

# ***BID AWARD ANNOUNCEMENT***

**17-01-0617**

**Effective Dates:**

June 30, 2016 to June 29, 2017

Refuse Truck Chassis



Coordinated by

The North Carolina Sheriffs' Association

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## EFFECTIVE DATES AND ORDERING INSTRUCTIONS

We are pleased to announce that the North Carolina Sheriffs' Association has successfully conducted its first statewide competitive bid for refuse trucks bodies and chassis. **This contract is effective beginning June 30, 2016 through June 29, 2017.**

Bids will be extended and guaranteed to any and all local governments and political subdivisions including, but not limited to, county, local county boards of public instruction, municipalities and/or police agencies, other public safety agencies or authorities within the State of North Carolina.

In order to ensure quality service for our user agencies, we are requesting each of you to notify the North Carolina Sheriffs' Association regarding any problems encountered in working with the awarded dealers. Any issues, including but not limited to, receipt of confirmation of order, delivery problems and communication problems, should be reported to us by e-mail at [jbennett@ncsheriffs.net](mailto:jbennett@ncsheriffs.net). This information will be considered in future bid awards in order to ensure that agencies are receiving the level of service required of dealers who wish to participate in this program.

**All interested parties who wish to purchase from this contract may do so by following these simple procedures:**

### ORDERING INSTRUCTIONS

1. Contact the awarded dealership from which you wish to purchase and advise them of your interest to purchase from **NCSA Bid No. 17-01-0617**. They will assist you with the placement of your order and answer any questions you may have regarding the vehicles purchased through this program. **Through participation in the NCSA Refuse Truck Procurement Program, you can only purchase from a dealer who is listed as a winner for the vehicle you wish to purchase.**
2. **It is important to send a copy of your original refuse truck body or chassis purchase order (including NCSA's Contract No. 17-01-0617) to:**

North Carolina Sheriffs' Association  
Post Office Box 20049  
Raleigh, North Carolina 27619-0049  
ATTN: Kaylyn Mitman, Cooperative Bid Coordinator

Or to - [kmitman@ncsheriffs.net](mailto:kmitman@ncsheriffs.net)

3. Your agency is responsible for obtaining a "Confirmation of Order" from the respective dealership. Dealers are required to complete a "Confirmation of Order" and send it to the

purchaser within fourteen (14) calendar days after receipt of purchase order. Purchasers are encouraged to contact the dealer if a "Confirmation of Order" has not been received within a reasonable time. Purchasers are reminded that the issuance of a purchase order does not in itself guarantee the placement of an order.

4. Agencies which elect to purchase from this contract will incur the following administrative fee: Dealers have included a three-quarter of one percent (.0075) administrative fee in the base price and all add options that are listed. The three quarters of one percent (.0075) will also be included in any additional equipment (add options) the dealers quote to the governmental agencies.

## AWARDED DEALERS

### **Amick Equipment Co., Inc.**

2040 S. Third Street Ext  
Mebane, NC 27302

Contact: Cameron Low  
David Urmston

Phone:

Mobile: 704-380-5563

Fax: 704-360-2242

E-mail: [cameron.low@amickequipment.com](mailto:cameron.low@amickequipment.com)  
[david@amickequipment.com](mailto:david@amickequipment.com)

### **Carolina Environmental Systems**

306 Pineview Drive  
Kernersville, NC 27284

Contact: Maxwell Taylor  
Matt Keeble

Phone: 336-869-9900

Mobile: 336-650-2124

Fax: 336-904-0952

E-mail: [gman@aol.com](mailto:gman@aol.com)  
[mattkeeble@bellsouth.net](mailto:mattkeeble@bellsouth.net)

### **Carolina Freightliner of Raleigh**

3500 Yonkers Road  
Raleigh, NC 27604

Contact: Maury Rice

Phone: 919-231-2900 ext. 1225

Mobile: 919-219-5163

Fax:

E-mail: [maury@carolinafreightliner.com](mailto:maury@carolinafreightliner.com)

### **Excel Truck Center**

4633 Equipment Drive  
Charlotte, NC 28269

Contact: Tony Lyerly

Phone: 704-597-1110

Mobile: 704-506-4015

Fax: 704-597-7846

E-mail: [tlyerly@carolinatruckcenter.com](mailto:tlyerly@carolinatruckcenter.com)

### **GSP Marketing**

322 Lavansville Road  
Somerset, PA 15501

Contact: Dave Cote

Phone: 814-445-5866

Mobile: 704-608-8126

Fax: 814-443-4966

E-mail: [dave@g-sproducts.com](mailto:dave@g-sproducts.com)

### **Peterbilt of Charlotte**

3502 Jeff Adams Drive  
Charlotte, NC 28206

Contact: Jim Riddle

Phone: 704-599-2311

Mobile: 704-619-0465

Fax:

E-mail: [jhriddle@tlgtrucks.com](mailto:jhriddle@tlgtrucks.com)

**Peterbilt of Knoxville**

1300 Buckner Road  
Columbia, SC 29203

Contact: Steve Wiser  
Phone: 803-832-7700  
Mobile: 803-446-3443  
Fax: 803-832-7711  
E-mail: [swiser@thepetestore.com](mailto:swiser@thepetestore.com)

**Southern Truck Service Inc.**

PO Box 36483  
Charlotte, NC 28246

Contact: Jim Easley  
Phone: 800-542-6798  
Mobile: 704-576-1716  
Fax:  
E-mail: [stsgcc@yahoo.com](mailto:stsgcc@yahoo.com)

**White/Herring Tractor and Truck, LLC**

7045 Albert Pick Rd., PO Box 18605  
Greensboro, NC 27409

Contact: Rick Beavan, Jr.  
Phone: 800-632-1050 ext. 121  
Mobile: 336-337-7307  
Fax: 336-668-9536  
E-mail: [bb@whitetractor.com](mailto:bb@whitetractor.com)

**Piedmont Peterbilt LLC**

7061 Albert Pick Rd., PO Box 18603  
Greensboro, NC 27419

Contact: Howie Dingess  
Phone: 336-668-3050  
Mobile: 336-669-4408  
Fax: 336-665-0221  
E-mail: [hdingess@piedmontpeterbilt.com](mailto:hdingess@piedmontpeterbilt.com)

**Transource, Inc.**

8808 Midway West Road  
Raleigh, NC 27617

Contact: Matt Walsh  
Rob Shaw  
Bill Prater  
Tom Stauffer  
Dan Bland  
Phone: 919-782-8785  
Mobile:  
Fax:  
E-mail: [NCSAContract@tsource.com](mailto:NCSAContract@tsource.com)

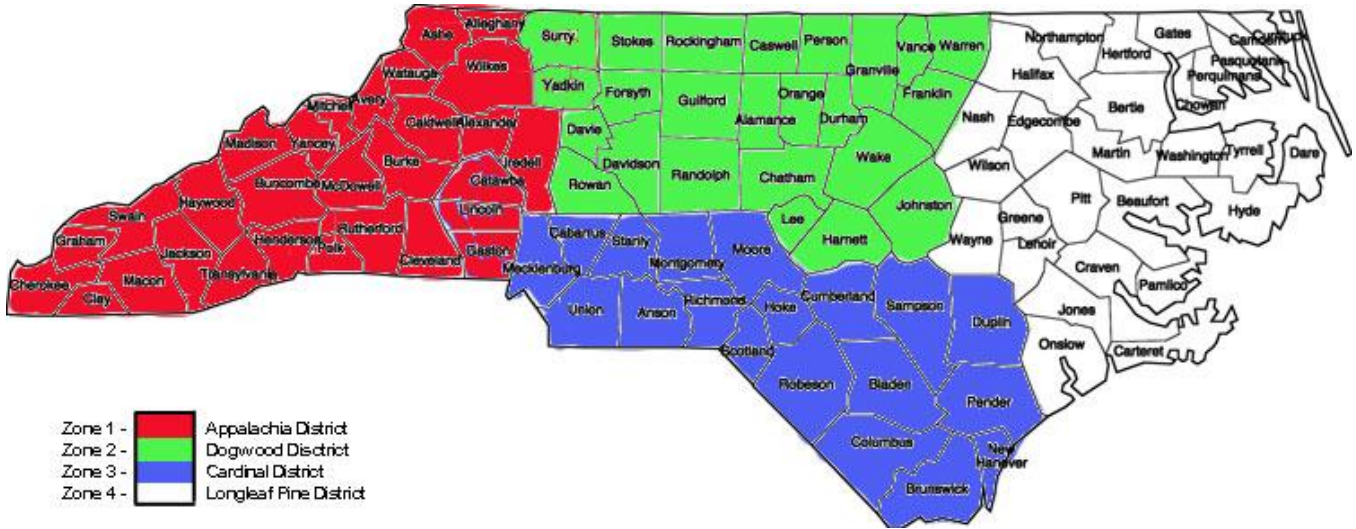
**Young's Truck Center**

3880 Jeff Adams Drive, PO Box 560007  
Charlotte, NC 28206

Contact: Bruce Stadler  
Phone: 704-597-0551  
Mobile: 704-224-1401  
Fax: 704-597-0043  
E-mail: [bstadler@advtrks.com](mailto:bstadler@advtrks.com)



# ZONE MAP





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>AUTOCAR - ACX 64 (Specification #03)</u></a>			
Young's Truck Center	2017 Autocar ACX 64	★Appalachia	\$130,203.20
Young's Truck Center	2017 Autocar ACX 64	★Dogwood	\$130,203.20
Young's Truck Center	2017 Autocar ACX 64	★Cardinal	\$130,203.20
Young's Truck Center	2017 Autocar ACX 64	★Longleaf Pine	\$130,203.20



# NORTH CAROLINA SHERIFFS' ASSOCIATION

## AUTOCAR - ACX 64 SPECIFICATION #3

2017 Autocar ACX 64

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. MODELS

- a. SINGLE LEFT HAND DRIVE CAB
- b. UNITED STATES STD MARKET ADAPTATION

2. BODY COMPANY

- a. MUST SPECIFY BODY COMPANY

3. BODY CAPACITY

- a. MUST SPECIFY BODY CAPACITY

4. PUSHER AXLE GAWR

- a. NO PUSHER AXLE

5. GVWR

- a. 66000 LBS

6. ENGINE

- a. ENGINE ASSY - ISL9 '13 345HP / 2100RPM / 1150 LB-FT, CUMMINS
- b. SPECIAL EMISSION CERTIFICATION LABELS - 50 STATE - CALIFORNIA CLEAN IDLE CERTIFIED (DIESEL)
- c. FUEL TYPE - ULTRA-LOW SULPHUR DIESEL FUEL REQUIRED
- d. ENGINE EQUIP - PTO-ENGINE FRONT - NO FRONT PTO PROVIDED
- e. ENGINE CONTROL SPECIFICATIONS - DEFAULT SPECS
- f. NO ENGINE BRAKE PROVIDED
- g. ENGINE PROTECT SYSTEM/WARNINGS - AUDIBLE/VISUAL ALARM/LOP, HT, LWL
- h. FILTER-FUEL, CHASSIS MOUNTED - FLEETGUARD FS 1003 F/W SEPARATOR W/PROBE & DASH LIGHT
- i. FILTER-FUEL, ENGINE MOUNTED - SECONDARY SPIN-ON FILTER, REMOTE MTD.
- j. ENGINE OIL SAMPLING PROVISION - NO OIL SAMPLE PORT PROVIDED
- k. ADDITIONAL OIL FILTER - NO OIL PURIFICATION SYSTEM PROVIDED
- l. NO ENGINE BLOCK HEATER PROVIDED
- m. RADIATOR - 1300 SQ. IN., 2-ROW HIGH CAPACITY ALUMINUM
- n. FAN & DRIVE-ENGINE - 2-SPEED FAN
- o. RADIATOR COOLANT - EXTENDED LIFE COOLANT
- p. RADIATOR SURGE TANK - SURGE TANK WITH REMOTE FILL
- q. ENGINE/EXHAUST COVER - ALUM TURBO/EXHAUST PIPE DEBRIS SHIELD

7. AIR CLEANER

- a. 15" ONE STAGE EPG CLEANER DONALDSON

- b. AIR INTAKE RAIN CAP - BLACK, HOOD TYPE
- c. AIR INTAKE PRECLEANER - NO AIR PRECLEANER PROVIDED

8. MUFFLER SYSTEM

- a. HORZ DPF W/ RH VERTICAL SCR
- b. EXHAUST SHIELDS - DPF & SCR SHIELDS
- c. EXHAUST STACKS - VERTICAL DIFFUSER, SINGLE STAINLESS STEEL
- d. EXHAUST RAIN CAP - NO EXHAUST RAIN CAP PROVIDED

9. UREA DELIVERY SYSTEM

- a. LH FRAME MOUNTED, 10 GAL. CAPACITY

10. AIR COMPRESSOR

- a. CUMMINS WABCO 18.7 CFM COMPRESSOR

11. STARTING MOTOR

- a. DELCO REMY 12V 39 MT W/OCP

12. ALTERNATOR

- a. DELCO REMY 36SI 12V 160 AMP

13. VEHICLE GOVERNED SPEED LIMIT

- a. SPEED LIMIT 65MPH
- b. ENGINE IDLE SHUT DOWN ENABLED ( 5 MINUTES )
- c. CRUISE CONTROL ENABLED

14. PTO REGEN INHIBIT THRESHOLD

- a. PTO REGEN INHIBIT THRESHOLD = 0 MPH
- b. RPM PTO MODE - 1200 RPM MAX IN PTO
- c. PTO SET SWITCH = 1200 RPM
- d. PTO RESUME SWITCH = 1000 RPM
- e. PTO RAMP RATE INCREMENT = 500 RPM
- f. IGNORE VSS IN PTO MODE = DISABLED

15. FILTER/CONDITIONER-COOLANT

- a. NO WATER FILTER/CONDITIONER PROVIDED

16. TRANSMISSION

- a. VOCATION - RDS REFUSE - VOC 400-XXX
- b. CONTROL MODULE (ELECT) - REFUSE W/ AUTO-NEUTRAL, VP142
- c. NO TRANSMISSION RETARDER
- d. TRANSMISSION SHIFT SCHEDULE - PRIMARY PERFORMANCE / SECONDARY ECONOMY
- e. SHIFT INHIBIT DISABLED
- f. NO TRANSMISSION RETARDER AUDIBLE ALARM
- g. ALLISON 3000 SERIES, 5-SPEED
- h. ALLISON PUSHBUTTON CONTROLS
- i. OIL TO WATER TYPE
- j. OIL FILL TUBE / DIPSTICK W/ LEVEL SENSOR
- k. TRANSYND SYNTHETIC AUTO TRANS FLUID
- l. DRIVESHAFT-MAIN - SPICER 1760HD HALF ROUND
- m. NO TRANSMISSION MOUNTED PTO PROVIDED

17. AXLE/SUSPENSION

- a. FRONT AXLE - MERITOR MFS-20 STEER AXLE, 20000# CAPACITY
- b. FRONT AXLE POSITION - 52.5 INCHES
- c. FRONT SUSPENSION - 9500 LOW CAMBER FLATLEAF 20,800 GROUND CAPACITY
- d. SUSPENSION, FRONT AUX - NO AUX LOAD CUSHION PROVIDED

- e. SHOCK ABSORBERS-FRONT - DOUBLE ACTING SINGLE - HEAVY DUTY
- f. BRAKES-FOUNDATION, FRONT AXLE - MERITOR 16.5X6 QP
- g. BRAKE SLACK ADJUSTERS-FRONT AXLE - MERITOR AUTOMATIC
- h. DUST SHIELDS - FRONT BRAKES
- i. BRAKE DRUM-FRONT - CAST IRON
- j. INTEGRAL POWER STEERING W/RIGHT HAND RAM
- k. POWER STEERING RESERVOIR - FOUR QUART REMOTE MOUNTED
- l. REAR DRIVE AXLE-SINGLE & TANDEM - MERITOR MT40-14X W/ .5" HOUSING (40000 LBS)
- m. REAR AXLE LUBE PUMP - NO LUBRICATION PUMP
- n. MUST CHOOSE REAR DRIVE AXLE RATIO
- o. REAR DRIVE AXLE ANTI-SPIN DEVICES - NO ANTI-SPIN DEVICES PROVIDED
- p. REAR SUSPENSION - HENDRICKSON HMX-400 SUSP @ 54" AS
- q. REAR SUSPENSION BEAMS - 54 INCH STEEL RUBBER BUSHED
- r. NO REAR SUSPENSION AIR CONTROLS PROVIDED
- s. TORQUE RODS - LONGITUDINAL & TRANSVERSE - RUBBER BUSHED
- t. NO SHOCK ABSORBERS REAR SUSP. PROVIDED
- u. REAR AXLE LUBRICANT - STANDARD
- v. BRAKES-FOUNDATION, REAR AXLE - MERITOR 16.5X7 Q PLUS
- w. BRAKE SLACK ADJUSTERS-REAR AXLE - MERITOR AUTOMATIC, TANDEM AXLE
- x. DUST SHIELDS - REAR BRAKES
- y. BRAKE CHAMBERS-PARKING, TYPE/VENDOR - CAM TYPE MGM STOPGARD (4)
- a`. BRAKE DRUM-REAR - CAST IRON
- aa. PUSHER AXLE #1 - NO PUSHER AXLE PROVIDED
- ab. PUSHER AXLE #1 SPACING - NO PUSHER AXLE #1 SPREAD
- ac. NO PUSHER AXLE STEER LOCKS PROVIDED
- ad. NO PUSHER AXLE HUBS PROVIDED
- ae. NO PUSHER OIL SEALS PROVIDED
- af. NO PUSHER AXLE HUB CAPS
- ag. NO PUSHER AXLE BRAKES PROVIDED
- ah. NO PUSHER SLACK ADJUSTER PROVIDED
- ai. NO PUSHER DUSTSHIELDS PROVIDED
- aj. TAG AXLE #1 - NO TAG AXLE PROVIDED
- ak. TAG AXLE STEER LOCKS - NO TAG AXLE STEER PROVIDED
- al. TAG AXLE #1 SPACING - NO TAG AXLE SPREAD
- am. NO TAG AXLE HUBS PROVIDED
- an. NO TAG OIL SEALS PROVIDED
- ao. NO TAG AXLE HUB CAPS
- ap. NO TAG AXLE BRAKES PROVIDED
- aq. XXXX NO TAG SLACK ADJUSTER PROVIDED
- ar. XXXX NO TAG DUSTSHIELDS PROVIDED

18. BRAKES

- a. AIR LINES-PARKING BRAKE, CHASSIS - AIR LINES CHASSIS PARK BRAKE
- b. BRAKE CONTROL SYSTEM - BENDIX ABS 4S/4M
- c. BRAKE VALVE-HAND CONTROL - NO HAND CONTROL VALVE PROVIDED

19. CHASSIS

- a. WHEELBASE - 210 INCHES

20. FRAME-REAR OVERHANG

- a. 104"

21. FRAME RAILS

- a. 3/8" VARIABLE DROP STEEL, EXT B
- b. FRAME REINFORCEMENT INNER - NO INNER FRAME REINFORCEMENT PROVIDED

22. FRAME CROSSMEMBER-CENTER

- a. ALUMINUM
- b. NO MISC TSO OPTIONS PROVIDED

- c. FRAME CROSSMEMBER-END CLOSING - ALUMINUM MEMBER-IF REQUIRED
- d. FRAME BOLTS - HUCKSPIN RR SUSP & CROSSMEMBERS

23. BUMPER-FRONT

- a. STEEL PAINTED

24. GUARD-OIL PAN

- a. NO OIL PAN GUARD PROVIDED

25. TOWING DEVICE-FRONT

- a. TWO REMOVABLE TOW PINS

26. BACKUP ALARM

- a. NO BACKUP ALARM PROVIDED

27. FUEL TANK

- a. FUEL TANK-LEFT - 75 GAL 26" DIA UNPAINTED ALUMINUM
- b. FUEL TANK FILL LHS - STANDARD
- c. LH FUEL TANK SPACERS - LH FUEL TANK STANDARD HEIGHT
- d. FUEL TANK STRAP/ SUPPORT LEFT - PAINTED STEEL, LH
- e. DRILLING FUEL TK SUPT-LEFT - FUEL TANK MTD FWD LHS - STANDARD (IF PROVIDED)
- f. FUEL TANK-RIGHT - DELETE RHS FUEL TANK
- g. FUEL TANK FILL RHS - STANDARD
- h. FUEL TANK STRAP/ SUPPORT RIGHT - NO RH FUEL TANK SUPPORTS PROVIDED
- i. DRILLING FUEL TK SUPT-RIGHT - NO RH FUEL TANK PROVIDED
- j. NO FUEL TANK SCREEN PROVIDED
- k. FUEL LINES - SAE J844 NYLON TUBING
- l. ALTERNATE FUEL SYSTEMS - NO METHANE DETECTION SYSTEM PROVIDED
- m. NO BOC ALTERNATE FUEL STORAGE

28. BATTERY

- a. BATTERY BOX - STEEL BOX, 3 BATTERY, LHS
- b. BATTERY BOX SPACERS - BATTERY BOX STANDARD HEIGHT
- c. BATTERY BOX DRILLING - BOX LOCATED AS FAR FORWARD AS POSSIBLE
- d. BATTERY - 3 JOHNSON CONTROL 31ECL 12V 2250CCA
- e. BATTERY SHUT-OFF SWITCH - SHUTOFF W/ LOCKOUT, NO EMERGENCY JUMPER STUDS

29. AIR TANK

- a. AIR TANK-BRAKE - STEEL AIR TANKS
- b. AIR TANK DRILLING - AIR TANKS IN STANDARD POSITION
- c. WET TANK DRAIN - BENDIX D/V-2 AUTOMATIC
- d. AIR RESERVOIR DRAIN SYSTEM - PETCOCK, ALL TANKS
- e. NO EMERGENCY CHARGING SYSTEM

30. AIR DRYER

- a. WABCO 1800P
- b. AIR DRYER DRILLING - AIR DRYER MOUNTED OUTSIDE RAIL, LHS
- c. AIR LINES-CAB - SAE J844 NYLON TUBING
- d. AIR LINES-MAIN, CHASSIS - SAE J844 NYLON TUBING

31. CAB EXTERIOR

- a. STEP-CAB ACCESS, CAB MOUNTED - DUAL SELF CLEANING CAB ENTRANCE STEPS
- b. CAB DOORS - STEEL
- c. DOOR CHECK STRAPS - WITHOUT DOOR CHECK STRAP
- d. POWER WINDOWS - NO ELECTRIC WINDOWS PROVIDED
- e. CAB GUARD FRONT - NO FRONT CAB GUARD PROVIDED
- f. SUN VISOR-EXTERIOR - NO EXTERIOR SUN VISOR PROVIDED
- g. MIRRORS-DUAL WEST COAST - MIRROR, BLACK, W / LWR CONVEX

- h. MIRROR ARMS - RETRACTABLE ARMS, STAINLESS STEEL
- i. MIRRORS-AUXILIARY - NO CONVEX AUX. MIRRORS PROVIDED
- j. DOWN VIEW MIRRORS - SINGLE DOWN VIEW MIRROR, RH SIDE
- k. GRAB HANDLES-ENTRY - BRUSHED SS GRAB HANDLES
- l. HORN-AIR - TWIN MOUNTED UNDER CAB
- m. HORN-ELECTRIC - SINGLE
- n. CAB TILT MECHANISM-C.O.E. - HYDRAULIC TILT
- o. GRILLE - AUTOCAR GRILLE
- p. BUG SCREEN MOUNTED BEHIND GRILLE
- q. NO UNDERCOATING/RUSTPROOFING PROVIDED

### 32. CAB INTERIOR

- a. STEERING WHEEL - 16" DIA. WHEEL, 2 SPOKE
- b. STEERING COLUMN - ADJUSTABLE TILT STEERING COLUMN
- c. SEAT-DRIVER - NATIONAL CUSH II LOW BACK, AIR RIDE
- d. SEAT-PASSENGER - FIXED TYPE, LOW BACK
- e. SEAT BELTS-DRIVER - THREE POINT RETRACTABLE
- f. SEAT BELTS-PASSENGER - THREE POINT RETRACTABLE
- g. SEAT INSERT - BLACK CORDURA
- h. CARPET & MAT - MAT WITH FOAM BACK
- i. AUTOTUFF INTERIOR UPHOLSTERY
- j. CENTER CONSOLE
- k. REAR CONSOLE
- l. ASHTRAY MTD IN CONSOLE

### 33. CAMERAS

- a. NO CAMERAS OR PREP PROVIDED
- b. CAMERA DISPLAY MONITOR - NO MONITOR PROVIDED
- c. ADDITIONAL ELEC. SWITCHES - NO ADDITIONAL ELEC. SWITCHES
- d. DRIVER MONITORING SYSTEM - NO DRIVER CAM WIRING PREP OVERHEAD CONSOLE

### 34. CAB CLIMATE CONTROL

- a. CAB TEMPERATURE SYSTEM - AIR COND INTEGRAL WITH HEATER/DEFROSTER
- b. NO ADDITIONAL DEFROSTER FAN PROVIDED
- c. NO AIR CONDITIONER CONDENSER PROVIDED

### 35. GAUGES & INSTRUMENTATION

- a. INSTRUMENTS SALES PKG - STANDARD GAUGES (VOLTAGE AND OIL PRESSURE INCLUDED IN VEHICLE DISPLAY)
- b. TRUCK ELECTRICAL CONTROL MODULE - VEHICLE CONTROL UNIT
- c. TACHOMETER/RPM TACHOGRAPH - ELECTRONIC TACHOMETER
- d. HOURMETER INCLUDED IN ON BOARD DISPLAY
- e. NO ENGINE OIL TEMP. GAUGE PROVIDED
- f. AIR INTAKE RESTRICTION INDICATOR - GRADUATED, AIR CLEANER MOUNTED
- g. MONITORING - TRANSMISSION OIL TEMP - TRANSMISSION TEMP. GAUGE INCLUDED IN VEHICLE DISPLAY
- h. NO TRANSMISSION PTO CONTROLS PROVIDED
- i. NO REAR AXLE TEMPERATURE GAUGE PROVIDED
- j. ELECTRONIC FUEL LEVEL
- k. NO ADDITIONAL AIR GAUGE PROVIDED

### 36. LIGHTING

- a. LED HEADLAMPS
- b. NO TAIL STOP LAMPS PROVIDED
- c. LED FRONT TURN SIGNALS
- d. SELF-CANCELING TURN SIGNALS
- e. AMBER LED ROOF MARKERS
- f. PARKING LIGHTS INTEGRAL W/ TURN SIG
- g. NO MARKER LAMP SWITCH PROVIDED

- h. LAMPS-RUNNING - DAYTIME
- i. NO BACK OF CAB LIGHTS PROVIDED
- j. NO DRIVING LIGHTS PROVIDED
- k. NO SPOTLIGHT PROVIDED
- l. NO EMERGENCY WARNING LAMPS PROVIDED
- m. AUTO CIRCUIT BREAKERS

37. RADIO/MISC

- a. KEY & LOCK SETS-IGN/DOORS - DOOR & IGNITION SAME - UNIQUE PER TRUCK
- b. NO VISIBILITY WINDOW PROVIDED
- c. NO RADIO PROVIDED
- d. NO ANTENNA PROVIDED
- e. NO RADIO SPEAKERS PROVIDED
- f. 2 WAY RADIO - NO CB MOUNTING PROVIDED
- g. WIRING-CAB - RADIO SHUT-OFF IN REVERSE
- h. NO FIRE EXTINGUISHER PROVIDED

38. TIRES / WHEELS

- a. WHEELS-DISC FRONT - 22.5x9.0" STEEL HP, 5.25" INSET, 5HH
- b. NO SPARE FRONT WHEELS
- c. NO WHEEL BRIGHTWORK FRONT AXLE PROVIDED
- d. TIRE SIZE & LOAD RANGE - FRONT - 315/80R22.5L
- e. TIRE MANUFACTURER & TREAD - FRONT - GOODYEAR G289 WHA (RATED TO 10K)
- f. NO SPARE FRONT TIRES
- g. WHEELS-DISC REAR - 22.5X8.25" STEEL HP, 5HH
- h. NO SPARE REAR WHEELS
- i. NO WHEEL BRIGHTWORK REAR AXLE PROVIDED
- j. TIRE SIZE & LOAD RANGE - REAR - 11R22.5H

39. TIRE MANUFACTURER & TREAD - REAR

- a. GOODYEAR G182 RSD
- b. NO SPARE REAR TIRES

40. AUXILIARY AXLE TIRES

- a. NO PUSHER AXLE WHEELS PROVIDED
- b. NO POLISHING/BRIGHTWORK PROVIDED, PUSHER
- c. PUSHER AXLE TIRE SIZE - NO TIRE SIZE, PUSHER
- d. NO TREAD PUSHER PROVIDED
- e. NO TAG AXLE WHEELS PROVIDED XXXX
- f. XXXX NO POLISHING/BRIGHTWORK PROVIDED, TAG
- g. NO TIRE SIZE, TAG XXXX
- h. NO TREAD TAG PROVIDED XXXX

41. PAINT

- a. CAB PAINT SCHEME - SINGLE COLOR PAINT
- b. CAB PAINT TYPE - STANDARD WHITE
- c. CAB COLOR-FIRST - APPROVED == DPSS-N0007EX == STANDARD WHITE N0007
- d. NO SECOND CAB COLOR PROVIDED
- e. NO THIRD CAB COLOR PROVIDED
- f. NO FOURTH CAB COLOR PROVIDED
- g. CHASSIS COLOR - BLACK P3036
- h. BUMPER COLOR - SAME AS CHASSIS, UNPAINTED ALUM OR CHROME
- i. DISC WHEEL OR RIM COLOR - STEEL, E-COAT WHITE / ALUM-UNPAINTED

42. WARRANTY

- a. CHASSIS WARRANTY - STANDARD WARRANTY
- b. TRANSMISSION WARRANTY - ALLISON EDGE 4YR. WARRANTY
- c. ENGINE WARRANTY - CUMMINS STANDARD WARRANTY
- d. NO FUEL INJECTOR EXTENDED WARRANTY



e. NO AFTERTREATMENT EXT WARRANTY

43. ADDITIONAL

a. NO CNG FUEL CONTROL MODULE



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **AUTOCAR - ACX 64 SPECIFICATION #3**

#### **2017 Autocar ACX 64**

The Autocar ACX 64 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

Order Code	Add Options	All Zones
5000002 <sup>1</sup>	SINGLE RIGHT HAND DRIVE CAB	\$600.00 <sup>1</sup>
5000003 <sup>1</sup>	DUAL DRIVE LH AND RH SIT	\$3,715.00 <sup>1</sup>
5000004 <sup>1</sup>	DUAL DRIVE LH SIT AND RH STAND	\$6,750.00 <sup>1</sup>
0 <sup>1</sup>	CALIFORNIA SPECIFIC U.S. VEHICLE ADAPTATION <i>Not Available</i> <sup>1</sup>	\$0.00 <sup>1</sup>
CO4001 <sup>1</sup>	HEIL	\$0.00 <sup>1</sup>
CO4003 <sup>1</sup>	McNEILUS	\$0.00 <sup>1</sup>
CO4004 <sup>1</sup>	AMREP	\$0.00 <sup>1</sup>
CO4006 <sup>1</sup>	LABRIE	\$0.00 <sup>1</sup>
CO4009 <sup>1</sup>	WAYNE	\$0.00 <sup>1</sup>
CO4002 <sup>1</sup>	NEW WAY	\$0.00 <sup>1</sup>
CO46484 <sup>1</sup>	IRVING EQUIPMENT	\$0.00 <sup>1</sup>
CO1003 <sup>1</sup>	REFUSE - LANDFILL	\$0.00 <sup>1</sup>
CO1004 <sup>1</sup>	REFUSE - TRANSFER STATION	\$0.00 <sup>1</sup>
C010013 <sup>1</sup>	REFUSE - E3 HYBRID	\$0.00 <sup>1</sup>
C02004 <sup>1</sup>	AUTOMATED SIDE LOADER	\$0.00 <sup>1</sup>
C02001 <sup>1</sup>	COMMERCIAL FRONT END LOADER	\$0.00 <sup>1</sup>
C02002 <sup>1</sup>	RESIDENTIAL FRONT END LOADER	\$0.00 <sup>1</sup>
C02003 <sup>1</sup>	REAR END LOADER	\$0.00 <sup>1</sup>
C02008 <sup>1</sup>	AUTOMATED/MANUAL SIDE LOADER	\$0.00 <sup>1</sup>
C02005 <sup>1</sup>	MANUAL SIDE LOADER	\$0.00 <sup>1</sup>
C02006 <sup>1</sup>	ROLLOFF	\$0.00 <sup>1</sup>
C02007 <sup>1</sup>	RECYCLER	\$0.00 <sup>1</sup>
114010 <sup>1</sup>	EAST COAST	\$0.00 <sup>1</sup>
C05016 <sup>1</sup>	16 YARD	\$0.00 <sup>1</sup>
C05017 <sup>1</sup>	17 YARD	\$0.00 <sup>1</sup>
C05018 <sup>1</sup>	18 YARD	\$0.00 <sup>1</sup>
C05019 <sup>1</sup>	19 YARD	\$0.00 <sup>1</sup>
C05020 <sup>1</sup>	20 YARD	\$0.00 <sup>1</sup>
C05021 <sup>1</sup>	21 YARD	\$0.00 <sup>1</sup>
C05022 <sup>1</sup>	22 YARD	\$0.00 <sup>1</sup>
C05023 <sup>1</sup>	23 YARD	\$0.00 <sup>1</sup>
C05024 <sup>1</sup>	24 YARD	\$0.00 <sup>1</sup>
C05025 <sup>1</sup>	25 YARD	\$0.00 <sup>1</sup>

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<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

C05026 <sup>1</sup>	26 YARD	\$0.00 <sup>1</sup>
C05027 <sup>1</sup>	27 YARD	\$0.00 <sup>1</sup>
C05028 <sup>1</sup>	28 YARD	\$0.00 <sup>1</sup>
C05029 <sup>1</sup>	29 YARD	\$0.00 <sup>1</sup>
C05030 <sup>1</sup>	30 YARD	\$0.00 <sup>1</sup>
C05031 <sup>1</sup>	31 YARD	\$0.00 <sup>1</sup>
C05032 <sup>1</sup>	32 YARD	\$0.00 <sup>1</sup>
C05033 <sup>1</sup>	33 YARD	\$0.00 <sup>1</sup>
C05034 <sup>1</sup>	34 YARD	\$0.00 <sup>1</sup>
C05035 <sup>1</sup>	35 YARD	\$0.00 <sup>1</sup>
C05036 <sup>1</sup>	36 YARD	\$0.00 <sup>1</sup>
C05037 <sup>1</sup>	37 YARD	\$0.00 <sup>1</sup>
C05038 <sup>1</sup>	38 YARD	\$0.00 <sup>1</sup>
C05039 <sup>1</sup>	39 YARD	\$0.00 <sup>1</sup>
C05040 <sup>1</sup>	40 YARD	\$0.00 <sup>1</sup>
C070001 <sup>1</sup>	DIESEL	\$0.00 <sup>1</sup>
C070002 <sup>1</sup>	GAS/CNG/BODY MOUNTED TANKS	\$0.00 <sup>1</sup>
C070003 <sup>1</sup>	GAS/CNG/BODY MOUNTED TANKS AND RAIL MOUNTED TANK	\$0.00 <sup>1</sup>
C080001 <sup>1</sup>	STD/BEAM TYPE REAR SUSPENSION	\$0.00 <sup>1</sup>
C080002 <sup>1</sup>	AIR RIDE REAR SUSPENSION	\$0.00 <sup>1</sup>
C090003 <sup>1</sup>	3 AXLE	\$0.00 <sup>1</sup>
C090004 <sup>1</sup>	4 AXLE	\$0.00 <sup>1</sup>
C090005 <sup>1</sup>	5 AXLE	\$0.00 <sup>1</sup>
D010200 <sup>1</sup>	FRONT GAWR - 20000 LBS	\$0.00 <sup>1</sup>
D010188 <sup>1</sup>	FRONT GAWR - 18800 LBS	\$0.00 <sup>1</sup>
D01080 <sup>1</sup>	FRONT GAWR - 18000 LBS	\$0.00 <sup>1</sup>
D010165 <sup>1</sup>	FRONT GAWR - 16500 LBS	\$0.00 <sup>1</sup>
D010160 <sup>1</sup>	FRONT GAWR - 16000 LBS	\$0.00 <sup>1</sup>
D010132 <sup>1</sup>	FRONT GAWR - 13200 LBS	\$0.00 <sup>1</sup>
D010187 <sup>1</sup>	FRONT GAWR - 18700 LBS (TIRE LIMITED)	\$0.00 <sup>1</sup>
D010181 <sup>1</sup>	FRONT GAWR - 18100 LBS (TIRE LIMITED)	\$0.00 <sup>1</sup>
D010147 <sup>1</sup>	FRONT GAWR - 14700 LBS (TIRE LIMITED)	\$0.00 <sup>1</sup>
D020400 <sup>1</sup>	REAR GAWR - 40000 LBS	\$0.00 <sup>1</sup>
D020440 <sup>1</sup>	REAR GAWR - 44000 LBS	\$0.00 <sup>1</sup>
D020449 <sup>1</sup>	REAR GAWR - 44900 LBS (WHEEL/TIRE COMBO LIMITED)	\$0.00 <sup>1</sup>
D020460 <sup>1</sup>	REAR GAWR - 46000 LBS	\$0.00 <sup>1</sup>
D020520 <sup>1</sup>	REAR GAWR - 52000 LBS	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
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<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

D030110 <sup>1</sup>	TAG AXLE GAWR - 11000 LBS (TIRE LIMITED)	\$0.00 <sup>1</sup>
D030132 <sup>1</sup>	TAG AXLE GAWR - 13200 LBS	\$0.00 <sup>1</sup>
D030135 <sup>1</sup>	TAG AXLE GAWR - 13500 LBS	\$0.00 <sup>1</sup>
D030200 <sup>1</sup>	TAG AXLE GAWR - 20000 LBS	\$0.00 <sup>1</sup>
D030300 <sup>1</sup>	TAG AXLE GAWR - OTHER - CUSTOMER SUPPLIED TAG	\$0.00 <sup>1</sup>
D040110 <sup>1</sup>	PUSHER AXLE GAWR - 11000 LBS (TIRE LIMITED)	\$0.00 <sup>1</sup>
D040135 <sup>1</sup>	PUSHER AXLE GAWR - 13500 LBS	\$0.00 <sup>1</sup>
D040200 <sup>1</sup>	PUSHER AXLE GAWR - 20000 LBS	\$0.00 <sup>1</sup>
D040000 <sup>1</sup>	PUSHER AXLE GAWR - OTHER - CUSTOMER SUPPLIED PUSHER	\$0.00 <sup>1</sup>
D100560 <sup>1</sup>	56000 LBS	\$0.00 <sup>1</sup>
D100580 <sup>1</sup>	58000 LBS	\$0.00 <sup>1</sup>
D100600 <sup>1</sup>	60000 LBS	\$0.00 <sup>1</sup>
D100620 <sup>1</sup>	62000 LBS	\$0.00 <sup>1</sup>
D100640 <sup>1</sup>	64000 LBS	\$0.00 <sup>1</sup>
D100649 <sup>1</sup>	64900 LBS	\$0.00 <sup>1</sup>
D100668 <sup>1</sup>	66800 LBS	\$0.00 <sup>1</sup>
D100710 <sup>1</sup>	71000 LBS	\$0.00 <sup>1</sup>
D100720 <sup>1</sup>	72000 LBS	\$0.00 <sup>1</sup>
D100768 <sup>1</sup>	76800 LBS	\$0.00 <sup>1</sup>
D100770 <sup>1</sup>	77000 LBS	\$0.00 <sup>1</sup>
D100790 <sup>1</sup>	79000 LBS	\$0.00 <sup>1</sup>
D100795 <sup>1</sup>	79500 LBS	\$0.00 <sup>1</sup>
D100000 <sup>1</sup>	OTHER - SPECIFY GVWR	\$0.00 <sup>1</sup>
D100800 <sup>1</sup>	80000 LBS	\$0.00 <sup>1</sup>
1010067 <sup>1</sup>	ENGINE ASSY - ISL9 '13 300HP / 2200RPM / 860 LB-FT, CUMMINS	(\$1,768.00) <sup>1</sup>
1010068 <sup>1</sup>	ENGINE ASSY - ISL9 '13 330HP / 2200RPM / 1000 LB-FT, CUMMINS	(\$928.00) <sup>1</sup>
1010064 <sup>1</sup>	ENGINE ASSY - ISL9 '13, 370HP / 2100RPM / 1250 LB-FT, CUMMINS	\$2,552.00 <sup>1</sup>
1010032 <sup>1</sup>	ENGINE ASSY - ISL-G, 300HP @ 2200/860 LB-FT, CUMMINS-WESTPORT	\$1,180.00 <sup>1</sup>
1010026 <sup>1</sup>	ENGINE ASSY - ISL-G, 320 HP @ 2200/1000 LB-FT, CUMMINS-WESTPORT	\$2,640.00 <sup>1</sup>
1010075 <sup>1</sup>	ENGINE ASSY - ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS	\$10,640.00 <sup>1</sup>
1010065 <sup>1</sup>	ENGINE ASSY - ISX12 '13, 385HP / 2100RPM / 1450 LB-FT, CUMMINS	\$11,800.00 <sup>1</sup>
1010078 <sup>1</sup>	ENGINE ASSY - ISX12 '13 425V / 2100RPM / 1650 LB-FT, CUMMINS	\$13,600.00 <sup>1</sup>
1010079 <sup>1</sup>	ENGINE ASSY - ISX12 '13 450V / 2100RPM / 1550 LB-FT, CUMMINS	\$15,920.00 <sup>1</sup>
1010060 <sup>1</sup>	ENGINE ASSY - ISX12-G, 350R / 2100RPM / 1350 FT-LBS , CUMMINS	\$16,560.00 <sup>1</sup>
1010076 <sup>1</sup>	ENGINE ASSY - ISL9 '13 370HP / 2100RPM / 1250 LB-FT, CUMMINS E3	\$3,520.00 <sup>1</sup>
1010085 <sup>1</sup>	ENGINE ASSY - ISX-G 330 HP / 1250 LB-FT / 2200RPM	\$15,800.00 <sup>1</sup>
4460002 <sup>1</sup>	FUEL TYPE - COMPRESSED NATURAL GAS	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

4460003 <sup>1</sup>	FUEL TYPE - LIQUIFIED NATURAL GAS	\$0.00 <sup>1</sup>
122002 <sup>1</sup>	ENGINE EQUIP - PTO-ENGINE FRONT - ADAPTER FOR SPICER 1350	\$472.00 <sup>1</sup>
128072 <sup>1</sup>	ELECTRONIC ENGINE NON-DEFAULT SPECS	\$54.00 <sup>1</sup>
1290004 <sup>1</sup>	ENGINE ELECTRONICS - CUMMINS 500K COMMUNICATION	\$0.00 <sup>1</sup>
1310006 <sup>1</sup>	CUMMINS VGT EXHAUST BRAKE	\$200.00 <sup>1</sup>
1310001 <sup>1</sup>	C BRAKE BY JACOBS 1 POSITION FOR ISL/ISC	\$1,664.00 <sup>1</sup>
1310002 <sup>1</sup>	C BRAKE BY JACOBS 2 POSITION FOR ISM/ISX	\$1,980.00 <sup>1</sup>
4380004 <sup>1</sup>	FILTER-FUEL, CHASSIS MOUNTED - FLEETGUARD FS 1003 F/W SEPARATOR W/HEATER, PROBE & DASH LIGHT	\$88.00 <sup>1</sup>
4380010 <sup>1</sup>	FILTER-FUEL, CHASSIS MOUNTED - RACOR 4120R10 FILTER W/ H2O PROBE & 12V ELEC HEAT	\$176.00 <sup>1</sup>
4380013 <sup>1</sup>	FILTER-FUEL, CHASSIS MOUNTED - DAVCO 382 FILTER W/ 12V HEAT & H2O PROBE	\$228.00 <sup>1</sup>
1700002 <sup>1</sup>	FILTER-FUEL, ENGINE MOUNTED - FLEETGUARD FS1000 FILTER - REMOTE MOUNTED	\$65.00 <sup>1</sup>
170025 <sup>1</sup>	FILTER-FUEL, ENGINE MOUNTED - CUMMINS SPIN-ON FILTER	\$0.00 <sup>1</sup>
1760001 <sup>1</sup>	ENGINE OIL SAMPLING PROVISION - ENGINE OIL SAMPLING PORT	\$68.00 <sup>1</sup>
1770001 <sup>1</sup>	OIL PURIFICATION SYSTEM	\$635.00 <sup>1</sup>
180024 <sup>1</sup>	ENGINE BLOCK HEATER - PHILLIPS 120V 1000 WATT	\$150.00 <sup>1</sup>
180021 <sup>1</sup>	ENGINE BLOCK HEATER - PHILLIPS 120V 1500W	\$150.00 <sup>1</sup>
1810003 <sup>1</sup>	HEATER RECEPTICAL LOCATION-ENGINE - RECEPTACLE LOCATED AT CAB STEPS, RH SIDE	\$0.00 <sup>1</sup>
1810004 <sup>1</sup>	HEATER RECEPTICAL LOCATION-ENGINE - RECEPTACLE LOCATED AT CAB STEPS, LH SIDE	\$15.00 <sup>1</sup>
2080004 <sup>1</sup>	FAN & DRIVE-ENGINE - 2 SPEED FAN WITH LINNIG CLUTCH	\$20.00 <sup>1</sup>
2120003 <sup>1</sup>	RADIATOR SURGE TANK - STANDARD SURGE TANK W/ SIGHT GLASS	\$0.00 <sup>1</sup>
2200002 <sup>1</sup>	15" ONE STAGE EPG CLEANER W/SAFETY ELEMENT DONALDSON	\$50.00 <sup>1</sup>
2200052 <sup>1</sup>	16" TWO STAGE	\$305.00 <sup>1</sup>
226002 <sup>1</sup>	AIR INTAKE RAIN CAP - CHROME PLATED HOOD TYPE	\$116.00 <sup>1</sup>
227001 <sup>1</sup>	AIR INTAKE PRECLEANER - DONALDSON	\$310.00 <sup>1</sup>
2300007 <sup>1</sup>	HORZ DPF W/ LH VERTICAL SCR	\$215.00 <sup>1</sup>
230022 <sup>1</sup>	SINGLE VERTICAL RH SIDE	\$0.00 <sup>1</sup>
230103 <sup>1</sup>	SINGLE VERTICAL LH SIDE	\$160.00 <sup>1</sup>
230024 <sup>1</sup>	SINGLE HORIZONTAL RH SIDE	\$468.00 <sup>1</sup>
2310005 <sup>1</sup>	EXHAUST SHIELDS - STAINLESS STEEL MUFFLER SHIELD-SINGLE W/EXHAUST BLANKET (FOR NATURAL GAS ENGINES)	\$1,200.00 <sup>1</sup>
2310001 <sup>1</sup>	EXHAUST SHIELDS - UNPAINTED ALUM HORIZ MUFF SHIELD-SINGLE	\$0.00 <sup>1</sup>
231001 <sup>1</sup>	EXHAUST SHIELDS - STAINLESS STEEL VERT MUFF SHIELD-SINGLE	\$0.00 <sup>1</sup>
2320006 <sup>1</sup>	EXHAUST STACKS - HORIZONTAL DIFFUSER, STAINLESS STEEL	\$0.00 <sup>1</sup>

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2390004	<sup>1</sup>	RH FRAME MOUNTED, 10 GAL. CAPACITY	\$0.00
2390002	<sup>1</sup>	OVER-FENDER MTD., LH SIDE, 10 GAL. CAPACITY	\$210.00
2390001	<sup>1</sup>	OVER-FENDER MTD., RH SIDE, 10 GAL. CAPACITY	\$125.00
2390005	<sup>1</sup>	OVER-FENDER MTD., RH SIDE, 5 GAL. CAPACITY	\$87.00
239998	<sup>1</sup>	NO DEF TANK PROVIDED	\$0.00
8200005	<sup>1</sup>	DELCO REMY 12V 44MT W / OCP	\$275.00
802114	<sup>1</sup>	DELCO REMY 12V 130AMP 22SI	(\$125.00)
802115	<sup>1</sup>	DELCO REMY 12V 145AMP 22SI	\$26.00
8020005	<sup>1</sup>	DELCO REMY 180 AMP, 28SI PAD MTD.	\$63.00
8020006	<sup>1</sup>	DELCO REMY 200 AMP, 28SI PAD MTD.	\$235.00
8020002	<sup>1</sup>	LEECE NEVILLE 12V 200 AMP 4900	\$368.00
P020002	<sup>1</sup>	ENGINE IDLE SHUT DOWN DISABLED	\$0.00
P020003	<sup>1</sup>	ENGINE SHUTDOWN ENABLED (3 MINUTES)	\$0.00
P020015	<sup>1</sup>	ENGINE IDLE SHUTDOWN ENABLED (15 MINUTES)	\$0.00
P030002	<sup>1</sup>	CRUISE CONTROL DISABLED	\$0.00
P641450	<sup>1</sup>	RPM PTO MODE - 1450 RPM MAX IN PTO	\$0.00
P641500	<sup>1</sup>	RPM PTO MODE - 1500 RPM MAX IN PTO	\$0.00
P641650	<sup>1</sup>	RPM PTO MODE - 1650 RPM MAX IN PTO	\$0.00
P700850	<sup>1</sup>	PTO SET SWITCH = 850 RPM	\$0.00
P700950	<sup>1</sup>	PTO SET SWITCH = 950 RPM	\$0.00
P701100	<sup>1</sup>	PTO SET SWITCH = 1100 RPM	\$0.00
P701500	<sup>1</sup>	PTO SET SWITCH = 1500 RPM	\$0.00
P710850	<sup>1</sup>	PTO RESUME SWITCH = 850 RPM	\$0.00
P710950	<sup>1</sup>	PTO RESUME SWITCH = 950 RPM	\$0.00
P711700	<sup>1</sup>	PTO RESUME SWITCH = 1700 RPM	\$0.00
P711500	<sup>1</sup>	PTO RESUME SWITCH = 1500 RPM	\$0.00
P711100	<sup>1</sup>	PTO RESUME SWITCH = 1100 RPM	\$0.00
P730120	<sup>1</sup>	PTO RAMP RATE INCREMENT = 120 RPM	\$0.00
P830001	<sup>1</sup>	IGNORE VSS IN PTO MODE = ENABLED	\$0.00
2072000	<sup>1</sup>	COOLANT FILTER	\$187.00
2580001	<sup>1</sup>	VOCATION - RDS ON/OFF HIGHWAY - VOC 120-XXX	\$0.00
2690017	<sup>1</sup>	CONTROL MODULE (ELECT) - REFUSE W/ AUTO-NEUTRAL, VP145	\$0.00
2690019	<sup>1</sup>	CONTROL MODULE (ELECT) - REFUSE W/ AUTO-NEUTRAL & SERVICE BRAKE, VP170	\$0.00
2690015	<sup>1</sup>	CONTROL MODULE (ELECT) - REFUSE W/ AUTO-NEUTRAL, VP183 - THIRD GEAR LIMIT RHS	\$0.00
2690011	<sup>1</sup>	CONTROL MODULE (ELECT) - REFUSE W/ AUTO-NEUTRAL & SERVICE BRAKE VP168 - THIRD GEAR LIMIT RHS	\$0.00

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

2690016 <sup>1</sup>	CONTROL MODULE (ELECT) - BASIC REFUSE, VP180	\$0.00 <sup>1</sup>
2690025 <sup>1</sup>	CONTROL MODULE (ELECT) - REFUSE W / AUTO NEUTRAL & SERVICE BRAKE VP168 - SECOND GEAR LIMIT RHS	\$0.00 <sup>1</sup>
2690020 <sup>1</sup>	CONTROL MODULE (ELECT) - ON / OFF HIGHWAY, VP223	\$0.00 <sup>1</sup>
2690002 <sup>1</sup>	PARKER RUNWISE PROGRAMMING	\$0.00 <sup>1</sup>
27A0001 <sup>1</sup>	ALLISON OUTPUT RETARDER RDS TRANSMISSION	\$8,675.00 <sup>1</sup>
26A0002 <sup>1</sup>	TRANSMISSION SHIFT SCHEDULE - LBSS - S1	\$0.00 <sup>1</sup>
PT10001 <sup>1</sup>	SHIFT INHIBIT ENABLED	\$0.00 <sup>1</sup>
27P0001 <sup>1</sup>	TRANSMISSION RETARDER AUDIBLE ALARM	\$0.00 <sup>1</sup>
2700022 <sup>1</sup>	ALLISON 3000 SERIES,6-SPEED	\$0.00 <sup>1</sup>
2700023 <sup>1</sup>	ALLISON 3500 SERIES,5-SPEED	\$291.00 <sup>1</sup>
27000024 <sup>1</sup>	ALLISON 3500 SERIES,6-SPEED	\$291.00 <sup>1</sup>
2700027 <sup>1</sup>	ALLISON 4500 SERIES,5-SPEED	\$13,065.00 <sup>1</sup>
2700028 <sup>1</sup>	ALLISON 4500 SERIES,6-SPEED	\$13,065.00 <sup>1</sup>
2900004 <sup>1</sup>	TRANS FLUID WITH DIPSTICK AND THREADED OIL SAMPLE PORT	\$75.00 <sup>1</sup>
300015 <sup>1</sup>	DRIVESHAFT-MAIN - SPICER 1710HD HALF ROUND	\$0.00 <sup>1</sup>
300013 <sup>1</sup>	DRIVESHAFT-MAIN - SPICER 1810HD HALF ROUND	\$107.00 <sup>1</sup>
3170007 <sup>1</sup>	CHELSEA 890 / 897 PTO CLEARANCE (PREP ONLY)	\$350.00 <sup>1</sup>
3170010 <sup>1</sup>	XS (TYPE C) OUTPUT CHELSEA 890 PTO HOT SHIFT 4000 SERIES TRANS 116%	\$4,250.00 <sup>1</sup>
3170011 <sup>1</sup>	XS (TYPE C) OUTPUT CHELSEA 890 PTO HOT SHIFT 3000 SERIES TRANS 100%	\$4,400.00 <sup>1</sup>
3170012 <sup>1</sup>	XS (TYPE C) OUTPUT CHELSEA 897 PTO CONSTANT MESH 4000 SERIES TRANS 116%	\$3,550.00 <sup>1</sup>
3170013 <sup>1</sup>	XS (TYPE C) OUTPUT CHELSEA 897 PTO CONSTANT MESH 3000 SERIES TRANS 100%	\$3,200.00 <sup>1</sup>
3700003 <sup>1</sup>	FRONT AXLE - MERITOR MFS-18 STEER AXLE, 18000# RATING	(\$100.00) <sup>1</sup>
3700004 <sup>1</sup>	FRONT AXLE - MERITOR MFS-16 STEER AXLE, 16000# RATING	(\$300.00) <sup>1</sup>
3700011 <sup>1</sup>	FRONT AXLE - DANA D-2200W STEER AXLE, 22,000 LB CAPACITY	\$100.00 <sup>1</sup>
3690003 <sup>1</sup>	FRONT AXLE POSITION - 53.5 INCHES	\$0.00 <sup>1</sup>
371025 <sup>1</sup>	FRONT SUSPENSION - 10100 LB FLATLEAF, 22,000 GROUND CAPACITY	\$0.00 <sup>1</sup>
3710003 <sup>1</sup>	FRONT SUSPENSION - 10200 LB TAPER LEAF REDUCED RIDE HEIGHT, 22000 LB GROUND CAPACITY	\$0.00 <sup>1</sup>
371009 <sup>1</sup>	FRONT SUSPENSION - 8500 LB FLATLEAF 18,800 GROUND CAPACITY	\$0.00 <sup>1</sup>
371008 <sup>1</sup>	FRONT SUSPENSION - 7500 LB FLATLEAF 16,500 GROUND CAPACITY	\$0.00 <sup>1</sup>
371007 <sup>1</sup>	FRONT SUSPENSION - 6500 LB FLATLEAF 14,500 GROUND CAPACITY	\$0.00 <sup>1</sup>
371T01 <sup>1</sup>	SUSPENSION, FRONT AUX - AUX LOAD CUSHION	\$310.00 <sup>1</sup>
7510001 <sup>1</sup>	BRAKES-FOUNDATION, FRONT AXLE - MERITOR 16.5X7" QP REFUSE BRAKE	\$50.00 <sup>1</sup>
7510004 <sup>1</sup>	BRAKES-FOUNDATION, FRONT AXLE - MERITOR 16.5X5 QP	(\$10.00) <sup>1</sup>
754012 <sup>1</sup>	BRAKE SLACK ADJUSTERS-FRONT AXLE - HALDEX AUTOMATIC	\$64.00 <sup>1</sup>
755998 <sup>1</sup>	NO FRONT BRAKE DUST SHIELDS PROVIDED	\$0.00 <sup>1</sup>



<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

383107 <sup>1</sup>	INTEGRAL POWER STEERING W/LEFT HAND RAM	\$0.00 <sup>1</sup>
3300044 <sup>1</sup>	REAR AXLE - REAR DRIVE AXLE-SINGLE & TANDEM - MERITOR MT44-14X (44000 LBS)	\$1,450.00 <sup>1</sup>
330444 <sup>1</sup>	REAR AXLE - REAR DRIVE AXLE-SINGLE & TANDEM - MERITOR RT46-160 46,000 LB	\$2,775.00 <sup>1</sup>
330507 <sup>1</sup>	REAR AXLE - REAR DRIVE AXLE-SINGLE & TANDEM - MERITOR RT46-164EH 46000 LB	\$3,625.00 <sup>1</sup>
330183 <sup>1</sup>	REAR AXLE - REAR DRIVE AXLE-SINGLE & TANDEM - MERITOR RT52-185 52,000 LB	\$10,800.00 <sup>1</sup>
330481 <sup>1</sup>	REAR AXLE - REAR DRIVE AXLE-SINGLE & TANDEM - MERITOR RT50-160 50,000 LB	\$6,000.00 <sup>1</sup>
330U001 <sup>1</sup>	REAR AXLE LUBE PUMP - DIFFERENTIAL PUMP - MERITOR	\$260.00 <sup>1</sup>
331433 <sup>1</sup>	REAR DRIVE AXLE RATIO - 4.33	\$0.00 <sup>1</sup>
331456 <sup>1</sup>	REAR DRIVE AXLE RATIO - 4.56	\$0.00 <sup>1</sup>
331463 <sup>1</sup>	REAR DRIVE AXLE RATIO - 4.63	\$0.00 <sup>1</sup>
331488 <sup>1</sup>	REAR DRIVE AXLE RATIO - 4.88	\$0.00 <sup>1</sup>
331489 <sup>1</sup>	REAR DRIVE AXLE RATIO - 4.89	\$0.00 <sup>1</sup>
331529 <sup>1</sup>	REAR DRIVE AXLE RATIO - 5.29	\$0.00 <sup>1</sup>
331538 <sup>1</sup>	REAR DRIVE AXLE RATIO - 5.38	\$0.00 <sup>1</sup>
331563 <sup>1</sup>	REAR DRIVE AXLE RATIO - 5.63	\$0.00 <sup>1</sup>
331586 <sup>1</sup>	REAR DRIVE AXLE RATIO - 5.86	\$0.00 <sup>1</sup>
331614 <sup>1</sup>	REAR DRIVE AXLE RATIO - 6.14	\$0.00 <sup>1</sup>
331617 <sup>1</sup>	REAR DRIVE AXLE RATIO - 6.17	\$0.00 <sup>1</sup>
331643 <sup>1</sup>	REAR DRIVE AXLE RATIO - 6.43	\$0.00 <sup>1</sup>
331717 <sup>1</sup>	REAR DRIVE AXLE RATIO - 7.17	\$0.00 <sup>1</sup>
333017 <sup>1</sup>	REAR DRIVE AXLE ANTI-SPIN DEVICES - TANDEM AXLE REAR CARRIER ONLY	\$715.00 <sup>1</sup>
333014 <sup>1</sup>	REAR DRIVE AXLE ANTI-SPIN DEVICES - FOUR WHEEL LOCK	\$1,250.00 <sup>1</sup>
3500004 <sup>1</sup>	REAR SUSPENSION - HENDRICKSON HMX-460 SUSP @ 54" AS	\$715.00 <sup>1</sup>
3500014 <sup>1</sup>	REAR SUSPENSION - HENDRICKSON PAX-EX-462, AIR RIDE @ 54", 46,000 LB CAP	\$2,065.00 <sup>1</sup>
3500001 <sup>1</sup>	REAR SUSPENSION - HENDRICKSON HN-522 SUSP @ 54" AS	\$1,546.00 <sup>1</sup>
3519998 <sup>1</sup>	NO REAR SUSPENSION BEAMS PROVIDED	\$0.00 <sup>1</sup>
357001 <sup>1</sup>	REAR SUSPENSION AIR CONTROL - DASH MOUNTED DUMP VALVE	\$0.00 <sup>1</sup>
358001 <sup>1</sup>	TORQUE RODS - LONGITUDINAL ONLY - RUBBER BUSHED	\$0.00 <sup>1</sup>
359006 <sup>1</sup>	SHOCK ABSORBERS-REAR - FOR AIR SUSPENSION	\$0.00 <sup>1</sup>
359001 <sup>1</sup>	SHOCK ABSORBERS-REAR - 4 SHOCK ABSORBERS HENDRICKSON SUSPENSION	\$202.00 <sup>1</sup>
339002 <sup>1</sup>	REAR AXLE LUBRICANT - SYNTHETIC	\$130.00 <sup>1</sup>
7610001 <sup>1</sup>	BRAKES-FOUNDATION, REAR AXLE - MERITOR 16.5X8.62" QP REFUSE BRAKE	\$250.00 <sup>1</sup>
7610004 <sup>1</sup>	BRAKES-FOUNDATION, REAR AXLE - MERITOR 16.5 X 7P CAST SHOE	\$518.00 <sup>1</sup>
764007 <sup>1</sup>	BRAKE SLACK ADJUSTERS-REAR AXLE - HALDEX AUTOMATIC TANDEM	\$128.00 <sup>1</sup>
765998 <sup>1</sup>	NO REAR AXLE DUST SHIELDS PROVIDED	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

7810001 <sup>1</sup>	BRAKE CHAMBERS-PARKING, TYPE/VENDOR - MGM TYPE 30/36 CHAMBERS (4)	\$150.00 <sup>1</sup>
781035 <sup>1</sup>	BRAKE CHAMBERS-PARKING, TYPE/VENDOR - CAM - HALDEX CHAMBERS (4)	\$35.00 <sup>1</sup>
7810004 <sup>1</sup>	BRAKE CHAMBERS-PARKING, TYPE/VENDOR - CAM HALDEX GOLDSEAL TYPE 36 SPRING CHAMBER (4)	\$0.00 <sup>1</sup>
3P10211 <sup>1</sup>	AUXILIARY AXLES - PUSHER AXLE #1 - HENDRICKSON COMPOSILITE SCT STEERABLE PUSHER, 13500 LBS CAPACITY	\$8,875.00 <sup>1</sup>
3P10010 <sup>1</sup>	AUXILIARY AXLES - PUSHER AXLE #1 - COMPOSILITE FXC NON-STEER PUSHER, 13.5K CAPACITY	\$8,025.00 <sup>1</sup>
3P10008 <sup>1</sup>	AUXILIARY AXLES - PUSHER AXLE #1 - HENDRICKSON COMPOSILITE FX NARROW TRACK NON-STEER PUSHER, 13500 LBS CAPACITY	\$8,875.00 <sup>1</sup>
3P19901 <sup>1</sup>	AUXILIARY AXLES - PUSHER AXLE #1 - PUSHER AXLE PREP W/ ADD'L 1500 AIR, NO CONTROLS	\$200.00 <sup>1</sup>
3PS996 <sup>1</sup>	PUSHER AXLE #1 SPACING - MUST CHOOSE AUX AXLE SPACING	\$0.00 <sup>1</sup>
3P1E001 <sup>1</sup>	PUSHER AXLE STEER LOCKS - AUX. LIFT AXLE STEER LOCKS	\$355.00 <sup>1</sup>
9P1998 <sup>1</sup>	NO PUSHER AXLE HUBS PROVIDED - STEEL HUBS, 11.25" BOLT CIRCLE	\$0.00 <sup>1</sup>
9P8998 <sup>1</sup>	NO PUSHER AXLE HUBS PROVIDED - ALUMINUM HUBS, 11.25" BOLT CIRCLE	\$0.00 <sup>1</sup>
9P60001 <sup>1</sup>	PUSHER AXLE WHEEL SEALS - SCOTSEAL PLUS XL	\$0.00 <sup>1</sup>
9P60002 <sup>1</sup>	PUSHER AXLE WHEEL SEALS - STEMCO VOYAGER SEAL W/ PRO TORQ SPINDLE NUTS	\$75.00 <sup>1</sup>
9P80001 <sup>1</sup>	PUSHER AXLE HUB CAPS - CR ZYTEL HUB CAPS	\$0.00 <sup>1</sup>
9P80002 <sup>1</sup>	PUSHER AXLE HUB CAPS - STEMCO TRADITIONAL, ALUM.	\$36.00 <sup>1</sup>
7P20001 <sup>1</sup>	PUSHER AXLE BRAKES - MERITOR 15X4 QP	\$0.00 <sup>1</sup>
7P20003 <sup>1</sup>	PUSHER AXLE BRAKES - MERITOR 16.5X7QP	\$0.00 <sup>1</sup>
7P20004 <sup>1</sup>	PUSHER AXLE BRAKES - HENDRICKSON INTERGRAL 15X4	\$0.00 <sup>1</sup>
7P40001 <sup>1</sup>	PUSHER AXLE SLACK ADJUSTERS - MERITOR AUTOMATIC	\$0.00 <sup>1</sup>
7P40002 <sup>1</sup>	PUSHER AXLE SLACK ADJUSTERS - HALDEX AUTOMATIC	\$64.00 <sup>1</sup>
7P50001 <sup>1</sup>	DUSTSHIELDS - PUSHER	\$0.00 <sup>1</sup>
3T10111 <sup>1</sup>	TAG AXLE #1 - HENDRICKSON COMPOSILITE SCT STEERABLE TAG, 13500 LBS CAPACITY	\$8,975.00 <sup>1</sup>
3T10010 <sup>1</sup>	TAG AXLE #1 - HENDRICKSON COMPOSILITE FXC NON-STEER TAG, 13500 LBS CAPACITY	\$7,850.00 <sup>1</sup>
3T19901 <sup>1</sup>	TAG AXLE #1 - TAG AXLE PREP W/ ADD'L 1500 AIR, NO CONTROLS	\$175.00 <sup>1</sup>
3T1E001 <sup>1</sup>	AUX. LIFT AXLE STEER LOCKS	\$355.00 <sup>1</sup>
3TS996 <sup>1</sup>	MUST CHOOSE AUX AXLE SPACING	\$0.00 <sup>1</sup>
9T10001 <sup>1</sup>	TAG AXLE HUBS - STEEL HUBS, 11.25" BOLT CIRCLE	\$0.00 <sup>1</sup>
9T10002 <sup>1</sup>	TAG AXLE HUBS - ALUMINUM HUBS, 11.25" BOLT CIRCLE	\$175.00 <sup>1</sup>
9T60001 <sup>1</sup>	TAG AXLE WHEEL SEALS - SCOTSEAL PLUS XL	\$0.00 <sup>1</sup>
9T60002 <sup>1</sup>	TAG AXLE WHEEL SEALS - STEMCO VOYAGER SEAL W/ PRO TORQ SPINDLE NUTS	\$75.00 <sup>1</sup>
9T80001 <sup>1</sup>	TAG AXLE HUB CAPS - CR ZYTEL HUB CAPS	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

PT80002 <sup>1</sup>	TAG AXLE HUB CAPS - STEMCO TRADITIONAL, ALUM.	\$36.00 <sup>1</sup>
7T20001 <sup>1</sup>	TAG AXLE BRAKES - MERITOR 15x4 QP	\$0.00 <sup>1</sup>
7T20003 <sup>1</sup>	TAG AXLE BRAKES - MERITOR 16.5x7 QP	\$0.00 <sup>1</sup>
7T20004 <sup>1</sup>	TAG AXLE BRAKES - HENDRICKSON INTEGRAL 15X4	\$0.00 <sup>1</sup>
7T40001 <sup>1</sup>	TAG SLACK ADJUSTER - XXXX MERITOR AUTOMATIC	\$0.00 <sup>1</sup>
7T40002 <sup>1</sup>	TAG SLACK ADJUSTER - XXXX HALDEX AUTOMATIC	\$0.00 <sup>1</sup>
7T50001 <sup>1</sup>	TAG AXLE DUSTSHIELDS - XXXX DUSTSHIELDS - TAG	\$0.00 <sup>1</sup>
729003 <sup>1</sup>	AIR LINES-PARKING BRAKE, CHASSIS - WORK BRAKE; YELLOW VALVE ACTIVATED	\$220.00 <sup>1</sup>
7410001 <sup>1</sup>	BRAKE CONTROL SYSTEM - BENDIX ABS WITH PLC 4S/4M	\$50.00 <sup>1</sup>
741048 <sup>1</sup>	BRAKE CONTROL SYSTEM - BENDIX ABS WITH FULL TRACTION CONTROL 6S/4M	\$438.00 <sup>1</sup>
741050 <sup>1</sup>	BRAKE CONTROL SYSTEM - NO BRAKE CNTRL SYSTEM-FMVSS121 EXEMPT	(\$500.00) <sup>1</sup>
7660001 <sup>1</sup>	BRAKE VALVE-HAND CONTROL - WORK BRAKE; LEVER ACTIV. TO ALL SERVICE BRAKES	\$849.00 <sup>1</sup>
766004 <sup>1</sup>	BRAKE VALVE-HAND CONTROL - TO REAR SERVICE BRAKES	\$68.00 <sup>1</sup>
400144 <sup>1</sup>	WHEELBASE - 144 INCHES	(\$330.00) <sup>1</sup>
400147 <sup>1</sup>	WHEELBASE - 147 INCHES	(\$315.00) <sup>1</sup>
400150 <sup>1</sup>	WHEELBASE - 150 INCHES	(\$300.00) <sup>1</sup>
400153 <sup>1</sup>	WHEELBASE - 153 INCHES	(\$285.00) <sup>1</sup>
400162 <sup>1</sup>	WHEELBASE - 162 INCHES	(\$240.00) <sup>1</sup>
400165 <sup>1</sup>	WHEELBASE - 165 INCHES	(\$225.00) <sup>1</sup>
400168 <sup>1</sup>	WHEELBASE - 168 INCHES	(\$210.00) <sup>1</sup>
400171 <sup>1</sup>	WHEELBASE - 171 INCHES	(\$195.00) <sup>1</sup>
400174 <sup>1</sup>	WHEELBASE - 174 INCHES	(\$180.00) <sup>1</sup>
400177 <sup>1</sup>	WHEELBASE - 177 INCHES	(\$165.00) <sup>1</sup>
400180 <sup>1</sup>	WHEELBASE - 180 INCHES	(\$150.00) <sup>1</sup>
400183 <sup>1</sup>	WHEELBASE - 183 INCHES	(\$135.00) <sup>1</sup>
400186 <sup>1</sup>	WHEELBASE - 186 INCHES	(\$120.00) <sup>1</sup>
400189 <sup>1</sup>	WHEELBASE - 189 INCHES	(\$105.00) <sup>1</sup>
400192 <sup>1</sup>	WHEELBASE - 192 INCHES	(\$90.00) <sup>1</sup>
400195 <sup>1</sup>	WHEELBASE - 195 INCHES	(\$75.00) <sup>1</sup>
400198 <sup>1</sup>	WHEELBASE - 198 INCHES	(\$60.00) <sup>1</sup>
400201 <sup>1</sup>	WHEELBASE - 201 INCHES	(\$45.00) <sup>1</sup>
400204 <sup>1</sup>	WHEELBASE - 204 INCHES	(\$30.00) <sup>1</sup>
400207 <sup>1</sup>	WHEELBASE - 207 INCHES	(\$15.00) <sup>1</sup>
400213 <sup>1</sup>	WHEELBASE - 213 INCHES	\$348.00 <sup>1</sup>
400216 <sup>1</sup>	WHEELBASE - 216 INCHES	\$371.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

400219 <sup>1</sup>	WHEELBASE - 219 INCHES	\$402.00 <sup>1</sup>
400222 <sup>1</sup>	WHEELBASE - 222 INCHES	\$433.00 <sup>1</sup>
400225 <sup>1</sup>	WHEELBASE - 225 INCHES	\$554.00 <sup>1</sup>
400228 <sup>1</sup>	WHEELBASE - 228 INCHES	\$598.00 <sup>1</sup>
400231 <sup>1</sup>	WHEELBASE - 231 INCHES	\$614.00 <sup>1</sup>
400234 <sup>1</sup>	WHEELBASE - 234 INCHES	\$630.00 <sup>1</sup>
400237 <sup>1</sup>	WHEELBASE - 237 INCHES	\$646.00 <sup>1</sup>
400240 <sup>1</sup>	WHEELBASE - 240 INCHES	\$662.00 <sup>1</sup>
400243 <sup>1</sup>	WHEELBASE - 243 INCHES	\$736.00 <sup>1</sup>
400246 <sup>1</sup>	WHEELBASE - 246 INCHES	\$766.00 <sup>1</sup>
400249 <sup>1</sup>	WHEELBASE - 249 INCHES	\$796.00 <sup>1</sup>
400252 <sup>1</sup>	WHEELBASE - 252 INCHES	\$826.00 <sup>1</sup>
400255 <sup>1</sup>	WHEELBASE - 255 INCHES	\$856.00 <sup>1</sup>
400258 <sup>1</sup>	WHEELBASE - 258 INCHES	\$886.00 <sup>1</sup>
400261 <sup>1</sup>	WHEELBASE - 261 INCHES	\$982.00 <sup>1</sup>
402056 <sup>1</sup>	56"	\$0.00 <sup>1</sup>
402062 <sup>1</sup>	62"	\$0.00 <sup>1</sup>
402068 <sup>1</sup>	68"	\$0.00 <sup>1</sup>
402074 <sup>1</sup>	74"	\$0.00 <sup>1</sup>
402080 <sup>1</sup>	80"	\$0.00 <sup>1</sup>
402086 <sup>1</sup>	86"	\$0.00 <sup>1</sup>
402092 <sup>1</sup>	92"	\$0.00 <sup>1</sup>
402098 <sup>1</sup>	98"	\$0.00 <sup>1</sup>
402110 <sup>1</sup>	110"	\$300.00 <sup>1</sup>
402116 <sup>1</sup>	116"	\$300.00 <sup>1</sup>
402112 <sup>1</sup>	122"	\$300.00 <sup>1</sup>
402128 <sup>1</sup>	128"	\$300.00 <sup>1</sup>
402134 <sup>1</sup>	134"	\$300.00 <sup>1</sup>
402140 <sup>1</sup>	140"	\$450.00 <sup>1</sup>
402146 <sup>1</sup>	146"	\$450.00 <sup>1</sup>
402152 <sup>1</sup>	152"	\$450.00 <sup>1</sup>
402158 <sup>1</sup>	158"	\$450.00 <sup>1</sup>
403011 <sup>1</sup>	3/8" VARIABLE DROP STEEL, EXT A	\$560.00 <sup>1</sup>
4030004 <sup>1</sup>	XXXX 3/8" ACX DROP BELLY	\$7,960.00 <sup>1</sup>
404002 <sup>1</sup>	FRAME REINFORCEMENT INNER - .25" LINER, STANDARD LENGTH	\$1,705.00 <sup>1</sup>
4090001 <sup>1</sup>	7-PIECE STEEL W/ ALUM BOC X-MEMBER	\$0.00 <sup>1</sup>
4100001 <sup>1</sup>	MISC TSO OPTIONS - KEEP LH RAIL CLEAR	\$65.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

4100002 <sup>1</sup>	MISC TSO OPTIONS - KEEP RH RAIL CLEAR	\$65.00 <sup>1</sup>
411012 <sup>1</sup>	FRAME CROSSMEMBER-END CLOSING - STEEL CHANNEL MEMBER-IF REQUIRED	\$0.00 <sup>1</sup>
460002 <sup>1</sup>	CHROMED STEEL	\$250.00 <sup>1</sup>
460002 <sup>1</sup>	STAINLESS STEEL CLAD ALUMINUM BUMPER	\$535.00 <sup>1</sup>
4680010 <sup>1</sup>	ENGINE OIL PAN GUARD - ALUMINUM	\$200.00 <sup>1</sup>
892014 <sup>1</sup>	ECCO SMART ALARM SA917	\$155.00 <sup>1</sup>
892009 <sup>1</sup>	ECCO RMS 917 WITH MOTION DETECTOR	\$770.00 <sup>1</sup>
430042 <sup>1</sup>	FUEL TANK-LEFT - 75 GAL 26" DIA POLISHED ALUMINUM	\$292.00 <sup>1</sup>
430033 <sup>1</sup>	FUEL TANK-LEFT - 85 GAL 22" DIA UNPAINTED ALUMINUM	\$100.00 <sup>1</sup>
430021 <sup>1</sup>	FUEL TANK-LEFT - 100 GAL 26" DIA UNPAINTED ALUMINUM	\$115.00 <sup>1</sup>
430800 <sup>1</sup>	FUEL TANK-LEFT - ALTERNATE FUEL ENGINE-NO LH TANK	\$0.00 <sup>1</sup>
430998 <sup>1</sup>	FUEL TANK-LEFT - DELETE LHS FUEL TANK	(\$444.00) <sup>1</sup>
430R001 <sup>1</sup>	FUEL TANK FILL LHS - REAR FILL FUEL TANK, LHS	\$0.00 <sup>1</sup>
4470002 <sup>1</sup>	LH FUEL TANK SPACERS - LH FUEL TANK SPACED 2", DROPPED 0"	\$0.00 <sup>1</sup>
4470003 <sup>1</sup>	LH FUEL TANK SPACERS - LH FUEL TANK SPACED 2", DROPPED 2"	\$160.00 <sup>1</sup>
4470004 <sup>1</sup>	LH FUEL TANK SPACERS - LH FUEL TANK SPACED 2", DROPPED 4"	\$162.00 <sup>1</sup>
4470005 <sup>1</sup>	LH FUEL TANK SPACERS - LH FUEL TANK SPACED 4", DROPPED 0"	\$0.00 <sup>1</sup>
4470006 <sup>1</sup>	LH FUEL TANK SPACERS - LH FUEL TANK SPACED 4", DROPPED 2"	\$189.00 <sup>1</sup>
4470007 <sup>1</sup>	LH FUEL TANK SPACERS - LH FUEL TANK SPACED 4", DROPPED 4"	\$190.00 <sup>1</sup>
4479998 <sup>1</sup>	LH FUEL TANK SPACERS - NO LH FUEL TANK HEIGHT	\$0.00 <sup>1</sup>
432007 <sup>1</sup>	FUEL TANK STRAP/ SUPPORT LEFT - STAINLESS STEEL, LH	\$150.00 <sup>1</sup>
4320001 <sup>1</sup>	FUEL TANK STRAP/ SUPPORT LEFT - 26 INCH J-BRACKET W/SS STRAP-LNG QTY 2	\$379.00 <sup>1</sup>
4320002 <sup>1</sup>	FUEL TANK STRAP/ SUPPORT LEFT - 26 INCH J-BRACKET W/SS STRAP-LNG QTY 3	\$568.00 <sup>1</sup>
4320003 <sup>1</sup>	FUEL TANK STRAP/ SUPPORT LEFT - 26 INCH J-BRACKET W/SS STRAP-LNG, QTY 4	\$757.00 <sup>1</sup>
432998 <sup>1</sup>	FUEL TANK STRAP/ SUPPORT LEFT - NO LH FUEL TANK STRAPS PROVIDED	\$0.00 <sup>1</sup>
4280002 <sup>1</sup>	DRILLING FUEL TK SUPT-LEFT - FUEL TANK MTD LHS OTHER THAN STANDARD - SPECIFY	\$45.00 <sup>1</sup>
4280003 <sup>1</sup>	DRILLING FUEL TK SUPT-LEFT - FUEL TANK LHS LOCATION - SPEC DRIVEN	\$0.00 <sup>1</sup>
4289998 <sup>1</sup>	DRILLING FUEL TK SUPT-LEFT - NO LH FUEL TANK PROVIDED	\$0.00 <sup>1</sup>
431020 <sup>1</sup>	FUEL TANK-RIGHT - 75 GAL 26" DIA UNPAINTED ALUMINUM	\$650.00 <sup>1</sup>
431042 <sup>1</sup>	FUEL TANK-RIGHT - 75 GAL 26" DIA POLISHED ALUMINUM	\$750.00 <sup>1</sup>
431033 <sup>1</sup>	FUEL TANK-RIGHT - 85 GAL 22" DIAM UNPAINTED ALUMINUM	\$738.00 <sup>1</sup>
431021 <sup>1</sup>	FUEL TANK-RIGHT - 100 GAL 26" DIA UNPAINTED ALUMINUM	\$709.00 <sup>1</sup>
431500 <sup>1</sup>	FUEL TANK-RIGHT - TEMPORARY TANK ILO STANDARD 75 GALLON	\$120.00 <sup>1</sup>
431800 <sup>1</sup>	FUEL TANK-RIGHT - ALTERNATE FUEL ENGINE-NO RH TANK	\$0.00 <sup>1</sup>
431R001 <sup>1</sup>	REAR FILL FUEL TANK, RHS	\$0.00 <sup>1</sup>
441001 <sup>1</sup>	FUEL TANK STRAP/ SUPPORT RIGHT - PAINTED STEEL, RH	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

4410001	<sup>1</sup>	FUEL TANK STRAP/ SUPPORT RIGHT - 26 INCH J-BRACKET W/SS STRAP-LNG QTY 2	\$379.00	<sup>1</sup>
4410002	<sup>1</sup>	FUEL TANK STRAP/ SUPPORT RIGHT - 26 INCH J-BRACKET W/SS STRAP-LNG QTY 3	\$568.00	<sup>1</sup>
4410003	<sup>1</sup>	FUEL TANK STRAP/ SUPPORT RIGHT - 26 INCH J-BRACKET W/SS STRAP-LNG, QTY 4	\$757.00	<sup>1</sup>
4290001	<sup>1</sup>	DRILLING FUEL TK SUPT-RIGHT - FUEL TANK MTD FWD RHS - STANDARD (IF PROVIDED)	\$0.00	<sup>1</sup>
4290002	<sup>1</sup>	DRILLING FUEL TK SUPT-RIGHT - FUEL TANK MTD RHS OTHER THAN STANDARD - SPECIFY	\$0.00	<sup>1</sup>
433008	<sup>1</sup>	FUEL TANK SCREENS - FILL SCREEN/ANTI-SIPHON INSERT SINGLE TANK	\$22.00	<sup>1</sup>
436023	<sup>1</sup>	FUEL LINES - STAINLESS STEEL FOR CNG OR LNG	\$0.00	<sup>1</sup>
436015	<sup>1</sup>	FUEL LINES - SAE J1402A1 WIRE BRAIDED	\$74.00	<sup>1</sup>
4200002	<sup>1</sup>	ALTERNATE FUEL SYSTEMS - METHANE DETECTION SYSTEM	\$2,800.00	<sup>1</sup>
4219000	<sup>1</sup>	BOC MOUNTED ALT FUEL STORAGE - ALTER FOR FUEL SYSTEM DRILLINGS, INDICATE SYSTEM CAPACITY AND SUPPLIER	\$0.00	<sup>1</sup>
8120001	<sup>1</sup>	BATTERY BOX - STEEL BOX, 4 BATTERY, LHS	\$90.00	<sup>1</sup>
8120007	<sup>1</sup>	BATTERY BOX - STEEL BOX W/ ALUM LID, 3 BATTERY, LHS	\$104.00	<sup>1</sup>
8120009	<sup>1</sup>	BATTERY BOX - STEEL BOX W/ ALUM LID, 4 BATTERY, LHS	\$173.00	<sup>1</sup>
8120004	<sup>1</sup>	BATTERY BOX - LH MTD PARALLEL TO FRAME, 3 BATT CAPACITY	\$279.00	<sup>1</sup>
8120006	<sup>1</sup>	BATTERY BOX - STEEL BOX, 3 BATTERY, RHS	\$0.00	<sup>1</sup>
8120002	<sup>1</sup>	BATTERY BOX - STEEL BOX, 4 BATTERY, RHS	\$90.00	<sup>1</sup>
8120008	<sup>1</sup>	BATTERY BOX - STEEL BOX W/ ALUM LID, 3 BATTERY, RHS	\$104.00	<sup>1</sup>
8120010	<sup>1</sup>	BATTERY BOX - STEEL BOX W/ ALUM LID, 4 BATTERY, RHS	\$173.00	<sup>1</sup>
8120003	<sup>1</sup>	BATTERY BOX - RH MTD PARALLEL TO FRAME, 3 BATT CAPACITY	\$279.00	<sup>1</sup>
8160002	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 2", DROPPED 0"	\$48.00	<sup>1</sup>
8160003	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 2", DROPPED 2"	\$48.00	<sup>1</sup>
8160004	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 2", DROPPED 4"	\$48.00	<sup>1</sup>
8160005	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 2", DROPPED 6"	\$48.00	<sup>1</sup>
8160006	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 2", DROPPED 8"	\$48.00	<sup>1</sup>
8160007	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 4", DROPPED 0"	\$48.00	<sup>1</sup>
8160008	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 4", DROPPED 2"	\$48.00	<sup>1</sup>
8160009	<sup>1</sup>	BATTERY BOX SPACERS - BATTERY BOX SPACED 4", DROPPED 4"	\$48.00	<sup>1</sup>
8090002	<sup>1</sup>	BATTERY BOX DRILLING - BATTERY BOX OTHER THAN STANDARD - SPECIFY	\$67.00	<sup>1</sup>
810090	<sup>1</sup>	BATTERY - 4 JOHNSON CONTROL 31ECL 12V 3000CCA	\$100.00	<sup>1</sup>
810092	<sup>1</sup>	BATTERY - 3 JOHNSON CONTROL 31ECL 12V 2850CCA	\$67.00	<sup>1</sup>
810093	<sup>1</sup>	BATTERY - 4 JOHNSON CONTROL 31ECL 12V 3800CCA	\$184.00	<sup>1</sup>
814003	<sup>1</sup>	BATTERY SHUT-OFF SWITCH - SHUTOFF W/ LOCKOUT & EMERGENCY JUMPER STUDS	\$124.00	<sup>1</sup>
7110002	<sup>1</sup>	AIR TANK-BRAKE - ALUMINUM AIR TANKS	\$250.00	<sup>1</sup>
7090001	<sup>1</sup>	AIR TANK DRILLING - AS MANY TANKS IN RAIL AS POSSIBLE	\$0.00	<sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

715009 <sup>1</sup>	WET TANK DRAIN - BENDIX DV-2 AUTOMATIC WITH HEATER	\$45.00 <sup>1</sup>
715001 <sup>1</sup>	WET TANK DRAIN - MANUAL TYPE PETCOCK	(\$23.00) <sup>1</sup>
715T002 <sup>1</sup>	AIR RESERVOIR DRAIN SYSTEM - PULL CORDS, ALL TANKS	\$35.00 <sup>1</sup>
715T003 <sup>1</sup>	AIR RESERVOIR DRAIN SYSTEM - CENTRAL MANIFOLD W/ PETCOCKS	\$70.00 <sup>1</sup>
7380001 <sup>1</sup>	EMERGENCY AIR SYSTEM CHARGING - SCHRADER VALVE, WET TANK MTD	\$49.00 <sup>1</sup>
713023 <sup>1</sup>	EMERGENCY AIR SYSTEM CHARGING - SINGLE GLADHAND, FRONT BUMPER MTD	\$63.00 <sup>1</sup>
713023 <sup>1</sup>	BENDIX ADIP W/HEAT	\$15.00 <sup>1</sup>
7130007 <sup>1</sup>	BENDIX AD-IP EP	\$250.00 <sup>1</sup>
7100001 <sup>1</sup>	AIR DRYER DRILLING - MOUNT AIR DRYER INSIDE RAIL, LHS	\$75.00 <sup>1</sup>
7100002 <sup>1</sup>	AIR DRYER DRILLING - MOUNT AIR DRYER INSIDE RAIL, RHS	\$75.00 <sup>1</sup>
7100004 <sup>1</sup>	AIR DRYER DRILLING - AIR DRYER MTD OUTSIDE RAIL, RHS	\$0.00 <sup>1</sup>
4510005 <sup>1</sup>	STEP-CAB ACCESS, CAB MOUNTED - SINGLE SELF CLEANING CAB ENTRANCE STEP	\$0.00 <sup>1</sup>
502008 <sup>1</sup>	CAB DOORS - LH STD./RH HINGED AT REAR	\$0.00 <sup>1</sup>
502T02 <sup>1</sup>	DOOR CHECK STRAPS - L.H. DOOR CHECK STRAP	\$125.00 <sup>1</sup>
502T03 <sup>1</sup>	DOOR CHECK STRAPS - L.H. & R.H. DOOR CHECK STRAP	\$255.00 <sup>1</sup>
5120001 <sup>1</sup>	POWER WINDOWS - DUAL INTERNAL REGULATOR POWER WINDOWS	\$750.00 <sup>1</sup>
5120002 <sup>1</sup>	POWER WINDOWS - STAND UP CAB ONLY - SINGLE INTERNAL REGULATOR POWER WINDOW LH	\$400.00 <sup>1</sup>
5140001 <sup>1</sup>	CAB GUARD FRONT - XPEDITOR CAB GUARD	\$385.00 <sup>1</sup>
620001 <sup>1</sup>	SUN VISOR-EXTERIOR - FIBERGLASS, MOUNTED OVER WINDSHIELD	\$875.00 <sup>1</sup>
6220016 <sup>1</sup>	MIRRORS-DUAL WEST COAST - MIRROR, BLACK, HTD, W / LWR HTD CONVEX	\$285.00 <sup>1</sup>
622017 <sup>1</sup>	MIRRORS-DUAL WEST COAST - MIRROR, BLACK, HTD, REMOTE W / LWR HTD CONVEX	\$570.00 <sup>1</sup>
622018 <sup>1</sup>	MIRRORS-DUAL WEST COAST - MIRROR, BLACK, HTD, REMOTE, W / MARKER LIGHT, W / LWR HTD CONVEX	\$620.00 <sup>1</sup>
6220021 <sup>1</sup>	MIRRORS-DUAL WEST COAST - MIRROR, CHROME, HTD, W/ LWR HTD CONVEX	\$500.00 <sup>1</sup>
6220019 <sup>1</sup>	MIRRORS-DUAL WEST COAST - MIRROR, CHROME, HTD, REMOTE, W / LWR HTD CONVEX	\$690.00 <sup>1</sup>
6220020 <sup>1</sup>	MIRRORS-DUAL WEST COAST - MIRROR, CHROME, HTD, REMOTE, W / MARKER LIGHT, W / LWR HTD CONVEX	\$740.00 <sup>1</sup>
6230006 <sup>1</sup>	MIRRORS-AUXILIARY - HIGH MOUNT 8" CONVEX, BLACK	\$95.00 <sup>1</sup>
6230007 <sup>1</sup>	MIRRORS-AUXILIARY - HIGH MOUNT 8" CONVEX, CHROME	\$100.00 <sup>1</sup>
6180002 <sup>1</sup>	DOWN VIEW MIRRORS - SINGLE DOWN VIEW MIRROR, LH SIDE	\$0.00 <sup>1</sup>
6180003 <sup>1</sup>	DOWN VIEW MIRRORS - DUAL DOWN VIEW MIRRORS, ONE EACH SIDE	\$23.00 <sup>1</sup>
618998 <sup>1</sup>	DOWN VIEW MIRRORS - NO DOWN VIEW MIRRORS PROVIDED	(\$7.00) <sup>1</sup>
630014 <sup>1</sup>	HORN-AIR - CHROME RECT WIDE SPACED W/COVER, DUAL	\$149.00 <sup>1</sup>
630998 <sup>1</sup>	NO AIR HORN PROVIDED	(\$30.00) <sup>1</sup>
631002 <sup>1</sup>	HORN-ELECTRIC - DUAL	\$20.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

661002 <sup>1</sup>	CAB TILT MECHANISM-C.O.E. - HYDRAULIC TILT WITH AIR ASSIST	\$198.00 <sup>1</sup>
6720004 <sup>1</sup>	GRILLE - CHROMED AUTOCAR GRILLE	\$251.00 <sup>1</sup>
6720008 <sup>1</sup>	GRILLE - AUTOCAR GRILLE WITH REMOVABLE WINTERFRONT COVER	\$145.00 <sup>1</sup>
6720009 <sup>1</sup>	GRILLE - AUTOCAR CHROME GRILLE WITH REMOVABLE WINTERFRONT COVER	\$400.00 <sup>1</sup>
675998 <sup>1</sup>	BUG SCREENS - NO GRILLE EQUIPMENT PROVIDED	\$0.00 <sup>1</sup>
693002 <sup>1</sup>	UNDERCOAT - CAB CORROSION INHIBITOR	\$665.00 <sup>1</sup>
380003 <sup>1</sup>	STEERING WHEEL - 18 INCH DIAMETER	\$5.00 <sup>1</sup>
3810002 <sup>1</sup>	STEERING COLUMN - TILT AND TELESCOPIC STEERING COLUMN	\$0.00 <sup>1</sup>
381001 <sup>1</sup>	STEERING COLUMN - FIXED POSITION	(\$100.00) <sup>1</sup>
5200009 <sup>1</sup>	SEAT-DRIVER - SEARS C2 SEAT, AIR RIDE	\$100.00 <sup>1</sup>
5200003 <sup>1</sup>	SEAT-DRIVER - BOSTROM T905 MID-BACK, AIR RIDE	\$50.00 <sup>1</sup>
5200001 <sup>1</sup>	SEAT-DRIVER - BOSTROM 910 HIGH BACK, AIR RIDE	\$100.00 <sup>1</sup>
521234 <sup>1</sup>	SEAT-PASSENGER - NATIONAL CUSH II LOW BACK, AIR RIDE	\$350.00 <sup>1</sup>
5210010 <sup>1</sup>	SEAT-PASSENGER - SEARS C2 SEAT, FIXED	\$125.00 <sup>1</sup>
5210009 <sup>1</sup>	SEAT-PASSENGER - SEARS C2 SEAT, AIR RIDE	\$450.00 <sup>1</sup>
5210004 <sup>1</sup>	SEAT-PASSENGER - BOSTROM T900F MID-BACK, FIXED TYPE	\$50.00 <sup>1</sup>
5210003 <sup>1</sup>	SEAT-PASSENGER - BOSTROM T905 MID-BACK, AIR RIDE	\$350.00 <sup>1</sup>
5210001 <sup>1</sup>	SEAT-PASSENGER - BOSTROM 910 HIGH BACK, AIR RIDE	\$425.00 <sup>1</sup>
521130 <sup>1</sup>	SEAT-PASSENGER - FOLDING SEAT/BACKREST	\$0.00 <sup>1</sup>
5220002 <sup>1</sup>	SEAT BELTS-DRIVER - THREE POINT RETRACTABLE, BRIGHT ORANGE COLOR	\$15.00 <sup>1</sup>
5230002 <sup>1</sup>	SEAT BELTS-PASSENGER - THREE POINT RETRACTABLE, BRIGHT ORANGE COLOR	\$15.00 <sup>1</sup>
5230001 <sup>1</sup>	SEAT BELTS-PASSENGER - LAP BELT WITH RESTRAINT STRAP	\$0.00 <sup>1</sup>
5260001 <sup>1</sup>	SEAT INSERT - GREY CORDURA	\$15.00 <sup>1</sup>
5260002 <sup>1</sup>	SEAT INSERT - MODURA, ASPHALT COLOR	\$0.00 <sup>1</sup>
538004 <sup>1</sup>	CARPET & MAT - ALUMINUM DIAMOND PLATE - DRIVER SIDE	\$70.00 <sup>1</sup>
5380001 <sup>1</sup>	CARPET & MAT - DIAMOND PLATE FLOORING - BOTH SIDES	\$160.00 <sup>1</sup>
5500002 <sup>1</sup>	CENTER CONSOLE W/ ADJUSTABLE ROUTE BOOK STAND BASE	\$1,375.00 <sup>1</sup>
5510002 <sup>1</sup>	REAR CONSOLE W/ WIRE FRAME STORAGE CONTAINER	\$100.00 <sup>1</sup>
5950001 <sup>1</sup>	INTECH CAMERA PREP	\$208.00 <sup>1</sup>
5950012 <sup>1</sup>	3RD EYE CAMERA PREP (CAB ONLY)	\$875.00 <sup>1</sup>
5950013 <sup>1</sup>	ZONAR AND 3RD EYE CAMERA PREP	\$1,190.00 <sup>1</sup>
8750001 <sup>1</sup>	ADDITIONAL ELEC. SWITCHES - 2 DASH SWITCHES, WIRED TO POWER	\$55.00 <sup>1</sup>
8750003 <sup>1</sup>	ADDITIONAL ELEC. SWITCHES - 6 DASH SWITCHES, WIRE TO ACCESSORY PWR	\$165.00 <sup>1</sup>
5852000 <sup>1</sup>	DRIVER MONITORING SYSTEM - DRIVER CAM WIRING PREP OVERHEAD CONSOLE	\$90.00 <sup>1</sup>
0600002 <sup>1</sup>	DUAL EVAPORATOR A/C WITH HEATER / DEFROSTER (RAD MOUNT CONDENSER)	\$3,970.00 <sup>1</sup>
060011 <sup>1</sup>	INTEGRAL A/C WITH ROOF MOUNT CONDENSER	\$1,785.00 <sup>1</sup>
612001 <sup>1</sup>	AIR CONDITIONER CONDENSER - STANDARD (RADIATOR MOUNTED)	\$0.00 <sup>1</sup>



<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

612002 <sup>1</sup>	AIR CONDITIONER CONDENSER - ROOF MTD. (DISTRIBUTOR RESPONSIBILITY TO ENSURE CLEARANCE WITH FEL CANOPY)	\$0.00 <sup>1</sup>
0570005 <sup>1</sup>	INSTRUMENTS SALES PKG - XXXX GAUGES AND INSTRUMENT LH PRIMARY	\$0.00 <sup>1</sup>
1390001 <sup>1</sup>	ELECTRONIC ENGINE OIL TEMPERATURE	\$50.00 <sup>1</sup>
2250001 <sup>1</sup>	AIR INTAKE RESTRICTION GAUGE IN CAB	\$70.00 <sup>1</sup>
3190001 <sup>1</sup>	PTO ELECTRIC CONTROL SWITCH	\$25.00 <sup>1</sup>
3360002 <sup>1</sup>	ELECTRONIC REAR AXLE LUBE TEMP. - DUAL	\$152.00 <sup>1</sup>
4390003 <sup>1</sup>	HOLE IN GAUGE PANEL FOR 2" NG FUEL GAUGE	\$0.00 <sup>1</sup>
4390004 <sup>1</sup>	NG FUEL LEVEL INCLUDED IN ONBOARD DISPLAY (ONLY AVAILABLE WITH AUTOCAR FMM)	\$0.00 <sup>1</sup>
4399998 <sup>1</sup>	NO FUEL GAUGE OR HOLE IN PANEL PROVIDED	\$0.00 <sup>1</sup>
7210001 <sup>1</sup>	ELECTRONIC SERVICE BRAKE APPLICATION	\$79.00 <sup>1</sup>
836005 <sup>1</sup>	LAMPS-HEAD - SINGLE ROUND HALOGEN	\$0.00 <sup>1</sup>
8370001 <sup>1</sup>	DUAL ROUND SEALED TAILLIGHTS	\$165.00 <sup>1</sup>
837011 <sup>1</sup>	DUAL LED TRUCKLITE MODEL 44	\$325.00 <sup>1</sup>
8410003 <sup>1</sup>	LED TURN SIGNALS, FRONT END LOADER PACKAGE	\$75.00 <sup>1</sup>
8520001 <sup>1</sup>	LAMPS-PARKING - CORNER MARKER LAMP WIRED TO BATTERY SHUT OFF	\$75.00 <sup>1</sup>
853002 <sup>1</sup>	INTERRUPTER SWITCH FOR CAB/BODY LAMPS	\$25.00 <sup>1</sup>
859002 <sup>1</sup>	DAYTIME - W/O PARK BRAKE DE-ACTIVATION	\$6.00 <sup>1</sup>
859999 <sup>1</sup>	NO DAYTIME RUNNING LIGHTS PROVIDED	(\$24.00) <sup>1</sup>
860009 <sup>1</sup>	WORK LIGHT BOC DRIP RAIL MOUNTED	\$91.00 <sup>1</sup>
8620001 <sup>1</sup>	AMBER FOG LAMPS (2) RECESSED IN BUMPER	\$201.00 <sup>1</sup>
8660001 <sup>1</sup>	RFEL LIGHT PREP MOUNTED TO CAB GUARD	\$132.00 <sup>1</sup>
867015 <sup>1</sup>	LAMPS-EMERGENCY WARNING - SWITCH WIRED(12GA) FOR BEACON LIGHT	\$85.00 <sup>1</sup>
8670003 <sup>1</sup>	LAMPS-EMERGENCY WARNING - WHELEN STROBE LIGHT (PREP, BODY BUILDER MUST COMPLETE INSTALL BY CONNECTING TO CONTROLLER/SWITCH)	\$450.00 <sup>1</sup>
509002 <sup>1</sup>	KEY & LOCK SETS-IGN/DOORS - DOOR & IGNITION SAME - SAME FOR FLEET	\$4.00 <sup>1</sup>
5090001 <sup>1</sup>	KEY & LOCK SETS-IGN/DOORS - 2 ADDITIONAL KEYS PER TRUCK (4 TOTAL)	\$20.00 <sup>1</sup>
511002 <sup>1</sup>	VISIBILITY WINDOW - LEFT HAND DOOR	\$220.00 <sup>1</sup>
511001 <sup>1</sup>	VISIBILITY WINDOW - RIGHT HAND DOOR	\$220.00 <sup>1</sup>
511005 <sup>1</sup>	VISIBILITY WINDOW - LH & RH DOOR	\$400.00 <sup>1</sup>
5900005 <sup>1</sup>	RADIO PREP IN OVERHEAD CONSOLE	\$145.00 <sup>1</sup>
5900006 <sup>1</sup>	AM/FM RADIO, ROOF MOUNTED	\$275.00 <sup>1</sup>
5900002 <sup>1</sup>	AM/FM / CD STEREO, ROOF MTD	\$327.00 <sup>1</sup>
5900008 <sup>1</sup>	AM/FM/WB/MP3/CD/USB/BLUETOOTH	\$400.00 <sup>1</sup>
5910002 <sup>1</sup>	ANTENNA - ROOF MOUNTED	\$0.00 <sup>1</sup>
596005 <sup>1</sup>	2 DUAL CONE SPEAKERS	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

962003 <sup>1</sup>	FIRE EXTINGUISHER - DRY TYPE ABC 5LB. CAP MTD. IN CAB	\$100.00 <sup>1</sup>
9620001 <sup>1</sup>	FIRE EXTINGUISHER - DUAL 5LB ABC EXTINGUISHERS, ONE UNDER EACH SEAT	\$200.00 <sup>1</sup>
9620002 <sup>1</sup>	FIRE EXTINGUISHER - EMPTY STORAGE COMPARTMENT UNDER SEAT	\$43.00 <sup>1</sup>
9050016 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x9.0" STEEL HP, 6.38" INSET, 5HH	\$0.00 <sup>1</sup>
9050017 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x12.25" STEEL HP, 4.75" INSET, 5HH	\$114.00 <sup>1</sup>
9050018 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x13.0" STEEL HP, 5.25" INSET, 5HH	\$204.00 <sup>1</sup>
9050014 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x8.25" STEEL HP, 6.18" INSET, 5HH	(\$200.00) <sup>1</sup>
9050019 <sup>1</sup>	WHEELS-DISC FRONT - 24.5x8.25" STEEL HP, 6.62" INSET, 5HH	(\$290.00) <sup>1</sup>
905111 <sup>1</sup>	WHEELS-DISC FRONT - 22.5X9.0" STEEL HP, 5.25" INSET, 5HH, ACCURIDE #29039	(\$6.00) <sup>1</sup>
9050037 <sup>1</sup>	WHEELS-DISC FRONT - 22.5X9.0" ALUMINUM, HP, 3.12" INSET, ACCURIDE #40012	\$468.00 <sup>1</sup>
9052004 <sup>1</sup>	WHEELS-DISC FRONT - 22.5X9.00" ALUMINUM HP, 6.02" INSET, ACCURIDE #29730	\$336.00 <sup>1</sup>
905549 <sup>1</sup>	WHEELS-DISC FRONT - 22.5X12.25" ALUMINUM HP, 4.75" INSET, ACCURIDE # 29374	\$526.00 <sup>1</sup>
9050005 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x8.25" ALUMINUM, HP, 5.71" INSET, ACCURIDE #41644	\$146.00 <sup>1</sup>
9052001 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x9.0" ALUMINUM HP, 5.96" INSET, ALCOA #894657 LV1 FINISH	\$334.00 <sup>1</sup>
9050037 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x9.0" ALUMINUM HP, 3.12" INSET, ALCOA #893657 LV1 FINISH	\$468.00 <sup>1</sup>
9050031 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x12.25" ALUMINUM HP, 4.68" INSET, ALCOA #824627 LV1 FINISH	\$760.00 <sup>1</sup>
9052002 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x13.0" ALUMINUM HP, 5.3" INSET, ALCOA #834627 LV1 FINISH	\$820.00 <sup>1</sup>
9050022 <sup>1</sup>	WHEELS-DISC FRONT - 22.5x8.25" ALUMINUM HP, 5.79" INSET, ALCOA #883677 LV1 FINISH	\$250.00 <sup>1</sup>
905T01 <sup>1</sup>	ONE (1) SPARE TO MATCH SELECTED FRT WHEELS	\$304.00 <sup>1</sup>
924001 <sup>1</sup>	POLISHING FOR ALUMINUM DISC WHEELS	\$200.00 <sup>1</sup>
9240001 <sup>1</sup>	WHEEL POLISHING & BRIGHTWORK-FRONT AXLE - DURA BRIGHT FINISH	\$500.00 <sup>1</sup>
930062 <sup>1</sup>	TIRE SIZE & LOAD RANGE - FRONT - 11R22.5H	\$0.00 <sup>1</sup>
930063 <sup>1</sup>	TIRE SIZE & LOAD RANGE - FRONT - 12R22.5H	\$0.00 <sup>1</sup>
930466 <sup>1</sup>	TIRE SIZE & LOAD RANGE - FRONT - 385/65R22.5J	\$0.00 <sup>1</sup>
930821 <sup>1</sup>	TIRE SIZE & LOAD RANGE - FRONT - 425/65R22.5L	\$0.00 <sup>1</sup>
9340042 <sup>1</sup>	GOODYEAR G661 HSA	(\$440.00) <sup>1</sup>
9340032 <sup>1</sup>	GOODYEAR 288 MSA W/ DURASEAL	\$560.00 <sup>1</sup>
9340039 <sup>1</sup>	GOODYEAR G289 WHA	\$0.00 <sup>1</sup>
9340031 <sup>1</sup>	GOODYEAR 289 WHA W/ DURASEAL	\$0.00 <sup>1</sup>
934495 <sup>1</sup>	MICHELIN XDE M/S	\$304.00 <sup>1</sup>
9340001 <sup>1</sup>	MICHELIN XZY-3	\$976.00 <sup>1</sup>
9340046 <sup>1</sup>	MICHELIN XZU-S 2 (RATED TO 10K) XXXX	\$0.00 <sup>1</sup>
9340061 <sup>1</sup>	MICHELIN X WORKS XDY	\$2,400.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

934996 <sup>1</sup>	MUST CHOOSE	\$0.00 <sup>1</sup>
934T001 <sup>1</sup>	ONE (1) SPARE MTD ON WHEEL TO MATCH RR TIRES	\$807.00 <sup>1</sup>
9P20014 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5X8.25" STEEL HP, 6.62 OFFSET, 5HH	\$0.00 <sup>1</sup>
9P20015 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5X9.0" STEEL HP, 5.25" INSET, 5HH	\$0.00 <sup>1</sup>
9P20016 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5X9.0" STEEL, HP, 6.41" INSET, 5HH	\$0.00 <sup>1</sup>
9P20004 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5X9.0" STEEL HP, 7.0" OFFSET, 5HH, ACCURIDE #29300 XXXX	\$0.00 <sup>1</sup>
9P20005 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5x8.25" ALUMINUM HP, 6.59" OFFSET, ACCURIDE #41644	\$0.00 <sup>1</sup>
9P22003 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5X9.0" ALUMINUM HP, 7.0" OFFSET, ACCURIDE #29730	\$0.00 <sup>1</sup>
9P20011 <sup>1</sup>	PUSHER AXLE WHEELS - 19.5X7.5" ALUMINUM HP, 6.25" OFFSET, ACCURIDE #29685A	\$0.00 <sup>1</sup>
9P20022 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5X8.25" ALUMINUM HP, 5.79" INSET, ALCOA #883677 LV1 FINISH	\$0.00 <sup>1</sup>
9P22001 <sup>1</sup>	PUSHER AXLE WHEELS - 22.5x9.0" ALUMINUM HP, 5.96" INSET, ALCOA #894657 LV1 FINISH	\$0.00 <sup>1</sup>
9P30002 <sup>1</sup>	PUSHER AXLE WHEEL POLISH - POLISHING - SINGLE ALUMINUM DISC WHEELS	\$80.00 <sup>1</sup>
9P30001 <sup>1</sup>	PUSHER AXLE WHEEL POLISH - DURA BRIGHT FINISH	\$530.00 <sup>1</sup>
9P4062 <sup>1</sup>	PUSHER AXLE TIRE SIZE - 11R22.5H	\$0.00 <sup>1</sup>
9P4111 <sup>1</sup>	PUSHER AXLE TIRE SIZE - 255/70R22.5H	\$0.00 <sup>1</sup>
9P40003 <sup>1</sup>	PUSHER AXLE TIRE SIZE - 275/70R22.5J	\$0.00 <sup>1</sup>
9P4469 <sup>1</sup>	PUSHER AXLE TIRE SIZE - 315/80R22.5L	\$0.00 <sup>1</sup>
9P4466 <sup>1</sup>	PUSHER AXLE TIRE SIZE - 385/65R22.5J	\$0.00 <sup>1</sup>
9P40005 <sup>1</sup>	PUSHER AXLE TIRE SIZE - 285/70R19.5H	\$0.00 <sup>1</sup>
9P50042 <sup>1</sup>	PUSHER AXLE TIRE TREAD - GOODYEAR G661 HSA	\$0.00 <sup>1</sup>
9P50039 <sup>1</sup>	PUSHER AXLE TIRE TREAD - GOODYEAR G289 WHA	\$0.00 <sup>1</sup>
9P50031 <sup>1</sup>	PUSHER AXLE TIRE TREAD - GOODYEAR G289 WHA W/ DURASEAL XXXX	\$0.00 <sup>1</sup>
9P50001 <sup>1</sup>	PUSHER AXLE TIRE TREAD - MICHELIN XZY-3	\$0.00 <sup>1</sup>
9P5420 <sup>1</sup>	PUSHER AXLE TIRE TREAD - MICHELIN XZE	\$0.00 <sup>1</sup>
9P50015 <sup>1</sup>	PUSHER AXLE TIRE TREAD - MICHELIN XZE2+	\$0.00 <sup>1</sup>
9P50046 <sup>1</sup>	PUSHER AXLE TIRE TREAD - MICHELIN XZUS 2	\$0.00 <sup>1</sup>
9T20014 <sup>1</sup>	TAG AXLE WHEELS - 22.5X8.25" STEEL, HP, 6.18" INSET, 5HH	\$0.00 <sup>1</sup>
9T20015 <sup>1</sup>	TAG AXLE WHEELS - 22.5X9.0" STEEL, HP, 5.25" INSET, 5HH	\$0.00 <sup>1</sup>
9T20016 <sup>1</sup>	TAG AXLE WHEELS - 22.5X9.0" STEEL, HP, 6.41" INSET, 5HH	\$0.00 <sup>1</sup>
9T20004 <sup>1</sup>	TAG AXLE WHEELS - 22.5X9.0" STEEL, HP, 7.0" OFFSET, 5HH, ACCURIDE #29300 XXXX	\$0.00 <sup>1</sup>
9T20011 <sup>1</sup>	TAG AXLE WHEELS - 19.5X7.5" ALUMINUM HP, 5.38" INSET, ACCURIDE #29685A	\$0.00 <sup>1</sup>
9T20005 <sup>1</sup>	TAG AXLE WHEELS - 22.5x8.25" ALUMINUM HP, 6.59" OFFSET, ACCURIDE #41644	\$0.00 <sup>1</sup>
9T22003 <sup>1</sup>	TAG AXLE WHEELS - 22.5X9.0" ALUMINUM HP, 7.0" OFFSET, ACCURIDE #29730 XXXX	\$0.00 <sup>1</sup>
9T20022 <sup>1</sup>	TAG AXLE WHEELS - 22.5X8.25" ALUMINUM HP, 5.79" INSET, ALCOA #883677 LV1 FINISH	\$0.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

9T2001 <sup>1</sup>	TAG AXLE WHEELS - 22.5x9.0" ALUMINUM HP, 5.96" INSET, ALCOA #894657 LV1 FINISH	\$0.00 <sup>1</sup>
9T20031 <sup>1</sup>	TAG AXLE WHEELS - 22.5x12.25" ALUMINUM HP, 4.68" INSET, ALCOA #824627 LV1 FINISH	\$0.00 <sup>1</sup>
9T30002 <sup>1</sup>	TAG AXLE WHEEL POLISH - XXXX POLISHING - SINGLE ALUMINUM DISC WHEELS	\$80.00 <sup>1</sup>
9T30001 <sup>1</sup>	TAG AXLE WHEEL POLISH - XXXX DURA BRIGHT FINISH	\$530.00 <sup>1</sup>
9T4062 <sup>1</sup>	TAG AXLE TIRE SIZE - 11R22.5H	\$0.00 <sup>1</sup>
9T4111 <sup>1</sup>	TAG AXLE TIRE SIZE - 255/70R22.5H	\$0.00 <sup>1</sup>
9T40003 <sup>1</sup>	TAG AXLE TIRE SIZE - 275/70R22.5J	\$0.00 <sup>1</sup>
9T4469 <sup>1</sup>	TAG AXLE TIRE SIZE - 315/80R22.5L	\$0.00 <sup>1</sup>
9T4466 <sup>1</sup>	TAG AXLE TIRE SIZE - 385/65R22.5J	\$0.00 <sup>1</sup>
9T40005 <sup>1</sup>	TAG AXLE TIRE SIZE - 285/70R19.5H XXXX	\$0.00 <sup>1</sup>
9T50042 <sup>1</sup>	TAG AXLE TIRE TREAD - GOODYEAR G661 HSA	\$0.00 <sup>1</sup>
9T50039 <sup>1</sup>	TAG AXLE TIRE TREAD - GOODYEAR G289 WHA	\$0.00 <sup>1</sup>
9T50031 <sup>1</sup>	TAG AXLE TIRE TREAD - GOODYEAR G289 WHA W/ DURASEAL XXXX	\$0.00 <sup>1</sup>
9T50001 <sup>1</sup>	TAG AXLE TIRE TREAD - MICHELIN XZY-3 XXXX	\$0.00 <sup>1</sup>
9T5420 <sup>1</sup>	TAG AXLE TIRE TREAD - MICHELIN XZE XXXX	\$0.00 <sup>1</sup>
9T50015 <sup>1</sup>	TAG AXLE TIRE TREAD - MICHELIN XZE2+ XXXX	\$0.00 <sup>1</sup>
9T50046 <sup>1</sup>	TAG AXLE TIRE TREAD - MICHELIN XZUS 2	\$0.00 <sup>1</sup>
9T50059 <sup>1</sup>	TAG AXLE TIRE TREAD - BRIDGESTONE M860A	\$0.00 <sup>1</sup>
9500021 <sup>1</sup>	CAB PAINT SCHEME - 2 COLOR, 1 BREAK PAINT SCHEME	\$35.00 <sup>1</sup>
9500022 <sup>1</sup>	CAB PAINT SCHEME - 2 COLOR, 2 BREAK PAINT SCHEME	\$70.00 <sup>1</sup>
9500023 <sup>1</sup>	CAB PAINT SCHEME - 2 COLOR, 3 BREAK PAINT SCHEME	\$105.00 <sup>1</sup>
9500024 <sup>1</sup>	CAB PAINT SCHEME - 2 COLOR, 4 BREAK PAINT SCHEME	\$140.00 <sup>1</sup>
9500026 <sup>1</sup>	CAB PAINT SCHEME - 2 COLOR, 6 BREAK PAINT SCHEME	\$210.00 <sup>1</sup>
9500032 <sup>1</sup>	CAB PAINT SCHEME - 3 COLOR, 2 BREAK PAINT SCHEME	\$70.00 <sup>1</sup>
9500033 <sup>1</sup>	CAB PAINT SCHEME - 3 COLOR, 3 BREAK PAINT SCHEME	\$105.00 <sup>1</sup>
9500034 <sup>1</sup>	CAB PAINT SCHEME - 3 COLOR, 4 BREAK PAINT SCHEME	\$140.00 <sup>1</sup>
9500035 <sup>1</sup>	CAB PAINT SCHEME - 3 COLOR, 5 BREAK PAINT SCHEME	\$175.00 <sup>1</sup>
9500036 <sup>1</sup>	CAB PAINT SCHEME - 3 COLOR, 6 BREAK PAINT SCHEME	\$210.00 <sup>1</sup>
9500044 <sup>1</sup>	CAB PAINT SCHEME - 4 COLOR, 4 BREAK PAINT SCHEME	\$140.00 <sup>1</sup>
9550002 <sup>1</sup>	CAB FIRST COLOR OTHER THAN STD, NON METALLIC	\$300.00 <sup>1</sup>
9550003 <sup>1</sup>	CAB FIRST COLOR, METALLIC	\$375.00 <sup>1</sup>
9801000 <sup>1</sup>	CAB COLOR-FIRST - UNAPPROVED--PLEASE SPECIFY COLOR	\$0.00 <sup>1</sup>
9811000 <sup>1</sup>	CAB COLOR-SECOND - UNAPPROVED--PLEASE SPECIFY COLOR	\$750.00 <sup>1</sup>
9821000 <sup>1</sup>	CAB COLOR-THIRD - UNAPPROVED--PLEASE SPECIFY COLOR	\$390.00 <sup>1</sup>
9831000 <sup>1</sup>	CAB COLOR-FOURTH - UNAPPROVED--PLEASE SPECIFY COLOR	\$325.00 <sup>1</sup>

<b>VEHICLE:</b>	ACX 64			
<b>DEALER:</b>	Young's Truck Center	Young's Truck Center	Young's Truck Center	Young's Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$130,203.20	\$130,203.20	\$130,203.20	\$130,203.20

9860001 <sup>1</sup>	CHASSIS COLOR OTHER THAN STD. - SPECIFY	\$250.00 <sup>1</sup>
9870001 <sup>1</sup>	BUMPER COLOR DIFFERENT THAN CHASSIS - SPECIFY	\$135.00 <sup>1</sup>
988949 <sup>1</sup>	DISC WHEEL OR RIM COLOR - STEEL, E-COAT GREY/ ALUM-UNPAINTED	\$0.00 <sup>1</sup>
9880001 <sup>1</sup>	DISC WHEEL OR RIM COLOR - CUSTOM COLOR - SPECIFY (PRICE PER WHEEL)	\$170.00 <sup>1</sup>
8992000 <sup>1</sup>	CHASSIS WARRANTY - BASIC WARRANTY TERM EXT 24 MONTH / 200,000 MILES / 6000 HR	\$2,800.00 <sup>1</sup>
899A806 <sup>1</sup>	TRANSMISSION WARRANTY - ALLISON 5YR. EDGE WARRANTY	\$980.00 <sup>1</sup>
899A007 <sup>1</sup>	TRANSMISSION WARRANTY - ALLISON 5YR. EDGE WARRANTY W/ TRANS RETARDER	\$1,089.00 <sup>1</sup>
899B206 <sup>1</sup>	ENGINE WARRANTY - CUMMINS ISL-D PP1 DC1 5 YEAR / 200,000 MILES 131156	\$3,600.00 <sup>1</sup>
899B203 <sup>1</sup>	ENGINE WARRANTY - CUMMINS ISX-G PP1 GT1 5 YEAR / 200,000 MILES 324095	\$3,175.00 <sup>1</sup>
899B202 <sup>1</sup>	ENGINE WARRANTY - CUMMINS ISX-G PP1 GT1 5 YEAR / 150,000 MILES 324095	\$2,950.00 <sup>1</sup>
899B201 <sup>1</sup>	ENGINE WARRANTY - CUMMINS ISX-D PP2 DC2 5 YEAR / 300,000 MILES 136516	\$950.00 <sup>1</sup>
899B200 <sup>1</sup>	ENGINE WARRANTY - CUMMINS ISX-D PP1 DC1 5 YEAR / 300,000 MILES 136416	\$1,550.00 <sup>1</sup>
899B204 <sup>1</sup>	ENGINE WARRANTY - CUMMINS ISX-G PP1 GT1 5 YEAR / 300,000 MILES 324095	\$5,225.00 <sup>1</sup>
899B052 <sup>1</sup>	ENGINE WARRANTY - 2015 ISL-G GT1 5YRS/200K MILES EXTENDED WARRANTY PP1	\$5,000.00 <sup>1</sup>
89B051 <sup>1</sup>	ENGINE WARRANTY - 2015 ISL-G GT1 5YRS/150K MILES EXTENDED WARRANTY PP1	\$3,400.00 <sup>1</sup>
899B056 <sup>1</sup>	ENGINE WARRANTY - 2013 ISL DC1 5YRS/200K MILES EXTENDED WARRANTY PP1	\$3,600.00 <sup>1</sup>
899B041 <sup>1</sup>	ENGINE WARRANTY - 2013 ISL DC2 5YRS/150K MILES EXTENDED WARRANTY PP2	\$1,650.00 <sup>1</sup>
899B040 <sup>1</sup>	ENGINE WARRANTY - 2013 ISL DC1 5YRS/150K MILES EXTENDED WARRANTY PP1	\$2,700.00 <sup>1</sup>
899K206 <sup>1</sup>	EXHAUST AFTERTREATMENT EXTENDED WARRANTIES - 2016 ISL-D AT3 AFTERTREATMENT 5 YEAR / 200,000 MILES 131445	\$875.00 <sup>1</sup>
899K002 <sup>1</sup>	EXHAUST AFTERTREATMENT EXTENDED WARRANTIES - 2013 ISL AT3 AFTERTREATMENT 5YRS/150K MILES EXTENDED WARRANTY	\$700.00 <sup>1</sup>
899K003 <sup>1</sup>	EXHAUST AFTERTREATMENT EXTENDED WARRANTIES - 2013 ISX AT3 AFTERTREATMENT 5YRS/300K MILES EXTENDED WARRANTY	\$875.00 <sup>1</sup>
949001 <sup>1</sup>	OUTSIDE MODIFICATION - ADMIN FEE	\$25.00 <sup>1</sup>
9490002 <sup>1</sup>	AGILITY INSTALLED NG FUEL SYSTEM AT BRAUN'S, DISTRIBUTOR CONTRACTED	\$500.00 <sup>1</sup>
4230001 <sup>1</sup>	LH MOUNTED CNG FUEL MANAGEMENT MODULE	\$8,000.00 <sup>1</sup>
9720005 <sup>1</sup>	CERTIFICATION-EMISSIONS - COMPLIES WITH 2013 U.S. EMISSIONS	\$0.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>CRANE CARRIER - 2017 LET2-26 (Specification #04)</u></a>			
Southern Truck Service Inc	2017 Crane Carrier LET2-26	★Appalachia	\$133,400.00
Southern Truck Service Inc	2017 Crane Carrier LET2-26	★Dogwood	\$133,400.00
Southern Truck Service Inc	2017 Crane Carrier LET2-26	★Cardinal	\$133,400.00
Southern Truck Service Inc	2017 Crane Carrier LET2-26	★Longleaf Pine	\$133,400.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **CRANE CARRIER - 2017 LET2-26** **SPECIFICATION #4**

2017 Crane Carrier LET2-26

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. ENGINE

a. Cummins ISL9-270HP 800Lbs. Ft Torque @ 1,300 RPM

2. AIR COMPRESSOR

a. Cummins-Wabco 18.7 CFN

3. COOLING SYSTEMS

a. 1,814 Sq. In. Remote Mounted Radiator

4. BATTERIES

a. (2) Two GRP 31, 925 CCA Each

5. STARTER

a. Heavy Duty Soft Start

6. ALTERNATOR

a. Leece-Neville, 160 AMP

7. FUEL TANK

a. 60 Gallon Steel Tank Mounted Right Side

8. FUEL FILTER/SEPARATOR

a. Cummins Brand 12 Volt Heated

9. TRANSMISSION (ALL TRANSMISSION SELECTIONS SUBJECT TO CCC FACTORY AND ALLISON APPROVAL)

a. Allison 3,500 RDS 5-Speed Automatic Transmission

10. CONTROLS

- a. left Side Push Button Control
- b. Dual Push Button Control (Standard with Dual Drive)

11. PROPSHAFTS

a. Spicer Life Series SPL-170

12. FRONT AXLE

a. Dana Spicer D2000F 20,000 Lb. Capacity

13. BRAKES

- a. Dana Spicer 16.5 X 7 Inch Wide Brake Package

14. SLACK ADJUSTER

- a. Automatic Slack Adjuster

15. WHEELS (INCLUDES LEFT AND RIGHT SIDES)

- a. Hub-Steel Disc 22.5 X 9 Inch

16. TIRES (CONSULT AWARDED DEALER FOR OPTIONAL TIRE PRICING)

- a. 315/80 R22.5 Bridgestone M860L/20 PLY

17. SPARE TIRES

- a. (Consult Awarded Dealer for Spare Tire Pricing)

18. FRONT SUSPENSION

- a. Parabolic Taper-Leaf 17,000 LB Capacity

19. STEERING POSITION

- a. Left Side Only

20. REAR AXLE

- a. Dana S26-190 26,000 LB Capacity (Reyco 102CC 26,000 LB Suspension Standard)

21. REAR BRAKES

- a. Dana Spicer 16.5 X 7 Inch

22. REAR AXLE WHEELS (INCLUDES LEFT AND RIGHT BOTH AXLES)

- a. Hub-Steel Disc 22.5 X 8.25 Inch

23. REAR AXLE TIRES (CONSULT DEALER FOR OPTIONAL TIRE PRICING)

- a. 11R 22.5 Bridgestone R250ED H/16 ply

24. REAR AXLE SPARE TIRES

- a. Consult awarded dealer for spare tire pricing.

25. REAR AXLE RATIO/MAXIMUM SPEED

- a. Consult awarded dealer for pricing.

26. REAR AXLE SLACK ADJUSTER

- a. Automatic

27. REAR SUSPENSION

- a. Single Axle - Reyco 102CC 26,000 LB Capacity without shocks

28. FRAME

- a. 25 ft. Single Rail RBM 2,233,200

29. BUMPER

- a. Painted Steel

30. ABS SYSTEM

- a. 4S /4M



31. AIR TANKS
  - a. 3 Steel Tanks
32. DRAIN VALVES
  - a. Centralized Manifold with Drain Valves
33. AIR DRYER
  - a. Bendix B/W AD-9EP, Heated
34. CAB CONSTRUCTION
  - a. Regular Two Man Cab (Includes Left and Right 2-way Adjustable Seats)
35. CAB/TILT PUMP
  - a. Regular Two Man Cab Manual Cab Tilt Pump
36. CAB EXTERIOR
  - a. Mirrors - Solid Doors - 16" X 7" SS West Coast "A"
  - b. Mirrors - Bi-Fold Doors - 16" X 7" SS West Coast w/ Combo "A"
37. CAB INTERIOR
  - a. Seats - 2-Way Adjustable, Black Vinyl
38. DOORS
  - a. Left and Right Solid-Manual Windows
39. INSTRUMENTATION
  - a. Full Left Side OEM Instrumentation Package
40. WINDSHIELD WIPERS
  - a. Intermittent Type
41. CAB ELECTRICAL AND LIGHTING
  - a. Daytime Running Lights
  - b. LED Cab Clearance, Marker & Turn Signals
  - c. Back-up Alarm
  - d. Warn or Equal 107dB
42. PAINT (CONSULT AWARDED DEALER FOR CUSTOM PAINT PRICING)
  - a. Cab - White, Paint #N0007
  - b. Cab - Bumper, Black #N0001
  - c. Cab - Frame, Black #N0001
  - d. Cab - Battery Box, Black #N0001
  - e. Cab - Fuel Tank, Black #N0001
  - f. Cab - Wheels, Gray Powder-Coat



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **CRANE CARRIER - 2017 LET2-26 SPECIFICATION #4**

#### **2017 Crane Carrier LET2-26**

The Crane Carrier LET2-26 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	LET2-26			
<b>DEALER:</b>	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Order Code	Delete Options	All Zones
	Front Axle - Dana Spicer E1322W 13,200 Lb Capacity	\$201.00
	Front Suspension - Multi-Leaf Spring 13,000 LB Capacity	\$46.00
	Front Suspension - Parabolic Taper-Leaf 14,000 LB Capacity	\$15.00

Order Code	Add Options	All Zones
	Engine - Cummins ISL9-300 HP 860 Lbs. Ft. Torque @ 1,300 RPM	\$1,240.00
	Engine - Cummins ISL9-330 HP 1,000 Lbs. Ft. Torque @ 1,400 RPM (May require 4000 series transmission-CONSULT AWARDED DEALER)	\$2,695.00
	Engine - Cummins ISL9-345 HP 1,150 Lbs. Ft. Torque @ 1,400 RPM (May require 4000 series transmission-CONSULT AWARDED DEALER)	\$4,516.00
	Engine - Cummins ISL9-370 HP 1,250 Lbs. Ft. Torque @ 1,400 RPM (REQUIRES 4000 series transmission-CONSULT AWARDED DEALER)	\$7,064.00
	Engine - Cummins ISL9-380 HP 1,300 Lbs. Ft. Torque @ 1,400 RPM (REQUIRES 4000 series transmission-CONSULT AWARDED DEALER)	\$7,429.00
	Engine - Cummins ISX12-320 HP 1,150 Lbs. Ft. Torque @ 1,200 RPM (REQUIRES 4000 series transmission-CONSULT AWARDED DEALER)	\$18,790.00
	Engine - Cummins ISX12-350 HP 1,450 Lbs. Ft. Torque @ 1,400 RPM (REQUIRES 4000 series transmission-CONSULT AWARDED DEALER)	\$19,300.00
	Engine - Cummins ISX12-385 HP 1,450 Lbs. Ft. Torque @ 1,400 RPM (REQUIRES 4000 series transmission-CONSULT AWARDED DEALER)	\$20,028.00
	Engine - Cummins ISX12-350 HP 1,450 Lbs. Ft. Torque @ 1,400 RPM (REQUIRES 4000 series transmission-CONSULT AWARDED DEALER)	\$19,300.00
	Engine - Cummins Compressed Natural Gas (CNG) Engines Available - Please consult awarded dealer	NA
	Engine Accessories - Custom Location for Standard 10 Gallon Heated DEF Tank	\$152.00
	Engine Accessories - 1,500 Watt Block Heater with Indicator Light(Designate 120 or 240 Volt)	\$256.00
	Cooling Systems - 40 Degrees Below Zero Anti-Freeze(Standard 34 Degrees Below Zero Anti-Freeze)	\$74.00
	Cooling Systems - Remote Radiator Filler with Cover	\$384.00
	Air Intake - Parker 13 Inch Aluminum Intake(Standard 13 Inch STEEL Intake)	\$126.00
	Air Intake - Filter Minder Dash Mounted(Filter Mount Standard)	\$59.00
	Air Intake - Donaldson Pre-Cleaner	\$292.00
	Exhaust - Left Hand Flared Elbow, Chrome(Painted Standard)	\$255.00
	Exhaust - Left Hand Vertical Diffuser	\$330.00
	Batteries - (3) Three GRP 31, 925 CCA Each	\$326.00
	Batteries - (4) Four GRP 31, 925 CCA Each (Includes larger battery box with cover)	\$676.00
	Batteries - Custom Location	\$164.00
	Batteries - Retainer Cable on Battery Box	\$31.00

<b>VEHICLE:</b>	LET2-26			
<b>DEALER:</b>	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Batteries - Remote Jump-Start Connector Mounted to Box with 20 Ft. Cable	\$659.00
Batteries - Remote Jump-Starter Connector Mounted to Fender with 20 Ft. Cable	\$728.00
Batteries - Flaming River Battery Disconnect Switch <i>This switch, or optional Disconnect Switch with Pilot Light Recommended <sup>1</sup></i>	\$147.00 <sup>1</sup>
Batteries - Flaming River Battery Disconnect Switch with Pilot Light	\$202.00
Alternator - Delco-Remy 24SI, 160 AMP	\$281.00
Alternator - Delco-Remy 36SI, 165 AMP	\$384.00
Alternator - Leece-Neville 4951/PGH, 200 AMP	\$414.00
Alternator - Leece-Neville, 210 AMP	\$133.00
Fuel Tanks - Custom Location	\$164.00
Fuel Tanks - 80 Gallon Steel Round Tank	\$111.00
Fuel Tanks - 60 Gallon Aluminum Round Tank	\$217.00
Fuel Tanks - 80 Gallon Aluminum Round Tank	\$289.00
Fuel Tanks - Protectoseal Fill Neck 4 Inch	\$312.00
Transmission - Allison 3,000 RDS 5-Speed Automatic Transmission *All Transmission Selections Subject to CCC Factory and Allison Approval	\$256.00
Transmission - Allison 4,000 RDS 5-Speed Automatic Transmission *All Transmission Selections Subject to CCC Factory and Allison Approval	\$10,738.00
Transmission - Allison 4,500 RDS 5-Speed Automatic Transmission *All Transmission Selections Subject to CCC Factory and Allison Approval	\$12,049.00
Transmission - 6-Speed In Lieu of 5-Speed Standard*All Transmission Selections Subject to CCC Factory and Allison Approval	\$142.00
Transmission Retarders - 3,000 Series Transmission Retarder	\$7,207.00
Transmission Retarders - 3,500 Series Transmission Retarder	\$7,207.00
Transmission Retarders - 4,000 Series Transmission Retarder	\$8,740.00
Transmission Retarders - 4,500 Series Transmission Retarder	\$8,740.00
Controls - Right Side Push Button Control (No Additional Charge)	NC
Controls - Single Lever Control (Left or Right)	\$201.00
Controls - Dual Lever Control	\$383.00
NIS/Auto Neutral - Auto Neutral System/AG Function <i>This Auto-Neutral typically for "Workbrake" systems on rear and side semi-automated side loaders. <sup>1</sup></i>	\$540.00 <sup>1</sup>
NIS/Auto Neutral - Forced Neutral System/AG Function <i>This Forced-Neutral system typically used for Front Loaders by service brake pedal application. <sup>1</sup></i>	\$292.00 <sup>1</sup>
NIS/Auto Neutral - Forced Neutral System/AK Function <i>This Forced-Neutral system typically used for Automated Side Loaders with activation by movement of grabber arm or similar method. <sup>1</sup></i>	\$220.00 <sup>1</sup>
Front Axle - Dana Spicer E1462W 14,600 Lb. Capacity	\$531.00
Brakes - Bendix ADB22X Disc Brakes	\$1,312.00
Wheels (Includes Left and Right Sides) - Hub-Steel Disc 22.5 X 8.25 Inch	Incl.

<b>VEHICLE:</b>	LET2-26			
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<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Wheels (Includes Left and Right Sides) - Hub-Steel Disc 22.5 X 12.25 Inch	Incl.
Wheels (Includes Left and Right Sides) - Hub-Steel Disc 22.5 X 13 Inch	Incl.
Wheels (Includes Left and Right Sides) - Hub-Steel Disc 24.5 X 8.25 Inch	Incl.
Wheels (Includes Left and Right Sides) -Aluminum Hub 22.5 X 8.25 Inch	\$132.00
Wheels (Includes Left and Right Sides) -Aluminum Hub 22.5 X 9 Inch	\$186.00
Wheels (Includes Left and Right Sides) - Aluminum Hub 22.5 X 12.25 Inch	\$285.00
Wheels (Includes Left and Right Sides) - Aluminum Hub 22.5 X 13 Inch	\$516.00
Spare Wheels - Hub Steel Disc 22.5 X 8.25 Inch	\$127.00
Spare Wheels - Hub Steel Disc 22.5 X 9 Inch	\$189.00
Spare Wheels - Hub Steel Disc 22.5 X 12.25 Inch	\$534.00
Spare Wheels - Hub Steel Disc 22.5 X 13 Inch	\$645.00
Spare Wheels - Hub Steel Disc 24.5 X 8.25 Inch	\$186.00
Spare Wheels - Aluminum Hub 22.5 X 8.25 Inch	\$243.00
Spare Wheels - Aluminum Hub 22.5 X 9 Inch	\$386.00
Spare Wheels - Aluminum Hub 22.5 X 12.25 Inch	\$327.00
Spare Wheels - Aluminum Hub 22.5 X 13 Inch	\$426.00
Front Suspension - Parabolic Taper-Leaf 20,000 LB Capacity	\$183.00
Front Suspension - Multi-Leaf Spring 23,000 LB Capacity	\$340.00
Steering Position - Right Side Only, Sit Down (Included Solid Door)	\$368.00
Steering Position - Right Side Stand Up Dual Drive (Includes Right Side Flip Seat and Bi-fold Door)	\$3,352.00
Steering Position - Right Side Sit Down Dual Drive (Includes Right Side Two-Way Adjustable Seat and Solid Door)	\$3,606.00
Rear Axle - Single Axle - Dana S23-190 23,000 LB Capacity (Reyco 102CC 23,000 LB Suspension Standard)	\$133.00
Rear Axle - Single Axle - Dana S30-190 30,000 LB Capacity (Reyco 102CC 30,000 LB Suspension Standard)	\$2,477.00
Rear Axle - Tandem Axle - Dana DS H44-P 44,000 LB Capacity <i>Hendrickson HN-462 46,000 lbs. cap. suspension included</i> <sup>1</sup>	\$10,450.00 <sup>1</sup>
Rear Axle - Tandem Rear Axle - Dana DS H44-P 44,000 LB Capacity (Hendrickson HN-462 46,000 LB Suspension Included)	\$10,450.00
Rear Axle - Tandem Rear Axle - Dana D46-170P 46,000 LB Capacity (Hendrickson HN-462 46,000 LB Suspension Included)	\$12,462.00
Rear Axle - Tandem Rear Axle - Dana D52-190P 52,000 LB Capacity (Hendrickson HN-522 52,000 LB Suspension Included) <i>Single reduction</i> <sup>1</sup>	\$14,077.00 <sup>1</sup>
Rear Axle - Tandem Rear Axle - Dana D52-590P 52,000 LB Capacity (Hendrickson HN-522 52,000 LB Suspension Included) <i>Double reduction</i> <sup>1</sup>	\$15,898.00 <sup>1</sup>

<b>VEHICLE:</b>	LET2-26			
<b>DEALER:</b>	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Rear Axle - Steerable Tandem Rear Axle and Suspension - Ridewell RDS - 209 60/40 46,000 LB Steerable Rear Suspension with Dana S26-190 Axle, In Lieu of Dana D46-170P 46,000 Standard Tandem Rear Non-Steer Axle (steerable rear axle includes 5.57 axle ratio, wide rear brake package, 315/80R 22.5 tires and automatic traction control)*Contact dealer for additional steerable rear axle options and information.	\$506.00
Rear Brakes - Dana Spicer 16.5 X 8.62 Inch Wide Brake Package	\$366.00
Rear Brakes - Bendix ADB22X 40-46,000LB Capacity Disc Brakes	\$3,133.00
Rear Brakes - Bendix ADB22X 52,000LB Capacity Disc Brakes	\$3,344.00
Rear Axle Wheels (Includes Left and Right both Axles)- Hub-Steel Disc 22.5 X 9 Inch	Incl.
Rear Axle Wheels (Includes Left and Right both Axles)- Hub-Steel Disc 24.5 X 8.25 Inch	Incl.
Rear Axle Wheels (Includes Left and Right both Axles)- Hub-Steel Disc 22.5 X 12.25 Inch	Incl.
Rear Axle Wheels (Includes Left and Right both Axles)- Hub-Steel Disc 22.5 X 13 Inch	Incl.
Rear Axle Wheels (Includes Left and Right both Axles)- Aluminum-Hub 22.5 X 8.25 Inch	\$979.00
Rear Axle Wheels (Includes Left and Right both Axles)- Aluminum-Hub 22.5 X 9 Inch	\$1,199.00
Rear Axle Wheels (Includes Left and Right both Axles)- Aluminum-Hub 22.5 X 13 Inch	\$818.00
Rear Axle Spare Wheels - Hub-Steel Disc 22.5 X 8.25 Inch	\$127.00
Rear Axle Spare Wheels - Hub-Steel Disc 22.5 X 9 Inch	\$293.00
Rear Axle Spare Wheels - Hub-Steel Disc 24.5 X 8.25 Inch	\$186.00
Rear Axle Spare Wheels - Hub-Steel Disc 22.5 X 12.25 Inch	\$483.00
Rear Axle Spare Wheels - Hub-Steel Disc 22.5 X 13 Inch	\$645.00
Rear Axle Spare Wheels - Aluminum-Hub 22.5 X 8.25 Inch	\$242.00
Rear Axle Spare Wheels - Aluminum-Hub 22.5 X 9 Inch	\$285.00
Rear Axle Spare Wheels - Aluminum-Hub 22.5 X 13 Inch	\$426.00
Rear Suspension - Single Axle - Reyco 102CC 30,000 LB Capacity without shocks (Chalmers suspension available- consult awarded dealer for pricing)	NC
Rear Suspension- Tandem Axle - Hendrickson HN-462 46,000 LB Capacity with Shocks (Chalmers suspension available- consult awarded dealer for pricing)	\$371.00
Rear Suspension - Tandem Axle - Hendrickson HNX-460 46,000 LB Capacity with Shocks (Chalmers suspension available- consult awarded dealer for pricing)	\$675.00
Rear Suspension - Tandem Axle - Hendrickson HN-522 52,000 LB Capacity with Shocks (Chalmers suspension available- consult awarded dealer for pricing)	\$734.00
Tag-Pusher Axles - Watson & Chalen Non-Steer Pusher Axle 13,000 LB Capacity Single Wheel and Tire 11R22.5 16 ply	\$6,337.00
Tag-Pusher Axles - Watson & Chalen Non-Steer Pusher Axle 20,000 LB Capacity Single Wheel and Tire 11R22.5 16 ply	\$7,429.00
Tag-Pusher Axles - Watson & Chalen Non-Steer Tag Axle 13,000 LB Capacity Single Wheel and Tire 11R22.5 16 ply	\$6,446.00
Tag-Pusher Axles - Watson & Chalen Non-Steer Tag Axle 20,000 LB Capacity Single Wheel and Tire 11R22.5 16 ply	\$7,265.00

<b>VEHICLE:</b>	LET2-26			
<b>DEALER:</b>	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Tag-Pusher Axles - Watson & Chalen Steerable Tag Axle 13,000 LB Capacity Single Wheel and Tire 11R22.5 16 ply	\$7,102.00
Frame - 25 ft. Double Rail RBM 3,369,600	\$1,295.00
Frame - 30 ft. Single Rail RBM 2,233,200	\$431.00
Frame - 30 ft. Double Rail RBM 3,369,600	\$1,531.00
Frame - Drop Frame - (Includes Dual Steering with Stand-up Right Side Drive Position, Adjustable Flip-up/Fold-Down Seats for Stand-up Drive, Right Side Bi-Fold Door, Right Side Grab Handle, Combo Style Mirrors, Right Side Service Brake, Parking Brake, and Basic Right Side Instrumentation)	\$10,950.00
Bumper - Swept Back Painted Steel Bumper One Piece	\$492.00
Bumper - Swept Back Painted Steel Bumper Three Piece	\$1,323.00
Bumper - 2-Way Snow Plow, Pin Style	\$6,227.00
Bumper - 2-Way Snow Plow, Socket Style	\$5,937.00
Bumper - 4-Way Snow Plow, Pin Style	\$7,539.00
Wheel Base - 188 Inch	\$605.00
Wheel Base - 194 Inch	\$605.00
Wheel Base - 200 Inch	\$605.00
Wheel Base - 206 Inch	\$605.00
Wheel Base - 212 Inch	\$605.00
Wheel Base - 218 Inch	\$740.00
Wheel Base - 224 Inch	\$740.00
Wheel Base - 230 Inch	\$740.00
Wheel Base - 236 Inch	\$740.00
Wheel Base - 242 Inch	\$740.00
Wheel Base - 248 Inch	\$740.00
ABS System - 6S /6M	\$508.00
Drain Valves - Bendix DV-2 Non-Heated, Wet Tank	\$60.00
Drain Valves - Bendix DV-2 Non-Heated, All Three Tanks	\$174.00
Drain Valves - Bendix DV-2 Heated, Wet Tank	\$130.00
Drain Valves - Bendix DV-2 Heated, All Three Tanks	\$386.00
Air Dryer - Bendix B/W AD-IP EP, Heated	\$256.00
Air Dryer - Wabco System Saver 1800, Heated	\$217.00
Air Dryer - Accessories - Schrader Valve, Dryer Location	\$65.00
Air Dryer - Accessories - Schrader Valve, Bumper Location	\$169.00
Cab Construction - Crew Cab with 4 Person AC Standard Seating (Includes Left and Right 2-way Adjustable Seats and Center Bench)	\$5,984.00
Cab Construction - Crew Cab with 4 Person FG Optional Arrangement Seating (Includes Left and Right 2-way Adjustable Seats and Center Bench)	\$6,372.00

<b>VEHICLE:</b>	LET2-26			
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<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Cab Construction - Crew Cab with 4 Person H Arrangement Seating (Includes Left and Right 2-way Adjustable Seats)	\$6,239.00
Cab/Tilt Pump - 12 Volt Cab Tilt Assist Pump	\$537.00
Cab Exterior - Horns - Dual Tone Air Horns Under Cab	\$234.00
Cab Exterior - Horns - 2 Trumpets Dual Air Horns - Mounted Cab Roof	\$329.00
Cab Exterior - Mirrors - Solid Doors - 16" X 7" SS West Coast Heated "B" Each <sup>1</sup>	\$146.00 <sup>1</sup>
Cab Exterior - Mirrors - Solid Doors - 19" X 8" Black Split Lens "C" Each <sup>1</sup>	\$55.00 <sup>1</sup>
Cab Exterior - Mirrors - Solid Doors - 19" X 8" Black 4-Way Electric Adj. Split Lens Heated w/ Signal Each <sup>1</sup>	\$438.00 <sup>1</sup>
Cab Exterior - Mirrors - Bi-Fold Doors - 16" X 7" SS West Coast w/ Combo Heated "B" Each <sup>1</sup>	\$146.00 <sup>1</sup>
Cab Exterior - Mirrors - Bi-Fold Doors - 19" X 8" Black Split Lens with Combo "C" Each <sup>1</sup>	\$55.00 <sup>1</sup>
Cab Exterior - Mirrors - Solid Doors - 19" X 8" Black 4-Way Electric Adj. Split Lens Heated w/Signal Combo Each <sup>1</sup>	\$438.00 <sup>1</sup>
Cab Exterior - Spot Mirrors - 7" X 8" Rectangular Convex Spot (one each side-total 2)	\$61.00
Cab Interior - Dual Cab Fans	\$147.00
Cab Interior - Air Conditioning, Integral Dash Mounted	\$1,527.00
Cab Interior - AM/FM Stereo	\$285.00
Cab Interior - AM/FM Stereo CD Player with Weather Band	\$329.00
Cab Interior - AM/FM Stereo with CD/WB/MP3/WMA/USB and iPod	\$381.00
Cab Interior - Seats- 2-Way Adjustable, Asphalt Gray, Vinyl Weave	\$74.00
Cab Interior - Seats- Flip Up, Fold Down, Black Vinyl	\$508.00
Cab Interior - Seats- Flip Up, Fold Down, Asphalt Gray, Vinyl Weave	\$215.00
Cab Interior - Seats - Sears Sentry Air Ride, Black Vinyl	\$436.00
Cab Interior - Seats - Sears Sentry Air Ride, Asphalt Gray, Vinyl Weave	\$446.00
Cab Interior - Seats - Sears C2 Air Ride, Black Vinyl	\$277.00
Cab Interior - Seats - Sears C2 Air Ride, Asphalt Gray, Vinyl Weave	\$338.00
Doors - Left and Right Solid-Electric Windows	\$435.00
Doors - Bi-Fold Door-Vertical-Sliding Windows	\$362.00
Doors - Flip Up and Fold Back Door-Sliding Windows	\$580.00
Instrumentation - One (1) Engine Oil Temperature Gauge	\$104.00
Instrumentation - Two (2) Engine Oil Temperature Gauges	\$206.00
Instrumentation - One (1) Transmission Oil Temperature Gauge	\$104.00
Instrumentation - Two (2) Transmission Oil Temperature Gauges	\$206.00



<b>VEHICLE:</b>	LET2-26			
<b>DEALER:</b>	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc	Southern Truck Service Inc
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Instrumentation - Full Right Side OEM Instrumentation Package	\$362.00
Cab Electrical and Lighting - Maxximus Strobe System	\$362.00
Cab Electrical and Lighting - Cab Floor Lights	\$67.00
Cab Electrical and Lighting - Four Way Flashers Connected to NIS	\$71.00
Cab Electrical and Lighting - Cigar Lighter	\$93.00
Cab Electrical and Lighting - Second Power Point	\$41.00
Cab Electrical and Lighting - Personal Radio Connection Posts	\$75.00
Cab Electrical and Lighting - Two Way Radio Circuit Wiring in Dash	\$75.00
Cab Electrical and Lighting - Two Way Radio Circuit Wiring in Overhead Console	\$112.00
Miscellaneous Equipment - All Chassis Keyed Alike, 3 Keys	\$35.00
Miscellaneous Equipment - Spare Keys, Two additional spare keys (total of 4)	\$41.00
Miscellaneous Equipment - Spare Keys, Four additional spare keys (total of 6)	\$48.00
Miscellaneous Equipment - Triangle Warning Kit, Loose	\$71.00
Miscellaneous Equipment - Triangle Warning Kit, Mounted	\$101.00
Miscellaneous Equipment - 5 Pound Fire Extinguisher, Loose	\$108.00
Miscellaneous Equipment - 5 Pound Fire Extinguisher, Mounted	\$137.00
Miscellaneous Equipment - 10 Pound Fire Extinguisher, Loose	\$166.00
Miscellaneous Equipment - 10 Pound Fire Extinguisher, Mounted	\$196.00
Miscellaneous Equipment - First Aid Kit, Loose	\$110.00
Miscellaneous Equipment - First Aid Kit, Mounted	\$140.00
Delivery Charges To Body Company - Customer Pick-up *Consult Awarded Dealer for Additional Delivery Locations and Prices	\$314.00
Delivery Charges To Body Company - Fort Payne, AL (Heil)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$2,513.00
Delivery Charges To Body Company- St. Nicholas, QC (Labrie)*Consult Awarded Dealer for Additional Delivery Locations and Prices)	\$2,507.00
Delivery Charges To Body Company - Cedar Falls, IA (Wayne)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$2,210.00
Delivery Charges To Body Company - Guttenberg, IA (Kann)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$2,124.00
Delivery Charges To Body Company - Scranton, IA (New Way)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$2,507.00
Delivery Charges To Body Company - Cynthia, KY (E-Z Pack)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$869.00
Delivery Charges To Body Company - Norway, MI (Loadmaster)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$2,179.00
Delivery Charges To Body Company - Dodge Center, MN (McNeilus)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$2,442.00

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<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$133,400.00	\$133,400.00	\$133,400.00	\$133,400.00

Delivery Charges To Body Company - Somerset, PA (G-S)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$507.00
Delivery Charges To Body Company - Somerset, PA (G-S)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$507.00
Delivery Charges To Body Company - Seguin, TX (Pak-Mor)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$4,408.00
Delivery Charges To Body Company - Seguin, TX (Pak-Mor)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$4,408.00
Delivery Charges To Body Company - Oshkosh, WI (Leach)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$1,830.00
Delivery Charges To Body Company - Oshkosh, WI (Leach)*Consult Awarded Dealer for Additional Delivery Locations and Prices	\$1,830.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>FREIGHTLINER - 108SD (Specification #05)</u></a>			
Carolina Freightliner of Raleigh	2017 Freightliner 108SD	★Appalachia	\$82,033.00
Excel Truck Center	2017 Freightliner 108SD	★Dogwood	\$82,033.00
Carolina Freightliner of Raleigh	2017 Freightliner 108SD	★Cardinal	\$82,033.00
Excel Truck Center	2017 Freightliner 108SD	★Longleaf Pine	\$82,033.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **FREIGHTLINER - 108SD** **SPECIFICATION #5**

2017 Freightliner 108SD

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **PRICE LEVEL**

- a. SD PRL-14D (EFF:10/05/15)

2. **DATA VERSION**

- a. SPECPRO21 DATA RELEASE VER 025

3. **VEHICLE CONFIGURATION**

- a. 108SD CONVENTIONAL CHASSIS (WEIGHT FRONT: 6,829)
- b. 108SD CONVENTIONAL CHASSIS (WEIGHT REAR: 3,748)
- c. 2017 MODEL YEAR SPECIFIED
- d. SET BACK AXLE - TRUCK
- e. STRAIGHT TRUCK PROVISION
- f. LH PRIMARY STEERING LOCATION

4. **GENERAL SERVICE**

- a. TRUCK CONFIGURATION
- b. DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- c. TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- d. MAXIMUM 8% EXPECTED GRADE
- e. SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- f. MEDIUM TRUCK WARRANTY
- g. EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs
- h. EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs
- i. EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 56000.0 lbs

5. **TRUCK SERVICE**

- a. EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in

6. **ENGINE**

- a. CUM ISL 260 HP @ 2000 RPM; 2200 GOV RPM, 720 LB/FT @ 1300 RPM

7. **ENGINE EQUIPMENT**

- a. 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION
- b. 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)
- c. NO 2013 ENGINE ESCALATOR
- d. STANDARD OIL PAN

- e. ENGINE MOUNTED OIL CHECK AND FILL
- f. ONE PIECE VALVE COVER
- g. SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
- h. DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
- i. BATTERY BOX FRAME MOUNTED
- j. STANDARD BATTERY JUMPERS
- k. WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- l. NON-POLISHED BATTERY BOX COVER
- m. CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
- n. STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR
- o. AIR COMPRESSOR DISCHARGE LINE
- p. ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
- q. RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE
- r. ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- s. STANDARD EXHAUST SYSTEM LENGTH
- t. RH STANDARD HORIZONTAL TAILPIPE
- u. STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- v. LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- w. STANDARD DIESEL EXHAUST FLUID TANK CAP
- x. HORTON DRIVEMASTER ON/OFF FAN DRIVE
- y. AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
- a`. CUMMINS SPIN ON FUEL FILTER
- aa. COMBINATION FULL FLOW/BYPASS OIL FILTER
- ab. 1100 SQUARE INCH ALUMINUM RADIATOR
- ac. ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- ad. GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- ae. CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- af. RADIATOR DRAIN VALVE
- ag. LOWER RADIATOR GUARD
- ah. ELECTRIC GRID AIR INTAKE WARMER
- ai. DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH

#### 8. TRANSMISSION EQUIPMENT

- a. PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- b. SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- c. DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
- d. MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS
- e. TCU-MAX PTO ENGINE SPEED OPERATION NOT CONFIGURED
- f. TCU-MAX PTO O/P SPD ENG NOT CONFIGURE
- g. TCU-MAXIMUM PTO OUTPUT SPEED OPERATION NOT CONFIGURED
- h. MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- i. PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
- j. TRANSMISSION PROGNOSTICS - ENABLED 2013
- k. WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
- l. TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
- m. SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

#### 9. FRONT AXLE AND EQUIPMENT

- a. NON-ASBESTOS FRONT BRAKE LINING
- b. CONMET CAST IRON FRONT BRAKE DRUMS
- c. SKF SCOTSEAL PLUS XL FRONT OIL SEALS
- d. VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
- e. STANDARD SPINDLE NUTS FOR ALL AXLES
- f. MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
- g. STANDARD KING PIN BUSHINGS
- h. POWER STEERING PUMP
- i. 2 QUART SEE THROUGH POWER STEERING RESERVOIR

j. ORGANIC SAE 80/90 FRONT AXLE LUBE

10. REAR AXLE AND EQUIPMENT

- a. MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
- b. NON-ASBESTOS REAR BRAKE LINING
- c. CONMET CAST IRON REAR BRAKE DRUMS
- d. SKF SCOTSEAL PLUS XL REAR OIL SEALS
- e. ORGANIC SAE 80/90 REAR AXLE LUBE
- f. STANDARD REAR AXLE BREATHER(S)

11. REAR SUSPENSION

- a. STANDARD AXLE SEATS IN AXLE CLAMP GROUP
- b. FORE/AFT CONTROL RODS

12. BRAKE SYSTEM

- a. WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
- b. REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- c. FIBER BRAID PARKING BRAKE HOSE
- d. STANDARD BRAKE SYSTEM VALVES
- e. STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- f. STD U.S. FRONT BRAKE VALVE
- g. RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- h. WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
- i. AIR DRYER FRAME MOUNTED
- j. STEEL AIR BRAKE RESERVOIRS
- k. PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

13. TRAILER CONNECTIONS

- a. UPGRADED CHASSIS MULTIPLEXING UNIT

14. WHEELBASE & FRAME

- a. 1600MM (63 INCH) REAR FRAME OVERHANG
- b. CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.45 in
- c. CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.45 in
- d. CALC'D FRAME LENGTH - OVERALL : 288.37
- e. CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.45 in
- f. SQUARE END OF FRAME
- g. FRONT CLOSING CROSSMEMBER
- h. STANDARD MIDSHIP #1 CROSSMEMBER(S)
- i. STANDARD REARMOST CROSSMEMBER
- j. STANDARD SUSPENSION CROSSMEMBER

15. CHASSIS EQUIPMENT

- a. 14 INCH PAINTED STEEL BUMPER
- b. BUMPER MOUNTING FOR SINGLE LICENSE PLATE
- c. GRADE 8 THREADED HEX HEADED FRAME FASTENERS

16. FUEL TANKS

- a. PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
- b. FUEL TANK(S) FORWARD
- c. PLAIN STEP FINISH
- d. FUEL TANK CAP(S)
- e. ALLIANCE FUEL FILTER/WATER SEPARATOR
- f. EQUIFLO INBOARD FUEL SYSTEM
- g. HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

17. HUBS

- a. CONMET PRESET PLUS IRON FRONT HUBS

b. CONMET PRESET PLUS IRON REAR HUBS

18. WHEELS

- a. ACCURIDE 28828 22.5X8.25 10-HUB PILOT 6.18 INSET 2-HAND HD STEEL DISC FRONT WHEELS (WEIGHT FRONT: 26)
- b. ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS (WEIGHT REAR: 104)
- c. FRONT WHEEL MOUNTING NUTS
- d. REAR WHEEL MOUNTING NUTS

19. CAB EXTERIOR

- a. 108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- b. AIR CAB MOUNTS
- c. FRONT FENDERS SET-BACK AXLE
- d. LH AND RH GRAB HANDLES
- e. STATIONARY BLACK GRILLE
- f. BLACK HOOD MOUNTED AIR INTAKE GRILLE
- g. FIBERGLASS HOOD
- h. SINGLE ELECTRIC HORN
- i. DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
- j. REAR LICENSE PLATE MOUNT END OF FRAME
- k. HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS
- l. (5) AMBER MARKER LIGHTS
- m. INTEGRAL STOP/TAIL/BACKUP LIGHTS
- n. STANDARD FRONT TURN SIGNAL LAMPS
- o. DUAL WEST COAST MOLDED-IN COLOR MIRRORS
- p. DOOR MOUNTED MIRRORS
- q. 102 INCH EQUIPMENT WIDTH
- r. STANDARD SIDE/REAR REFLECTORS
- s. 63X14 INCH TINTED REAR WINDOW
- t. TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
- u. MANUAL DOOR WINDOW REGULATORS
- v. TINTED WINDSHIELD
- w. 8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR

20. CAB INTERIOR

- a. OPAL GRAY VINYL INTERIOR
- b. MOLDED PLASTIC DOOR PANEL
- c. MOLDED PLASTIC DOOR PANEL
- d. BLACK MATS WITH SINGLE INSULATION
- e. FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- f. IN DASH STORAGE BIN
- g. (2) CUP HOLDERS LH AND RH DASH
- h. GRAY/CHARCOAL FLAT DASH
- i. HEATER, DEFROSTER AND AIR CONDITIONER
- j. STANDARD HVAC DUCTING
- k. MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- l. STANDARD HEATER PLUMBING
- m. DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
- n. BINARY CONTROL, R-134A
- o. STANDARD INSULATION
- p. SOLID-STATE CIRCUIT PROTECTION AND FUSES
- q. 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- r. DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
- s. CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
- t. BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT
- u. BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT
- v. LH AND RH INTEGRAL DOOR PANEL ARMRESTS
- w. VINYL WITH VINYL INSERT DRIVER SEAT
- x. VINYL WITH VINYL INSERT PASSENGER SEAT
- y. 3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS

- a. FIXED STEERING COLUMN
- aa. 4-SPOKE 18 INCH (450MM) STEERING WHEEL
- ab. DRIVER AND PASSENGER INTERIOR SUN VISORS

## 21. INSTRUMENTS & CONTROLS

- a. GRAY DRIVER INSTRUMENT PANEL
- b. GRAY CENTER INSTRUMENT PANEL
- c. BLACK GAUGE BEZELS
- d. LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
- e. 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- f. INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- g. ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
- h. KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
- i. ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
- j. HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
- k. 2 INCH ELECTRIC FUEL GAUGE
- l. PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
- m. ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- n. 2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
- o. ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- p. ELECTRIC ENGINE OIL PRESSURE GAUGE
- q. ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- r. STANDARD VEHICLE SPEED SENSOR
- s. ELECTRONIC 3000 RPM TACHOMETER
- t. DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- u. SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
- v. MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
- w. ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
- x. SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- y. INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

## 22. DESIGN

- a. PAINT: ONE SOLID COLOR

## 23. COLOR

- a. CAB COLOR A: L0006EB WHITE ELITE BC
- b. BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
- c. NO FUEL TANK CABINET PAINT
- d. POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- e. POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- f. BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX
- g. STANDARD E COAT/UNDERCOATING

## 24. CERTIFICATION / COMPLIANCE

- a. U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **FREIGHTLINER - 108SD SPECIFICATION #5**

#### **2017 Freightliner 108SD**

The Freightliner 108SD purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$82,033.00	\$82,033.00	\$82,033.00	\$82,033.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	108SD			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$82,033.00	\$82,033.00	\$82,033.00	\$82,033.00

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Delete Options</b>			
	6 GALLON DIESEL EXHAUST FLUID TANK (WEIGHT FRONT: -35)	Std	Std
	6 GALLON DIESEL EXHAUST FLUID TANK (WEIGHT REAR: -10)	Std	Std
	100 PERCENT DIESEL EXHAUST FLUID FILL	Std	Std
	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	Incl.	Incl.
	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH (WEIGHT FRONT: -15)	Incl.	Incl.
	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH (WEIGHT REAR: 10)	Incl.	Incl.
	CONTINENTAL HSR2 11R22.5 14 PLY RADIAL REAR TIRES (WEIGHT REAR: 64)	Incl.	Incl.
	NO AIR HORN (WEIGHT FRONT: -4)	Incl.	Incl.

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Add Options</b>			
	REFUSE SERVICE	Incl.	Incl.
	GOVERNMENT BUSINESS SEGMENT	Incl.	Incl.
	MOIST BULK COMMODITY	Incl.	Incl.
	REFUSE, SIDE LOAD OR REAR PACKER BODY - UNLOADS IN A LANDFILL	Incl.	Incl.
	75 MPH ROAD SPEED LIMIT	Incl.	Incl.
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT	Incl.	Incl.
	PTO MODE ENGINE RPM LIMIT - 1100 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE SET SWITCH - 700 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM	Incl.	NA
	PTO MODE CANCEL VEHICLE SPEED - 5 MPH	Incl.	Incl.
	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND	Incl.	Incl.
	PTO MINIMUM RPM - 700	Incl.	Incl.
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH	Incl.	Incl.
	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY	Incl.	Incl.
	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB	Incl.	Incl.
	ALUMINUM FLYWHEEL HOUSING	NA	NA
	ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS	Incl.	Incl.
	ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES	Incl.	Incl.
	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED	Incl.	Incl.

<b>VEHICLE:</b>	108SD			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$82,033.00	\$82,033.00	\$82,033.00	\$82,033.00

DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE (WEIGHT FRONT: 190)	Incl.	Incl.
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES (WEIGHT FRONT: 10)	Incl.	Incl.
TRW TAS-85 POWER STEERING (WEIGHT FRONT: 40)	Incl.	Incl.
OIL/AIR POWER STEERING COOLER (WEIGHT FRONT: 5)	Incl.	Incl.
16,000# FLAT LEAF FRONT SUSPENSION	Incl.	Incl.
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION	Incl.	Incl.
MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE (WEIGHT REAR: 2,530)	Incl.	Incl.
5.29 REAR AXLE RATIO	Incl.	Incl.
IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING (WEIGHT REAR: 40)	Incl.	Incl.
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES (WEIGHT FRONT: 20)	Incl.	Incl.
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES (WEIGHT REAR: 20)	Incl.	Incl.
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES	Incl.	Incl.
(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES	Incl.	Incl.
BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF	Incl.	Incl.
STANDARD BRAKE CHAMBER LOCATION	Incl.	Incl.
NO DRIVELINE PARKING BRAKE	Incl.	Incl.
BENDIX EVERSURE LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS (WEIGHT REAR: 20)	Incl.	Incl.
HALDEX AUTOMATIC REAR SLACK ADJUSTERS	Incl.	Incl.
NO AIR PP/ELECT AXLE SHIFT,CAB	Incl.	Incl.
NO DRIVE/SHIFT AXLE WIRING/LOGIC	Incl.	Incl.
NO AIR PP/ELECT-AXLE SHIFT,CHAS	Incl.	Incl.
HENDRICKSON RT403 REAR SUSPENSION @ 40,000# (WEIGHT REAR: 750)	Incl.	Incl.
HENDRICKSON RT/RTE - 7.19" SADDLE	Incl.	Incl.
52 INCH AXLE SPACING	Incl.	Incl.
STEEL BEAMS AND RUBBER CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS	Incl.	Incl.
AIR BRAKE PACKAGE	Incl.	Incl.
UPGRADED BULKHEAD MULTIPLEXING UNIT	Incl.	Incl.
NO SUPPLEMENTAL TRAILER CABLE WIRING	Incl.	Incl.
NO HIGH CURRENT RECEPTACLE/WIRING	Incl.	Incl.
4725MM (186 INCH) WHEELBASE	Incl.	Incl.

<b>VEHICLE:</b>	108SD			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$82,033.00	\$82,033.00	\$82,033.00	\$82,033.00

11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI (WEIGHT FRONT: 230)	Incl.	Incl.
11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI (WEIGHT REAR: -20)	Incl.	Incl.
FRAME OVERHANG RANGE: 61 INCH TO 70 INCH	Incl.	Incl.
CALCULATED FRAME SPACE LH SIDE : 26.75 in	Incl.	Incl.
CALCULATED FRAME SPACE RH SIDE : 62.76 in	Incl.	Incl.
LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER (WEIGHT FRONT: -12)	Incl.	Incl.
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS	Incl.	Incl.
NO CAB GUARD	Incl.	Incl.
NO TIRE CARRIER	Incl.	Incl.
RECTANGULAR FUEL TANK(S)	Incl.	Incl.
NO AUXILIARY FUEL SUPPLY AND RETURN PORTS	Incl.	Incl.
CONTINENTAL HSU2 WT 315/80R22.5 20 PLY RADIAL FRONT TIRES (WEIGHT FRONT: 80)	Incl.	Incl.
NO RADIATOR GRILLE SCREEN <i>INCLUDES NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE <sup>1</sup></i> <i>includes non-removable bug screen mounted behind the grill <sup>2</sup></i>	Incl. <sup>1</sup>	Incl. <sup>2</sup>
NO WINDSHIELD FAN <i>call dealer for option <sup>1</sup></i>	Std <sup>1</sup>	Incl.
NO POWER SUPPLY SLEEPER/CAB <i>call dealer for option <sup>1</sup></i>	Std <sup>1</sup>	Incl.
ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK <i>call dealer for pricing <sup>1</sup></i>	NA <sup>1</sup>	NA
ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK	NA	NA
NO OBSTACLE DETECTION SYSTEM	Incl.	Incl.
NO LANE DEPARTURE WARNING SYSTEM	Incl.	Incl.
IDLE LIMITER, ELECTRONIC ENGINE	Incl.	Incl.



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>FREIGHTLINER - M2 106 - 26K (Specification #06)</u></a>			
Carolina Freightliner of Raleigh	2017 Freightliner 26K M2 106	★Appalachia	\$60,357.00
Excel Truck Center	2017 Freightliner 26K M2 106	★Dogwood	\$60,357.00
Carolina Freightliner of Raleigh	2017 Freightliner 26K M2 106	★Cardinal	\$60,357.00
Excel Truck Center	2017 Freightliner 26K M2 106	★Longleaf Pine	\$60,357.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **FREIGHTLINER - M2 106 - 26K** **SPECIFICATION #6**

2017 Freightliner 26K M2 106

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **PRICE LEVEL**

- a. M2 PRL-14M (EFF:10/05/15)

2. **DATA VERSION**

- a. SPECPRO21 DATA RELEASE VER 025

3. **VEHICLE CONFIGURATION**

- a. M2 106 CONVENTIONAL CHASSIS - WEIGHT FRONT: 5,759
- b. M2 106 CONVENTIONAL CHASSIS - WEIGHT REAR: 3,503
- c. 2017 MODEL YEAR SPECIFIED
- d. SET BACK AXLE - TRUCK
- e. STRAIGHT TRUCK PROVISION
- f. LH PRIMARY STEERING LOCATION

4. **GENERAL SERVICE**

- a. TRUCK CONFIGURATION
- b. DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- c. PICKUP AND DELIVERY/SHORT HAUL SERVICE
- d. GENERAL FREIGHT BUSINESS SEGMENT
- e. GENERAL FREIGHT COMMODITY
- f. TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- g. MAXIMUM 8% EXPECTED GRADE
- h. SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- i. MEDIUM TRUCK WARRANTY
- j. EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs
- k. EXPECTED REAR DRIVE AXLE(S) LOAD : 18000.0 lbs
- l. EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 26000.0 lbs

5. **TRUCK SERVICE**

- a. DRY VAN BODY
- b. EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in

6. **ENGINE**

- a. CUM ISB 6.7-200 200 HP @ 2300 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM

7. **ENGINE EQUIPMENT**

- a. 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION

- b. 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)
- c. STANDARD OIL PAN
- d. ENGINE MOUNTED OIL CHECK AND FILL
- e. ONE PIECE VALVE COVER
- f. SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
- g. DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
- h. (2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY
- i. BATTERY BOX FRAME MOUNTED
- j. STANDARD BATTERY JUMPERS
- k. WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- l. NON-POLISHED BATTERY BOX COVER
- m. CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
- n. STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR
- o. AIR COMPRESSOR DISCHARGE LINE
- p. ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
- q. RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE
- r. ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- s. STANDARD EXHAUST SYSTEM LENGTH
- t. RH STANDARD HORIZONTAL TAILPIPE
- u. 6 GALLON DIESEL EXHAUST FLUID TANK
- v. 100 PERCENT DIESEL EXHAUST FLUID FILL
- w. LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- x. STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- y. STANDARD DIESEL EXHAUST FLUID TANK CAP
- a`. HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH
- aa. AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
- ab. CUMMINS SPIN ON FUEL FILTER
- ac. FULL FLOW OIL FILTER
- ad. 950 SQUARE INCH ALUMINUM RADIATOR
- ae. ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- af. GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- ag. CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- ah. RADIATOR DRAIN VALVE
- ai. LOWER RADIATOR GUARD
- aj. ALUMINUM FLYWHEEL HOUSING
- ak. ELECTRIC GRID AIR INTAKE WARMER
- al. DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH

## 8. TRANSMISSION

- a. ALLISON 2100 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

## 9. TRANSMISSION EQUIPMENT

- a. ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS
- b. ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
- c. PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY
- d. NEUTRAL AT STOP - DISABLED, FUELSense - DISABLED
- e. DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
- f. CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO
- g. PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
- h. MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- i. DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITHOUT PARK BRAKE POSITION
- j. TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY
- k. WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
- l. TRANSMISSION OIL CHECK AND FILL

m. SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

10. FRONT AXLE AND EQUIPMENT

- a. MERITOR 15X4 Q+ CAM FRONT BRAKES
- b. NON-ASBESTOS FRONT BRAKE LINING
- c. CONMET CAST IRON FRONT BRAKE DRUMS
- d. SKF SCOTSEAL PLUS XL FRONT OIL SEALS
- e. VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
- f. STANDARD SPINDLE NUTS FOR ALL AXLES
- g. MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
- h. TRW THP-60 POWER STEERING
- i. POWER STEERING PUMP
- j. 2 QUART SEE THROUGH POWER STEERING RESERVOIR
- k. ORGANIC SAE 80/90 FRONT AXLE LUBE

11. FRONT SUSPENSION

- a. MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
- b. NO FRONT SUSPENSION SPRING BRACKET OPTIONS
- c. FRONT SHOCK ABSORBERS

12. REAR AXLE AND EQUIPMENT

- a. 5.22 REAR AXLE RATIO
- b. IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
- c. MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
- d. MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
- e. NON-ASBESTOS REAR BRAKE LINING
- f. BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)
- g. CONMET CAST IRON REAR BRAKE DRUMS
- h. SKF SCOTSEAL PLUS XL REAR OIL SEALS
- i. HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
- j. MERITOR AUTOMATIC REAR SLACK ADJUSTERS
- k. ORGANIC SAE 80/90 REAR AXLE LUBE

13. REAR SUSPENSION

- a. SPRING SUSPENSION - NO AXLE SPACERS
- b. STANDARD AXLE SEATS IN AXLE CLAMP GROUP

14. BRAKE SYSTEM

- a. AIR BRAKE PACKAGE
- b. WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
- c. REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- d. FIBER BRAID PARKING BRAKE HOSE
- e. STANDARD BRAKE SYSTEM VALVES
- f. STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- g. STD U.S. FRONT BRAKE VALVE
- h. RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- i. WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
- j. AIR DRYER FRAME MOUNTED
- k. STEEL AIR BRAKE RESERVOIRS
- l. PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

15. TRAILER CONNECTIONS

- a. UPGRADED CHASSIS MULTIPLEXING UNIT
- b. UPGRADED BULKHEAD MULTIPLEXING UNIT
- c. NO HIGH CURRENT TRAILER/BODY CABLE

16. WHEELBASE & FRAME

- a. 4725MM (186 INCH) WHEELBASE
- b. 11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI (WEIGHT



- FRONT: 50)
- c. 11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI (WEIGHT REAR: 100)
  - d. 1600MM (63 INCH) REAR FRAME OVERHANG
  - e. CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.45 in
  - f. CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.45 in
  - g. CALC'D FRAME LENGTH - OVERALL : 278.39
  - h. CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.45 in
  - i. SQUARE END OF FRAME
  - j. FRONT CLOSING CROSSMEMBER
  - k. STANDARD WEIGHT ENGINE CROSSMEMBER
  - l. STANDARD MIDSHIP #1 CROSSMEMBER(S)
  - m. STANDARD REARMOST CROSSMEMBER
  - n. STANDARD SUSPENSION CROSSMEMBER

#### 17. CHASSIS EQUIPMENT

- a. THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS
- b. BUMPER MOUNTING FOR SINGLE LICENSE PLATE
- c. FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS
- d. GRADE 8 THREADED HEX HEADED FRAME FASTENERS

#### 18. FUEL TANKS

- a. RECTANGULAR FUEL TANK(S)
- b. PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
- c. FUEL TANK(S) FORWARD
- d. PLAIN STEP FINISH
- e. FUEL TANK CAP(S)
- f. ALLIANCE FUEL FILTER/WATER SEPARATOR WITH PRIMER PUMP
- g. EQUIFLO INBOARD FUEL SYSTEM
- h. HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

#### 19. HUBS

- a. CONMET PRESET PLUS IRON FRONT HUBS
- b. CONMET PRESET PLUS IRON REAR HUBS

#### 20. WHEELS

- a. FRONT WHEEL MOUNTING NUTS
- b. REAR WHEEL MOUNTING NUTS

#### 21. CAB EXTERIOR

- a. 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- b. RUBBER CAB MOUNTS
- c. LH AND RH GRAB HANDLES
- d. PAINTED PLASTIC GRILLE
- e. ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE
- f. FIBERGLASS HOOD
- g. SINGLE ELECTRIC HORN
- h. DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
- i. REAR LICENSE PLATE MOUNT END OF FRAME
- j. INTEGRAL HEADLIGHT/MARKER ASSEMBLY
- k. (5) AMBER MARKER LIGHTS
- l. INTEGRAL STOP/TAIL/BACKUP LIGHTS
- m. STANDARD FRONT TURN SIGNAL LAMPS
- n. DUAL WEST COAST MOLDED-IN COLOR MIRRORS
- o. DOOR MOUNTED MIRRORS
- p. 102 INCH EQUIPMENT WIDTH
- q. STANDARD SIDE/REAR REFLECTORS
- r. 63X14 INCH TINTED REAR WINDOW
- s. TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS

- t. MANUAL DOOR WINDOW REGULATORS
- u. TINTED WINDSHIELD
- v. 2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

## 22. CAB INTERIOR

- a. OPAL GRAY CLOTH INTERIOR
- b. MOLDED PLASTIC DOOR PANEL
- c. MOLDED PLASTIC DOOR PANEL
- d. BLACK MATS WITH SINGLE INSULATION
- e. FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- f. IN DASH STORAGE BIN
- g. (2) CUP HOLDERS LH AND RH DASH
- h. GRAY/CHARCOAL FLAT DASH
- i. HEATER, DEFROSTER AND AIR CONDITIONER
- j. STANDARD HVAC DUCTING
- k. MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- l. STANDARD HEATER PLUMBING
- m. DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
- n. BINARY CONTROL, R-134A
- o. STANDARD INSULATION
- p. SOLID-STATE CIRCUIT PROTECTION AND FUSES
- q. 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- r. DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
- s. CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
- t. BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT
- u. BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT
- v. LH AND RH INTEGRAL DOOR PANEL ARMRESTS
- w. VINYL WITH VINYL INSERT DRIVER SEAT
- x. VINYL WITH VINYL INSERT PASSENGER SEAT
- y. 3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS
- a'. FIXED STEERING COLUMN
- aa. 4-SPOKE 18 INCH (450MM) STEERING WHEEL
- ab. DRIVER AND PASSENGER INTERIOR SUN VISORS

## 23. INSTRUMENTS & CONTROLS

- a. GRAY DRIVER INSTRUMENT PANEL
- b. GRAY CENTER INSTRUMENT PANEL
- c. BLACK GAUGE BEZELS
- d. LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
- e. 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- f. INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- g. ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
- h. KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
- i. ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
- j. HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
- k. 2 INCH ELECTRIC FUEL GAUGE
- l. PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
- m. ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- n. TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT
- o. ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- p. NO LANE DEPARTURE WARNING SYSTEM
- q. ELECTRIC ENGINE OIL PRESSURE GAUGE
- r. ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- s. STANDARD VEHICLE SPEED SENSOR
- t. STANDARD VEHICLE SPEED SENSOR
- u. IDLE LIMITER, ELECTRONIC ENGINE
- v. DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- w. SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
- x. MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH

- y. ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
- a'. SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- aa. INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS
- ab. NO MISCELLANEOUS GAUGES

24. DESIGN

- a. PAINT: ONE SOLID COLOR

25. COLOR

- a. CAB COLOR A: L0006EB WHITE ELITE BC
- b. BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
- c. NO FUEL TANK CABINET PAINT
- d. POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- e. POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- f. BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX
- g. STANDARD E COAT/UNDERCOATING

26. CERTIFICATION / COMPLIANCE

- a. U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **FREIGHTLINER - M2 106 - 26K SPECIFICATION #6**

#### **2017 Freightliner 26K M2 106**

The Freightliner 26K M2 106 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$60,357.00	\$60,357.00	\$60,357.00	\$60,357.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	26K M2 106			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$60,357.00	\$60,357.00	\$60,357.00	\$60,357.00

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Delete Options</b>			
	DETROIT DA-F-8.0-3 8,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	Incl.	Incl.
	8,000# TAPERLEAF FRONT SUSPENSION (WEIGHT FRONT: -30)	Incl.	Incl.
	DETROIT DA-RS-19.0-4 19,000# R-SERIES SINGLE REAR AXLE (WEIGHT FRONT: -20)	Incl.	Incl.
	18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION (WEIGHT REAR: 40)	Incl.	Incl.
	CONTINENTAL HSR2 11R22.5 14 PLY RADIAL FRONT TIRE (WEIGHT FRONT: 16)	Incl.	Incl.
	CONTINENTAL HSR2 11R22.5 14 PLY RADIAL REAR TIRES (WEIGHT REAR: 32)	Incl.	Incl.

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Add Options</b>			
	75 MPH ROAD SPEED LIMIT	Incl.	Incl.
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT	Incl.	Incl.
	PTO MODE ENGINE RPM LIMIT - 900 RPM	Incl.	Incl.
	PTO MODE THROTTLE OVERRIDE - LIMIT TO 900 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE SET SWITCH - 900 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE RESUME SWITCH - 900 RPM	Incl.	Incl.
	PTO MODE CANCEL VEHICLE SPEED - 5 MPH	Incl.	Incl.
	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND	Incl.	Incl.
	PTO MINIMUM RPM - 900	Incl.	Incl.
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH	Incl.	Incl.
	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB	Incl.	Incl.
	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH	Incl.	Incl.
	CALCULATED FRAME SPACE LH SIDE : 85.42 in	Incl.	Incl.
	CALCULATED FRAME SPACE RH SIDE : 129.66 in	Incl.	Incl.
	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH (WEIGHT FRONT: 20)	Incl.	Incl.
	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HUB PILOT 6.16 INSET 2-HAND STEEL DISC FRONT WHEELS	Incl.	Incl.
	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS	Incl.	Incl.
	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS	Incl.	Incl.



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>FREIGHTLINER - M2 106 - 33K GVW (Specification #08)</u></a>			
Carolina Freightliner of Raleigh	2017 Freightliner M2 106 33K GVW Chassis	★Appalachia	\$73,010.00
Excel Truck Center	2017 Freightliner M2 106 33K GVW Chassis	★Dogwood	\$73,010.00
Carolina Freightliner of Raleigh	2017 Freightliner M2 106 33K GVW Chassis	★Cardinal	\$73,010.00
Excel Truck Center	2017 Freightliner M2 106 33K GVW Chassis	★Longleaf Pine	\$73,010.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **FREIGHTLINER - M2 106 - 33K GVW** **SPECIFICATION #8**

2017 Freightliner M2 106 33K GVW Chassis

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **PRICE LEVEL**

- a. M2 PRL-14M (EFF:10/05/15)

2. **DATA VERSION**

- a. SPECPRO21 DATA RELEASE VER 024

3. **VEHICLE CONFIGURATION**

- a. M2 106 CONVENTIONAL CHASSIS (WEIGHT FRONT: 5,759 ; WEIGHT REAR: 3,503)
- b. 2017 MODEL YEAR SPECIFIED
- c. SET BACK AXLE - TRUCK
- d. STRAIGHT TRUCK PROVISION
- e. LH PRIMARY STEERING LOCATION

4. **GENERAL SERVICE**

- a. TRUCK CONFIGURATION
- b. DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- c. REFUSE SERVICE
- d. GOVERNMENT BUSINESS SEGMENT
- e. MOIST BULK COMMODITY
- f. TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- g. MAXIMUM 8% EXPECTED GRADE
- h. ROUGH, MAINTAINED, CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- i. MEDIUM TRUCK WARRANTY
- j. EXPECTED FRONT AXLE(S) LOAD : 10000.0 lbs
- k. EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs
- l. EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs

5. **ENGINE**

- a. CUM ISL 300HP @ 2000RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM (WEIGHT FRONT: 640)
- b. CUM ISL 300HP @ 2000RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM (WEIGHT REAR: 30)

6. **ENGINE EQUIPMENT**

- a. 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION
- b. STANDARD OIL PAN
- c. ENGINE MOUNTED OIL CHECK AND FILL
- d. ONE PIECE VALVE COVER
- e. SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
- f. DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE

- g. BATTERY BOX FRAME MOUNTED
- h. STANDARD BATTERY JUMPERS
- i. SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB
- j. WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- k. NON-POLISHED BATTERY BOX COVER
- l. CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
- m. STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR
- n. AIR COMPRESSOR DISCHARGE LINE
- o. ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
- p. ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- q. 6 GALLON DIESEL EXHAUST FLUID TANK
- r. 100 PERCENT DIESEL EXHAUST FLUID FILL
- s. LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- t. STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- u. STANDARD DIESEL EXHAUST FLUID TANK CAP
- v. AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
- w. CUMMINS SPIN ON FUEL FILTER
- x. ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- y. GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- a'. CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- aa. RADIATOR DRAIN VALVE
- ab. LOWER RADIATOR GUARD
- ac. ALUMINUM FLYWHEEL HOUSING
- ad. ELECTRIC GRID AIR INTAKE WARMER

#### 7. TRANSMISSION EQUIPMENT

- a. NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED
- b. DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
- c. MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- d. WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
- e. SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

#### 8. FRONT AXLE AND EQUIPMENT

- a. MERITOR 15X4 Q+ CAM FRONT BRAKES
- b. NON-ASBESTOS FRONT BRAKE LINING
- c. CONMET CAST IRON FRONT BRAKE DRUMS
- d. SKF SCOTSEAL PLUS XL FRONT OIL SEALS
- e. VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
- f. STANDARD SPINDLE NUTS FOR ALL AXLES
- g. MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
- h. TRW THP-60 POWER STEERING
- i. POWER STEERING PUMP
- j. 2 QUART SEE THROUGH POWER STEERING RESERVOIR
- k. ORGANIC SAE 80/90 FRONT AXLE LUBE

#### 9. FRONT SUSPENSION

- a. 12,000# MONO TAPERLEAF FRONT SUSPENSION
- b. MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
- c. NO FRONT SUSPENSION SPRING BRACKET OPTIONS
- d. FRONT SHOCK ABSORBERS

#### 10. REAR AXLE AND EQUIPMENT

- a. 5.22 REAR AXLE RATIO
- b. IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
- c. MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES - WEIGHT FRONT: 20
- d. MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES - WEIGHT REAR: 20
- e. MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES



- f. NON-ASBESTOS REAR BRAKE LINING
- g. CONMET CAST IRON REAR BRAKE DRUMS
- h. SKF SCOTSEAL PLUS XL REAR OIL SEALS
- i. HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
- j. MERITOR AUTOMATIC REAR SLACK ADJUSTERS
- k. ORGANIC SAE 80/90 REAR AXLE LUBE

11. REAR SUSPENSION

- a. STANDARD AXLE SEATS IN AXLE CLAMP GROUP

12. BRAKE SYSTEM

- a. AIR BRAKE PACKAGE
- b. WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
- c. REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- d. FIBER BRAID PARKING BRAKE HOSE
- e. STANDARD BRAKE SYSTEM VALVES
- f. STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- g. STD U.S. FRONT BRAKE VALVE
- h. RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- i. STEEL AIR BRAKE RESERVOIRS
- j. PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

13. TRAILER CONNECTIONS

- a. UPGRADED CHASSIS MULTIPLEXING UNIT
- b. UPGRADED BULKHEAD MULTIPLEXING UNIT
- c. NO HIGH CURRENT TRAILER/BODY CABLE
- d. CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 141.45 in
- e. CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 138.45 in
- f. CALC'D FRAME LENGTH - OVERALL : 296.39 CALC'D
- g. SPACE AVAILABLE FOR DECKPLATE : 141.45 in
- h. SQUARE END OF FRAME
- i. FRONT CLOSING CROSSMEMBER
- j. STANDARD WEIGHT ENGINE CROSSMEMBER
- k. STANDARD MIDSHIP #1 CROSSMEMBER(S)
- l. STANDARD REARMOST CROSSMEMBER
- m. STANDARD SUSPENSION CROSSMEMBER

14. CHASSIS EQUIPMENT

- a. THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS
- b. BUMPER MOUNTING FOR SINGLE LICENSE PLATE
- c. FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS
- d. GRADE 8 THREADED HEX HEADED FRAME FASTENERS

15. FUEL TANKS

- a. RECTANGULAR FUEL TANK(S)
- b. PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
- c. FUEL TANK(S) FORWARD
- d. PLAIN STEP FINISH
- e. FUEL TANK CAP(S)
- f. EQUIFLO INBOARD FUEL SYSTEM
- g. HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

16. HUBS

- a. CONMET PRESET PLUS IRON FRONT HUBS
- b. CONMET PRESET PLUS IRON REAR HUBS

17. WHEELS

- a. FRONT WHEEL MOUNTING NUTS
- b. REAR WHEEL MOUNTING NUTS

## 18. CAB EXTERIOR

- a. 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- b. LH AND RH GRAB HANDLES
- c. PAINTED PLASTIC GRILLE
- d. ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE
- e. FIBERGLASS HOOD
- f. SINGLE ELECTRIC HORN
- g. DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
- h. REAR LICENSE PLATE MOUNT END OF FRAME
- i. INTEGRAL HEADLIGHT/MARKER ASSEMBLY
- j. (5) AMBER MARKER LIGHTS
- k. INTEGRAL STOP/TAIL/BACKUP LIGHTS
- l. STANDARD FRONT TURN SIGNAL LAMPS
- m. DUAL WEST COAST MOLDED-IN COLOR MIRRORS
- n. DOOR MOUNTED MIRRORS
- o. 102 INCH EQUIPMENT WIDTH
- p. STANDARD SIDE/REAR REFLECTORS
- q. 63X14 INCH TINTED REAR WINDOW
- r. TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS
- s. MANUAL DOOR WINDOW REGULATORS
- t. TINTED WINDSHIELD
- u. 2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

## 19. CAB INTERIOR

- a. OPAL GRAY CLOTH INTERIOR
- b. MOLDED PLASTIC DOOR PANEL
- c. MOLDED PLASTIC DOOR PANEL
- d. BLACK MATS WITH SINGLE INSULATION
- e. FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- f. IN DASH STORAGE BIN
- g. (2) CUP HOLDERS LH AND RH DASH
- h. GRAY/CHARCOAL FLAT DASH
- i. HEATER, DEFROSTER AND AIR CONDITIONER
- j. STANDARD HVAC DUCTING
- k. MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- l. STANDARD HEATER PLUMBING
- m. DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
- n. BINARY CONTROL, R-134A
- o. STANDARD INSULATION
- p. SOLID-STATE CIRCUIT PROTECTION AND FUSES
- q. 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- r. DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
- s. CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
- t. LH AND RH INTEGRAL DOOR PANEL ARMRESTS
- u. VINYL WITH VINYL INSERT DRIVER SEAT
- v. VINYL WITH VINYL INSERT PASSENGER SEAT
- w. FIXED STEERING COLUMN
- x. 4-SPOKE 18 INCH (450MM) STEERING WHEEL
- y. DRIVER AND PASSENGER INTERIOR SUN VISORS

## 20. INSTRUMENTS AND CONTROLS

- a. GRAY DRIVER INSTRUMENT PANEL
- b. GRAY CENTER INSTRUMENT PANEL
- c. BLACK GAUGE BEZELS
- d. LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
- e. 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- f. INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- g. ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL

- h. KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION  
OFF/RUN/START/ACCESSORY
- i. ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
- j. HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
- k. 2 INCH ELECTRIC FUEL GAUGE
- l. PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
- m. ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- n. TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT
- o. ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- p. NO LANE DEPARTURE WARNING SYSTEM
- q. ELECTRIC ENGINE OIL PRESSURE GAUGE
- r. ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- s. STANDARD VEHICLE SPEED SENSOR
- t. ELECTRONIC 3000 RPM TACHOMETER
- u. IDLE LIMITER, ELECTRONIC ENGINE
- v. DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- w. SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
- x. MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
- y. ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
- a. SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- aa. INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS
- ab. NO MISCELLANEOUS GAUGES

21. DESIGN

- a. PAINT: ONE SOLID COLOR

22. COLOR

- a. CAB COLOR A: L0006EB WHITE ELITE BC
- b. BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
- c. NO FUEL TANK CABINET PAINT
- d. POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- e. POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- f. BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX
- g. STANDARD E COAT/UNDERCOATING

23. CERTIFICATION/COMPLIANCE

- a. U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **FREIGHTLINER - M2 106 - 33K GVW SPECIFICATION #8**

#### **2017 Freightliner M2 106 33K GVW Chassis**

The Freightliner M2 106 33K GVW Chassis purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$73,010.00	\$73,010.00	\$73,010.00	\$73,010.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	M2 106 33K GVW Chassis			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$73,010.00	\$73,010.00	\$73,010.00	\$73,010.00

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Delete Options</b>			
	HANKOOK AL11 11R22.5 14 PLY RADIAL FRONT TIRES - WEIGHT FRONT: 8	Incl.	Incl.
	HANKOOK DL11 11R22.5 14 PLY RADIAL REAR TIRES - WEIGHT REAR:60	Incl.	Incl.

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Add Options</b>			
	REFUSE, SIDE LOAD OR REAR PACKER BODY - UNLOADS IN A LANDFILL	Incl.	Incl.
	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in	Incl.	Incl.
	75 MPH ROAD SPEED LIMIT	Incl.	Incl.
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT	Incl.	Incl.
	PTO MODE ENGINE RPM LIMIT - 1100 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE SET SWITCH - 700 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM	Incl.	Incl.
	PTO MODE CANCEL VEHICLE SPEED - 5 MPH	Incl.	Incl.
	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND	Incl.	Incl.
	PTO MINIMUM RPM - 700	Incl.	Incl.
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH	Incl.	Incl.
	NO 2008 CARB EMISSION CERTIFICATION	Incl.	Incl.
	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES	Incl.	Incl.
	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH - WEIGHT FRONT: 20	Incl.	Incl.
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE - WEIGHT FRONT: 30	Incl.	Incl.
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE - WEIGHT REAR: 25	Incl.	Incl.
	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT	Incl.	Incl.
	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP	Incl.	Incl.
	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)	Incl.	Incl.
	HORTON DRIVEMASTER ON/OFF FAN DRIVE	Incl.	Incl.
	COMBINATION FULL FLOW/BYPASS OIL FILTER	Incl.	Incl.
	1100 SQUARE INCH ALUMINUM RADIATOR - WEIGHT FRONT: 20	Incl.	Incl.
	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	Incl.	Incl.

<b>VEHICLE:</b>	M2 106 33K GVW Chassis			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$73,010.00	\$73,010.00	\$73,010.00	\$73,010.00

ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION - WEIGHT FRONT: 200	Incl.	Incl.
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION - WEIGHT REAR: 60	Incl.	Incl.
ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS	Incl.	Incl.
ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES	Incl.	Incl.
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY	Incl.	Incl.
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY	Incl.	Incl.
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB	Incl.	Incl.
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED	Incl.	Incl.
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED	Incl.	Incl.
TRANSMISSION PROGNOSTICS - ENABLED 2013	Incl.	Incl.
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK	Incl.	Incl.
DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	Incl.	Incl.
DETROIT DA-RS-23.0-4 23,000# R-SERIES SINGLE REAR AXLE - WEIGHT REAR: 30	Incl.	Incl.
BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)	Incl.	Incl.
REAR BRAKE DUST SHIELDS	Incl.	Incl.
23,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD - WEIGHT REAR: 120	Incl.	Incl.
SPRING SUSPENSION - NO AXLE SPACERS	Incl.	Incl.
FORE/AFT CONTROL RODS	Incl.	Incl.
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER - WEIGHT FRONT: 20	Incl.	Incl.
AIR DRYER MOUNTED UNDER HOOD	Incl.	Incl.
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD	Incl.	Incl.
5250MM (207 INCH) WHEELBASE 11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI 15080	Incl.	Incl.
11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI - WEIGHT FRONT: 150	Incl.	Incl.
11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI - WEIGHT REAR: 80	Incl.	Incl.
1525MM (60 INCH) REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51 INCH TO 60 INCH 10-40	Incl.	Incl.

<b>VEHICLE:</b>	M2 106 33K GVW Chassis			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$73,010.00	\$73,010.00	\$73,010.00	\$73,010.00

FRAME OVERHANG RANGE: 51 INCH TO 60 INCH - WEIGHT FRONT: 10	Incl.	Incl.
FRAME OVERHANG RANGE: 51 INCH TO 60 INCH - WEIGHT REAR: -40	Incl.	Incl.
CALCULATED FRAME SPACE LH SIDE : 132.09 in	Incl.	Incl.
CALCULATED FRAME SPACE RH SIDE : 150.51 in	Incl.	Incl.
FRONT TOW HOOKS - FRAME MOUNTED - WEIGHT FRONT: 15	Incl.	Incl.
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH - WEIGHT FRONT: 20	Incl.	Incl.
ALLIANCE FUEL FILTER/WATER SEPARATOR	Incl.	Incl.
MAXION WHEELS 90262 22.5X8.25 10-HUB PILOT 6.19 INSET 5-HAND STEEL DISC FRONT WHEELS - WEIGHT FRONT: 18	Incl.	Incl.
MAXION WHEELS 90262 22.5X8.25 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS - WEIGHT REAR: 36	Incl.	Incl.
AIR CAB MOUNTS	Incl.	Incl.
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE	Incl.	Incl.
TUNNEL/FIREWALL LINER	Incl.	Incl.
SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED - WEIGHT FRONT: 4	Incl.	Incl.
SINGLE HORN SHIELD	Incl.	Incl.
LH AND RH 8 INCH MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS	Incl.	Incl.
DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER	Incl.	Incl.
2-1/2 LB. FIRE EXTINGUISHER - WEIGHT FRONT: 5	Incl.	Incl.
(1) 12 VOLT POWER SUPPLY IN DASH	Incl.	Incl.
TRIANGULAR REFLECTORS WITHOUT FLARES - WEIGHT FRONT: 10	Incl.	Incl.
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION - WEIGHT FRONT: 30	Incl.	Incl.
2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT - WEIGHT FRONT: 20	Incl.	Incl.
INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST - WEIGHT FRONT: 2	Incl.	Incl.
3 POINT DRIVER AND PASSENGER AND 2 POINT CENTER FRONT SEAT BELT RETRACTORS	Incl.	Incl.
AM/FM RADIO WITH FRONT AND REAR AUXILIARY INPUTS AND J1939 - WEIGHT FRONT: 10	Incl.	Incl.
DASH MOUNTED RADIO	Incl.	Incl.
(2) RADIO SPEAKERS IN CAB	Incl.	Incl.
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	Incl.	Incl.
POWER AND GROUND STUDS IN/UNDER DASH	Incl.	Incl.
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH	Incl.	Incl.

<b>VEHICLE:</b>	M2 106 33K GVW Chassis			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$73,010.00	\$73,010.00	\$73,010.00	\$73,010.00

	Incl.	Incl.
CORPORATE PDI CENTER IN-SERVICE ONLY		
Positive & negative post for jumpstart <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Battery shut off switch mounted outboard of drivers seat <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
C-Brake by Jacobs Low/Off/High/ Engine Brake <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
1000 watt / 115 volt Block Heater <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Driver controlled traction differential / single axle <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
26,000# Flat leaf susp. With radius rod & helper spring <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
30,000# Rear Axle RS-30-185 / requires heavier susp. <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
30,000# Flat leaf susp. With radius rod & helper spring <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
2 1/2" Front rubber fender extensions <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
LED Marker Lights <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
LED Stop Tail Lights <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Heated Mirrors with LH & RH Remote <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Powered Windows <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Adjustable Tilt/Tele Steering Column <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>



<b>VEHICLE:</b>	M2 106 33K GVW Chassis			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$73,010.00	\$73,010.00	\$73,010.00	\$73,010.00

Brake Dash Valve with Auto Neutral...required with Work Brake <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Work Brake <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
RH Stand-Up & RH Sit Down Options ARE NON-STANDARD <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>FREIGHTLINER - M2 112 (Specification #09)</u></a>			
Carolina Freightliner of Raleigh	2017 Freightliner M2 112 - 66000GVW	★Appalachia	\$99,328.00
Excel Truck Center	2017 Freightliner M2 112 - 66000GVW	★Dogwood	\$99,328.00
Carolina Freightliner of Raleigh	2017 Freightliner M2 112 - 66000GVW	★Cardinal	\$99,328.00
Excel Truck Center	2017 Freightliner M2 112 - 66000GVW	★Longleaf Pine	\$99,328.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **FREIGHTLINER - M2 112** **SPECIFICATION #9**

2017 Freightliner M2 112 - 66000GVW

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### **1. VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS**

- a. Wheelbase (545)- 5600MM (220 INCH) WHEELBASE
- b. Rear Frame Overhang (552) - 1925MM (76 INCH) REAR FRAME OVERHANG
- c. Fifth Wheel (578) - NO FIFTH WHEEL
- d. Fifth Wheel (578) - Mounting Location (577) - NO FIFTH WHEEL LOCATION
- e. Fifth Wheel (578) - Maximum Forward Position (in)- 0
- f. Fifth Wheel (578) - Maximum Rearward Position (in) - 0
- g. Fifth Wheel (578) - Amount of Slide Travel (in)- 0
- h. Fifth Wheel (578) - Slide Increment (in) - 0
- i. Fifth Wheel (578) - Desired Slide Position (in) - 0.0
- j. Cab Size (829) - 112 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- k. Sleeper (682) - NO SLEEPER BOX/SLEEPER CAB
- l. Exhaust System (016)- RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

### **2. TABLE SUMMARY - DIMENSIONS**

- a. Bumper to Back of Cab (BBC) - 112.4 in
- b. Bumper to Centerline of Front Axle (BA) - 46.8 in
- c. Min. Cab to Body Clearance (CB) - 3.0 in
- d. Back of Cab to Centerline of Rear Axle(s) (CA) - 154.4 in
- e. Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA) - 151.4 in.
- f. Back of Cab Protrusions (Exhaust/Intake) (CP) - 1.5 in
- g. Back of Cab Protrusions (Side Extenders/Trim Tab) (CP) - 0.0 in
- h. Back of Cab Protrusions (CNG Tank) - 0.0 in.
- i. Back of Cab Clearance (CL) - 3.0 in
- j. Back of Cab to End of Frame - 230.4 in
- k. Cab Height (CH) - 68.5 in
- l. Wheelbase (WB) - 220.0 in
- m. Frame Overhang (OH) - 76.0 in
- n. Overall Length (OAL) - 342.8 in
- o. Rear Axle Spacing - 52.0 in
- p. Unladen Frame Height at Centerline of Rear Axle - 44.6 in

### **3. PRICE LEVEL**

- a. M2 PRL-14M (EFF:10/05/15)

### **4. DATA VERSION**

- a. SPECPRO21 DATA RELEASE VER 024

### **5. VEHICLE CONFIGURATION**

- a. M2 112 CONVENTIONAL CHASSIS - WHEEL FRONT : 8,244
- b. M2 112 CONVENTIONAL CHASSIS - WHEEL REAR : 6,126
- c. 2017 MODEL YEAR SPECIFIED
- d. SET BACK AXLE - TRUCK
- e. STRAIGHT TRUCK PROVISION
- f. LH PRIMARY STEERING LOCATION

#### 6. GENERAL SERVICE

- a. TRUCK CONFIGURATION
- b. DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- c. REFUSE SERVICE
- d. GOVERNMENT BUSINESS SEGMENT
- e. MOIST BULK COMMODITY
- f. TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- g. MAXIMUM 8% EXPECTED GRADE
- h. SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- i. FREIGHTLINER LEVEL II WARRANTY
- j. EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs
- k. EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs
- l. EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 66000.0 lbs

#### 7. TRUCK SERVICE

- a. REFUSE, SIDE LOAD OR REAR PACKER BODY - UNLOADS IN A LANDFILL
- b. EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in

#### 8. ENGINE

- a. CUM ISL 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM - WEIGHT FRONT: -850
- b. CUM ISL 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM - WEIGHT REAR:-70

#### 9. ELECTRONIC PARAMETERS

- a. 75 MPH ROAD SPEED LIMIT
- b. CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
- c. PTO MODE ENGINE RPM LIMIT - 1100 RPM
- d. PTO RPM WITH CRUISE SET SWITCH - 700 RPM
- e. PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM
- f. PTO MODE CANCEL VEHICLE SPEED - 5 MPH
- g. PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
- h. PTO MINIMUM RPM - 700
- i. REGEN INHIBIT SPEED THRESHOLD - 5 MPH

#### 10. ENGINE EQUIPMENT

- a. 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION
- b. 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)
- c. STANDARD OIL PAN
- d. ENGINE MOUNTED OIL CHECK AND FILL
- e. ONE PIECE VALVE COVER
- f. SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
- g. DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
- h. (3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES
- i. BATTERY BOX FRAME MOUNTED
- j. STANDARD BATTERY JUMPERS
- k. SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB
- l. WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- m. NON-POLISHED BATTERY BOX COVER
- n. CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
- o. STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR

- p. AIR COMPRESSOR DISCHARGE LINE
- q. ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
- r. CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH - WEIGHT FRONT: 20
- s. RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE - WEIGHT FRONT: 30
- t. RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE - WEIGHT REAR: 25
- u. ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- v. 10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT
- w. RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP
- x. 6 GALLON DIESEL EXHAUST FLUID TANK
- y. 100 PERCENT DIESEL EXHAUST FLUID FILL
- a. LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- aa. STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- ab. STANDARD DIESEL EXHAUST FLUID TANK CAP
- ac. ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)
- ad. HORTON DRIVEMASTER ON/OFF FAN DRIVE
- ae. AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
- af. CUMMINS SPIN ON FUEL FILTER
- ag. COMBINATION FULL FLOW/BYPASS OIL FILTER
- ah. 1300 SQUARE INCH ALUMINUM RADIATOR - WEIGHT FRONT: -20
- ai. ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- aj. GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- ak. CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- al. ALUMINUM FLYWHEEL HOUSING
- am. ELECTRIC GRID AIR INTAKE WARMER
- an. DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH - WEIGHT FRONT: -10

#### 11. TRANSMISSION

- a. ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION - WEIGHT FRONT: 210
- b. ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION - WEIGHT REAR: 60

#### 12. TRANSMISSION EQUIPMENT

- a. ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS
- b. ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
- c. PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- d. SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- e. NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED
- f. DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
- g. VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB
- h. ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED
- i. CUSTOMER INSTALLED CHELSEA 277 SERIES PTO
- j. PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
- k. MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- l. PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
- m. TRANSMISSION PROGNOSTICS - ENABLED 2013
- n. WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
- o. TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
- p. SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

#### 13. FRONT AXLE AND EQUIPMENT

- a. DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE - WEIGHT FRONT: 210
- b. MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES - WEIGHT FRONT: 10

- c. NON-ASBESTOS FRONT BRAKE LINING
- d. CONMET CAST IRON FRONT BRAKE DRUMS
- e. SKF SCOTSEAL PLUS XL FRONT OIL SEALS
- f. VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
- g. STANDARD SPINDLE NUTS FOR ALL AXLES
- h. MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
- i. TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR - WEIGHT FRONT: 130
- j. POWER STEERING PUMP
- k. 4 QUART POWER STEERING RESERVOIR - WEIGHT FRONT: 5
- l. OIL/AIR POWER STEERING COOLER
- m. ORGANIC SAE 80/90 FRONT AXLE LUBE

#### 14. FRONT SUSPENSION

- a. 20,000# FLAT LEAF FRONT SUSPENSION - WEIGHT FRONT: 310
- b. GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION
- c. NO FRONT SUSPENSION SPRING BRACKET OPTIONS
- d. FRONT SHOCK ABSORBERS

#### 15. REAR AXLE AND EQUIPMENT

- a. RT-46-160 46,000# R-SERIES TANDEM REAR AXLE - WEIGHT REAR: 420
- b. 4.89 REAR AXLE RATIO
- c. IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
- d. MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES - WEIGHT FRONT: 40
- e. MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES - WEIGHT REAR: 40
- f. MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES
- g. (1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES
- h. BLINKING LAMP WITH EACH MODE SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF
- i. MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES - WEIGHT REAR: 20
- j. NON-ASBESTOS REAR BRAKE LINING
- k. STANDARD BRAKE CHAMBER LOCATION
- l. CONMET CAST IRON REAR BRAKE DRUMS
- m. SKF SCOTSEAL PLUS XL REAR OIL SEALS
- n. HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS
- o. HALDEX AUTOMATIC REAR SLACK ADJUSTERS
- p. ORGANIC SAE 80/90 REAR AXLE LUBE

#### 16. REAR SUSPENSION

- a. HENDRICKSON RT463 REAR SUSPENSION @ 46,000# - WEIGHT REAR: 780
- b. HENDRICKSON RT/RTE - 7.19" SADDLE
- c. STANDARD AXLE SEATS IN AXLE CLAMP GROUP
- d. 52 INCH AXLE SPACING - WEIGHT REAR: 20
- e. STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS
- f. FORE/AFT CONTROL RODS

#### 17. BRAKE SYSTEM

- a. AIR BRAKE PACKAGE
- b. WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
- c. REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- d. FIBER BRAID PARKING BRAKE HOSE
- e. STANDARD BRAKE SYSTEM VALVES
- f. STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- g. STD U.S. FRONT BRAKE VALVE
- h. RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- i. BW AD-9 BRAKE LINE AIR DRYER WITH HEATER - WEIGHT FRONT: 20
- j. AIR DRYER MOUNTED INBOARD ON LH RAIL
- k. STEEL AIR BRAKE RESERVOIRS
- l. CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS

OUTBOARD

- m. PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

18. TRAILER CONNECTIONS

- a. UPGRADED CHASSIS MULTIPLEXING UNIT  
b. UPGRADED BULKHEAD MULTIPLEXING UNIT  
c. NO HIGH CURRENT TRAILER/BODY CABLE

19. WHEELBASE & FRAME

- a. 5600MM (220 INCH) WHEELBASE  
b. 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI - WEIGHT FRONT: 150  
c. 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI - WEIGHT REAR: 60  
d. 1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT - WEIGHT FRONT: 200  
e. 1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT - WEIGHT REAR: 390  
f. 1925MM (76 INCH) REAR FRAME OVERHANG  
g. FRAME OVERHANG RANGE: 71 INCH TO 80 INCH - WEIGHT FRONT: -30  
h. FRAME OVERHANG RANGE: 71 INCH TO 80 INCH - WEIGHT REAR: 120  
i. CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 154.45 in  
j. CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 151.45 in  
k. CALC'D FRAME LENGTH - OVERALL : 326.12  
l. CALC'D SPACE AVAILABLE FOR DECKPLATE : 154.45 in  
m. CALCULATED FRAME SPACE LH SIDE : 69.06 in  
n. CALCULATED FRAME SPACE RH SIDE : 102.84 in  
o. SQUARE END OF FRAME  
p. FRONT CLOSING CROSSMEMBER  
q. STANDARD WEIGHT ENGINE CROSSMEMBER  
r. STANDARD MIDSHIP #1 CROSSMEMBER(S)  
s. STANDARD REARMOST CROSSMEMBER  
t. STANDARD SUSPENSION CROSSMEMBER

20. CHASSIS EQUIPMENT

- a. THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS  
b. REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME - WHEEL FRONT: 25  
c. BUMPER MOUNTING FOR SINGLE LICENSE PLATE  
d. FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS  
e. GRADE 8 THREADED HEX HEADED FRAME FASTENERS

21. FUEL TANKS

- a. 60 GALLON/227 LITER ALUMINUM FUEL TANK - LH  
b. 25 INCH DIAMETER FUEL TANK(S)  
c. PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS  
d. FUEL TANK(S) FORWARD  
e. PLAIN STEP FINISH  
f. FUEL TANK CAP(S)  
g. ALLIANCE FUEL FILTER/WATER SEPARATOR - WEIGHT FRONT: 15  
h. EQUIFLO INBOARD FUEL SYSTEM  
i. HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

22. TIRES

- a. CONTINENTAL HSU2 WT 315/80R22.5 20 PLY RADIAL FRONT TIRES - WEIGHT FRONT: 80  
b. CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES - WEIGHT REAR: 136

23. HUBS

- a. CONMET PRESET PLUS IRON FRONT HUBS  
b. CONMET PRESET PLUS IRON REAR HUBS

24. WHEELS

- a. MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS - WEIGHT FRONT: 66
- b. MAXION WHEELS 90262 22.5X8.25 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS - WEIGHT REAR: 72
- c. FRONT WHEEL MOUNTING NUTS
- d. REAR WHEEL MOUNTING NUTS

25. CAB EXTERIOR

- a. 112 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- b. AIR CAB MOUNTS
- c. NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE
- d. BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS - WEIGHT FRONT: 10
- e. LH AND RH GRAB HANDLES
- f. PAINTED PLASTIC GRILLE
- g. ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE
- h. FIBERGLASS HOOD
- i. TUNNEL/FIREWALL LINER
- j. SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED - WEIGHT FRONT: 4
- k. SINGLE ELECTRIC HORN
- l. SINGLE HORN SHIELD
- m. DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
- n. REAR LICENSE PLATE MOUNT END OF FRAME
- o. INTEGRAL HEADLIGHT/MARKER ASSEMBLY
- p. (5) AMBER MARKER LIGHTS
- q. INTEGRAL STOP/TAIL/BACKUP LIGHTS
- r. STANDARD FRONT TURN SIGNAL LAMPS
- s. DUAL WEST COAST MOLDED-IN COLOR MIRRORS
- t. DOOR MOUNTED MIRRORS
- u. 102 INCH EQUIPMENT WIDTH
- v. RH DOWN VIEW MIRROR
- w. STANDARD SIDE/REAR REFLECTORS
- x. NO CAB MOUNTED STEPS
- y. 63X14 INCH TINTED REAR WINDOW
- a'. TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS
- aa. MANUAL DOOR WINDOW REGULATORS
- ab. TINTED WINDSHIELD
- ac. 2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

26. CAB INTERIOR

- a. OPAL GRAY CLOTH INTERIOR
- b. MOLDED PLASTIC DOOR PANEL
- c. MOLDED PLASTIC DOOR PANEL
- d. BLACK MATS WITH SINGLE INSULATION
- e. DASH MOUNTED ASH TRAYS AND LIGHTER
- f. FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- g. IN DASH STORAGE BIN
- h. (2) CUP HOLDERS LH AND RH DASH
- i. GRAY/CHARCOAL FLAT DASH
- j. 2-1/2 LB. FIRE EXTINGUISHER - WEIGHT FRONT: 5
- k. HEATER, DEFROSTER AND AIR CONDITIONER
- l. STANDARD HVAC DUCTING
- m. MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- n. STANDARD HEATER PLUMBING
- o. DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
- p. BINARY CONTROL, R-134A
- q. STANDARD INSULATION
- r. SOLID-STATE CIRCUIT PROTECTION AND FUSES
- s. 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- t. DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
- u. CAB DOOR LATCHES WITH MANUAL DOOR LOCKS



- v. (1) 12 VOLT POWER SUPPLY IN DASH
- w. TRIANGULAR REFLECTORS WITHOUT FLARES - WEIGHT FRONT - 10
- x. BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION - WEIGHT FRONT: 30
- y. 2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT - WEIGHT FRONT: 20
- a`. INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST - WEIGHT FRONT: 2
- aa. LH AND RH INTEGRAL DOOR PANEL ARMRESTS
- ab. VINYL WITH VINYL INSERT DRIVER SEAT
- ac. VINYL WITH VINYL INSERT PASSENGER SEAT
- ad. 3 POINT DRIVER AND PASSENGER AND 2 POINT CENTER FRONT SEAT BELT RETRACTORS
- ae. FIXED STEERING COLUMN
- af. 4-SPOKE 18 INCH (450MM) STEERING WHEEL
- ag. DRIVER AND PASSENGER INTERIOR SUN VISORS
- ah. GRAY DRIVER INSTRUMENT PANEL
- ai. GRAY CENTER INSTRUMENT PANEL
- aj. BLACK GAUGE BEZELS
- ak. LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
- al. 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- am. INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- an. ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
- ao. KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
- ap. ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
- aq. HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
- ar. 2 INCH ELECTRIC FUEL GAUGE
- as. PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
- at. ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- au. TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT
- av. ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- aw. CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS
- ax. NO LANE DEPARTURE WARNING SYSTEM
- ay. ELECTRIC ENGINE OIL PRESSURE GAUGE
- b`. AM/FM RADIO WITH FRONT AND REAR AUXILIARY INPUTS AND J1939 - WEIGHT FRONT: 10
- ba. DASH MOUNTED RADIO
- bb. (2) RADIO SPEAKERS IN CAB
- bc. AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF
- bd. POWER AND GROUND STUDS IN/UNDER DASH
- be. ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- bf. STANDARD VEHICLE SPEED SENSOR
- bg. ELECTRONIC 3000 RPM TACHOMETER
- bh. NO VEHICLE PERFORMANCE MONITOR - WEIGHT FRONT: -5
- bi. IDLE LIMITER, ELECTRONIC ENGINE
- bj. PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH
- bk. DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- bl. SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
- bm. MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
- bn. ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR
- bo. SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- bp. INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS
- bq. NO MISCELLANEOUS GAUGES

## 27. DESIGN

- a. PAINT: ONE SOLID COLOR

## 28. COLOR

- a. CAB COLOR A: L0006EB WHITE ELITE BC
- b. BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
- c. NO FUEL TANK CABINET PAINT
- d. POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- e. POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

- f. BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX
- g. STANDARD E COAT/UNDERCOATING

29. CERTIFICATION / COMPLIANCE

- a. U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

30. WEIGHT SUMMARY (WEIGHTS SHOWN ARE ESTIMATES ONLY)

- a. Factory Weight - Weight Front - 8941 lbs
- b. Factory Weight - Weight Rear - 8199 lbs
- c. Factory Weight- Total Weight - 17140 lbs

31. EXTENDED WARRANTY

- a. TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **FREIGHTLINER - M2 112 SPECIFICATION #9**

#### **2017 Freightliner M2 112 - 66000GVW**

The Freightliner M2 112 - 66000GVW purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$99,328.00	\$99,328.00	\$99,328.00	\$99,328.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	M2 112 - 6600GVW			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$99,328.00	\$99,328.00	\$99,328.00	\$99,328.00

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code</b>	<b>Add Options</b>		
	Positive & negative post for jumpstart <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Battery shut off switch mounted outboard of drivers seat <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	C-Brake by Jacobs Low/Off/High/ Engine Brake <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	1000 watt / 115 volt Block Heater <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Driver controlled tandem traction differential / both axles <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Front Brake Dust Shields <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Rear Brake Dust Shields <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Continental HSC1 12R22.5 Rear Tires - requires 9" rim <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	9"Rim <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer fro pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	LED Marker Lights <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	LED Stop Tail Lights <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Heated Mirrors with LH & RH Remote <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
	Powered Windows <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>

<b>VEHICLE:</b>	M2 112 - 66000GVW			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$99,328.00	\$99,328.00	\$99,328.00	\$99,328.00

Adjustable Tilt/Tele Steering Column <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Work Brake <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
RH Stainless Fender Mounted Convex Mirrors <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
Hendrickson SC13 13,200 Steerable Axle with Tires & Rims <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>
RH Stand-Up & RH Sit Down Options ARE NON-STANDARD <i>call dealer for pricing</i> <sup>1</sup> <i>call dealer for pricing</i> <sup>2</sup>	NA <sup>1</sup>	NA <sup>2</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>FREIGHTLINER - 114SD (Specification #10)</u></a>			
Carolina Freightliner of Raleigh	2017 Freightliner 114SD	★Appalachia	\$83,790.00
Excel Truck Center	2017 Freightliner 114SD	★Dogwood	\$83,790.00
Carolina Freightliner of Raleigh	2017 Freightliner 114SD	★Cardinal	\$83,790.00
Excel Truck Center	2017 Freightliner 114SD	★Longleaf Pine	\$83,790.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **FREIGHTLINER - 114SD** **SPECIFICATION #10**

2017 Freightliner 114SD

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. PRICE LEVEL

- a. SD PRL-14D (EFF:10/05/15)

### 2. DATA VERSION

- a. SPECPRO21 DATA RELEASE VER 025

### 3. VEHICLE CONFIGURATION

- a. 114SD CONVENTIONAL CHASSIS (WEIGHT FRONT: 7,934)
- b. 114SD CONVENTIONAL CHASSIS (WEIGHT REAR: 6,576)
- c. 2017 MODEL YEAR SPECIFIED
- d. STRAIGHT TRUCK PROVISION
- e. LH PRIMARY STEERING LOCATION

### 4. GENERAL SERVICE

- a. TRUCK CONFIGURATION
- b. DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- c. REFUSE SERVICE
- d. GOVERNMENT BUSINESS SEGMENT
- e. DRY BULK COMMODITY
- f. TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- g. MAXIMUM 8% EXPECTED GRADE
- h. SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- i. FREIGHTLINER LEVEL II WARRANTY
- j. EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs
- k. EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs
- l. EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 60000.0 lbs

### 5. ENGINE EQUIPMENT

- a. 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION
- b. 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)
- c. NO 2013 ENGINE ESCALATOR
- d. STANDARD OIL PAN
- e. ENGINE MOUNTED OIL CHECK AND FILL
- f. DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
- g. (3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES
- h. BATTERY BOX FRAME MOUNTED

- i. STANDARD BATTERY JUMPERS
- j. SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB
- k. WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- l. NON-POLISHED BATTERY BOX COVER
- m. ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
- n. RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE
- o. ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- p. STANDARD EXHAUST SYSTEM LENGTH
- q. RH STANDARD HORIZONTAL TAILPIPE
- r. 13 GALLON DIESEL EXHAUST FLUID TANK
- s. 100 PERCENT DIESEL EXHAUST FLUID FILL
- t. STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- u. LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- v. STANDARD DIESEL EXHAUST FLUID TANK CAP
- w. AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
- x. ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- y. GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- a`. CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES

#### 6. TRANSMISSION EQUIPMENT

- a. PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- b. SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- c. DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
- d. MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS
- e. TCU-MAX PTO ENGINE SPEED OPERATION NOT CONFIGURED
- f. TCU-MAX PTO O/P SPD ENG NOT CONFIGURE
- g. TCU-MAXIMUM PTO OUTPUT SPEED OPERATION NOT CONFIGURED
- h. MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- i. PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
- j. TRANSMISSION PROGNOSTICS - ENABLED 2013
- k. TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
- l. SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

#### 7. FRONT AXLE AND EQUIPMENT

- a. NON-ASBESTOS FRONT BRAKE LINING
- b. CONMET CAST IRON FRONT BRAKE DRUMS
- c. SKF SCOTSEAL PLUS XL FRONT OIL SEALS
- d. VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
- e. STANDARD SPINDLE NUTS FOR ALL AXLES
- f. MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
- g. STANDARD KING PIN BUSHINGS
- h. POWER STEERING PUMP
- i. ORGANIC SAE 80/90 FRONT AXLE LUBE

#### 8. REAR AXLE AND EQUIPMENT

- a. DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE
- b. 4.78 REAR AXLE RATIO
- c. IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
- d. MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
- e. MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES
- f. (1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES
- g. BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF
- h. MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
- i. NON-ASBESTOS REAR BRAKE LINING
- j. STANDARD BRAKE CHAMBER LOCATION



- k. CONMET CAST IRON REAR BRAKE DRUMS
- l. SKF SCOTSEAL PLUS XL REAR OIL SEALS
- m. MERITOR AUTOMATIC REAR SLACK ADJUSTERS
- n. ORGANIC SAE 80/90 REAR AXLE LUBE
- o. STANDARD REAR AXLE BREATHER(S)

9. REAR SUSPENSION

- a. 40,000# 4-SPRING FLAT LEAF REAR SUSPENSION
- b. SPRING SUSPENSION - NO AXLE SPACERS
- c. STANDARD AXLE SEATS IN AXLE CLAMP GROUP
- d. 52 INCH AXLE SPACING
- e. HEAVY DUTY FORE/AFT CONTROL RODS

10. BRAKE SYSTEM

- a. WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
- b. REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- c. FIBER BRAID PARKING BRAKE HOSE
- d. STANDARD BRAKE SYSTEM VALVES
- e. STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- f. STD U.S. FRONT BRAKE VALVE
- g. RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- h. WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
- i. AIR DRYER FRAME MOUNTED
- j. PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

11. TRAILER CONNECTIONS

- a. UPGRADED CHASSIS MULTIPLEXING UNIT

12. WHEELBASE & FRAME

- a. 4725MM (186 INCH) WHEELBASE
- b. 11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI
- c. 1600MM (63 INCH) REAR FRAME OVERHANG
- d. CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.45 in
- e. CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.45 in
- f. CALC'D FRAME LENGTH - OVERALL : 279.12
- g. CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.45 in
- h. SQUARE END OF FRAME
- i. FRONT CLOSING CROSSMEMBER
- j. STANDARD WEIGHT ENGINE CROSSMEMBER
- k. STANDARD MIDSHIP #1 CROSSMEMBER(S)
- l. STANDARD REARMOST CROSSMEMBER
- m. STANDARD SUSPENSION CROSSMEMBER

13. CHASSIS EQUIPMENT

- a. BUMPER MOUNTING FOR SINGLE LICENSE PLATE
- b. GRADE 8 THREADED HEX HEADED FRAME FASTENERS

14. FUEL TANKS

- a. 60 GALLON/227 LITER ALUMINUM FUEL TANK - LH
- b. 25 INCH DIAMETER FUEL TANK(S)
- c. PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
- d. FUEL TANK(S) FORWARD
- e. PLAIN STEP FINISH
- f. FUEL TANK CAP(S)
- g. EQUIFLO INBOARD FUEL SYSTEM
- h. HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

15. HUBS

- a. CONMET PRESET PLUS IRON FRONT HUBS

b. CONMET PRESET PLUS IRON REAR HUBS

16. CAB EXTERIOR

- a. 114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- b. AIR CAB MOUNTS
- c. NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE
- d. LH AND RH GRAB HANDLES
- e. STATIONARY BLACK GRILLE
- f. BLACK HOOD MOUNTED AIR INTAKE GRILLE
- g. FIBERGLASS HOOD
- h. SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED
- i. SINGLE ELECTRIC HORN
- j. SINGLE HORN SHIELD
- k. DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
- l. REAR LICENSE PLATE MOUNT END OF FRAME
- m. HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS
- n. (5) AMBER MARKER LIGHTS
- o. INTEGRAL STOP/TAIL/BACKUP LIGHTS
- p. STANDARD FRONT TURN SIGNAL LAMPS
- q. DUAL WEST COAST MOLDED-IN COLOR MIRRORS
- r. DOOR MOUNTED MIRRORS
- s. 102 INCH EQUIPMENT WIDTH
- t. STANDARD SIDE/REAR REFLECTORS
- u. 63X14 INCH TINTED REAR WINDOW
- v. TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
- w. MANUAL DOOR WINDOW REGULATORS
- x. TINTED WINDSHIELD

17. CAB INTERIOR

- a. OPAL GRAY VINYL INTERIOR
- b. MOLDED PLASTIC DOOR PANEL
- c. MOLDED PLASTIC DOOR PANEL
- d. BLACK MATS WITH SINGLE INSULATION
- e. DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER
- f. FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- g. (2) CUP HOLDERS LH AND RH DASH
- h. GRAY/CHARCOAL WING DASH
- i. HEATER, DEFROSTER AND AIR CONDITIONER
- j. STANDARD HVAC DUCTING
- k. MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- l. STANDARD HEATER PLUMBING
- m. DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
- n. BINARY CONTROL, R-134A
- o. STANDARD INSULATION
- p. SOLID-STATE CIRCUIT PROTECTION AND FUSES
- q. 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- r. DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
- s. CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
- t. (1) 12 VOLT POWER SUPPLY IN DASH
- u. BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT
- v. BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT
- w. LH AND RH INTEGRAL DOOR PANEL ARMRESTS
- x. VINYL WITH VINYL INSERT DRIVER SEAT
- y. VINYL WITH VINYL INSERT PASSENGER SEAT
- a'. 3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS
- aa. FIXED STEERING COLUMN
- ab. 4-SPOKE 18 INCH (450MM) STEERING WHEEL
- ac. DRIVER AND PASSENGER INTERIOR SUN VISORS

18. INSTRUMENTS & CONTROLS

- a. GRAY DRIVER INSTRUMENT PANEL
- b. GRAY CENTER INSTRUMENT PANEL
- c. BLACK GAUGE BEZELS
- d. LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
- e. 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- f. INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- g. ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)
- h. KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION  
OFF/RUN/START/ACCESSORY
- i. ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
- j. HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
- k. 2 INCH ELECTRIC FUEL GAUGE
- l. ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- m. 2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
- n. ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- o. ELECTRIC ENGINE OIL PRESSURE GAUGE
- p. ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- q. STANDARD VEHICLE SPEED SENSOR
- r. ELECTRONIC 3000 RPM TACHOMETER
- s. IGNITION SWITCH CONTROLLED ENGINE STOP
- t. DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- u. SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
- v. MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
- w. ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
- x. SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- y. INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

19. DESIGN

- a. PAINT: ONE SOLID COLOR

20. COLOR

- a. CAB COLOR A: L0006EB WHITE ELITE BC
- b. BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
- c. NO FUEL TANK CABINET PAINT
- d. POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- e. POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- f. STANDARD BLACK BUMPER PAINT
- g. STANDARD E COAT/UNDERCOATING

21. CERTIFICATION / COMPLIANCE

- a. U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **FREIGHTLINER - 114SD SPECIFICATION #10**

#### **2017 Freightliner 114SD**

The Freightliner 114SD purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$83,790.00	\$83,790.00	\$83,790.00	\$83,790.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	114SD			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$83,790.00	\$83,790.00	\$83,790.00	\$83,790.00

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Delete Options</b>			
	SET BACK AXLE - TRUCK (WEIGHT FRONT: 480)	Incl.	Incl.
	SET BACK AXLE - TRUCK (WEIGHT REAR: -480)	Incl.	Incl.
	CUM ISL 260 HP @ 2000 RPM; 2200 GOV RPM, 720 LB/FT @ 1300 RPM (WEIGHT FRONT: -850)	Incl.	Incl.
	CUM ISL 260 HP @ 2000 RPM; 2200 GOV RPM, 720 LB/FT @ 1300 RPM (WEIGHT REAR: -70)	Incl.	Incl.
	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	Incl.	Incl.
	CONTINENTAL HSR2 11R22.5 14 PLY RADIAL REAR TIRES (WEIGHT REAR: 64)	Incl.	Incl.
	NO CAB MOUNTED STEPS	Incl.	Incl.
	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED	Incl.	Incl.

		<b>Dogwood Appalachia &amp; Longleaf &amp; Cardinal Pine</b>	
<b>Order Code Add Options</b>			
	ROLL OFF/ROLL ON BODY	Incl.	Incl.
	75 MPH ROAD SPEED LIMIT	Incl.	Incl.
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT	Incl.	Incl.
	PTO MODE ENGINE RPM LIMIT - 1100 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE SET SWITCH - 700 RPM	Incl.	Incl.
	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM	Incl.	Incl.
	PTO MODE CANCEL VEHICLE SPEED - 5 MPH	Incl.	Incl.
	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND	Incl.	Incl.
	PTO MINIMUM RPM - 700	Incl.	Incl.
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH	Incl.	Incl.
	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED	Incl.	Incl.
	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE	Incl.	Incl.
	HORTON DRIVEMASTER ON/OFF FAN DRIVE	Incl.	Incl.
	CUMMINS SPIN ON FUEL FILTER	Incl.	Incl.
	COMBINATION FULL FLOW/BYPASS OIL FILTER	Incl.	Incl.
	1300 SQUARE INCH ALUMINUM RADIATOR (WEIGHT FRONT: -20)	Incl.	Incl.
	RADIATOR DRAIN VALVE	Incl.	Incl.
	ELECTRIC GRID AIR INTAKE WARMER	Incl.	Incl.

<b>VEHICLE:</b>	114SD			
<b>DEALER:</b>	Carolina Freightliner of Raleigh	Excel Truck Center	Carolina Freightliner of Raleigh	Excel Truck Center
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$83,790.00	\$83,790.00	\$83,790.00	\$83,790.00

DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH (WEIGHT FRONT: -10)	Incl.	Incl.
ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS	Incl.	Incl.
ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES	Incl.	Incl.
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK (WEIGHT FRONT: -30)	Incl.	Incl.
DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE (WEIGHT FRONT: 210)	Incl.	Incl.
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES (WEIGHT FRONT: 10)	Incl.	Incl.
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR (WEIGHT FRONT: 130)	Incl.	Incl.
4 QUART POWER STEERING RESERVOIR (WEIGHT FRONT: 5)	Incl.	Incl.
OIL/AIR POWER STEERING COOLER (WEIGHT FRONT: 5)	Incl.	Incl.
20,000# FLAT LEAF FRONT SUSPENSION (WEIGHT FRONT: 310)	Incl.	Incl.
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION	Incl.	Incl.
BENDIX EVERSURE LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS	Incl.	Incl.
STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS	Incl.	Incl.
FRAME OVERHANG RANGE: 61 INCH TO 70 INCH	Incl.	Incl.
CALCULATED FRAME SPACE LH SIDE : 25.3 in	Incl.	Incl.
CALCULATED FRAME SPACE RH SIDE : 74.48 in	Incl.	Incl.
14 INCH PAINTED STEEL BUMPER (WEIGHT FRONT: 20)	Incl.	Incl.
ALLIANCE FUEL FILTER/WATER SEPARATOR (WEIGHT FRONT: 15)	Incl.	Incl.
CONTINENTAL HSU2 WT 315/80R22.5 20 PLY RADIAL FRONT TIRES (WEIGHT FRONT: 80)	Incl.	Incl.
ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS (WEIGHT FRONT: 66)	Incl.	Incl.
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS (WEIGHT REAR: 104)	Incl.	Incl.
FRONT FENDERS SET-BACK AXLE	Incl.	Incl.
PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE	Incl.	Incl.
NO VEHICLE PERFORMANCE MONITOR (WEIGHT FRONT: -5)	Incl.	Incl.



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>HINO 195 (Specification #11)</u></a>			
Transource, Inc.	2017 Hino 195	★Appalachia	\$45,980.89
Transource, Inc.	2017 Hino 195	★Dogwood	\$45,980.89
Transource, Inc.	2017 Hino 195	★Cardinal	\$45,980.89
Transource, Inc.	2017 Hino 195	★Longleaf Pine	\$45,980.89



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **HINO 195** **SPECIFICATION #11**

2017 Hino 195

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **TRANSMISSION**

- a. Aisin A465 - 6 speed automatic transmission

2. **WHEELBASE**

- a. 114"

3. **ENGINE**

- a. Engine - HINO J05E-TP Turbo charged and intercooled, diesel 4 cycle, 4 cylinder, In-line water-cooled; Max Output 210hp @ 2500rpm; Max Torque 440lb.ft. @ 1500rpm; 5L displacement, EPA10 Emissions Certified.

4. **INSIGHTSTD**

- a. INSIGHT hardware. 1 year telematics. 5 years remote diagnostics.

5. **OIL**

- a. Oil Capacity- 9.9 quarts

6. **EXHBRAKE**

- a. Exhaust brake, electric-pneumatic with valve in exhaust pipe.

7. **FUELFILTCOE**

- a. Fuel Filter-Pre Filter Heated Water Separator

8. **ALT**

- a. 12 volt 130 amp brushless alternator

9. **BATTERY**

- a. Two 12 volt parallel connection, 1244 CCA.

10. **STARTER**

- a. 12 volt 3.35 kW Denso starter

11. **RADIO**

- a. Radio-AM/FM with single CD

12. **AIRCOND**

- a. Air conditioned



13. DISPLAY

- a. Meter Cluster-Information display: Instant and trip fuel consumption, Diesel Particulate Reduction System performance/status, maintenance intervals, engine and vehicle diagnostics.

14. PWDL-COE

- a. Power Windows and Door Locks

15. GAUGES

- a. Gauges-Speedometer mph (km/h), odometer, fuel/DEF gauges, coolant temp gauge, engine tachometer

16. FTGRILLCOE

- a. Grille-Chrome plated

17. HORNCOE

- a. Horn-Electric Horn

18. HEAT/DEF

- a. Heater/Defroster- 18,596 BTU/h

19. LAMPS

- a. Lighting-Stop/tail lights, marker and identification lamps (roof), back-up lamps

20. MISC

- a. Cab Features-Standard: Cruise control, tilt and telescopic steering. Overhead compartments, door pockets, cup holders, side mirrors (1 flat, 1 convex) on each side

21. SEATS

- a. Seats-Fabric covered reclining high back driver's seat. Fabric passenger foldaway center seat and right fabric passenger seat.

22. INDICATORS

- a. Warning Indicators-Oil pressure, brake fluid, battery charge, high beam, turn signal, parking brake, engine control system and ABS

23. FREIGHT

- a. Equalized Freight Charge

24. COOLSYS

- a. Cooling Capacity- 5.90 gallon cooling system capacity

25. WARRANTY\_05

- a. Warranty-Basic Vehicle-36 months unlimited mileage (exception batteries and expendables), Extended Engine and Vehicle- 60 months or 200,000 miles (includes injectors, fuel supply pump, turbo, transmission, and rear axle: Emissions- 60 months or 100,000 mile warranty:

26. HWATCH\_05

- a. Hino Watch Roadside Assistance- 3-year unlimited roadside assistance including lockout, \*out of fuel/DEF, battery jumpstart, information, and warranty towing (2 year coverage). \*Fluids are customer pay responsibility. Tire Service-assist customer in arranging for roadside tire service if requested

27. FUELTNK

- a. Fuel Tank-30 gallon rear center mount

28. GVWR

a. GVWR-Gross Vehicle Weight Rating- 19,500 lbs

29. BMP

a. Bumper- painted, match to cab

30. BRAKES

a. Brakes-Hydraulic system with disc brakes, hydraulic assist with dual circuit. Brakes: 13.72" diameter x 4.37 x 0.51" thickness.

31. FRAME

a. Frame straight section ladder type, 33" width, yield strength 56,900 PSI, resistance bending moment 706,800 in./lbs. (two side no reinforcement).

32. WHEELS

a. Wheels-Steel painted wheels 19.5X6K-127 6-stud disc.

33. FSTAB-COE

a. Front Stabilizer Bar

34. BKBUZZ

a. Backup Buzzer

35. TIRES

a. Front tires- Bridgestone 225/70R 19.5 Rib Patter; Rear Tires-Bridgestone 225/70R 19.5 All Season

36. AXLES

a. Front Axle-Reversed Elliot "I" beam. Front axle capacity is 7,275 lbs.

37. SPRINGS

a. Front Spring: Tapered leaf springs with shock absorbers and auxillary helper leaf spring, 13,669 lb. rating

38. AXLESTD

a. Rear Axle Ratio-Standard 5.57 with Aisin A465 six speed automatic



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **HINO 195 SPECIFICATION #11**

### **2017 Hino 195**

The Hino 195 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$45,980.89	\$45,980.89	\$45,980.89	\$45,980.89

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

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NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	195			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$45,980.89	\$45,980.89	\$45,980.89	\$45,980.89

Order Code	Add Options	All Zones
	114" WB / 92.2" CA	Incl.
	Aisin A465 - 6 speed automatic transmission	Incl.
	No Sales Tax	NA
BFHZA <sup>1</sup>	Block & Fuel Heater	\$118.80 <sup>1</sup>
BLUETOOTH-LO <sup>1</sup>	Bluetooth enabled radio	\$296.10 <sup>1</sup>
CLDR <sup>1</sup>	Cold Package w/Remote Mirror	\$225.00 <sup>1</sup>
CLDR102 <sup>1</sup>	Cold Pack w/Remote 102"Mirror	\$266.40 <sup>1</sup>
	Derate-GVW 17,950lbs	NC
	INSIGHT-2 year add on (3TTL)	\$858.60
	INSIGHT-4 year add on (5TTL)	\$1,421.10
KEYZB <sup>1</sup>	4 key option	\$36.90 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated, Remote	\$118.80 <sup>1</sup>
MRRH102 <sup>1</sup>	Mirrors-102" Heated, Remote	\$160.20 <sup>1</sup>
MRRH10202Z0 <sup>1</sup>	Mirrors Stays- 102" Wide	\$207.00 <sup>1</sup>
	INSIGHT Navigation (1year)	\$213.30
	INSIGHT-Navigation 93year)	\$514.80
	INSIGHT-Navigation (5year)	\$746.10
PWDLK <sup>1</sup>	PowerWindows/Lock, Keyless	\$189.90 <sup>1</sup>
RAR586 <sup>1</sup>	Rear Axle Ratio5.86	NC <sup>1</sup>
RPM1200-LO <sup>1</sup>	PTO Setting 1200RPM-PostProd	\$89.10 <sup>1</sup>
SAFETYKIT-LO <sup>1</sup>	Safety Kit-FireExt/Triangle	\$78.30 <sup>1</sup>
SEATC <sup>1</sup>	Seats-Fabric Magnetic Susp	\$473.40 <sup>1</sup>
SEATJ <sup>1</sup>	Seats-VinylDriver & Bench	NC <sup>1</sup>
ST33 <sup>1</sup>	Fuel Tank-33gal side frame	NC <sup>1</sup>
ST35LO <sup>1</sup>	Additional 35gside fuel tank	\$1,776.60 <sup>1</sup>
CABBLK <sup>1</sup>	Paint-Black	\$331.20 <sup>1</sup>
CABBLU <sup>1</sup>	Paint- Blue	\$331.20 <sup>1</sup>
CABGRN <sup>1</sup>	Paint-Green/Turquoise	\$331.20 <sup>1</sup>
CABRED <sup>1</sup>	Paint-Red	\$331.20 <sup>1</sup>
CABSLV <sup>1</sup>	Paint-Silver	\$331.20 <sup>1</sup>
CABYEL <sup>1</sup>	Paint-Yellow	\$331.20 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>HINO 195H (Specification #12)</u></a>			
Transource, Inc.	2017 Hino 195h	★Appalachia	\$60,875.77
Transource, Inc.	2017 Hino 195h	★Dogwood	\$60,875.77
Transource, Inc.	2017 Hino 195h	★Cardinal	\$60,875.77
Transource, Inc.	2017 Hino 195h	★Longleaf Pine	\$60,875.77



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **HINO 195H** **SPECIFICATION #12**

2017 Hino 195h

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **TRANSMISSION**

- a. Aisin A465 - 6 speed automatic transmission

2. **WHEELBASE**

- a. 137.8"

3. **ENGINE**

- a. Engine - HINO J05E-TP Turbo charged and intercooled, diesel 4 cycle, 4 cylinder, In-line water-cooled; Max Output 210hp @ 2500rpm; Max Torque 440lb.ft. @ 1500rpm; 5L displacement, EPA10 Emissions Certified.

4. **INSIGHTSTD**

- a. INSIGHT hardware. 1 year telematics. 5 years remote diagnostics.

5. **OIL**

- a. Oil Capacity- 9.9 quarts

6. **EXHBRAKE**

- a. Exhaust brake, electric-pneumatic with valve in exhaust pipe.

7. **FUELFILTCOE**

- a. Fuel Filter-Pre Filter Heated Water Separator

8. **ALT**

- a. 12 volt 130 amp brushless alternator

9. **BATTERY**

- a. Two 12 volt parallel connection, 1850 CCA.

10. **STARTER**

- a. 12 volt 4.80 kW Denso starter

11. **HYBRID\_SYSTEM**

- a. NI-MH Battery 288V, Traction Motor (Max 36kW, 258ft-lb), Inverter (max 64KVA), 1.9Kwh Output, Hybrid Adaptive Control System, Idle Stop, Eco Mode, Hybrid Indicator and Eco Lamp

12. **RADIO**

- a. Radio-AM/FM with single CD

13. AIRCOND

- a. Air conditioned

14. DISPLAY

- a. Meter Cluster-Information display: Instant and trip fuel consumption, Diesel Particulate Reduction System performance/status, maintenance intervals, engine and vehicle diagnostics.

15. PWDL-COE

- a. Power Windows and Door Locks

16. GAUGES

- a. Gauges-Speedometer mph (km/h), odometer, fuel/DEF gauges, coolant temp gauge, engine tachometer

17. FTGRILLCOE

- a. Grille-Chrome plated

18. HORNCOE

- a. Horn-Electric Horn

19. HEAT/DEF

- a. Heater/Defroster- 18,596 BTU/h

20. LAMPS

- a. Lighting-Stop/tail lights, marker and identification lamps (roof), back-up lamps

21. MISC

- a. Cab Features-Standard: Cruise control, tilt and telescopic steering. Overhead compartments, door pockets, cup holders, side mirrors (1 flat, 1 convex) on each side

22. SEATS

- a. Seats-Fabric covered reclining high back driver's seat. Fabric passenger foldaway center seat and right fabric passenger seat.

23. INDICATORS

- a. Warning Indicators-Oil pressure, brake fluid, battery charge, high beam, turn signal, parking brake, engine control system and ABS

24. FREIGHT

- a. Equalized Freight Charge

25. COOLSYS

- a. Cooling Capacity- 5.90 gallon cooling system capacity

26. WARRANTY\_05

- a. Warranty-Basic Vehicle-36 months unlimited mileage (exception batteries and expendables), Extended Engine and Vehicle- 60 months or 2000,000 miles (includes injectors, fuel supply pump, turbo, transmission, and rear axle: Emissions- 60 months or 100,000 mile warranty:

27. HWATCH\_05

- a. Hino Watch Roadside Assistance- 3-year unlimited roadside assistance including lockout, \*out of fuel/DEF, battery jumpstart, information, and warranty towing (2 year coverage). \*Fluids are customer pay responsibility. Tire Service-assist customer in arranging for roadside tire service if requested

28. FUELTK

- a. Fuel Tank-30 gallon rear center mount

29. GVWR

- a. GVWR-Gross Vehicle Weight Rating- 19,500 lbs

30. BMP

- a. Bumper- painted, match to cab

31. BRAKES

- a. Brakes-Hydraulic system with disc brakes, hydraulic assist with dual circuit. Brakes: 13.72" diameter x 4.37 x 0.51" thickness.

32. FRAME

- a. Frame straight section ladder type, 33" width, yield strength 56,900 PSI, resistance bending moment 706,800 in./lbs. (two side no reinforcement).

33. WHEELS

- a. Wheels-Steel painted wheels 19.5X6K-127 6-stud disc.

34. FSTAB-COE

- a. Front Stabilizer Bar

35. BKBUZZ

- a. Backup Buzzer

36. TIRES

- a. Front tires- Bridgestone 225/70R 19.5 Rib Patter; Rear Tires-Bridgestone 225/70R 19.5 All Season

37. AXLES

- a. Front Axle-Reversed Elliot "I" beam. Front axle capacity is 7,275 lbs.

38. SPRINGS

- a. Front Spring: Tapered leaf springs with shock absorbers and auxillary helper leaf spring, 13,669 lb. rating

39. AXLESTD

- a. Rear Axle Ratio-Standard 5.57 with Aisin A465 six speed automatic





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 195H SPECIFICATION #12**

#### **2017 Hino 195h**

The Hino 195h purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$60,875.77	\$60,875.77	\$60,875.77	\$60,875.77

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

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NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	195h			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	↵Appalachia	↵Dogwood	↵Cardinal	↵Longleaf Pine
<b>BASE PRICE:</b>	\$60,875.77	\$60,875.77	\$60,875.77	\$60,875.77

Order Code	Add Options	All Zones
	138" WB / 115.8" CA	Incl.
	Aisin A465 - 6 speed automatic transmission	Incl.
BFHZA <sup>1</sup>	Block & Fuel Heater	\$118.80 <sup>1</sup>
BLUETOOTH-LO <sup>1</sup>	Bluetooth enabled radio	\$296.10 <sup>1</sup>
CLDR <sup>1</sup>	Cold Package w/Remote Mirror	\$225.00 <sup>1</sup>
CLDR102 <sup>1</sup>	Cold Pack w/Remote 102"Mirror	\$266.40 <sup>1</sup>
DRT179 <sup>1</sup>	Derate-GVW 17,950lbs	NC <sup>1</sup>
	INSIGHT-2 year add on (3TTL)	\$858.60
	INSIGHT-4 year add on (5TTL)	\$1,421.10
KEYZB <sup>1</sup>	4 key option	\$36.90 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated, Remote	\$118.80 <sup>1</sup>
MRRH102 <sup>1</sup>	Mirrors-102" Heated, Remote	\$160.20 <sup>1</sup>
MRRH102-LO <sup>1</sup>	Mirrors Stays- 102" Wide	\$207.00 <sup>1</sup>
	INSIGHT Navigation (1year)	\$213.30
	INSIGHT-Navigation (3year)	\$514.80
	INSIGHT-Navigation (5year)	\$746.10
PWDLK <sup>1</sup>	PowerWindows/Lock, Keyless	\$189.90 <sup>1</sup>
RAR586 <sup>1</sup>	Rear Axle Ratio5.86	NC <sup>1</sup>
RPM1200-LO <sup>1</sup>	PTO Setting 1200RPM-PostProd	\$89.10 <sup>1</sup>
SAFETYKIT-LO <sup>1</sup>	Safety Kit-FireExt/Triangle	\$78.30 <sup>1</sup>
SEATC <sup>1</sup>	Seats-Fabric Magnetic Susp	\$473.40 <sup>1</sup>
SEATV <sup>1</sup>	Seats-VinylDriver & Bench	NC <sup>1</sup>
ST33 <sup>1</sup>	Fuel Tank-33gal side frame	NA <sup>1</sup>
ST35LO <sup>1</sup>	Additional 35gside fuel tank	NA <sup>1</sup>
CABBLK <sup>1</sup>	Paint-Black	\$331.20 <sup>1</sup>
CABBLU <sup>1</sup>	Paint- Blue	\$331.20 <sup>1</sup>
CABGRN <sup>1</sup>	Paint-Green/Turquoise	\$331.20 <sup>1</sup>
CABRED <sup>1</sup>	Paint-Red	\$331.20 <sup>1</sup>
CABSLV <sup>1</sup>	Paint-Silver	\$331.20 <sup>1</sup>
CABYEL <sup>1</sup>	Paint-Yellow	\$331.20 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>HINO 195DC – (4X2 – REAR LOADER, SIDE LOADER, HOOK LIFT) (Specification #13)</u></a>			
Transource, Inc.	2017 Hino 195DC	★Appalachia	\$49,910.14
Transource, Inc.	2017 Hino 195DC	★Dogwood	\$49,910.14
Transource, Inc.	2017 Hino 195DC	★Cardinal	\$49,910.14
Transource, Inc.	2017 Hino 195DC	★Longleaf Pine	\$49,910.14



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 195DC – (4X2 – REAR LOADER, SIDE LOADER, HOOK LIFT) SPECIFICATION #13**

2017 Hino 195DC

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **TRANSMISSION**

- a. Aisin A465 - 6 speed automatic transmission

2. **WHEELBASE**

- a. 149.6"

3. **ENGINE**

- a. Engine - HINO J05E-TP Turbo charged and intercooled, diesel 4 cycle, 4 cylinder, In-line water-cooled; Max Output 210hp @ 2500rpm; Max Torque 440lb.ft. @ 1500rpm; 5L displacement, EPA10 Emissions Certified.

4. **INSIGHTSTD**

- a. INSIGHT hardware. 1 year telematics. 5 years remote diagnostics.

5. **OIL**

- a. Oil Capacity- 9.9 quarts

6. **EXHBRAKE**

- a. Exhaust brake, electric-pneumatic with valve in exhaust pipe.

7. **FUELFILTCOE**

- a. Fuel Filter-Pre Filter Heated Water Separator

8. **ALT**

- a. 12 volt 130 amp brushless alternator

9. **BATTERY**

- a. Two 12 volt parallel connection, 1244 CCA.

10. **STARTER**

- a. 12 volt 4.80 kW Denso starter

11. **HYBRID\_SYSTEM**

- a. NI-MH Battery 288V, Traction Motor (Max 36kW, 258ft-lb), Inverter (max 64KVA), 1.9Kwh Output, Hybrid Adaptive Control System, Idle Stop, Eco Mode, Hybrid Indicator and Eco Lamp

12. **RADIO**

a. Radio-AM/FM with single CD

13. AIRCOND

a. Air conditioned

14. DISPLAY

a. Meter Cluster-Information display: Instant and trip fuel consumption, Diesel Particulate Reduction System performance/status, maintenance intervals, engine and vehicle diagnostics.

15. PWDL-COE

a. Power Windows and Door Locks

16. GAUGES

a. Gauges-Speedometer mph (km/h), odometer, fuel/DEF gauges, coolant temp gauge, engine tachometer

17. FTGRILLCOE

a. Grille-Chrome plated

18. HORNCOE

a. Horn-Electric Horn

19. HEAT/DEF

a. Heater/Defroster- 18,596 BTU/h

20. LAMPS

a. Lighting-Stop/tail lights, marker and identification lamps (roof), back-up lamps

21. MISC

a. Cab Features-Standard: Cruise control, tilt and telescopic steering. Overhead compartments, door pockets, cup holders, side mirrors (1 flat, 1 convex) on each side

22. SEATS

a. Seats-Fabric covered reclining high back driver's seat. Fabric passenger foldaway center seat and right fabric passenger seat.

23. INDICATORS

a. Warning Indicators-Oil pressure, brake fluid, battery charge, high beam, turn signal, parking brake, engine control system and ABS

24. FREIGHT

a. Equalized Freight Charge

25. COOLSYS

a. Cooling Capacity- 5.90 gallon cooling system capacity

26. WARRANTY\_05

a. Warranty-Basic Vehicle-36 months unlimited mileage (exception batteries and expendables), Extended Engine and Vehicle- 60 months or 2000,000 miles (includes injectors, fuel supply pump, turbo, transmission, and rear axle: Emissions- 60 months or 100,000 mile warranty:

27. HWATCH\_05

a. Hino Watch Roadside Assistance- 3-year unlimited roadside assistance including lockout, \*out of fuel/DEF, battery jumpstart, information, and warranty towing (2 year coverage). \*Fluids are customer pay responsibility. Tire Service-assist customer in arranging for roadside tire service if requested

28. FUELTK

- a. Fuel Tank-30 gallon rear center mount

29. GVWR

- a. GVWR-Gross Vehicle Weight Rating- 19,500 lbs

30. BMP

- a. Bumper- painted, match to cab

31. BRAKES

- a. Brakes-Hydraulic system with disc brakes, hydraulic assist with dual circuit. Brakes: 13.72" diameter x 4.37 x 0.51" thickness.

32. FRAME

- a. Frame straight section ladder type, 33" width, yield strength 56,900 PSI, resistance bending moment 706,800 in./lbs. (two side no reinforcement).

33. WHEELS

- a. Wheels-Steel painted wheels 19.5X6K-127 6-stud disc.

34. FSTAB-COE

- a. Front Stabilizer Bar

35. BKBUZZ

- a. Backup Buzzer

36. TIRES

- a. Front tires- Bridgestone 225/70R 19.5 Rib Patter; Rear Tires-Bridgestone 225/70R 19.5 All Season

37. AXLES

- a. Front Axle-Reversed Elliot "I" beam. Front axle capacity is 7,275 lbs.

38. SPRINGS

- a. Front Spring: Tapered leaf springs with shock absorbers and auxillary helper leaf spring, 13,669 lb. rating

39. AXLESTD

- a. Rear Axle Ratio-Standard 5.57 with Aisin A465 six speed automatic



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 195DC – (4X2 – REAR LOADER, SIDE LOADER, HOOK LIFT) SPECIFICATION #13**

#### **2017 Hino 195DC**

The Hino 195DC purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$49,910.14	\$49,910.14	\$49,910.14	\$49,910.14

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	195DC			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$49,910.14	\$49,910.14	\$49,910.14	\$49,910.14

Order Code	Add Options	All Zones
	150" WB / 87.8" CA	Incl.
	Aisin A465 - 6 speed automatic transmission	Incl.
	No Sales Tax	NA
BFHZA <sup>1</sup>	Block & Fuel Heater	\$118.80 <sup>1</sup>
BLUETOOTH-LO <sup>1</sup>	Bluetooth enabled radio	\$296.10 <sup>1</sup>
CLDR <sup>1</sup>	Cold Package w/Remote Mirror	\$225.00 <sup>1</sup>
CLDR102 <sup>1</sup>	Cold Pack w/Remote 102"Mirror	\$266.40 <sup>1</sup>
DRT179 <sup>1</sup>	Derate-GVW 17,950lbs	NC <sup>1</sup>
	INSIGHT-2 year add on (3TTL)	\$858.60
	INSIGHT-4 year add on (5TTL)	\$1,421.10
KEYZB <sup>1</sup>	4 key option	\$36.90 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated, Remote	\$118.80 <sup>1</sup>
MRRH102 <sup>1</sup>	Mirrors-102" Heated, Remote	\$160.20 <sup>1</sup>
MRRH102-LO <sup>1</sup>	Mirrors Stays- 102" Wide	\$207.00 <sup>1</sup>
	INSIGHT Navigation (1year)	\$213.30
	INSIGHT-Navigation (3year)	\$514.80
	INSIGHT-Navigation (5year)	\$746.10
PWDLK <sup>1</sup>	PowerWindows/Lock, Keyless	\$272.70 <sup>1</sup>
RAR586 <sup>1</sup>	Rear Axle Ratio5.86	NC <sup>1</sup>
RPM1200-LO <sup>1</sup>	PTO Setting 1200RPM-PostProd	\$89.10 <sup>1</sup>
SAFETYKIT-LO <sup>1</sup>	Safety Kit-FireExt/Triangle	\$78.30 <sup>1</sup>
SEATC <sup>1</sup>	Seats-Fabric Magnetic Susp	\$473.40 <sup>1</sup>
SEATV <sup>1</sup>	Seats-VinylDriver & Bench	NC <sup>1</sup>
ST33 <sup>1</sup>	Fuel Tank-33gal side frame	NC <sup>1</sup>
ST35 <sup>1</sup>	Additional 35gside fuel tank	NA <sup>1</sup>
CABBLK <sup>1</sup>	Paint-Black	\$331.20 <sup>1</sup>
CABBLU <sup>1</sup>	Paint- Blue	\$331.20 <sup>1</sup>
CABGRN <sup>1</sup>	Paint-Green/Turquoise	\$331.20 <sup>1</sup>
CABRED <sup>1</sup>	Paint-Red	\$331.20 <sup>1</sup>
CABSLV <sup>1</sup>	Paint-Silver	\$331.20 <sup>1</sup>
CABYEL <sup>1</sup>	Paint-Yellow	\$331.20 <sup>1</sup>





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>HINO 268 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #14)</u></a>			
Transource, Inc.	2017 Hino 268	★Appalachia	\$57,995.33
Transource, Inc.	2017 Hino 268	★Dogwood	\$57,995.33
Transource, Inc.	2017 Hino 268	★Cardinal	\$57,995.33
Transource, Inc.	2017 Hino 268	★Longleaf Pine	\$57,995.33



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 268 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #14**

2017 Hino 268

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **TRANSMISSION**

a. Auto - Allison 2200HS w/Syn Fluids (non-PTO). w/ FuelSense

2. **WHEELBASE**

a. 152"

3. **ENGINE**

a. Engine - HINOJ08E-WU Turbo charged and intercooled with glow plugs, 6 cylinder, In-line water-cooled; Max Output 230hp @ 2500rpm; Max Torque 520lb.ft. @ 1500rpm; 7.68L displacement

4. **INSIGHTSTD**

a. INSIGHT hardware. 1 year telematics. 5 years remote diagnostics.

5. **OIL**

a. Oil Capacity- 16.15 quarts

6. **EXHBRAKE**

a. Exhaust Brake, driver control w/steering column Stalk Switch.

7. **FUELFILTCOE**

a. Fuel Filter-Pre Filter Heated Water Separator

8. **ALT**

a. Alternator-Delco 12 volt 130 amp Brush Type

9. **BATTERY**

a. Two 12 volt parallel connection, 600 CCA x 2. GR31.

10. **STARTER**

a. Denso 12 volt 4.80 kW / 6.4 HP rating

11. **HYBRID\_SYSTEM**

a. NI-MH Battery 288V, Traction Motor (Max 36kW, 258ft-lb), Inverter (max 64KVA), 1.9Kwh Output, Hybrid Adaptive Control System, Idle Stop, Eco Mode, Hybrid Indicator and Eco Lamp

12. RADIO

- a. Radio-AM/FM with single CD, bluetooth, two speakers.

13. AIRCOND

- a. Air Conditioned-Denso Cab AC System designed specifically for Hino-Refrigerant 134A

14. DISPLAY

- a. Meter Cluster-Information display: Instant and trip fuel consumption, Diesel Particulate Reduction System performance/status, maintenance intervals, engine and vehicle diagnostics.

15. PWDL-COE

- a. Power Windows and Door Locks

16. GAUGES

- a. Gauges-Speedometer mph (km/h), odometer, fuel/DEF gauges, coolant temp gauge, engine tachometer, air pressure gauge.

17. FTGRILLCOE

- a. Grille-Chrome plated

18. HORNCOE

- a. Horn-Electric Horn

19. HEAT/DEF

- a. Heater/Defroster- 18,596 BTU/h

20. LAMPS

- a. Lighting-Marker lamps, stop/tail lights, back-up lights, side-flasher lights.

21. MISC

- a. Cab Features-Standard: Cruise control, power steering with tilt and telescopic steering column, cup holders, cigarette lighter, coat hook, bag hook, two overhead compartments, two door pockets, sun visors, side mirrors (1 flat, 1 convex) on each side

22. SEATS

- a. Seats-Vinyl driver seat adjustable reclining, with AIR suspension and two person passenger bench seat. Three point seatbelt for driver and outer passenger, two point seatbelt for center position.

23. INDICATORS

- a. Warning Indicators-Oil pressure, brake pressure, coolant level, battery charge, high beam, turn signal, parking brake, engine control system and ABS

24. FREIGHT

- a. Equalized Freight Charge

25. COOLSYS

- a. Cooling Capacity- 7.075 gallon cooling system capacity

26. WARRANTY\_05

- a. Warranty-Basic Vehicle-24 months unlimited mileage; Engine-36 months unlimited mileage; Engine-60 month Extended Coverage, 250,000 miles (includes injectors, fuel supply pump, and turbo); Emission-60 months 100,000 miles; Frame Rails & Cross Members-48 months unlimited mileage, Cab-48 months unlimited mileage; ABS-24-36 months 300,000 miles.

27. HWATCH\_05

- a. Hino Watch Roadside Assistance- 3-year unlimited roadside assistance including lockout, \*out of fuel/DEF, battery jumpstart, information, and warranty towing (2 year coverage). \*Fluids are customer pay responsibility. Tire Service-assist customer in arranging for roadside tire service if requested

28. FUELTK

- a. Fuel Tank-Aluminum 50 gallon capacity. Clean CA position (drivers side mounted).

29. GVWR

- a. GVWR-Gross Vehicle Weight Rating- 25,950 lbs

30. BMP

- a. Bumper- painted, match to cab

31. BRAKES

- a. Brakes-Hydraulic dual circuit with Antilock Brake System (ABS). Front Brakes; 15.375" diameter x 18.96" x 0.74" thickness:Rear Brakes: 15.375 x 18.96 x 0.74". Drum diameter 12" Meritor for automatic transmission, 9" Bosch for manual transmission.

32. FRAME

- a. Frame-Straight C Channel frame, ladder type, powder coated, 34" wide, yield strength 80,000 PSI, resistance bending moment (RBM) 1,031,900 in./lbs. (one side no reinforcement).

33. WHEELS

- a. Wheels-Accuride powder coated 22.5" x 8.25" 10-stud disc..

34. FSTAB-COE

- a. Front Stabilizer Bar

35. BKBUZZ

- a. Backup Buzzer

36. TIRES

- a. Front tires- Bridgestone 11R 22.5 R268 Rib pattern: Rear tires- Bridgestone 11R 22.5 M726EL Lug pattern.

37. AXLES

- a. Front Axle Meritor MFS10, 10,000 lb. capacity, Reverse Elliot "I" beam oil lubricated hubs.Rear Axle-Meritor RS19-145, 19,000 lb. capacity, full-floating single reduction single speed hypoid gearing

38. SPRINGS

- a. Front Spring: Tapered leaf springs with shock absorbers, 12,000 lb. rating; Rear Spring: Semi-elliptical main, 21,000 lb. rating.

39. AXLESTD

- a. Rear Axle Ratio-Standard 5.57

40. FUELFILT

- a. Fuel Filter-Davco 243 Diesel pro heated fuel/water separator.(Diesel Pro 243)

41. FTGRILL

- a. Grille-Chrome plated

42. HORN

- a. Horn-Electric Dual Horn

43. AIRTANK

- a. Air Tank- 34 liter tank (9 gallon capacity)

44. AIRDRYER

- a. Air Dryer-Nabtesco heated air dryer.



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 268 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #14**

#### **2017 Hino 268**

The Hino 268 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$57,995.33	\$57,995.33	\$57,995.33	\$57,995.33

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

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<b>VEHICLE:</b>	268			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$57,995.33	\$57,995.33	\$57,995.33	\$57,995.33

Order Code	Add Options	All Zones
	150" WB / 84.8" CA	Incl.
	Auto-Allison 2200HS w/Syn Fluids (non-PTO). w/ FuelSense	Incl.
260HD <sup>1</sup>	260HP Engine	\$1,154.70 <sup>1</sup>
ALT135A <sup>1</sup>	Alternator Brushless	\$207.00 <sup>1</sup>
ALT180A <sup>1</sup>	Alternator Brushless 180	\$236.70 <sup>1</sup>
ALT200A <sup>1</sup>	Alternator Brushless 200	\$284.40 <sup>1</sup>
ANTSPH1 <sup>1</sup>	Anti-Siphon Device (single)	\$44.10 <sup>1</sup>
ANTSPH2 <sup>1</sup>	Anti-Siphon Device (dual)	\$87.30 <sup>1</sup>
ASDZH1 <sup>1</sup>	Air Susp Dump Valve-Single	\$135.90 <sup>1</sup>
ASDZH2 <sup>1</sup>	Air Susp-Dump Valve-dual Lvl	\$372.60 <sup>1</sup>
BATZC <sup>1</sup>	Battery-GR31x3	\$128.70 <sup>1</sup>
BATZD <sup>1</sup>	Battery-AGN31 (Glass Mat)	\$207.00 <sup>1</sup>
BBUZZ <sup>1</sup>	Backup Buzzer	\$112.50 <sup>1</sup>
BMPB <sup>1</sup>	Bumper-Black	\$116.10 <sup>1</sup>
BMPB3P4 <sup>1</sup>	Bumper-Black 3pc/4" extended	\$214.20 <sup>1</sup>
BMPB4 <sup>1</sup>	Bumper-Black 4" extended	\$108.00 <sup>1</sup>
BMPC <sup>1</sup>	Bumper-Chrome	\$568.80 <sup>1</sup>
BMPC4 <sup>1</sup>	Bumper-Chrome 4" extended	\$596.70 <sup>1</sup>
BMPW3P <sup>1</sup>	Bumper-White 3piece	\$108.00 <sup>1</sup>
BMPW3P4 <sup>1</sup>	Bumper-White 3pc/4" extended	\$214.20 <sup>1</sup>
BMPW4 <sup>1</sup>	Bumper-White 4" extended	\$108.00 <sup>1</sup>
CLTZA <sup>1</sup>	Clutch-Single Plate Sole	\$102.60 <sup>1</sup>
CLTZC <sup>1</sup>	Clutch-Single Plate Solo	\$435.60 <sup>1</sup>
D68AR <sup>1</sup>	Air Suspension-Hendrickson	\$1,709.10 <sup>1</sup>
ENGSHUT <sup>1</sup>	Electric Eng Shutdown Protec	\$18.00 <sup>1</sup>
ENGSHUT-LO <sup>1</sup>	Electric ENG Shutdown Protec	\$23.40 <sup>1</sup>
FNDMIR-LO <sup>1</sup>	Mirrors-Fender(post-prod)	\$236.70 <sup>1</sup>
FNDMRR-LO <sup>1</sup>	Mirrors-Fender Psngr Side Only	\$130.50 <sup>1</sup>
GRWH4 <sup>1</sup>	Gray Wheels	\$96.30 <sup>1</sup>
HOOK2 <sup>1</sup>	Bumper Tow Hooks-One eachside	\$59.40 <sup>1</sup>
HORZA <sup>1</sup>	Air Horn	\$100.80 <sup>1</sup>
	INSIGHT-2YEAR ADD ON (3TTL)	\$858.60
	INSIGHT-4YEAR ADD ON (5TTL)	\$1,421.10
KEYZA <sup>1</sup>	Keyed Alike	\$37.80 <sup>1</sup>

<b>VEHICLE:</b>	268			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$57,995.33	\$57,995.33	\$57,995.33	\$57,995.33

KEYZB <sup>1</sup>	Keys (qty.4) n/a w/KEYZA	\$37.80 <sup>1</sup>
MRC <sup>1</sup>	Mirrors-Chrone	\$217.80 <sup>1</sup>
MRRCH <sup>1</sup>	Mirrors-Chrone Heated Remote	\$509.40 <sup>1</sup>
MRRCH <sup>1</sup>	Mirrors-Chrone Heated Remote	\$509.40 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated, Remote	\$318.60 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated, Remote	\$318.60 <sup>1</sup>
	INSIGHT -Navigation (1year)	\$213.30
	INSIGHT -Navigation (3year)	\$514.80
	INSIGHT -Navigation (5year)	\$746.10
ORNGBLT <sup>1</sup>	Seat Belts-Safety Orange	\$142.20 <sup>1</sup>
	PDI at Factory	Incl.
PWDL <sup>1</sup>	Power Windows& Door Locks	\$443.70 <sup>1</sup>
PWDLK <sup>1</sup>	Power Windows/Locks,Keyless	\$710.10 <sup>1</sup>
R373MT <sup>1</sup>	Rear AxleRation 3.73MT	NC <sup>1</sup>
R390MT <sup>1</sup>	Rear Axle Ration 3.90MT	NC <sup>1</sup>
R513MT <sup>1</sup>	Rear Axle Ration 5.13AT	NC <sup>1</sup>
R529MT <sup>1</sup>	Rear Axle Ration5.29AT	NC <sup>1</sup>
	DifferentialLock w/controls	NA
RPM1200 <sup>1</sup>	PTO Setting1200RPM	\$18.00 <sup>1</sup>
RPM1600 <sup>1</sup>	PTO Setting1600RPM	\$18.00 <sup>1</sup>
RPM1800 <sup>1</sup>	PTO Setting1800RPM	\$18.00 <sup>1</sup>
RSHOCK <sup>1</sup>	Shock-Rear	\$385.20 <sup>1</sup>
RSPRING <sup>1</sup>	Rear-Spring (subleaf)	\$272.70 <sup>1</sup>
RSTAB <sup>1</sup>	Stabilizer-Rear	\$1,776.60 <sup>1</sup>
SAFETYKIT <sup>1</sup>	Safety Kit-FireExt/Triangle	\$100.80 <sup>1</sup>
SAFETYKIT-LO <sup>1</sup>	Safety Kit-FireExt/Triangle	\$106.20 <sup>1</sup>
S70 <sup>1</sup>	Seats-Sears 70Fabric Driver	\$562.50 <sup>1</sup>
S70-LO <sup>1</sup>	Seats-Sears 70Fabric Driver	\$888.30 <sup>1</sup>
S70V <sup>1</sup>	Seats-Sears 70Vinyl Driver	\$562.50 <sup>1</sup>
S70V-LO <sup>1</sup>	Seats-Sears 70Vinyl Driver OL	\$888.30 <sup>1</sup>
S70DUAL <sup>1</sup>	Seats-Sears 70Fabric Drv/Psg	\$1,125.00 <sup>1</sup>
S70DUAL-LO <sup>1</sup>	Seats-Sears 70Fabric D/P LO	\$1,657.80 <sup>1</sup>
S70VDUAL <sup>1</sup>	Seats-Sears 70Vinyl Drv/Psg	\$1,125.00 <sup>1</sup>
S70VDUAL-LO <sup>1</sup>	Seats-Sears 70Vinyl D/P post p	\$1,657.80 <sup>1</sup>
SEAT2F <sup>1</sup>	Seat-Fabric 1man passenger	\$47.70 <sup>1</sup>
SEAT2V <sup>1</sup>	Seat-Vinyl 1man passenger	\$18.00 <sup>1</sup>
SEAT3F <sup>1</sup>	Seat-Fabric 2man bench pass	\$89.10 <sup>1</sup>



<b>VEHICLE:</b>	268			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$57,995.33	\$57,995.33	\$57,995.33	\$57,995.33

STD50X2 <sup>1</sup>	Fuel Tank-Dual50 gallon	\$710.10 <sup>1</sup>
STD70X1 <sup>1</sup>	Fuel Tank-Single 70 gal	\$296.10 <sup>1</sup>
STD90X1 <sup>1</sup>	Fuel Tank-Single 90 gal	\$414.90 <sup>1</sup>
STD90X1-LO <sup>1</sup>	Fuel Tank-SSingle 95 g postpro	\$621.90 <sup>1</sup>
	Rear Rib Tires-BS	NC
ICAPS <sup>1</sup>	Tire Valve AirCap	\$11.70 <sup>1</sup>
TSIZE05 <sup>1</sup>	Tire255/70R22.5Bridgestone	\$135.00 <sup>1</sup>
TSIZE06 <sup>1</sup>	Tire295/75R22.5Bridgestone	\$135.90 <sup>1</sup>
VPIPE <sup>1</sup>	Vertical Exhaust	\$769.50 <sup>1</sup>
XSWITCH <sup>1</sup>	Additional DashSwitch	\$23.40 <sup>1</sup>
Z01TRAN <sup>1</sup>	SyntheticFluids-EatonTrans	\$135.90 <sup>1</sup>
Z01DIF <sup>1</sup>	Syn Fluid-RearDiff Axle	\$125.10 <sup>1</sup>
Z05XD <sup>1</sup>	Wheels AluminumSteel Inner	\$1,006.20 <sup>1</sup>
Z05XH <sup>1</sup>	Wheels Alum-Inner and Outer	\$1,510.20 <sup>1</sup>
	Wheels Dura-BrightInner/Outer	NA
Z05XH <sup>1</sup>	Wheels AlumDB polished all6	\$1,510.20 <sup>1</sup>
PNTB <sup>1</sup>	Paint-Black	NC <sup>1</sup>
PNTR <sup>1</sup>	Paint-Red	NC <sup>1</sup>
	Manual Transmission	NC
HBERS <sup>1</sup>	AllisonAutomatic 2200RDS (PTO)Trasmission	\$135.90 <sup>1</sup>
HBERS25 <sup>1</sup>	AllisonAutomatic 2500RDS (PTO)Trasmission	\$135.90 <sup>1</sup>
	Wheelbase(152"-271")	NC



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>HINO 268A – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #15)</u></a>			
Transource, Inc.	2017 Hino 268A	★Appalachia	\$58,398.33
Transource, Inc.	2017 Hino 268A	★Dogwood	\$58,398.33
Transource, Inc.	2017 Hino 268A	★Cardinal	\$58,398.33
Transource, Inc.	2017 Hino 268A	★Longleaf Pine	\$58,398.33



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 268A – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #15**

2017 Hino 268A

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **TRANSMISSION**

a. Auto - Allison 2200RDS w/Syn Fluids(PTO). w/ FuelSense

2. **WHEELBASE**

a. 152"

3. **ENGINE**

a. Engine - HINOJ08E-WU Turbo charged and intercooled with glow plugs, 6 cylinder, In-line water-cooled; Max Output 230hp @2500rpm; Max Torque 520lb.ft. @ 1500rpm; 7.68L displacement

4. **INSIGHTSTD**

a. INSIGHT hardware. 1 year telematics. 5 years remote diagnostics.

5. **OIL**

a. Oil Capacity- 16.15 quarts

6. **EXHBRAKE**

a. Exhaust Brake, driver control w/steering column Stalk Switch.

7. **FUELFILTCOE**

a. Fuel Filter-Pre Filter Heated Water Separator

8. **ALT**

a. Alternator-Delco 12 volt 130 amp Brush Type

9. **BATTERY**

a. Two 12 volt parallel connection, 600 CCA x 2. GR31.

10. **STARTER**

a. Denso 12 volt 4.80 kW / 6.4 HP rating

11. **HYBRID\_SYSTEM**

a. NI-MH Battery 288V, Traction Motor (Max 36kW, 258ft-lb), Inverter (max 64KVA), 1.9Kwh Output, Hybrid Adaptive Control System, Idle Stop, Eco Mode, Hybrid Indicator and Eco Lamp

12. RADIO

- a. Radio-AM/FM with single CD, bluetooth, two speakers.

13. AIRCOND

- a. Air Conditioned-Denso Cab AC System designed specifically for Hino-Refrigerant 134A

14. DISPLAY

- a. Meter Cluster-Information display: Instant and trip fuel consumption, Diesel Particulate Reduction System performance/status, maintenance intervals, engine and vehicle diagnostics.

15. PWDL-COE

- a. Power Windows and Door Locks

16. GAUGES

- a. Gauges-Speedometer mph (km/h), odometer, fuel/DEF gauges, coolant temp gauge, engine tachometer, air pressure gauge.

17. FTGRILLCOE

- a. Grille-Chrome plated

18. HORNCOE

- a. Horn-Electric Horn

19. HEAT/DEF

- a. Heater/Defroster- 18,596 BTU/h

20. LAMPS

- a. Lighting-Marker lamps, stop/tail lights, back-up lights, side-flasher lights.

21. MISC

- a. Cab Features-Standard: Cruise control, power steering with tilt and telescopic steering column, cup holders, cigarette lighter, coat hook, bag hook, two overhead compartments, two door pockets, sun visors, side mirrors (1 flat, 1 convex) on each side

22. SEATS

- a. Seats-Vinyl driver seat adjustable reclining, with AIR suspension and two person passenger bench seat. Three point seatbelt for driver and outer passenger, two point seatbelt for center position.

23. INDICATORS

- a. Warning Indicators-Oil pressure, brake pressure, coolant level, battery charge, high beam, turn signal, parking brake, engine control system and ABS

24. FREIGHT

- a. Equalized Freight Charge

25. COOLSYS

- a. Cooling Capacity- 7.075 gallon cooling system capacity

26. WARRANTY\_05

- a. Warranty-Basic Vehicle-24 months unlimited mileage; Engine-36 months unlimited mileage; Engine-60 month Extended Coverage, 250,000 miles (includes injectors, fuel supply pump, and turbo); Emission-60 months 100,000 miles; Frame Rails & Cross Members-48 months unlimited mileage, Cab-48 months unlimited mileage; ABS-24-36 months 300,000 miles.

27. HWATCH\_05

- a. Hino Watch Roadside Assistance- 3-year unlimited roadside assistance including lockout, \*out of fuel/DEF, battery jumpstart, information, and warranty towing (2 year coverage). \*Fluids are customer pay responsibility. Tire Service-assist customer in arranging for roadside tire service if requested

28. FUELTK

- a. Fuel Tank-Aluminum 50 gallon capacity. Clean CA position (drivers side mounted).

29. GVWR

- a. GVWR-Gross Vehicle Weight Rating- 25,950 lbs.

30. BMP

- a. Bumper- painted, match to cab

31. BRAKES

- a. Brakes-Full air circuit "S" cam type, leading and trailing shoes with automatic adjustment and Antilock Brake System (ABS). Front Brakes:15.0" diameter x 4.0" x 0.73" thickness: Rear Brakes: 16.5" x 7.0" x 0.85".

32. FRAME

- a. Frame-Straight C Channel frame, ladder type, powder coated, 34" wide, yield strength 80,000 PSI, resistance bending moment (RBM) 1,031,900 in./lbs. (one side no reinforcement).

33. WHEELS

- a. Wheels-Accuride powder coated 22.5" x 8.25" 10-stud disc..

34. EStAB-COE

- a. Front Stabilizer Bar

35. BKBUZZ

- a. Backup Buzzer

36. TIRES

- a. Front tires- Bridgestone 11R 22.5 R268 Rib pattern: Rear tires- Bridgestone 11R 22.5 M726EL Lug pattern.

37. AXLES

- a. Front Axle Meritor MFS10, 10,000 lb. capacity, Reverse Elliot "I" beam oil lubricated hubs.Rear Axle-Meritor RS19-145, 19,000 lb. capacity, full-floating single reduction single speed hypoid gearing

38. SPRINGS

- a. Front Spring: Tapered leaf springs with shock absorbers, 12,000 lb. rating; Rear Spring: Semi-elliptical main, 21,000 lb. rating.

39. AXLESTD

- a. Rear Axle Ratio-Standard 5.57

40. FUELFILT

- a. Fuel Filter-Davco 243 Diesel pro heated fuel/water separator.(Diesel Pro 243)

41. FTGRILL

- a. Grille-Chrome plated

42. HORN

- a. Horn-Electric Dual Horn

43. AIRTANK

a. Air Tank- 34 liter tank (68L total), (15cfm@1250rpm)

44. AIRDRYER

a. Air Dryer-Bendix-AD-IS (Air Dryer Integrated Solution)heated air dryer.

45. BLHZASTD

a. Engine block heater (1000W / 120ACV)

46. FUELFILT

a. Fuel Filter-Davco 243 Diesel pro Heated fuel/water separator.(Diesel Pro 243)



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 268A – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #15**

#### **2017 Hino 268A**

The Hino 268A purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$58,398.33	\$58,398.33	\$58,398.33	\$58,398.33

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	268A			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$58,398.33	\$58,398.33	\$58,398.33	\$58,398.33

Order Code	Add Options	All Zones
	152" WB / 84.8" CA	NC
	Auto-Allison 2200HS w/Syn Fluids (non-PTO). w/ FuelSense	Incl.
	Frame Rail-120Kpsi	NA
ALT135A <sup>1</sup>	Alternator Brushless	\$207.00 <sup>1</sup>
ALT180A <sup>1</sup>	Alternator Brushless 180	\$236.70 <sup>1</sup>
ANTSPH1 <sup>1</sup>	Anti-Siphon Device(single)	\$44.10 <sup>1</sup>
ANTSPH2 <sup>1</sup>	Anti-Siphon Device(dual)	\$87.30 <sup>1</sup>
ASDZH1 <sup>1</sup>	Air Susp DumpValve-Single Lvl	\$135.90 <sup>1</sup>
ASDZH2 <sup>1</sup>	Air Susp-DumpValve-dual Lvl	\$372.60 <sup>1</sup>
BATZC <sup>1</sup>	Battery-GR31x3	\$128.70 <sup>1</sup>
BATZD <sup>1</sup>	Battery-AGM31 (Glass Mat)	\$207.00 <sup>1</sup>
BBUZZ <sup>1</sup>	Backup Buzzer	\$112.50 <sup>1</sup>
BMPB <sup>1</sup>	Bumper-Black	\$116.10 <sup>1</sup>
BMPB3P4 <sup>1</sup>	Bumper-Black 3pc/4" extended	\$214.20 <sup>1</sup>
BMPB4 <sup>1</sup>	Bumper-Black 4" extended	\$108.00 <sup>1</sup>
BMPC <sup>1</sup>	Bumper-Chrome	\$568.88 <sup>1</sup>
BMPC4 <sup>1</sup>	Bumper-Chrome4" extended	\$596.70 <sup>1</sup>
BMPW3P <sup>1</sup>	Bumper-White 3 piece	\$108.00 <sup>1</sup>
BMP3P4 <sup>1</sup>	Bumper-White 3 pc/4" extended	\$214.20 <sup>1</sup>
BMPW4 <sup>1</sup>	Bumper-White 4" extended	\$108.00 <sup>1</sup>
CLTZA <sup>1</sup>	Clutch-Twin Plate Solo	\$435.60 <sup>1</sup>
D68AR <sup>1</sup>	Air Suspension-Hendrickson	\$1,709.10 <sup>1</sup>
	Air suspension-Severe Duty	NA
	Rt 25,950,Axle10/21,Sprg12/21	NA
	De-Tate VIN 10/2126K	NA
ENGSHT <sup>1</sup>	Electric Eng Shutdown Protec	\$18.00 <sup>1</sup>
ENGSHT-LO <sup>1</sup>	Electric ENG Shutdown Protec	\$23.40 <sup>1</sup>
FNDMIR-LO <sup>1</sup>	Mirrors-Fender(post-prod)	\$236.70 <sup>1</sup>
FNDMRR-LO <sup>1</sup>	Mirrors-FenderPsngr Side Only	\$130.50 <sup>1</sup>
GRWH4 <sup>1</sup>	Gray Wheels	\$96.30 <sup>1</sup>
HOOK2 <sup>1</sup>	Bumper TowHooks-One eachside	\$59.40 <sup>1</sup>
HORZA <sup>1</sup>	Air Horn	\$100.80 <sup>1</sup>
	INSIGHT-2YEAR ADD ON (3TTL)	\$858.60
	INSIGHT-4YEAR ADD ON (5TTL)	\$1,421.10



<b>VEHICLE:</b>	268A			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$58,398.33	\$58,398.33	\$58,398.33	\$58,398.33

KEYZA <sup>1</sup>	Keyed Alike	\$37.80 <sup>1</sup>
KEYZB <sup>1</sup>	Keys (qty.4) n/a w/KEYZA	\$37.80 <sup>1</sup>
MRC <sup>1</sup>	Mirrors-Chrone	\$217.80 <sup>1</sup>
MRRCH <sup>1</sup>	Mirrors-Chrone Heated Remote	\$509.40 <sup>1</sup>
MRRCH-LO <sup>1</sup>	Mirrors-Chrone Heated Remote	\$739.80 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated, Remote	\$318.60 <sup>1</sup>
MRRH-LO <sup>1</sup>	Mirrors-Heated, Remote	\$532.80 <sup>1</sup>
	INSIGHT -Navigation (1year)	\$213.30
	INSIGHT -Navigation (3year)	\$514.80
	INSIGHT -Navigation (5year)	\$746.10
ORNGBLT <sup>1</sup>	Seat Belts-Safety Orange	\$142.20 <sup>1</sup>
	PDI at Factory	Incl.
PWDL <sup>1</sup>	Power Windows& Door Locks	\$443.70 <sup>1</sup>
PWDLK <sup>1</sup>	Power Windows/Locks,Keyless	\$710.10 <sup>1</sup>
	Rear AxleRation 3.73MT	NC
	Rear Axle Ration 3.90MT	NC
	Rear Axle Ration 5.13AT	NC
	Rear Axle Ration 5.29AT	NC
DIFFLOK <sup>1</sup>	Differential Lock w/controls	\$1,035.90 <sup>1</sup>
RPM1200 <sup>1</sup>	PTO Setting 1200RPM	\$18.00 <sup>1</sup>
RPM1600 <sup>1</sup>	PTO Setting 1600RPM	\$18.00 <sup>1</sup>
RPM1800 <sup>1</sup>	PTO Setting 1800RPM	\$18.00 <sup>1</sup>
RSHOCK <sup>1</sup>	Shock-Rear	\$385.20 <sup>1</sup>
RSPRING <sup>1</sup>	Rear-Spring (subleaf)	\$272.70 <sup>1</sup>
RSTAB <sup>1</sup>	Stabilizer-Rear	\$1,776.60 <sup>1</sup>
SAFETYKIT <sup>1</sup>	Safety Kit-FireExt/Triangle	\$100.80 <sup>1</sup>
SAFETYKIT-LO <sup>1</sup>	Safety Kit-FireExt/Triangle	\$106.20 <sup>1</sup>
S70 <sup>1</sup>	Seats-Sears 70Fabric Driver	\$562.50 <sup>1</sup>
S70-LO <sup>1</sup>	Seats-Sears 70Fabric Driver	\$888.30 <sup>1</sup>
S70V <sup>1</sup>	Seats-Sears 70Vinyl Driver	\$562.50 <sup>1</sup>
S70V-LO <sup>1</sup>	Seats-Sears 70Vinyl Driver OL	\$888.30 <sup>1</sup>
S70DUAL <sup>1</sup>	Seats-Sears 70Fabric Drv/Psg	\$1,125.00 <sup>1</sup>
S70DUAL-LO <sup>1</sup>	Seats-Sears 70Fabric D/P LO	\$1,657.80 <sup>1</sup>
S70VDUAL <sup>1</sup>	Seats-Sears 70Vinyl Drv/Psg	\$1,125.00 <sup>1</sup>
S70VDUAL-LO <sup>1</sup>	Seats-Sears 70Vinyl D/P post p	\$1,657.80 <sup>1</sup>
SEAT2F <sup>1</sup>	Seat-Fabric 1man passenger	\$47.70 <sup>1</sup>
SEAT2V <sup>1</sup>	Seat-Vinyl 1man passenger	\$18.00 <sup>1</sup>

<b>VEHICLE:</b>	268A			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$58,398.33	\$58,398.33	\$58,398.33	\$58,398.33

SEAT3F <sup>1</sup>	Seat-Fabric 2man bench pass	\$89.10 <sup>1</sup>
STD50X1 <sup>1</sup>	Fuel Tank-Dual50 gallon	\$710.10 <sup>1</sup>
STD70X1 <sup>1</sup>	Fuel Tank-Single 70 gal	\$296.10 <sup>1</sup>
STD90X1 <sup>1</sup>	Fuel Tank-Single 90 gal	\$414.90 <sup>1</sup>
STD95X1-LO <sup>1</sup>	Fuel Tank-SSingle 95 g postpro	\$621.90 <sup>1</sup>
	Rear Rib Tires-BS	NC
ICAPS <sup>1</sup>	Tire Valve AirCap	\$11.70 <sup>1</sup>
TSIZE05 <sup>1</sup>	Tire- 255/70R22.5Bridgestone	\$135.00 <sup>1</sup>
TSIZE06 <sup>1</sup>	Tire-295/75R22.5Bridgestone	\$135.90 <sup>1</sup>
VPIPE <sup>1</sup>	Vertical Exhaust	\$769.50 <sup>1</sup>
XSWITCH <sup>1</sup>	Additional DashSwitch	\$23.40 <sup>1</sup>
Z01TRANS <sup>1</sup>	SyntheticFluids-EatonTrans	\$135.90 <sup>1</sup>
Z01DIFF <sup>1</sup>	Syn Fluid-RearDiff Axle	\$125.10 <sup>1</sup>
Z05XD <sup>1</sup>	Wheels Aluminum-Steel Inner	\$1,006.20 <sup>1</sup>
	Wheels Alum-Inner and Outer	NA
	Wheels Dura-BrightInner/Outer	NA
Z05XH <sup>1</sup>	Wheels AlumDB polished all6	\$1,510.20 <sup>1</sup>
PNTB <sup>1</sup>	Paint-Black	NC <sup>1</sup>
PNTR <sup>1</sup>	Paint-Red	NC <sup>1</sup>
	Manual Transmission	NC
HBERS <sup>1</sup>	Allison Automatic 2200RDS (PTO)Trasmission	\$135.90 <sup>1</sup>
HBERS25 <sup>1</sup>	AllisonAutomatic 2500RDS PTO)Trasmission	\$135.90 <sup>1</sup>
	Wheelbase(152"-271")	NC
	Auto-Allison 2200HS w/Syn Fluids (non-PTO). w/FluelSense	Incl.



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>HINO 338- (4X2 - REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #16)</u></a>			
Transource, Inc.	2017 Hino 338	★Appalachia	\$61,118.58
Transource, Inc.	2017 Hino 338	★Dogwood	\$61,118.58
Transource, Inc.	2017 Hino 338	★Cardinal	\$61,118.58
Transource, Inc.	2017 Hino 338	★Longleaf Pine	\$61,118.58



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 338– (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #16**

2017 Hino 338

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. **TRANSMISSION**

a. Auto - Allison 2500RDS w/Syn Fluids(PTO). w/ FuelSense

2. **WHEELBASE**

a. 152"

3. **ENGINE**

a. Engine - HINOJ08E-VB Turbo charged and intercooled with glow plugs, 6 cylinder, In-line water-cooled; Max Output 260hp @2500rpm; Max Torque 660lb.ft. @ 1500rpm; 7.68L displacement, EPA10 Emissions Certified

4. **INSIGHTSTD**

a. INSIGHT hardware. 1 year telematics. 5 years remote diagnostics.

5. **OIL**

a. Oil Capacity- 16.15 quarts

6. **EXHBRAKE**

a. Exhaust Brake, driver control w/steering column Stalk Switch.

7. **FUELFILTCOE**

a. Fuel Filter-Pre Filter Heated Water Separator

8. **ALT**

a. Alternator-Delco 12 volt 130 amp Brush Type

9. **BATTERY**

a. Two 12 volt parallel connection, 600 CCA x 2. GR31.

10. **STARTER**

a. Starter-Denso 12 volt 4.80 kW / 6.4 HP rating

11. **HYBRID\_SYSTEM**

a. NI-MH Battery 288V, Traction Motor (Max 36kW, 258ft-lb), Inverter (max 64KVA), 1.9Kwh Output, Hybrid Adaptive Control System, Idle Stop, Eco Mode, Hybrid Indicator and Eco Lamp

12. RADIO

- a. Radio-AM/FM with single CD, bluetooth, two speakers.

13. AIRCOND

- a. Air Conditioned-Denso Cab AC System designed specifically for Hino-Refrigerant 134A

14. DISPLAY

- a. Meter Cluster-Information display: Instant and trip fuel consumption, Diesel Particulate Reduction System performance/status, maintenance intervals, engine and vehicle diagnostics.

15. PWDL-COE

- a. Power Windows and Door Locks

16. GAUGES

- a. Gauges-Speedometer mph (km/h), odometer, fuel/DEF gauges, coolant temp gauge, engine tachometer, air pressure gauge.

17. FTGRILLCOE

- a. Grille-Chrome plated

18. HORNCOE

- a. Horn-Electric Horn

19. HEAT/DEF

- a. Heater/Defroster- 18,596 BTU/h

20. LAMPS

- a. Lighting-Marker lamps, stop/tail lights, back-up lights, side-flasher lights.

21. MISC

- a. Cab Features-Standard: Cruise control, power steering with tilt and telescopic steering column, cup holders, cigarette lighter, coat hook, bag hook, two overhead compartments, two door pockets, sun visors, side mirrors (1 flat, 1 convex) on each side

22. SEATS

- a. Seats-Vinyl driver seat adjustable reclining, with AIR suspension and two person passenger bench seat. Three point seatbelt for driver and outer passenger, two point seatbelt for center position.

23. INDICATORS

- a. Warning Indicators-Oil pressure, brake pressure, coolant level, battery charge, high beam, turn signal, parking brake, engine control system and ABS

24. FREIGHT

- a. Equalized Freight Charge

25. COOLSYS

- a. Cooling Capacity- 7.075 gallon cooling system capacity

26. WARRANTY\_05

- a. Warranty-Basic Vehicle-24 months unlimited mileage; Engine-36 months unlimited mileage; Engine-60 month Extended Coverage, 250,000 miles (includes injectors, fuel supply pump, and turbo); Emission-60 months 100,000 miles; Frame Rails & Cross Members-48 months unlimited mileage, Cab-48 months unlimited mileage; ABS-24-36 months 300,000 miles.

27. HWATCH\_05

- a. Hino Watch Roadside Assistance- 3-year unlimited roadside assistance including lockout, \*out of fuel/DEF, battery jumpstart, information, and warranty towing (2 year coverage). \*Fluids are customer pay responsibility. Tire Service-assist customer in arranging for roadside tire service if requested

28. FUELTK

- a. Fuel Tank-Aluminum 50 gallon capacity. Clean CA position (drivers side mounted).

29. GVWR

- a. GVWR-Gross Vehicle Weight Rating- 33,000 lbs.

30. BMP

- a. Bumper- painted, match to cab

31. BRAKES

- a. Brakes-Full air circuit "S" cam type, leading and trailing shoes with automatic adjustment and Antilock Brake System (ABS). Front Brakes:15.0" diameter x 4.0" x 0.73" thickness: Rear Brakes: 16.5" x 7.0" x 0.85".

32. FRAME

- a. Frame-Straight C Channel frame, ladder type, powder coated, 34" wide, yield strength 80,000 PSI, resistance bending moment (RBM) 1,280,800 in./lbs. (one side no reinforcement).

33. WHEELS

- a. Wheels-Accuride powder coated 22.5" x 8.25" 10-stud disc..

34. EStAB-COE

- a. Front Stabilizer Bar

35. BKBUZZ

- a. Backup Buzzer

36. TIRES

- a. Front tires- Bridgestone 11R 22.5 R268 Rib pattern: Rear tires- Bridgestone 11R 22.5 M726EL Lug pattern.

37. AXLES

- a. Front Axle Meritor MFS10, 12,000 lb. capacity, Reverse Elliot "I" beam oil lubricated hubs.Rear Axle-Meritor RS21-145, 21,000 lb. capacity, full-floating single reduction single speed hypoid gearing

38. SPRINGS

- a. Front Spring: Tapered leaf springs with shock absorbers, 12,000 lb. rating; Rear Spring: Semi-elliptical main, 21,000 lb. rating.

39. AXLESTD

- a. Rear Axle Ratio-Standard 5.57

40. FUELFILT

- a. Fuel Filter-Davco 243 Diesel Pro Heated fuel/water separator.(Diesel Pro 243)

41. FTGRILL

- a. Grille-Chrome plated

42. HORN

- a. Horn-Electric Dual Horn

43. AIRTANK

a. Air Tank- 34 liter tank (68L total), (15cfm@1250rpm)

44. AIRDRYER

a. Air Dryer-Bendix-AD-IS (Air Dryer Integrated Solution)heated air dryer.

45. BLHZASTD

a. Engine block heater (1000W / 120ACV)

46. FUELFILT

a. Fuel Filter-Davco 243 Diesel pro Heated fuel/water separator.(Diesel Pro 243)



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **HINO 338– (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #16**

#### **2017 Hino 338**

The Hino 338 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$61,118.58	\$61,118.58	\$61,118.58	\$61,118.58

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	338			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$61,118.58	\$61,118.58	\$61,118.58	\$61,118.58

Order Code	Add Options	All Zones
	152" WB / 84.8" CA	NC
	Auto-Allison 2500HS w/Syn Fluids (non-PTO). w/ FuelSense	Incl.
120K <sup>1</sup>	Frame Rail-120Kpsi	\$715.50 <sup>1</sup>
ALT135A <sup>1</sup>	Alternator Brushless	\$207.00 <sup>1</sup>
ALT180A <sup>1</sup>	Alternator Brushless180	\$236.70 <sup>1</sup>
ALT200A <sup>1</sup>	Alternator Brushless200	\$284.40 <sup>1</sup>
ANTSPH1 <sup>1</sup>	Anti-Siphon Device(single)	\$44.10 <sup>1</sup>
ANTSPH2 <sup>1</sup>	Anti-Siphon Device(dual)	\$87.30 <sup>1</sup>
ASDZH1 <sup>1</sup>	Air Susp Dumpvalve-Single Lvl	\$135.90 <sup>1</sup>
ASDZH2 <sup>1</sup>	Air Susp Dumpvalve-Single Lvl	\$372.60 <sup>1</sup>
BATZC <sup>1</sup>	Battery-GR31x3	\$128.70 <sup>1</sup>
BATZD <sup>1</sup>	Battery-AGM 31(Glass Mat)	\$207.00 <sup>1</sup>
BBUZZ <sup>1</sup>	Backup Buzzer	\$112.50 <sup>1</sup>
BMPB <sup>1</sup>	Bumper-Black 3	\$116.10 <sup>1</sup>
BMPB3P4 <sup>1</sup>	Bumper-Black 3pc/4" entended	\$214.20 <sup>1</sup>
BMPB4 <sup>1</sup>	Bumper-Black 4pc/4" entended	\$108.00 <sup>1</sup>
BMPC <sup>1</sup>	Bumper-Chrome	\$568.80 <sup>1</sup>
BMPC4 <sup>1</sup>	Bumper-Chrome 4"extended	\$596.70 <sup>1</sup>
BMPW3 <sup>1</sup>	Bumper-White 3piece	\$108.00 <sup>1</sup>
BMPW3P4 <sup>1</sup>	Bumper-White 3pc/4" extended	\$214.20 <sup>1</sup>
BMPW4 <sup>1</sup>	Bumper-White 4"extended	\$108.00 <sup>1</sup>
CLTZA <sup>1</sup>	Clutch-Twin PlateSolo	\$405.90 <sup>1</sup>
D68AR <sup>1</sup>	Air Suspension-Hendrickson	\$1,709.10 <sup>1</sup>
D68ARSD <sup>1</sup>	Air Suspension-severe Duty	\$1,898.10 <sup>1</sup>
DRTA <sup>1</sup>	Rt 25,950,Axle10/21,sprg12/21	NC <sup>1</sup>
DRTVT <sup>1</sup>	De-Rate VIN 10/2126K	\$118.80 <sup>1</sup>
ENGSHUT <sup>1</sup>	Electric EngShutdown Protec	\$18.00 <sup>1</sup>
ENGSHUT-LO <sup>1</sup>	Electric ENGShutdown Protec	\$23.40 <sup>1</sup>
FAG06 <sup>1</sup>	13.2K GAWR FAW/11R22.5H	\$1,236.60 <sup>1</sup>
FAG08 <sup>1</sup>	10K Front Axle, onlyw/23K RA	NC <sup>1</sup>
FNDMIR-LO <sup>1</sup>	Mirrors-Fender(post-prod)	\$236.70 <sup>1</sup>
FNDMRR-LO <sup>1</sup>	Mirror-Fender psngrSide Only	\$130.50 <sup>1</sup>
GRWH2 <sup>1</sup>	gray Wheels (thicker .472)	\$289.80 <sup>1</sup>
GRWH4 <sup>1</sup>	Gray Wheels	\$96.30 <sup>1</sup>

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<b>BASE PRICE:</b>	\$61,118.58	\$61,118.58	\$61,118.58	\$61,118.58

HOOK2 <sup>1</sup>	Bumper Tow Hooks-One each side	\$59.40 <sup>1</sup>
HORZA <sup>1</sup>	Air Horn	\$100.80 <sup>1</sup>
RSUS23K02 <sup>1</sup>	Auxillary rubber spng (21K axl)	\$296.10 <sup>1</sup>
	INSIGHT-2 yearadd on (3 TTL)	\$858.60
	INSIGHT-4 YEARADD ON (5 TTL)	\$1,421.10
KEYZA <sup>1</sup>	Keyed Alike	\$37.80 <sup>1</sup>
KEYZB <sup>1</sup>	Keys (qty.4) n/a w/KEYZA	\$37.80 <sup>1</sup>
MRC <sup>1</sup>	Mirrors-Chrome	\$217.80 <sup>1</sup>
MRRCH <sup>1</sup>	Mirrors-ChromeHeated Remote	\$509.40 <sup>1</sup>
MRRCH-LO <sup>1</sup>	Mirrors-ChromeHeated Remote	\$739.80 <sup>1</sup>
MRRH <sup>1</sup>	Mirrors-Heated,Remote	\$318.60 <sup>1</sup>
MRRH-LO <sup>1</sup>	Mirrors-Heated,Remote	\$532.80 <sup>1</sup>
	INSIGHT-Navigation (1 year)	\$213.30
	INSIGHT-Navigation (3 year)	\$514.80
	INSIGHT-Navigation (5 year)	\$746.10
ORNGBLT <sup>1</sup>	Seat Belts-SafetyOrange	\$142.20 <sup>1</sup>
	PDI at Factory	Incl.
PWDL <sup>1</sup>	Power Windows & Door Locks	\$443.70 <sup>1</sup>
PWDLK <sup>1</sup>	PowerWindows/LocksKeyless	\$710.10 <sup>1</sup>
	Rear Axle Ratio390MT 21K	NC
	Rear Axle Ratio433MT 21K	NC
	Rear Axle Ratio463MT 21K	NC
	Rear Axle Ratio488AT 21K	NC
	Rear Axle Ratio529AT 21K	NC
	Rear Axle Ratio586AT 21K	NC
	Rear Axle Ratio614AT 21K	NC
R23-391MT <sup>1</sup>	Rear Axle Ratio391MT 23K	\$792.00 <sup>1</sup>
R23-410MT <sup>1</sup>	Rear Axle Ratio410MT 23K	\$792.00 <sup>1</sup>
R23-456MT <sup>1</sup>	Rear Axle Ratio456MT 23K	\$792.00 <sup>1</sup>
R23-538MT <sup>1</sup>	Rear Axle Ratio538AT 23K	\$792.00 <sup>1</sup>
R23-563MT <sup>1</sup>	Rear Axle Ratio563AT 23K	\$792.00 <sup>1</sup>
R23-614MT <sup>1</sup>	Rear Axle Ratio614AT 23K	\$792.00 <sup>1</sup>
RDLZA <sup>1</sup>	Differential Lockw/controls	\$1,035.90 <sup>1</sup>
RPM1200 <sup>1</sup>	PTO Setting1200RPM	\$18.00 <sup>1</sup>
RPM1600 <sup>1</sup>	PTO Setting1600RPM	\$18.00 <sup>1</sup>
RPM1800 <sup>1</sup>	PTO Setting1800RPM	\$18.00 <sup>1</sup>
RSHOCK <sup>1</sup>	Shocks-Rear	\$385.20 <sup>1</sup>

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<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$61,118.58	\$61,118.58	\$61,118.58	\$61,118.58

RSPRING <sup>1</sup>	Rear Spring (subleaf)	\$272.70 <sup>1</sup>
RSTAB <sup>1</sup>	Stabilizer-Rear	\$1,776.60 <sup>1</sup>
RSPRING4 <sup>1</sup>	Rear Helper Springs(4K)	\$272.70 <sup>1</sup>
SAFETYKIT <sup>1</sup>	Safety Kit-FireExt/Triangle	\$100.80 <sup>1</sup>
SAFETYKIT-LO <sup>1</sup>	Safety Kit-FireExt/Triangle	\$106.20 <sup>1</sup>
S70F <sup>1</sup>	Seat-Sears 70Fabric Driver	\$562.50 <sup>1</sup>
S70F-LO <sup>1</sup>	Seat-Sears 70Fabric Driver	\$888.30 <sup>1</sup>
S70V <sup>1</sup>	Seat-Sears 70 VinylDriver	\$562.50 <sup>1</sup>
S70V-LO <sup>1</sup>	Seat-Sears 70 VinylDriver	\$888.30 <sup>1</sup>
S70FDUAL <sup>1</sup>	Seat-Sears 70 FabricDrv/Psg	\$1,125.00 <sup>1</sup>
S70FDUAL-LO <sup>1</sup>	Seat-Sears 70 FabricD/P LO	\$1,657.80 <sup>1</sup>
S70VDUAL <sup>1</sup>	Seat-Sears 70 VinylDrv/Psg	\$1,125.00 <sup>1</sup>
S70VDUAL-LO <sup>1</sup>	Seat-Sears 70 vinylD/P post p	\$1,657.80 <sup>1</sup>
SEAT2F <sup>1</sup>	Seats-Fabric 1 manpassanger	\$47.70 <sup>1</sup>
SEAT2V <sup>1</sup>	Seats-Fabric 1 manpassanger	\$47.70 <sup>1</sup>
SEAT3F <sup>1</sup>	Seats-Fabric 2 manbench pass	\$89.10 <sup>1</sup>
STD50X2 <sup>1</sup>	Fuel Tank-Dual 50 gallon	\$710.10 <sup>1</sup>
STD70X2 <sup>1</sup>	Fuel Tank-Dual 70 gallon	\$296.10 <sup>1</sup>
STD90X2 <sup>1</sup>	Fuel Tank-Dual 90 gallon	\$414.90 <sup>1</sup>
	Fuel Tank-Dual 50g post pro	NA
	Rear Rib Tires-BS	NC
TCAPS <sup>1</sup>	Tire Valve Air Cap	\$11.70 <sup>1</sup>
TSIZE05 <sup>1</sup>	Tire-295/75R22.5Bridgestone	\$135.90 <sup>1</sup>
TSIZE06 <sup>1</sup>	Vertical Exhaust	\$769.50 <sup>1</sup>
XSWITCH <sup>1</sup>	Additional DashSwitch	\$23.40 <sup>1</sup>
Z01TRANS <sup>1</sup>	Synthetic Fluids-MT	\$198.00 <sup>1</sup>
Z01DIF <sup>1</sup>	Syn Fluid-Rear DiffAxle	\$125.10 <sup>1</sup>
Z05XD <sup>1</sup>	Wheels Aluminum-Steel Inner	\$1,006.20 <sup>1</sup>
	Wheels Dura-BrightInner/Outer	NA
	Wheels Dura-BrightInner/Outer	NA
Z05XH <sup>1</sup>	Wheels Alum DBpolished all 6	\$1,510.20 <sup>1</sup>
	Paint-Black	NC
	Paint-Red	NC
	Manual Transmission	NC
PBEX <sup>1</sup>	Allison Automatic3000 RDS (PTO)Transmission	\$4,038.30 <sup>1</sup>
PBEX35 <sup>1</sup>	Allison Automatic3500 RDS (PTO)Transmission	\$4,038.30 <sup>1</sup>
	Wheelbase (152"-271")	NC

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<b>BASE PRICE:</b>	\$61,118.58	\$61,118.58	\$61,118.58	\$61,118.58

Auto-Allison 2200HS w/Syn Fluids (non-PTO). w/FluelSense
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NA
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## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 4300 SBA 4X2 - KNUCKLEBOOM STD. TORQUE (Specification #17)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Knuckleboom Std. Torque	★Appalachia	\$64,269.00
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Knuckleboom Std. Torque	★Dogwood	\$64,269.00
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Knuckleboom Std. Torque	★Cardinal	\$64,269.00
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Knuckleboom Std. Torque	★Longleaf Pine	\$64,269.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 4300 SBA 4X2 - KNUCKLEBOOM STD. TORQUE SPECIFICATION #17**

2017 International 4300 SBA 4x2 - Knuckleboom Std. Torque

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. MISSION

- a. Requested GVWR: 33000. Calc. GVWR: 33000
- b. Calc. Start / Grade Ability: 19.51% / 1.02% @ 55 MPH
- c. Calc. Geared Speed: 80.9 MPH

#### 2. DIMENSION

- a. Wheelbase: 254.00, CA: 186.90, Axle to Frame: 96.00

#### 3. FRAME

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL
- c. BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness
- d. CROSSMEMBER, REAR, AF (1)
- e. WHEELBASE RANGE 199" (505cm) Through and Including 254" (645cm)

#### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Navistar Select} I-Beam Type, 12,000-lb Capacity

#### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers

#### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- c. AIR DRYER {Meritor Wabco System Saver 1200} with Heater
- d. BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
- e. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- f. BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
- g. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- h. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- i. AIR TANK LOCATION (2) : One Mounted Under Each Frame Rail, Front of Rear Suspension, Parallel to Rail

#### 7. STEERING

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR {Sheppard M100} Power

## 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab
- b. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab
- c. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- d. POWER SOURCE Cigar Type Receptacle without Plug and Cord
- e. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense
- f. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn
- g. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- h. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- i. HORN, ELECTRIC Disc Style
- j. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- k. HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights
- l. STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
- m. INDICATOR, LOW COOLANT LEVEL With Audible Alarm
- n. BATTERY BOX Steel, With Aluminum Cover, 14" Wide, 3 Battery Capacity, Mounted Left Side Under Cab
- o. BATTERY DISCONNECT SWITCH 300 Amp; Cab Mounted, Disconnects Charging Circuits; Locks with Padlock

## 9. FRONT END/HOOD

- a. GRILLE Chrome
- b. FRONT END Tilting, Fiberglass, With Three Piece Construction

## 10. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

## 11. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

## 12. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- b. BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/ISL Engines
- c. ENGINE, DIESEL {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)
- d. FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
- e. FEDERAL EMISSIONS {Cummins ISB} EPA, OBD and GHG Certified for Calendar Year 2016
- f. RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler
- g. AIR CLEANER With Service Protection Element
- h. THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- i. OIL PAN 15 Quart Capacity, For Cummins ISB Engines
- j. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
- k. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

## 13. TRANSMISSION

- a. TRANSMISSION, AUTOMATIC {Allison 2500\_RDS\_P} 5th Generation Controls; Wide Ratio, 6Speed, with Double Overdrive; with PTO Provision, Less Retarder, with 33,000-lb GVW & GCW Max
- b. TRANSMISSION OIL Synthetic; 20 thru 28 Pints
- c. SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
- d. PTO LOCATION Left Side of Transmission

#### 14. REAR AXLE/SUSPENSION

- a. AXLE, REAR, SINGLE {Meritor MS-21-14X-4DFR} Single Reduction, 21,000-lb Capacity, R Wheel Ends . Gear Ratio: 6.14
- b. SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

#### 15. FUEL TANK/FILTERS

- a. FUEL/WATER SEPARATOR Cummins Supplied on Engine, with 12 Volt DC Heater, with Waterin-Fuel Sensor
- b. FUEL TANK Top Draw; Non-Polished Aluminum, 24" Diam., 50 U.S. Gal., 189 L Capacity, Mounted Left Side Under Cab
- c. DEF TANK 5 U.S. Gal. Capacity; Frame Mounted Outside Left Rail, Under Cab

#### 16. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000} Air Suspension, Mid Back, Vinyl, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Angle Adjust
- g. SEAT, TWO-MAN PASSENGER {National} Vinyl, Less Under Seat Storage Compartment
- h. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- i. CAB MOUNTING HEIGHT EFFECTS Mid Cab in Lieu of Low Cab Mounting Height (Approx. 4") With Cab Air Suspension
- j. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- k. INSTRUMENT PANEL Center Section, Flat Panel
- l. HVAC FRESH AIR FILTER
- m. STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- n. CAB INTERIOR TRIM Deluxe

#### 17. WHEELS

- a. WHEELS, FRONT {Accuride} DISC; 22.5x7.50 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR {Accuride} DUAL DISC; 22.5x7.50 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- c. WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings

#### 18. TIRES

- a. (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply
- b. (4) TIRE, REAR 11R22.5 HDR2 (CONTINENTAL) 491 rev/mile, load range G, 14 ply

#### 19. OPTIONAL EQUIPMENT INCLUDED

- a. WARRANTY Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later, CTS-2475P
- b. SAFETY EQUIPMENT & NC INSPECTION





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 4300 SBA 4X2 - KNUCKLEBOOM STD. TORQUE SPECIFICATION #17**

#### **2017 International 4300 SBA 4x2 - Knuckleboom Std. Torque**

The International 4300 SBA 4x2 - Knuckleboom Std. Torque purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$64,269.00	\$64,269.00	\$64,269.00	\$64,269.00

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<b>VEHICLE:</b>	4300 SBA 4x2 - Knuckleboom Std. Torque			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$64,269.00	\$64,269.00	\$64,269.00	\$64,269.00

Order Code	Add Options	All Zones
	{Cummins ISB 220} EPA 2010, 220 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM	\$818.00
	{Cummins ISB 240} EPA 2010, 240 HP @ 2400 RPM, 560 lb-ft Torque @ 1600 RPM	\$1,637.00
	{Cummins ISB 260} EPA 2010, 260 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM	\$3,323.00
	{Cummins ISB 300} EPA 2010, 300 HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM	\$4,741.00
	{Allison 3500_RDS_P} Wide Ratio, 5-Speed, With Double Overdrive	\$5,519.00
	{Allison 3000_RDS_P} Close Ratio, 5-Speed, With Overdrive	\$5,519.00
	{Allison 3500_RDS_P} Wide Ratio, 6-Speed, With Double Overdrive	\$5,676.00
	{Allison 3000_RDS_P} Close Ratio, 6-Speed, With Double Overdrive	\$5,676.00
	{Dana Spicer 23060SH} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends	\$448.00
	Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring	\$136.00
	Switchback Horizontal Exhaust, Right Side Under Cab; Includes Single Vertical Tail Pipe	\$932.00
	Options available upon request	
	Tilting	\$125.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 4300 SBA 4X2 - SMALL REAR LOADER, UNDER CDL (Specification #18)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Small Rear Loader, Under CDL	★Appalachia	\$61,316.00
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Small Rear Loader, Under CDL	★Dogwood	\$61,316.00
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Small Rear Loader, Under CDL	★Cardinal	\$61,316.00
White/Herring Tractor and Truck, LLC	2017 International 4300 SBA 4x2 - Small Rear Loader, Under CDL	★Longleaf Pine	\$61,316.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 4300 SBA 4X2 - SMALL REAR LOADER, UNDER CDL SPECIFICATION #18**

2017 International 4300 SBA 4x2 - Small Rear Loader, Under CDL

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. MISSION**

- a. Requested GVWR: 25500. Calc. GVWR: 25500
- b. Calc. Start / Grade Ability: 23.43% / 1.55% @ 55 MPH
- c. Calc. Geared Speed: 81.3 MPH

#### **2. DIMENSION**

- a. Wheelbase: 167.00, CA: 99.90, Axle to Frame: 45.00

#### **3. FRAME**

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 460.0" (11684mm) Maximum OAL
- c. BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness
- d. WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)
- e. BRACKET, CAB MOUNT Heavy Duty

#### **4. FRONT AXLE**

- a. AXLE, FRONT NON-DRIVING {Dana Spicer D800-F} I-Beam Type, 8,000-lb Capacity

#### **5. FRONT SUSPENSION**

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 8,000-lb Capacity; With Shock Absorbers

#### **6. BRAKE SYSTEM**

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- c. AIR DRYER {Bendix AD-9} With Heater
- d. BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
- e. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- f. BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
- g. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- h. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- i. DUST SHIELDS, FRONT BRAKE for Air Brakes
- j. DUST SHIELDS, REAR BRAKE for Air Brakes

#### **7. STEERING**

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black

c. STEERING GEAR {TRW (Ross) TAS40} Power

8. EXHAUST

a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

9. ELECTRICAL

a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment

b. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

c. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn

d. BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

e. HORN, ELECTRIC Disc Style

f. JUMP START STUD Remote Mounted

g. HORN, AIR Black, Single Trumpet, Air Solenoid Operated

h. HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights

i. STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

j. INDICATOR, LOW COOLANT LEVEL With Audible Alarm

10. FRONT END/HOOD

a. GRILLE Chrome

b. INSULATION, UNDER HOOD for Sound Abatement

c. INSULATION, SPLASH PANELS for Sound Abatement

d. FRONT END Tilting, Fiberglass, With Three Piece Construction

11. PAINT

a. PAINT SCHEMATIC, PT-1 Single Color, Design 100

b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

12. CLUTCH

a. CLUTCH Omit Item (Clutch & Control)

13. ENGINE

a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

b. ENGINE, DIESEL {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)

c. FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On

d. FEDERAL EMISSIONS {Cummins ISB} EPA, OBD and GHG Certified for Calendar Year 2016

e. RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler

f. AIR CLEANER With Service Protection Element

g. THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

h. OIL PAN 15 Quart Capacity, For Cummins ISB Engines

i. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

j. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

14. TRANSMISSION

a. TRANSMISSION, AUTOMATIC {Allison 2200\_RDS\_P} 5th Generation Controls; Close Ratio, 6Speed, With Double Overdrive; On/Off Hwy; Includes Park Pawl, With PTO Provision, Less Retarder, With 26,000-lb GVW & GCW Max

b. WIRING, TRANS, BODY BUILDER Installed Wiring for Transmission/PTO Controls, for Allison 1000, 2000, 2100, 2200, 2400, 2500 Series Transmission

c. TRANSMISSION OIL Synthetic; 20 thru 28 Pints

d. SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, with

EcoCal and Dynamic Shift Sensing (FuelSense Basic)

e. PTO LOCATION Left Side of Transmission

15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, SINGLE {Navistar Select} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 5.57
- b. SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

16. FUEL TANK/FILTERS

- a. FUEL/WATER SEPARATOR {Racor 400 Series,} Unheated, with Primer Pump, and WIF Sensor
- b. LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 8" Back of Cab
- c. FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab
- d. DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
- g. SEAT, TWO-MAN PASSENGER {National} Vinyl, With Under Seat Storage Compartment
- h. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- i. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- j. INSTRUMENT PANEL Center Section, Flat Panel
- k. CAB INTERIOR TRIM Deluxe

18. WHEELS

- a. WHEELS, FRONT {Accuride} DISC; 22.5x7.50 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR {Accuride} DUAL DISC; 22.5x7.50 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

19. TIRES

- a. (2) TIRE, FRONT 255/70R22.5 HSR2 SA (CONTINENTAL) 565 rev/mile, load range H, 16 ply
- b. (4) TIRE, REAR 255/70R22.5 HSR2 SA (CONTINENTAL) 565 rev/mile, load range H, 16 ply

20. OPTIONAL EQUIPMENT INCLUDED

- a. WARRANTY Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later, CTS-2475P
- b. SAFETY EQUIPMENT & NC INSPECTION



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 4300 SBA 4X2 - SMALL REAR LOADER, UNDER CDL SPECIFICATION #18**

#### **2017 International 4300 SBA 4x2 - Small Rear Loader, Under CDL**

The International 4300 SBA 4x2 - Small Rear Loader, Under CDL purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$61,316.00	\$61,316.00	\$61,316.00	\$61,316.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	4300 SBA 4x2 - Small Rear Loader, Under CDL			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$61,316.00	\$61,316.00	\$61,316.00	\$61,316.00

Order Code	Add Options	All Zones
	{Cummins ISB 220} 220 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM	\$818.00
	{Cummins ISB 240} 240 HP @ 2400 RPM, 560 lb-ft Torque @ 1600 RPM	\$1,637.00
	{Cummins ISB 250} 250 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM	\$2,530.00
	Non-Polished Aluminum, 50 U.S. Gal., Mounted Left Side, Under Cab	\$52.00
	Non-Polished Aluminum, 70 U.S. Gal., Mounted Left Side, Under Cab	\$253.00
	{Allison 3500_RDS_P} 5-Speed, With PTO Provision, Less Retarder	\$5,107.00
	{Dana Spicer 19060S} 19,000-lb Capacity, w/20K springs & Rubber Aux. Helper	\$143.00
	Switchback Exhaust Mounted Right Side, Includes Single Vertical Tail Pipe	\$932.00
	Options available upon request	
	Tilting	\$125.00





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 4400 SBA 4X2 - KNUCK BM HI TOR (Specification #19)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 4400 SBA 4x2 - Knuck BM HI TOR	★Appalachia	\$72,592.00
White/Herring Tractor and Truck, LLC	2017 International 4400 SBA 4x2 - Knuck BM HI TOR	★Dogwood	\$72,592.00
White/Herring Tractor and Truck, LLC	2017 International 4400 SBA 4x2 - Knuck BM HI TOR	★Cardinal	\$72,592.00
White/Herring Tractor and Truck, LLC	2017 International 4400 SBA 4x2 - Knuck BM HI TOR	★Longleaf Pine	\$72,592.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **INTERNATIONAL 4400 SBA 4X2 - KNUCK BM HI TOR**

### **SPECIFICATION #19**

2017 International 4400 SBA 4x2 - Knuck BM HI TOR

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. MISSION

- a. Requested GVWR: 33000. Calc. GVWR: 33000 Calc. Start / Grade Ability: 37.03% / 2.20% @ 55 MPH Calc. Geared Speed: 69.9 MPH
- b. Calc. Start / Grade Ability: 37.03% / 2.20% @ 55 MPH Calc. Geared Speed: 69.9 MPH
- c. Calc. Geared Speed: 69.9 MPH

#### 2. DIMENSION

- a. Wheelbase: 254.00, CA: 186.90, Axle to Frame: 96.00

#### 3. FRAME

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL
- c. BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness
- d. CROSSMEMBER, REAR, AF (1)
- e. WHEELBASE RANGE 199" (505cm) Through and Including 254" (645cm)

#### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

#### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers

#### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- c. AIR DRYER {Meritor Wabco System Saver 1200} with Heater
- d. BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
- e. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- f. BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
- g. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- h. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- i. AIR TANK LOCATION (2) : One Mounted Under Each Frame Rail, Front of Rear Suspension, Parallel to Rail

#### 7. STEERING

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black

c. STEERING GEAR {Sheppard HD94} Power

## 8. EXHAUST

a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

## 9. ELECTRICAL

a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment

b. POWER SOURCE Cigar Type Receptacle without Plug and Cord

c. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

d. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn

e. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

f. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input

g. HORN, ELECTRIC Disc Style

h. HORN, AIR Black, Single Trumpet, Air Solenoid Operated

i. HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights

j. STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

k. INDICATOR, LOW COOLANT LEVEL With Audible Alarm

l. BATTERY BOX Steel, With Aluminum Cover, 14" Wide, 3 Battery Capacity, Mounted Left Side Under Cab

m. BATTERY DISCONNECT SWITCH 300 Amp; Cab Mounted, Disconnects Charging Circuits; Locks with Padlock

## 10. FRONT END/HOOD

a. GRILLE Chrome

b. FRONT END Tilting, Fiberglass, With Three Piece Construction

## 11. PAINT

a. PAINT SCHEMATIC, PT-1 Single Color, Design 100

b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

## 12. CLUTCH

a. CLUTCH Omit Item (Clutch & Control)

## 13. ENGINE

a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

b. BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/ISL Engines

c. ENGINE, DIESEL {Cummins ISL9 260} EPA 2010, 260 HP @ 2200 RPM, 720 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed, 260 Peak HP (Max)

d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

e. RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 1045 SqIn Louvered, With 373 SqIn CAC, With In Tank Oil Cooler

f. FEDERAL EMISSIONS {Cummins ISL9} EPA, OBD and GHG Certified for Calendar Year 2016

g. AIR CLEANER With Service Protection Element

h. THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

i. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

j. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

## 14. TRANSMISSION

a. TRANSMISSION, AUTOMATIC {Allison 3500\_RDS\_P} 5th Generation Controls; Wide Ratio, 5Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max

b. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission

c. TRANSMISSION OIL Synthetic; 29 thru 42 Pints

- d. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
- e. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
- f. PTO LOCATION Left Side of Transmission

15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, SINGLE {Meritor MS-21-14X-4DFR} Single Reduction, 21,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.13
- b. SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

16. FUEL TANK/FILTERS

- a. FUEL/WATER SEPARATOR {Racor 400 Series,} 12 Volt Pre-Heater, with Primer Pump, and WIF Sensor
- b. LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 8" Back of Cab
- c. FUEL TANK Top Draw; Non-Polished Aluminum, 24" Diam., 50 U.S. Gal., 189 L Capacity, Mounted Left Side Under Cab
- d. DEF TANK 5 U.S. Gal. Capacity; Frame Mounted Outside Left Rail, Under Cab

17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000} Air Suspension, Mid Back, Vinyl, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Angle Adjust
- g. SEAT, TWO-MAN PASSENGER {National} Vinyl, Less Under Seat Storage Compartment
- h. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- i. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- j. INSTRUMENT PANEL Center Section, Flat Panel
- k. HVAC FRESH AIR FILTER
- l. CAB INTERIOR TRIM Deluxe

18. WHEELS

- a. WHEELS, FRONT {Accuride} DISC; 22.5x7.50 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR {Accuride} DUAL DISC; 22.5x7.50 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- c. WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings

19. TIRES

- a. (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply
- b. (4) TIRE, REAR 11R22.5 HDR2 (CONTINENTAL) 491 rev/mile, load range G, 14 ply

20. OPTIONAL EQUIPMENT INCLUDED

- a. WARRANTY Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later, CTS-2475P
- b. SAFETY EQUIPMENT & NC INSPECTION



**NORTH CAROLINA SHERIFFS' ASSOCIATION**  
**INTERNATIONAL 4400 SBA 4X2 - KNUCK BM HI TOR**  
**SPECIFICATION #19**

**2017 International 4400 SBA 4x2 - Knuck BM HI TOR**

The International 4400 SBA 4x2 - Knuck BM HI TOR purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$72,592.00	\$72,592.00	\$72,592.00	\$72,592.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	4400 SBA 4x2 - Knuck BM HI TOR			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$72,592.00	\$72,592.00	\$72,592.00	\$72,592.00

Order Code	Add Options	All Zones
	{Cummins ISL9 270} 270 HP @ 2000 RPM, 800 lb-ft Torque @ 1300 RPM	\$468.00
	{Cummins ISL9 300} 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM	\$1,226.00
	{Cummins ISL9 330} 330 HP @ 2000 RPM, 1000 lb-ft Torque @ 1400 RPM (NOTE: Requires Allison 3000_RDS transmission due to high torque)	\$2,633.00
	{Allison 3000_RDS_P} Close Ratio, 5-Speed, With Overdrive	\$157.00
	{Allison 3500_RDS_P} Wide Ratio, 6-Speed, With Double Overdrive	NC
	{Allison 3000_RDS_P} Close Ratio, 6-Speed, With Double Overdrive	\$157.00
	Front Axle & Suspension - 14,000 lbs. Cap. w/Taper Leaf Springs & Shock Absorbers (NOTE: 14k Front axle requires optional heavier frame rails or double channel frame)	\$749.00
	Single Channel 10.375" x 3.705" x 0.438" 120KSI RBM 2,511,600	\$174.00
	Double Channel (120KSI); 10.813" x 3.892" x 0.312" RBM 3,580,800	\$1,650.00
	{Dana Spicer S23-170} Single Reduction, 23,000-lb Capacity, R Wheel Ends	\$833.00
	Dana Spicer S23-170D} Single Reduction, 23,000-lb Cap., Locking Differential	\$1,738.00
	{Dana Spicer S26-190} Single Reduction, 26,000-lb Capacity, R Wheel Ends (NOTE: Requires Double Channel frame)	\$2,871.00
	{Dana Spicer S30-190} Single Reduction, 30,000-lb Capacity, W Wheel Ends (NOTE: Requires Double Channel frame)	\$3,358.00
	{Dana Spicer S30-190D} Single Reduction, 30,000-lb Capacity, Locking Differential (NOTE: Requires Double Channel frame)	\$4,140.00
	Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring	\$136.00
	Switchback Horizontal Exhaust, Right Side Under Cab; Includes Single Vertical Tail Pipe	\$932.00
	Options available upon request	
	Tilting	\$125.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 7400 SBA 4X2 - 18-20 CU. YD. REAR LOADER (Specification #20)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader	★Appalachia	\$72,644.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader	★Dogwood	\$72,644.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader	★Cardinal	\$72,644.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader	★Longleaf Pine	\$72,644.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7400 SBA 4X2 - 18-20 CU. YD. REAR LOADER** **SPECIFICATION #20**

2017 International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. MISSION

- a. Requested GVWR: 33000. Calc. GVWR: 31000
- b. Calc. Start / Grade Ability: 40.30% / 2.18% @ 55 MPH
- c. Calc. Geared Speed: 74.3 MPH

#### 2. DIMENSION

- a. Wheelbase: 205.00, CA: 137.90, Axle to Frame: 75.00

#### 3. FRAME

- a. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
- b. BUMPER, FRONT Steel, Swept Back
- c. WHEELBASE RANGE 189" (480cm) Through and Including 256" (650cm)

#### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

#### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers

#### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
- c. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- d. AIR DRYER {Bendix AD-9} With Heater
- e. BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
- f. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- g. BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
- h. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- i. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- j. AIR TANK LOCATION (2) : One Mounted Under Each Frame Rail, Front of Rear Suspension, Parallel to Rail

#### 7. STEERING

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR {Sheppard M100} Power

#### 8. EXHAUST



- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

#### 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense
- c. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn
- d. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- e. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- f. HORN, ELECTRIC Disc Style
- g. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- h. CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
- i. STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
- j. INDICATOR, LOW COOLANT LEVEL With Audible Alarm
- k. BATTERY BOX Steel, With Aluminum Cover, 14" Wide, 3 Battery Capacity, Mounted Left Side Under Cab
- l. TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

#### 10. FRONT END/HOOD

- a. INSULATION, UNDER HOOD for Sound Abatement
- b. GRILLE Stationary, Chrome
- c. INSULATION, SPLASH PANELS for Sound Abatement
- d. FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions

#### 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

#### 12. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

#### 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- b. BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/ISL Engines
- c. ENGINE, DIESEL {Cummins ISL9 260} EPA 2010, 260 HP @ 2200 RPM, 720 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed, 260 Peak HP (Max)
- d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
- e. FEDERAL EMISSIONS {Cummins ISL9} EPA, OBD and GHG Certified for Calendar Year 2016
- f. RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core With Internal Water to Oil Transmission Cooler and 1167 In Charge Air Cooler
- g. AIR CLEANER Single Element
- h. THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- i. EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations
- j. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

#### 14. TRANSMISSION

- a. AUTOMATIC NEUTRAL Allison WT, 3000 & 4000 Series Transmission Shifts to Neutral When Parking Brake is Engaged
- b. TRANSMISSION, AUTOMATIC {Allison 3500\_RDS\_P} 5th Generation Controls; Wide Ratio, 6Speed, With Double Overdrive; Refuse/Mixer; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 60,000-lb GVW Max
- c. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- d. TRANSMISSION OIL Synthetic; 29 thru 42 Pints

- e. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); Front Loaders, Rear Loaders, Recycling/Packer Trucks
- f. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
- g. PTO, LOCATION , Dual, Left and Right Side of Transmission

15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, SINGLE {Dana Spicer 19060S} Single Reduction, Hypoid Gearing, 19,000-lb Capacity, 190 Wheel Ends . Gear Ratio: 5.57
- b. SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

16. FUEL TANK/FILTERS

- a. FUEL/WATER SEPARATOR {Racor 400 Series,} 12 Volt Pre-Heater, with Primer Pump, and WIF Sensor
- b. LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 8" Back of Cab
- c. FUEL TANK Top Draw; Non-Polished Aluminum, 24" Diam., 50 U.S. Gal., 189 L Capacity, Mounted Left Side Under Cab
- d. DEF TANK 5 U.S. Gal. Capacity; Frame Mounted Outside Left Rail, Under Cab

17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- d. GAUGE, DEF FLUID LEVEL
- e. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
- f. SEAT, TWO-MAN PASSENGER {National} Fixed Back, Integrated Headrest in Both Occupant Positions, Vinyl, Less Under Seat Storage Compartment
- g. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- h. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- i. INSTRUMENT PANEL Center Section, Flat Panel
- j. HVAC FRESH AIR FILTER
- k. STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- l. CAB INTERIOR TRIM Deluxe
- m. CAB REAR SUSPENSION Air Bag Type

18. WHEELS

- a. FRONT {Accuride} DISC; 22.5x8.25 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs
- b. REAR {Accuride} DUAL DISC; 22.5x8.25 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs

19. TIRES

- a. (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply
- b. (4) TIRE, REAR 11R22.5 HDR2 (CONTINENTAL) 491 rev/mile, load range G, 14 ply

20. WARRANTY

- a. WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2, 2015 or Later, CTS-2002U

21. OPTIONAL EQUIPMENT INCLUDED

- a. SAFETY EQUIPMENT & NC INSPECTION



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7400 SBA 4X2 - 18-20 CU. YD. REAR LOADER SPECIFICATION #20**

#### **2017 International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader**

The International 7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$72,644.00	\$72,644.00	\$72,644.00	\$72,644.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	7400 SBA 4x2 - 18-20 Cu. Yd. Rear Loader			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$72,644.00	\$72,644.00	\$72,644.00	\$72,644.00

Order Code	Add Options	All Zones
	{Cummins ISL9 270} 270 HP @ 2000 RPM, 800 lb-ft Torque @ 1300 RPM	\$468.00
	{Cummins ISL9 300} 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM	\$1,226.00
	{Cummins ISL9 330} 330 HP @ 2000 RPM, 1000 lb-ft Torque @ 1400 RPM (NOTE: Requires Allison 3000_RDS transmission due to high torque)	\$2,633.00
	{Allison 3000_RDS_P} Close Ratio, 6-Speed, With Double Overdrive	\$157.00
	14,000 lbs. Cap. w/Taper Leaf Springs & Shock Absorbers	\$749.00
	{Dana Spicer S23-170} Single Reduction, 23,000-lb Capacity, R Wheel Ends	\$912.00
	{Dana Spicer S23-170D} Single Reduction, 23,000-lb Cap., Locking Differential	\$1,817.00
	{Dana Spicer S26-190} Single Reduction, 26,000-lb Capacity, R Wheel Ends	\$2,729.00
	Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring	\$136.00
	Switchback Horizontal Exhaust, Right Side Under Cab; Includes Single Vertical Tail Pipe	\$932.00
	Options available upon request	
	Tilting	\$125.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 7400 SBA 4X2 - ASL DUAL STEER - AUTOMATED SIDE LOADER (Specification #21)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader	★Appalachia	\$104,035.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader	★Dogwood	\$104,035.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader	★Cardinal	\$104,035.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader	★Longleaf Pine	\$104,035.00



# NORTH CAROLINA SHERIFFS' ASSOCIATION

## INTERNATIONAL 7400 SBA 4X2 - ASL DUAL STEER - AUTOMATED SIDE LOADER SPECIFICATION #21

2017 International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. MISSION

- a. GVWR: 41000 Plus Tag Axle
- b. Calc. Start / Grade Ability: 22.45% / 2.02% @ 55 MPH
- c. Calc. Geared Speed: 67.4 MPH

### 2. DIMENSION

- a. Wheelbase: 226.00, CA: 158.90, Axle to Frame: 96.00

### 3. FRAME

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
- c. FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
- d. BUMPER, FRONT Steel, Swept Back
- e. CROSSMEMBER, REAR, AF (1)
- f. WHEELBASE RANGE 189" (480cm) Through and Including 256" (650cm)

### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 18,000-lb Capacity; With Shock Absorbers

### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers
- c. DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
- d. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- e. AIR DRYER {Meritor Wabco System Saver 1200} with Heater
- f. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- g. BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
- h. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 8.625" Includes 30/30 Sq.In. Long Stroke Brake Chambers and Spring Actuated Parking Brake
- i. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- j. AIR TANK LOCATION (2) : One Mounted Under Each Frame Rail, Front of Rear Suspension, Parallel to Rail

### 7. STEERING

- a. STEERING COLUMN Tilting
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR (2) {Sheppard M100/M80} Dual Power

#### 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab
- b. ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL Engines; With Selector Switch and On/Off Switch

#### 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. CIGAR LIGHTER Includes Ash Cup
- c. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense
- d. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn
- e. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- f. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- g. HORN, ELECTRIC Disc Style
- h. BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab
- i. JUMP START STUD Remote Mounted
- j. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- k. CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
- l. STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
- m. INDICATOR, LOW COOLANT LEVEL With Audible Alarm
- n. CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- o. TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender
- p. BATTERY DISCONNECT SWITCH 300 Amp; Cab Mounted, Disconnects Charging Circuits; Locks with Padlock

#### 10. FRONT END/HOOD

- a. FENDER EXTENSIONS Rubber
- b. INSULATION, UNDER HOOD for Sound Abatement
- c. GRILLE Stationary, Chrome
- d. INSULATION, SPLASH PANELS for Sound Abatement
- e. FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions

#### 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

#### 12. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

#### 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- b. PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
- c. ENGINE, DIESEL {Cummins ISL9 330} EPA 2010, 330 HP @ 2000 RPM, 1000 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max)
- d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
- e. FEDERAL EMISSIONS {Cummins ISL9} EPA, OBD and GHG Certified for Calendar Year 2016
- f. RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core With Internal Water to Oil Transmission Cooler and 1167 In Charge Air Cooler
- g. AIR CLEANER Dual Element
- h. THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

- i. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
- j. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

#### 14. TRANSMISSION

- a. AUTOMATIC NEUTRAL Allison WT, 3000 & 4000 Series Transmission Shifts to Neutral When Parking Brake is Engaged
- b. TRANSMISSION, AUTOMATIC {Allison 3000\_RDS\_P} 5th Generation Controls; Close Ratio, 6Speed, With Double Overdrive; Refuse/Mixer; Includes Oil Level Sensor With PTO Provision, Less Retarder, With 62,000-lb GVW Max
- c. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- d. TRANSMISSION OIL Synthetic; 29 thru 42 Pints
- e. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); Side Loaders
- f. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming
- g. PTO, LOCATION , Dual, Left and Right Side of Transmission

#### 15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, SINGLE {Meritor RS-30-185} Single Reduction, Standard Track, 30,000-lb Capacity, T Wheel Ends . Gear Ratio: 6.14
- b. SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

#### 16. FUEL TANK/FILTERS

- a. LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 41" Back of Cab
- b. FUEL/WATER SEPARATOR {Racor 400 Series,} 12 Volt Pre-Heater, with Primer Pump, and WIF Sensor
- c. FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 19" Deep, 70 U.S. Gal., 265 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab
- d. DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

#### 17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
- g. SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust
- h. MIRRORS (2) {Lang Mekra} Styled; Rectangular, Power Both Sides Flat Glass Only, Thermostatically Controlled Heated Heads, Clearance Lights LED, Black Heads, Brackets and Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing
- i. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- j. INSTRUMENT PANEL Center Section, Flat Panel
- k. HVAC FRESH AIR FILTER
- l. CAB INTERIOR TRIM Deluxe
- m. CAB REAR SUSPENSION Air Bag Type

#### 18. WHEELS

- a. FRONT DISC; 22.5x9.00 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. REAR DUAL DISC; 22.5x9.00 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

#### 19. TIRES

- a. (4) TIRE, REAR 315/80R22.5 HDR2 (CONTINENTAL) 491 rev/mile, load range L, 20 ply
- b. (2) TIRE, FRONT 315/80R22.5 HSC1 (CONTINENTAL) 484 rev/mile, load range L, 20 ply



20. WARRANTY

- a. WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2, 2015 or Later, CTS-2002U

21. OPTIONAL EQUIPMENT INCLUDED

- a. DEALER INSTALLATION - KAFFENBARGER-DUAL DRIVE CONVERSION W/OEM CLUSTER & COMPONENTS
- b. FACTORY INSTALLED - 20K STEERABLE TAG AXLE W318/80R22.5 TIRES ON 22.5 X 9.0 WHEELS



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7400 SBA 4X2 - ASL DUAL STEER - AUTOMATED SIDE LOADER SPECIFICATION #21**

#### **2017 International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader**

The International 7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$104,035.00	\$104,035.00	\$104,035.00	\$104,035.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	7400 SBA 4x2 - ASL Dual Steer - Automated Side Loader			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$104,035.00	\$104,035.00	\$104,035.00	\$104,035.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 7400 SBA 6X4 - 25-27 CU. YD. REAR LOADER (Specification #22)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader	★Appalachia	\$82,990.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader	★Dogwood	\$82,990.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader	★Cardinal	\$82,990.00
White/Herring Tractor and Truck, LLC	2017 International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader	★Longleaf Pine	\$82,990.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7400 SBA 6X4 - 25-27 CU. YD. REAR LOADER** **SPECIFICATION #22**

2017 International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. MISSION**

- a. Requested GVWR: 56,000. Calc. GVWR: 56,000
- b. Calc. Start / Grade Ability: 21.06% / 1.47% @ 55 MPH
- c. Calc. Geared Speed: 72.4 MPH

#### **2. DIMENSION**

- a. Wheelbase: 236.00, CA: 168.90, Axle to Frame: 91.00

#### **3. FRAME**

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
- c. BUMPER, FRONT Steel, Swept Back
- d. WHEELBASE RANGE 221" (560cm) Through and Including 262" (665cm)

#### **4. FRONT AXLE**

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity

#### **5. FRONT SUSPENSION**

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 16,000-lb Capacity; With Shock Absorbers

#### **6. BRAKE SYSTEM**

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers
- c. DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
- d. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- e. AIR DRYER {Meritor Wabco System Saver 1200} with Heater
- f. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- g. BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
- h. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- i. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- j. Front and rear dust shields

#### **7. STEERING**

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR {Sheppard M110} Power

## 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
- b. TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust

## 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. CIGAR LIGHTER Includes Ash Cup
- c. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense
- d. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn
- e. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- f. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- g. HORN, ELECTRIC Disc Style
- h. BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab
- i. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- j. CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
- k. STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
- l. INDICATOR, LOW COOLANT LEVEL With Audible Alarm
- m. CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- n. TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

## 10. FRONT END/HOOD

- a. FENDER EXTENSIONS Rubber
- b. INSULATION, UNDER HOOD for Sound Abatement
- c. GRILLE Stationary, Chrome
- d. INSULATION, SPLASH PANELS for Sound Abatement
- e. FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions

## 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

## 12. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

## 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- b. BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/ISL Engines
- c. PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
- d. ENGINE, DIESEL {Cummins ISL9 270} EPA 2010, 270 HP @ 2000 RPM, 800 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed, 270 Peak HP (Max)
- e. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
- f. FEDERAL EMISSIONS {Cummins ISL9} EPA, OBD and GHG Certified for Calendar Year 2016
- g. RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core With Internal Water to Oil Transmission Cooler and 1167 In Charge Air Cooler
- h. AIR CLEANER Single Element
- i. THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
- j. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
- k. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

## 14. TRANSMISSION

- a. AUTOMATIC NEUTRAL Allison WT, 3000 & 4000 Series Transmission Shifts to Neutral When Parking Brake is Engaged
- b. TRANSMISSION, AUTOMATIC {Allison 3500\_RDS\_P} 5th Generation Controls; Wide Ratio, 5Speed, With Overdrive; Refuse/Mixer; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 60,000-lb GVW Max
- c. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- d. TRANSMISSION OIL Synthetic; 29 thru 42 Pints
- e. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); Front Loaders, Rear Loaders, Recycling/Packer Trucks
- f. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
- g. PTO, LOCATION , Dual, Left and Right Side of Transmission

#### 15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends . Gear Ratio: 4.88
- b. SUSPENSION, REAR, TANDEM {Hendrickson RT-403} Walking Beam Type 52" Axle Spacing; 40,000-lb Capacity With Rubber Center Bushings
- c. SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions
- d. TRANSVERSE TORQUE RODS with Hendrickson Suspensions

#### 16. FUEL TANKS/FILTERS

- a. LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 15" Back of Cab
- b. FUEL/WATER SEPARATOR {Racor 400 Series,} Unheated, with Primer Pump, and WIF Sensor
- c. FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 19" Deep, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab
- d. DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

#### 17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
- g. SEAT, TWO-MAN PASSENGER {National} Fixed Back, Integrated Headrest in Both Occupant Positions, Vinyl, Less Under Seat Storage Compartment
- h. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- i. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- j. INSTRUMENT PANEL Center Section, Flat Panel
- k. HVAC FRESH AIR FILTER
- l. STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- m. CAB INTERIOR TRIM Deluxe
- n. CAB REAR SUSPENSION Air Bag Type

#### 18. WHEELS

- a. FRONT DISC; 22.5x9.0 Rims, Painted Steel, 5-Hand Hole 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, and Steel Hubs
- b. REAR DUAL DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and With Steel Hubs

#### 19. TIRES

- a. (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply
- b. (2) TIRE, FRONT 315/80R22.5 HSC1 (CONTINENTAL) 483 rev/mile, load range H, 20 ply

#### 20. WARRANTY

- a. WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2, 2015 or Later, CTS-2002U

21. OPTIONAL EQUIPMENT INCLUDED

- a. SAFETY EQUIPMENT & NC INSPECTION





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7400 SBA 6X4 - 25-27 CU. YD. REAR LOADER SPECIFICATION #22**

#### **2017 International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader**

The International 7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$82,990.00	\$82,990.00	\$82,990.00	\$82,990.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	7400 SBA 6x4 - 25-27 Cu. Yd. Rear Loader			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$82,990.00	\$82,990.00	\$82,990.00	\$82,990.00

Order Code	Add Options	All Zones
	{Cummins ISL9 300} 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM	\$758.00
	{Cummins ISL9 330} 330 HP @ 2000 RPM, 1000 lb-ft Torque @ 1400 RPM (Note: Requires Allison 3000_RDS Transmission Due To High Torque)	\$2,165.00
	70 U.S. Gal., Mounted Left Side, Under Cab	\$98.00
	{Allison 3500_RDS_P} Wide Ratio, 6-Speed, With Double Overdrive	NC
	{Allison 3000_RDS_P} Close Ratio, 5-Speed, With Overdrive	\$157.00
	{Allison 3000_RDS_P} Close Ratio, 6-Speed, With Double Overdrive	\$157.00
	{Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity	NA
	{Meritor RT-46-160} Single Reduction 46,000-lb Capacity, 200 Wheel Ends	\$4,660.00
	{Meritor RT-46-164EH} Single Reduction, 46,000-lb Cap., Diff-Locks in Both Rear Axles	\$6,229.00
	{Hendrickson RT-463} 54" Spacing, 46,000-lb Cap. w/Transverse Torque Rods	\$498.00
	Switchback Horizontal Exhaust, Right Side Under Cab; Includes Single Vertical Tail Pipe	Std
	Options available upon request	
	Tilting	\$125.00
	PTO Crankcase Adaptor for Front End PTO	\$353.00
	Bolt On 20" Front Frame Extension for Front PTO	\$222.00
	Integral; 20" In Front of Grille	\$590.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 7500 SBA 6X4 - 32 CU. YD. REAR LOADER (Specification #23)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 7500 SFA 6x4	★Appalachia	\$100,879.00
White/Herring Tractor and Truck, LLC	2017 International 7500 SFA 6x4	★Dogwood	\$100,879.00
White/Herring Tractor and Truck, LLC	2017 International 7500 SFA 6x4	★Cardinal	\$100,879.00
White/Herring Tractor and Truck, LLC	2017 International 7500 SFA 6x4	★Longleaf Pine	\$100,879.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **INTERNATIONAL 7500 SBA 6X4 - 32 CU. YD. REAR LOADER**

### **SPECIFICATION #23**

2017 International 7500 SFA 6x4

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. MISSION**

- a. Requested GVWR: 62000. Calc. GVWR: 62000
- b. Calc. Start / Grade Ability: 20.15% / 1.95% @ 55 MPH
- c. Calc. Geared Speed: 64.3 MPH

#### **2. DIMENSION**

- a. Wheelbase: 254.00, CA: 186.90, Axle to Frame: 69.00

#### **3. FRAME**

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mmx 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
- c. FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
- d. BUMPER, FRONT Steel, Swept Back
- e. CROSSMEMBER, SUSPENSION (1) 7-Piece Steel Replacing (1) Double Dogbone, Forward
- f. WHEELBASE RANGE 221" (560cm) Through and Including 262" (665cm)

#### **4. FRONT AXLE**

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity

#### **5. FRONT SUSPENSION**

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 20,000-lb Capacity; With Shock Absorbers

#### **6. BRAKE SYSTEM**

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers
- c. DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
- d. BRAKE SHOES, REAR Cast
- e. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- f. AIR DRYER {Meritor Wabco System Saver 1200} with Heater
- g. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- h. BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
- i. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- j. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- k. DUST SHIELDS, FRONT BRAKE for Air Brakes
- l. DUST SHIELDS, REAR BRAKE for Air Brakes

## 7. STEERING

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR (2) {Sheppard M100/M80} Dual Power

## 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
- b. TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust

## 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. CIGAR LIGHTER Includes Ash Cup
- c. ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount
- d. BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/ Ground and Sealed Connector for Stop/Turn
- e. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- f. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- g. HORN, ELECTRIC Disc Style
- h. BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab
- i. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- j. CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
- k. INDICATOR, LOW COOLANT LEVEL With Audible Alarm
- l. STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
- m. CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- n. TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

## 10. FRONT END/HOOD

- a. FENDER EXTENSIONS Rubber
- b. INSULATION, UNDER HOOD for Sound Abatement
- c. GRILLE Stationary, Chrome
- d. INSULATION, SPLASH PANELS for Sound Abatement
- e. FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions

## 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
- c. VEHICLE REGISTRATION IDENTITY ID for 49 States, Excluding California

## 12. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

## 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- b. BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/ISL Engines
- c. ENGINE, DIESEL {Cummins ISL9 345} EPA 2010, 345 HP @ 1900 RPM, 1150 lb-ft Torque @ 1400RPM, 2100 RPM Governed Speed, 345 Peak HP (Max)
- d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
- e. FEDERAL EMISSIONS {Cummins ISL9} EPA, OBD and GHG Certified for Calendar Year 2016
- f. RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core With Internal Water to Oil Transmission Cooler and 1167 In Charge Air Cooler
- g. AIR CLEANER Single Element
- h. THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- i. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes

"Certified Clean Idle" Decal on Hood

- j. ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB or ISL Engines

#### 14. TRANSMISSION

- a. AUTOMATIC NEUTRAL Allison WT, 3000 & 4000 Series Transmission Shifts to Neutral When Parking Brake is Engaged
- b. TRANSMISSION, AUTOMATIC {Allison 3000\_RDS\_P} 5th Generation Controls; Close Ratio, 6Speed, With Double Overdrive; Refuse/Mixer; Includes Oil Level Sensor With PTO Provision, Less Retarder, With 62,000-lb GVW Max
- c. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- d. TRANSMISSION OIL Synthetic; 29 thru 42 Pints
- e. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); Front Loaders, Rear Loaders, Recycling/Packer Trucks
- f. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming
- g. PTO, LOCATION , Dual, Left and Right Side of Transmission

#### 15. REAR AXLE/SUSPENSION

- a. SUSPENSION, REAR, TANDEM {Hendrickson RT-523} Walking Beam Type 54" Axle Spacing; 52,000-lb Capacity With Bronze Center Bushings
- b. AXLE, REAR, TANDEM {Meritor RT-52-185} Single Reduction, 52,000-lb Capacity, With Lube Pump, R Wheel Ends . Gear Ratio: 6.14
- c. SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions
- d. TRANSVERSE TORQUE RODS with Hendrickson Suspensions

#### 16. FUEL TANK/FILTERS

- a. LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 41" Back of Cab
- b. FUEL/WATER SEPARATOR {Racor 400 Series,} Unheated, with Primer Pump, and WIF Sensor
- c. FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 19" Deep, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab
- d. DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

#### 17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
- g. SEAT, TWO-MAN PASSENGER {National} Mid Back, Fixed Back, Vinyl, With Under Seat Storage
- h. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- i. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- j. INSTRUMENT PANEL Center Section, Flat Panel
- k. HVAC FRESH AIR FILTER
- l. STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- m. CAB INTERIOR TRIM Deluxe
- n. CAB REAR SUSPENSION Air Bag Type

#### 18. WHEELS

- a. WHEELS, FRONT DISC; 22.5x9.00 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR DUAL DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and With Steel Hubs

#### 19. TIRES

- a. (8) TIRE, REAR 11R22.5 HDR2 (CONTINENTAL) 491 rev/mile, load range H, 16 ply
- b. (2) TIRE, FRONT 315/80R22.5 HSC1 (CONTINENTAL) 484 rev/mile, load range L, 20 ply

20. WARRANTY

- a. WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2, 2015 or Later, CTS-2003Z

21. OPTIONAL EQUIPMENT INCLUDED

- a. SAFETY EQUIPMENT & NC INSPECTION



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7500 SBA 6X4 - 32 CU. YD. REAR LOADER SPECIFICATION #23**

#### **2017 International 7500 SFA 6x4**

The International 7500 SFA 6x4 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$100,879.00	\$100,879.00	\$100,879.00	\$100,879.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	7500 SFA 6x4			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$100,879.00	\$100,879.00	\$100,879.00	\$100,879.00

Order Code	Add Options	All Zones
	Non-Polished Aluminum, 19" Deep, 70 U.S. Gal., Mounted Left Side, Under Cab	\$98.00
	Options available upon request	
	{Cummins ISL9 370} 370 HP @ 2000 RPM, 1250 lb-ft Torque @ 1400 RPM	\$925.00
	{Cummins ISL9 380} 380 HP @ 1900 RPM, 1250 lb-ft Torque @ 1400 RPM	\$1,796.00
	Tilting	\$125.00
	PTO Crankcase Adaptor for Front End PTO	\$353.00
	20" Front Frame Extension for Front PTO, Bolt On	\$222.00
	20" Front Frame Extension for Front PTO, Integral	\$590.00
	{Jacobs} for Cummins ISL Engines; With Selector Switch and On/Off Switch	\$2,132.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 7600 SBA 6X4 - ROLL OFF (Specification #24)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Roll off	★Appalachia	\$105,666.00
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Roll off	★Dogwood	\$105,666.00
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Roll off	★Cardinal	\$105,666.00
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Roll off	★Longleaf Pine	\$105,666.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **INTERNATIONAL 7600 SBA 6X4 - ROLL OFF** **SPECIFICATION #24**

2017 International 7600 SBA 6x4 - Roll off

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. MISSION

- a. Requested GVWR: 54000. Calc. GVWR: 58000
- b. Calc. Start / Grade Ability: 24.89% / 2.68% @ 55 MPH
- c. Calc. Geared Speed: 75.8 MPH

### 2. DIMENSION

- a. Wheelbase: 260.00, CA: 192.90, Axle to Frame: 75.00

### 3. FRAME

- a. TOW HOOK, FRONT (2) Frame Mounted
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
- c. FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
- d. BUMPER, FRONT Steel, Swept Back
- e. WHEELBASE RANGE 250" (635cm) Through and Including 311" (790cm)

### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 18,000-lb Capacity; With Shock Absorbers

### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
- b. BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers
- c. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- d. AIR DRYER {Bendix AD-9} With Heater
- e. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- f. BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
- g. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- h. AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder
- i. DRAIN VALVE (3) Manual; With Pull Chains for Air Tanks

### 7. STEERING

- a. STEERING COLUMN Stationary
- b. STEERING WHEEL 2-Spoke; 18" Dia., Black, Leather Wrapped

c. STEERING GEAR (2) {Sheppard M100/M80} Dual Power

## 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
- b. TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust
- c. EXHAUST HEIGHT 11' 6"

## 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. POWER SOURCE Cigar Type Receptacle without Plug and Cord
- c. ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount
- d. BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
- e. BATTERY SYSTEM {International} Maintenance-Free (3) 12-Volt 2250CCA Total
- f. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- g. BATTERY DISCONNECT SWITCH {Cole-Hersee 75920-06} 300 Amp; Battery Box Mounted, Disconnects Cab Power, Does Not Disconnect Charging Circuits, Locks with Padlock
- h. BACK-UP ALARM Electric, 102 dBA
- i. HORN, ELECTRIC Disc Style
- j. BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab
- k. JUMP START STUD Remote Mounted
- l. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- m. CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
- n. STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
- o. CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- p. TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

## 10. FRONT END/HOOD

- a. FENDER EXTENSIONS Rubber
- b. INSULATION, UNDER HOOD for Sound Abatement
- c. GRILLE Stationary, Chrome
- d. INSULATION, SPLASH PANELS for Sound Abatement
- e. FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood

## 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
- c. VEHICLE REGISTRATION IDENTITY ID for 49 States, Excluding California

## 12. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

## 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines
- b. BLOCK HEATER, ENGINE {Phillips} 120V/1500W
- c. ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
- d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
- e. FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016
- f. AIR CLEANER Single Element
- g. ENGINE CONTROL, REMOTE MOUNTED for PTO with N13 Engines
- h. COLD STARTING EQUIPMENT Automatic; With Engine ECM Control
- i. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
- j. RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1012 SqIn CAC, 1543 SqIn 3 Core LTR

#### 14. TRANSMISSION

- a. TRANSMISSION, AUTOMATIC {Allison 4000\_RDS\_P} 5th Generation Controls; Close Ratio, 6Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder
- b. OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type
- c. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- d. TRANSMISSION OIL Synthetic; 63 thru 76 Pints
- e. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
- f. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
- g. PTO LOCATION Left Side of Transmission

#### 15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, TANDEM {Meritor MT-40-14X-5DFR} Single Reduction, 0.500"(12.7mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.29
- b. SUSPENSION, REAR, TANDEM {Hendrickson RT-403} Walking Beam Type 52" Axle Spacing; 40,000-lb Capacity With Rubber Center Bushings
- c. SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions
- d. TRANSVERSE TORQUE RODS with Hendrickson Suspensions

#### 16. FUEL TANK/FILTERS

- a. DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab
- b. FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor
- c. FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 70 U.S. Gal., 265 L Capacity Mounted Left Side, Under Cab

#### 17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- d. GAUGE, DEF FLUID LEVEL
- e. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Angle Adjust, Dual Shocks
- f. SEAT, PASSENGER {National} Non Suspension, High Back With Integral Headrest, Vinyl, With Fixed Back, With Under Seat Storage
- g. MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- h. ARM REST, RIGHT, DRIVER SEAT
  - i. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
  - j. INSTRUMENT PANEL Center Section, Flat Panel
- k. HVAC FRESH AIR FILTER
  - l. STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- m. CAB INTERIOR TRIM Deluxe
- n. CAB REAR SUSPENSION Air Bag Type
- o. MIRROR, CONVEX, HOOD MOUNTED (2) {Lang Mekra} for Left and Right Sides 7.44" Sq.

#### 18. WHEELS

- a. WHEELS, FRONT DISC; 22.5x9.00 Rims, Non-Polished Aluminum, 10-Stud, 285.75mm BC, HubPiloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR DUAL DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and With Steel Hubs

#### 19. TIRES

- a. (8) TIRE, REAR 11R22.5 HDR2 (CONTINENTAL) 491 rev/mile, load range G, 14 ply
- b. (2) TIRE, FRONT 315/80R22.5 HSC1 (CONTINENTAL) 484 rev/mile, load range L, 20 ply

#### 20. OPTIONAL EQUIPMENT INCLUDED

- a. WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2, 2015 or

Later, CTS-2003Z

b. SAFETY EQUIPMENT & NC INSPECTION



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7600 SBA 6X4 - ROLL OFF SPECIFICATION #24**

#### **2017 International 7600 SBA 6x4 - Roll off**

The International 7600 SBA 6x4 - Roll off purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$105,666.00	\$105,666.00	\$105,666.00	\$105,666.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	7600 SBA 6x4 - Roll off			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$105,666.00	\$105,666.00	\$105,666.00	\$105,666.00

Order Code	Add Options	All Zones
	{Navistar N13} SCR, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM	\$224.00
	{Navistar N13} SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM	\$1,962.00
	{Navistar N13} SCR, 430 HP @ 1700 RPM, 1550 lb-ft Torque @ 1000 RPM	\$2,185.00
	{Navistar N13} 475 HP @ 1700 RPM, 1700 lb-ft Torque @ 1000 RPM	\$3,007.00
	Non-Polished Alum., 100 U.S. Gal., Mounted Left Side Under Cab	\$203.00
	{Allison 4500_RDS} Wide Ratio, 6-Speed w/PTO Provision, Less Retarder	\$1,716.00
	{Meritor MFS-20-133A} Wide Track, 20,000-lb Cap. w/20,000-lb Cap. Suspension	\$496.00
	{Meritor RT-46-160} Single Reduction 46,000-lb Capacity, 200 Wheel Ends	\$4,596.00
	{Meritor RT-46-164EH} Single Reduction, 46,000-lb Cap., w/Locking Diff. in both Axles	\$6,155.00
	{Meritor RT-52-185} Single Reduction, 52,000-lb Cap., With Lube Pump	\$14,341.00
	{Hendrickson RT-463} 54" Axle Spacing; 46,000-lb Cap.w/Bronze Center Bushings	\$818.00
	{Hendrickson RT-523} 54" Axle Spacing; 52,000-lb Cap. w/Bronze Center Bushings	\$1,812.00
	Options available upon request	
	Titling	\$125.00





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL 7600 SBA 6X4 - TRACTOR - TRANSFER TRAILER ON-OFF HWY (Specification #25)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy	★Appalachia	\$108,182.00
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy	★Dogwood	\$108,182.00
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy	★Cardinal	\$108,182.00
White/Herring Tractor and Truck, LLC	2017 International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy	★Longleaf Pine	\$108,182.00



## NORTH CAROLINA SHERIFFS' ASSOCIATION

### INTERNATIONAL 7600 SBA 6X4 - TRACTOR - TRANSFER TRAILER ON-OFF HWY SPECIFICATION #25

2017 International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. MISSION

- a. Requested GCWR: 80000. Calc. GVWR: 54000
- b. Calc. Start / Grade Ability: 20.87% / 1.37% @ 55 MPH
- c. Calc. Geared Speed: 77.4 MPH

#### 2. DIMENSION

- a. Wheelbase: 187.00, CA: 119.90, Axle to Frame: 55.00

#### 3. FRAME

- a. TOW LOOP, FRONT
- b. FRAME RAILS WITH TAPERED REAR
- c. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
- d. BUMPER, FRONT Stainless Steel Clad Aluminum, Swept Back

#### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity

#### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 16,000-lb Capacity; With Shock Absorbers

#### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Tractor Applications
- b. BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake Chambers
- c. DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
- d. BRAKE CHAMBERS, ADDITIONAL (2) {Bendix} Spring Brake Type; 30/30 SqIn
- e. AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- f. AIR DRYER {Meritor Wabco System Saver 1200} with Heater
- g. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- h. BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
- i. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- j. AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder
- k. DUST SHIELDS, FRONT BRAKE for Air Brakes
- l. DUST SHIELDS, REAR BRAKE for Air Brakes

#### 7. STEERING

- a. STEERING COLUMN Tilting and Telescoping
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR {Sheppard M100} Power

## 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
- b. ENGINE COMPRESSION BRAKE by Jacobs; for N13 Engines, With Selector Switch and On/Off Switch
- c. TAIL PIPE (1) Turnback Type, Bright, for Single Exhaust
- d. MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel
- e. EXHAUST HEIGHT 13' 3"

## 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. CIGAR LIGHTER Includes Ash Cup
- c. ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount
- d. BATTERY SYSTEM {International} Maintenance-Free (3) 12-Volt 2250CCA Total
- e. 2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab
- f. RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- g. BATTERY DISCONNECT SWITCH {Cole-Hersee 75920-06} 300 Amp; Battery Box Mounted, Disconnects Cab Power, Does Not Disconnect Charging Circuits, Locks with Padlock
- h. BACK-UP ALARM Electric, 102 dBA
- i. HORN, ELECTRIC Disc Style
- j. BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab
- k. LIGHT, WORK {Truck Lite 81 Series} LED, Pedestal Mounted BOC With Switch on Instrument Panel
- l. JUMP START STUD Remote Mounted
- m. POWER SOURCE, TERMINAL TYPE 2-Post
- n. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- o. FOG LIGHTS (2) {Peterson} Clear, Halogen, Rectangular
- p. HEADLIGHTS Long Life Halogen; for Two Light System
- q. CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
- r. STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
- s. CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- t. TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

## 10. FRONT END/HOOD

- a. FENDER EXTENSIONS Omit
- b. INSULATION, UNDER HOOD for Sound Abatement
- c. GRILLE Stationary, Chrome
- d. INSULATION, SPLASH PANELS for Sound Abatement
- e. BUG SCREEN Front End; Mounted Behind Grille
- f. FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood

## 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
- c. FIFTH WHEEL, AIR SLIDE {Fontaine SL7LWB825024} 24" Slide, Cast Top Plate, 8.25" Above Top of Frame; Left Side Release
- d. VEHICLE REGISTRATION IDENTITY ID for 49 States, Excluding California
- e. MUD FLAP HOLDER Spring Loaded, Painted Black; With 45-Degree End, With Red and White Reflective Tape; Less Flaps
- f. MUD FLAPS, REAR Black Poly, With International Logo; Less Holders
- g. QUARTER FENDERS for Rear Wheels, Black Plastic; Frame Mounted

## 12. CLUTCH

- a. CLUTCH Omit Item (Clutch & Control)

## 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines
- b. BLOCK HEATER, ENGINE {Phillips} 120V/1500W
- c. ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
- d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
- e. FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016
- f. AIR CLEANER Single Element
- g. COLD STARTING EQUIPMENT Automatic; With Engine ECM Control
- h. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
- i. RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1012 SqIn CAC, 1543 SqIn 3 Core LTR

#### 14. TRANSMISSION

- a. TRANSMISSION, AUTOMATIC {Allison 4500\_RDS\_P} 5th Generation Controls; Wide Ratio, 6Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder
- b. OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type
- c. TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- d. TRANSMISSION OIL Synthetic; 63 thru 76 Pints
- e. AUTOMATIC NEUTRAL Allison WT Transmission Shifts to Neutral When Parking Brake is Engaged and Remains in Neutral When Parking Brake is Disengaged
- f. ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks Modified for Single Input Auto Neutral
- g. TRANSMISSION TCM LOCATION Located Inside Cab
- h. SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
- i. PTO LOCATION Left Side of Transmission

#### 15. REAR AXLE/SUSPENSION

- a. AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 4.88
- b. SUSPENSION, REAR, TANDEM {Hendrickson RT-463} Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity With Bronze Center Bushings
- c. SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions

#### 16. FUEL TANK/FILTERS

- a. DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab
- b. FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor
- c. FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 19" Deep, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

#### 17. CAB & EQUIPMENT

- a. CAB Conventional
- b. GAUGE CLUSTER English With English Electronic Speedometer
- c. GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission
- d. GAUGE, OIL TEMP, REAR AXLE
- e. GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel
- f. IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- g. GAUGE, DEF FLUID LEVEL
- h. SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Angle Adjust, Dual Shocks
- i. MIRROR, CONVEX, LOOK DOWN {Lang Mekra} Right Side; 6" x 10 1/4", With Bright Finish
- j. MIRRORS (2) {Lang Mekra} Styled; Rectangular, Power Both Sides, Thermostatically Controlled Heated Heads, Clearance Lights LED, Bright Finish Heads & Brackets, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing
- k. SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl
- l. SEAT BELT All Orange; 1 to 3

- m. ARM REST, RIGHT, DRIVER SEAT
- n. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- o. INSTRUMENT PANEL Center Section, Flat Panel
- p. HVAC FRESH AIR FILTER
- q. STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- r. FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood
- s. CAB INTERIOR TRIM Deluxe
- t. CAB REAR SUSPENSION Air Bag Type
- u. SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights
- v. ACCESS, FRAME Non-Bright, Step Mounted Left Side, With One Flush Mounted Deck Plate and Grab Handle

18. WHEELS

- a. WHEELS, FRONT {Maxion 90541} DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR {Maxion 90541} DUAL DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- c. PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; With Vendor Applied White Powder Coat Paint
- d. PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; With Vendor Applied White Powder Coat Paint

19. TIRES

- a. (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply
- b. (2) TIRE, FRONT 12R22.5 HSR2 (CONTINENTAL) 483 rev/mile, load range H, 16 ply

20. OPTIONAL EQUIPMENT INCLUDED

- a. FIFTH WHEEL LOCATION On Rear Axle Centerline
- b. WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2, 2015 or Later, CTS-2003Z
- c. SAFETY EQUIPMENT & NC INSPECTION



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL 7600 SBA 6X4 - TRACTOR - TRANSFER TRAILER ON-OFF HWY SPECIFICATION #25**

#### **2017 International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy**

The International 7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$108,182.00	\$108,182.00	\$108,182.00	\$108,182.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	7600 SBA 6x4 - Tractor - Transfer Trailer On-Off Hwy			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$108,182.00	\$108,182.00	\$108,182.00	\$108,182.00

Order Code	Add Options	All Zones
	{Navistar N13} 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM	\$244.00
	{Navistar N13} 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM	\$1,962.00
	{Navistar N13} 430 HP @ 1700 RPM, 1550 lb-ft Torque @ 1000 RPM	\$2,185.00
	{Navistar N13} 475 HP @ 1700 RPM, 1700 lb-ft Torque @ 1000 RPM	\$3,007.00
	D-Style, 70 U.S. Gal., Mounted Left Side, Under Cab	\$46.00
	{Allison 4000_RDS_P} Close Ratio, 6-Speed, Double Overdrive, With PTO Provision	(\$1,372.00)
	Grab Handle Chrome; Towel Bar Type; for Cab Entry Mounted Left Side "B" Pillar	\$118.00
	Options available upon request	



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>INTERNATIONAL PROSTAR+ 122 6X4 - TRACTOR - TRANSFER TRAILER ON-HWY (Specification #26)</u></a>			
White/Herring Tractor and Truck, LLC	2017 International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy	★Appalachia	\$99,595.00
White/Herring Tractor and Truck, LLC	2017 International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy	★Dogwood	\$99,595.00
White/Herring Tractor and Truck, LLC	2017 International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy	★Cardinal	\$99,595.00
White/Herring Tractor and Truck, LLC	2017 International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy	★Longleaf Pine	\$99,595.00





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL PROSTAR+ 122 6X4 - TRACTOR - TRANSFER TRAILER** **ON-HWY** **SPECIFICATION #26**

2017 International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. MISSION

- a. Requested GCWR: 80000. Calc. GVWR: 52350
- b. Calc. Start / Grade Ability: 21.40% / 1.63% @ 55 MPH
- c. Calc. Geared Speed: 86.9 MPH

#### 2. DIMENSION

- a. Wheelbase: 191.00, CA: 119.35, Axle to Frame: 53.00

#### 3. FRAME

- a. FRAME RAILS WITH TAPERED REAR
- b. FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 367.4" (9333mm) Maximum OAL
- c. BUMPER, FRONT 3-Piece, Plastic, Aero, Molded Dark Gray Color
- d. DECK PLATE Aluminum; Bright, (2) Section Flush Mounted, Quick to Release
- e. WHEELBASE RANGE 187" (475cm) Through and Including 219" (555cm)

#### 4. FRONT AXLE

- a. AXLE, FRONT NON-DRIVING {Meritor MFS-14-122A} I-Beam Type, 14,000-lb Capacity

#### 5. FRONT SUSPENSION

- a. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 14,000-lb Capacity; With Shock Absorbers

#### 6. BRAKE SYSTEM

- a. BRAKE SYSTEM, AIR Dual System for Tractor Applications
- b. BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake Chambers
- c. HOSE TENDER Slide Bar with Double Spring Bracket; Bar Extended 4.0" From Cab
- d. BRAKE CHAMBERS, ADDITIONAL (2) {Bendix} Spring Brake Type; 30/30 SqIn
- e. AIR BRAKE ABS {Meritor Wabco AntiLock Brake System} (4-Channel)
- f. AIR DRYER {Bendix AD-IS} With Heater, Includes Pressure Protection Circuits, Safety Valve, and Purge Tank
- g. BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
- h. BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
- i. BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
- j. AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
- k. AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Left Rail, Under Cab; Perpendicular to Rail

#### 7. STEERING

- a. STEERING COLUMN Tilting
- b. STEERING WHEEL 2-Spoke, 18" Dia., Black
- c. STEERING GEAR {Sheppard HD94} Power
- d. POWER STEERING OIL COOLER Remote Mounted

## 8. EXHAUST

- a. EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
- b. AFTERTREATMENT COVER Steel, Black
- c. ENGINE COMPRESSION BRAKE {Cummins} Interbrake For Cummins Signature or ISX Engines; Furnished with Engine
- d. TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust
- e. EXHAUST HEIGHT 13' 3"

## 9. ELECTRICAL

- a. ELECTRICAL SYSTEM 12-Volt, Standard Equipment
- b. POWER SOURCE Cigar Type Receptacle without Plug and Cord
- c. ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount
- d. BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- e. CB RADIO Omit; Wiring, Power Feeds, Power Source,
- f. RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers
- g. STOP, TURN, TAIL & B/U LIGHTS LED Multi-Function Lamp with LED Bulbs for Stop, Turn, Tail, Backup and License Plate Lights
- h. HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- i. LIGHT, WORK (1) Pedestal Mounted BOC With Switch on Instrument Panel
- j. RUNNING LIGHT (2) Daytime
- k. TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
- l. HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
- m. HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
- n. STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
- o. HEADLIGHTS Halogen, with Park Lights and Daytime Running Lights
- p. BATTERY BOX Steel, 30" Wide, 3 or 4 Battery Capacity, Mounted Left Side Under Cab
- q. BATTERY BOX COVER Plastic

## 10. FRONT END/HOOD

- a. FRONT END Tilting, Fiberglass, With Three Piece Construction
- b. FENDER EXTENSIONS Molded in Gray

## 11. PAINT

- a. PAINT SCHEMATIC, PT-1 Single Color, Design 100
- b. PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
- c. KEYS - ALL ALIKE Fleet - Includes Ignition and Cab Door Keys
- d. FIFTH WHEEL, AIR SLIDE {Holland FW17J924XL00} 24" Slide, 8.75" Above Top of Frame; Left Hand Roadside Release
- e. KEYS - ALL ALIKE, ID Z-100
- f. MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective Tape; Less Flaps
- g. MUD FLAPS, REAR Black Poly, With International Logo; Less Holders

## 12. CLUTCH

- a. CLUTCH {Eaton Fuller Solo Advantage} Self-Adjusting, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity
- b. CLUTCH EFFECTS Hydraulic Clutch Actuation System

## 13. ENGINE

- a. ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- b. BLOCK HEATER, ENGINE {Phillips} 120V/1500W
- c. ENGINE, DIESEL {Cummins ISX 15 425 ST} EPA 2010 425 HP @ 1800 RPM, 1450/1650 lb-ft Torque @ 1000 RPM, 1800 RPM Governed Speed, 436 Peak HP (Max)
- d. FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan

Speed

- e. FEDERAL EMISSIONS {Cummins ISX} EPA, OBD and GHG Certified for Calendar Year 2016
- f. RADIATOR Aluminum; Welded, Cross Flow, Parallel System, With 1055 SqIn Radiator, and 460 SqIn Charge Air Cooler
- g. AIR CLEANER Single Element
- h. HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type
- i. EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

#### 14. TRANSMISSION

- a. TRANSMISSION, MANUAL {Fuller FR0-15210C} 10-Speed Manual, With Overdrive, With Air Shift, With Internal Lube Oil Pump
- b. OIL COOLER MANUAL TRANSMISSION for International, Fuller, Meritor or Spicer Transmission, Mounted on Radiator, Air to Oil Type, (REQUIRES TRANSMISSION LUBE PUMP)
- c. CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions
- d. TRANSMISSION OIL {EmGard 40W} Synthetic; 22 thru 33.99 Pints
- e. PTO LOCATION Dual, Right Side and Rear of Transmission

#### 15. REAR AXLE/SUSPENSION

- a. SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab
- b. AXLE, REAR, TANDEM {Meritor MT-40-14X-5CFR} Single Reduction, 0.500"(12.7mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, Amboid Gearing in Rear-Rear Axle . Gear Ratio: 3.25
- c. SUSPENSION, REAR, AIR, TANDEM {International} Ride Optimized Suspension (IROS); 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, With Shock Absorbers
- d. AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints

#### 16. FUEL TANK/FILTERS

- a. FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor
- b. FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 70 U.S. Gal., 265L Capacity Mounted Back of Cab/Under Sleeper Left Side
- c. DEF TANK 16 U.S. Gal. 60.6L Capacity, Frame Mounted Outside Left Rail, Under Cab

#### 17. CAB & EQUIPMENT

- a. CAB Conventional
- b. CAB INTERIOR TRIM ACCENT Dark Neutral
- c. GAUGE CLUSTER {Black Bezel} Black Face; English with English Electronic Speedometer and Tachometer for Air Brake Chassis, Includes Voltmeter, Engine Coolant Temp & Oil Pressure, Prim & Sec Air Pressure, Fuel w/Warning Ind. & Alarm; Odometer, Trip, Engine Hr., Trip Hr, Fuel Econ, Trip Average Fuel Econ
- d. WINDOW, WING VENT (2) Fixed
- e. GAUGE, DEF FLUID LEVEL
- f. SEAT, DRIVER {National 2000 Model 195} Air Suspension, High Back, Vinyl Boxing With Cloth Facing, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Way Front Cushion Adjust, 3-14 Degree Back Angle Adjust
- g. SEAT, PASSENGER {National 2000 Model 192} Non Suspension, High Back, Vinyl Boxing With Cloth Facing, 11 Degree Back Angle Adjust
- h. MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} Right and Left Sides; 7.44" Sq., Black
- i. MIRRORS (2) {Lang Mekra} Aero; Rectangular, Power Both Sides, Thermostatically Controlled Heated Heads, Clearance Lights LED, Body Color Painted Heads, Black Brackets, Bright Finish Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing
- j. CAB INTERIOR TRIM ProStar Deluxe, for Day Cab
- k. AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- l. WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
- m. ROOF AIR DEFLECTOR Fixed, Paint and Install at the Plant
- n. ACCESS, FRAME Steel, Step Mounted Left Side, With One Flush Mounted Deck Plate and Grab Handle

#### 18. WHEELS

- a. WHEELS, FRONT {Accuride} DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
- b. WHEELS, REAR {Accuride} DUAL DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

c. WHEEL BEARING, FRONT, LUBE {EmGard FE-75W-90} Synthetic Oil

19. TIRES

- a. (2) TIRE, FRONT 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply
- b. (8) TIRE, REAR 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

20. OPTIONAL EQUIPMENT INCLUDED

- a. FIFTH WHEEL LOCATION On Rear Axle Centerline
- b. WARRANTY Standard for TranStar, 9900i, ProStar and LoneStar, Effective with Vehicles Built January 2, 2015 or Later, CTS-2004V
- c. SAFETY EQUIPMENT & NC INSPECTION



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **INTERNATIONAL PROSTAR+ 122 6X4 - TRACTOR - TRANSFER TRAILER ON-HWY SPECIFICATION #26**

#### **2017 International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy**

The International Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$99,595.00	\$99,595.00	\$99,595.00	\$99,595.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Prostar+ 122 6x4 - Tractor - Transfer Trailer On-Hwy			
<b>DEALER:</b>	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC	White/Herring Tractor and Truck, LLC
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$99,595.00	\$99,595.00	\$99,595.00	\$99,595.00

Order Code	Add Options	All Zones
	{Cummins ISX 15 450 ST} 450 HP @ 1800 RPM, 1450/1650 lb-ft Torque @ 1000 RPM	\$447.00
	{Cummins ISX 15 450} 450 HP @ 1800 RPM, 1550 lb-ft Torque @ 1000 RPM	\$347.00
	26" Diam., 100 U.S. Gal., Mounted Right Side	\$84.00
	(2) 70 U.S. Gal., Total Cap. 140 U.S. Gal., Mounted Back of Cab	\$859.00
	{Fuller FRO-16210C} 10-Speed Manual, With Overdrive, With Internal Lube Oil Pump	\$364.00
	Grab Handle Chrome; Towel Bar Type; for Cab Entry Mounted Left Side "B" Pillar	NA
	Options available upon request	



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>ISUZU - NRR – (4X2 – REAR LOADER SIDE LOADER, HOOK LIFT) (Specification #27)</u></a>			
Transource, Inc.	2017 Isuzu NU154	★Appalachia	\$44,706.00
Transource, Inc.	2017 Isuzu NU154	★Dogwood	\$44,706.00
Transource, Inc.	2017 Isuzu NU154	★Cardinal	\$44,706.00
Transource, Inc.	2017 Isuzu NU154	★Longleaf Pine	\$44,706.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **ISUZU - NRR – (4X2 – REAR LOADER SIDE LOADER, HOOK LIFT)** **SPECIFICATION #27**

2017 Isuzu NU154

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. MODEL

- a. 2017 Isuzu NRR DSL REG at 109" WB White Cab IBT Air PWL

#### 2. MECHANICAL

- a. Truck Application
- b. GVWR, 19500 lbs (8845 kh) capacity
- c. 4HK1-TC, diesel engine 317 CID (5.19L), 215 HP at 2550 RPM: 452 ft-lb gross torque at 1850 RPM. 4 cylinder, 16 valve, four cycle, overhead cam, turbo charged, inter-cooled, water cooled EGR valve, direct injection, electronically controlled common rail fuel system and engine cruise control. Oil level check switch and light. Engine warning system with audible warning for low oil pressure, high coolant temperature, and low coolant level. Rear engine cover
- d. Air cleaner, 11 in. diameter Dry Paper single element. (Donaldson brand) Air cleaner canister standard with air restriction gauge. The air cleaner snorkel is incorporated into the back of the cab and incorporates a resonator
- e. Alternator, 140 AMP with integral regulator
- f. Battery, Dual 12-V maintenance free, 750 CCA each
- g. Transmission, Automatic, Aisin A465 6-Speed. Ratios: 3.742, 2.003, 1.343, 1.000, 0.773, 0.634, Rev 3.539
- h. Rear wheel drive
  - i. 4.75-gallon cooling system
  - j. Front GAWR, 7275 lbs capacity
- k. Front axle, Reverse Elliot "I"-beam rated at 7,275 lbs. (3300kg). Includes integral hydraulic power steering. Ratio 18.8-20.9:1
  - l. Front Suspension, 8440 lbs. (3828 kg) capacity. Semi-elliptical steel alloy tapered leaf springs. Includes shock absorbers and stabilizer bar
- m. Front wheels, 19.5" x 6", 6-hole disc painted white
- n. Front tires, 225/70R19.5F (12ply) tubeless Radial, all season tread
- o. Rear GAWR, 13660 lbs (6196 kg) capacity
- p. Rear Axle, Full-floating single-speed, 14550 lbs. (6600 kg) capacity with oil lubricated rear wheel bearings
- q. Rear Axle Ratio, 5,571:1
- r. Rear Suspension, 14550 lbs. (6600 kg) capacity. Semi-elliptical steel alloy multi-leaf springs. Includes shock absorbers.
- s. Rear Wheels, 19.5" x 6" 6-hole disc, painted white
- t. Rear Tires, 225/70R19.5F (12ply) tubeless Radial, all season tread
- u. Wheelbase, 109" (276.9 cm), includes ladder type channel frame. Full C section straight frame 33.5 inches (85.1 cm) wide. Yield strength 44,000 psi, section modulus 7.20 cu.in. and RBM 316,800 lb-ft/in per rail
- v. Fuel Tank, 30-gallon (113.6L) rectangular fuel tank. Mounted in frame rail behind rear axle. Fuel water separator with indicator light
- w. Brake System, Dual circuit, hydro-boost hydraulic with EBD (Electronic Brake Distribution). Disc front and self-adjust outboard mounted drum rear. Mechanical, transmission mounted parking brake. Non-asbestos semi metallic linings are standard. 4 channel anti-lock brake system
- x. Exhaust Brake, Butterfly valve type
- y. Exhaust System, Single horizontal with DPF (Diesel Particulate Filter)



### 3. EXTERIOR

- a. Paint Scheme, Solid
- b. Hexapod cab
- c. Cab Mounts, All steel low cab forward, BBC 70.7 in. (179.6 cm) 45 deg. mechanical tilt with torsion assist
- d. Daytime running lamps
- e. Windows, tinted glass
- f. Mirrors, Dual cab mounted exterior with integral convex mirror
- g. Windshield Wipers, Intermittent wet-arm

### 4. INTERIOR

- a. Multi-Information Display (MID) (monitors vital functions including diesel exhaust fluid levels (DEF), particulate matter emissions level in the diesel particulate filter (DPF), diesel particulate filter regeneration, service reminders for engine oil, transmission oil, differential oil, power steering fluid, engine oil filter, and fuel filters. The MID provides fuel economy reporting by average, instant, and trip)
- b. Isuzu Vehicle Health Report (Standard on all N-Series diesel trucks, exclusive to Isuzu, monitors the trucks performance, and driver behavior. Reports provide detailed information on engine operation, braking, emissions, fuel economy, acceleration and deceleration frequency, idling, and speed history. Ask your Isuzu dealer to provide you with an Isuzu Vehicle Health Report at your next service)
- c. AM/FM/CD stereo radio
- d. Tricot cloth covered reclining highback driver seat with single two occupant fold down passenger seat
- e. Floor mats
- f. Tilt and telescoping steering column
- g. Cruise control
- h. Power windows and door locks
- i. Overhead storage shelf

### 5. SAFETY-MECHANICAL

- a. 4 channel anti-lock brake system
- b. Daytime running lamps
- c. EBD (Electronic Brake Distribution)

### 6. WARRANTY

- a. Basic Years: 3
- b. Basic Miles/km: Unlimited
- c. Drivetrain Years: 3
- d. Drivetrain Miles/km: Unlimited
- e. Corrosion Years: 4
- f. Corrosion Miles/km: Unlimited
- g. Frame Rail Years: 3
- h. Frame Rail Miles/km: Unlimited
- i. Frame Rail Note: 3 Years to 5 Years/Unlimited parts and labor have a 50% charge

### 7. TURNING CIRCLE

- a. Front Axle Capacity - 7275 lbs
- b. Wheelbase - 109 in
- c. Front Wheel Size/Type - 19.5 x 6 in
- d. Front Tire Size/Type - 225/70R19.5F

### 8. DIAMETER

- a. Wall to Wall: 38.7ft (Wall to wall diameter is measured from the outermost part of the cab)
- b. Curb to Curb - 32.8 ft (Curb to curb diameter is measured from the outside of the front tire)

### 9. WEIGHT RATINGS

- a. Front Gross Axle Weight Rating - 7275 lbs
- b. Rear Gross Axle Weight Rating - 13660 lbs
- c. Gross Vehicle Weight Rating - 19500.00 lbs

### 10. SEAT TRIM

a. Very dark pewter, Tricot cloth seat trim

11. REQUIRED OPTION

- a. Air conditioning
- b. DEF Fill Charge



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **ISUZU - NRR – (4X2 – REAR LOADER SIDE LOADER, HOOK LIFT) SPECIFICATION #27**

#### **2017 Isuzu NU154**

The Isuzu NU154 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$44,706.00	\$44,706.00	\$44,706.00	\$44,706.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	NU154			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$44,706.00	\$44,706.00	\$44,706.00	\$44,706.00

Order Code	Add Options	All Zones
	Custom/base model (SEO) - inc: in rail fuel tank, pwr windows/door locks (REQ: C60 Air Conditioning)	Incl.
	Arc White	Incl.
WFF <sup>1</sup>	60 months / 150,000 miles	\$1,395.00 <sup>1</sup>
WH1 <sup>1</sup>	48 months / 100,000 miles	\$540.00 <sup>1</sup>
WH3 <sup>1</sup>	60 months / 100,000 miles	\$967.50 <sup>1</sup>
IDA <sup>1</sup>	Cross rail horizontal DPF/SCR w/vertical exhaust (Available only with in rail fuel tank and single cab (no crew cab)) (Limited availability - Contact Isuzu for details)	\$3,366.00 <sup>1</sup>
I4K <sup>1</sup>	Keyless entry system - inc. (2) key fobs	\$284.40 <sup>1</sup>
I5K <sup>1</sup>	Suspension Drivers Seat	\$601.20 <sup>1</sup>
166 <sup>1</sup>	Engine block heater (120V 600W)	\$72.00 <sup>1</sup>
I6K <sup>1</sup>	Lockable DEF fill cap - inc: (2) keys	\$72.00 <sup>1</sup>
I8H <sup>1</sup>	AM/FM/CD radio with aux input, USB port and Bluetooth	\$270.00 <sup>1</sup>
IH9 <sup>1</sup>	Engine idle shutdown (timer set at 5 minutes for engine shutdown)	\$90.00 <sup>1</sup>
I9H <sup>1</sup>	Heated dual remote mirrors w/15" head	\$446.40 <sup>1</sup>
IF4 <sup>1</sup>	Air deflector roof mounted	\$896.40 <sup>1</sup>
IF6 <sup>1</sup>	Fire extinguisher and triangle mounted in rear organizer	\$79.20 <sup>1</sup>
IG3 <sup>1</sup>	Engine oil pan heater (120V 300W)	\$154.80 <sup>1</sup>
IH2 <sup>1</sup>	Engine emergency shutdown system -inc: high water temperature (HWT), low water level (LWL), low oil pressure (LOP)	\$90.00 <sup>1</sup>
IS0 <sup>1</sup>	Heated mirrors	\$93.60 <sup>1</sup>
IU2 <sup>1</sup>	Mirror bracket for 102" wide body	\$122.40 <sup>1</sup>
IV8 <sup>1</sup>	Seat covers (Not available with (I5K) Suspension drivers seat)	\$252.00 <sup>1</sup>
IX2 <sup>1</sup>	Rear body dome lamp switch	\$21.60 <sup>1</sup>
IY9 <sup>1</sup>	Engine idle shutdown (timer set at 3 minutes for engine shutdown)	\$90.00 <sup>1</sup>
UZF <sup>1</sup>	Back up alarm	\$100.80 <sup>1</sup>
V22 <sup>1</sup>	Chrome grille	\$331.20 <sup>1</sup>
IL9 <sup>1</sup>	Provision for power-take-off PTO Enable Switch and Engine Idle Up Switch. Recommended for PTO applications only. These switches can be port or dealer installed. Please consult the body builders guide and/or the service manual for additional programming options and functions	\$43.20 <sup>1</sup>
	Custom/base model (SEO) -inc. in rail fuel tank, pwr windows/door locks (REQ: C60 Air Conditioning)	Incl.
	50 State Emissions, including California	Incl.



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - GU 432 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #28)</u></a>			
Transource, Inc.	2017 Mack GU 432	★Appalachia	\$73,879.61
Transource, Inc.	2017 Mack GU 432	★Dogwood	\$73,879.61
Transource, Inc.	2017 Mack GU 432	★Cardinal	\$73,879.61
Transource, Inc.	2017 Mack GU 432	★Longleaf Pine	\$73,879.61



## NORTH CAROLINA SHERIFFS' ASSOCIATION

### MACK - GU 432 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #28

2017 Mack GU 432

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. ENGINE TRANSMISSION

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - ISL-D 345/8.9L, Cummins 345hp 2100 RPM (governed) US'14 (1150 lb-ft)
- c. Transmission - FRO14210C 10 SP-FULLER
- d. Pre-View Topography - Without Pre-View Topography
- e. Transmission Electronics - Without Transmission Electornics
- f. Engine Governor Type - Engine Governor Type MIN-MAX

#### 2. EXHAUST EMMISIONS

- a. CARB 2008 IDLE Regulation - IDLE Emission Certification, CARB 08 (with decal located on lower LH corner\driver door)
- b. DPF Cover - DPF Cover painted steel
- c. DPF Diesel Particulate Filter - Cleartech HHS DPF RH Side Under CAB w/SCR Frame MTD RH Side-US10
- d. Exhaust - No Muffler, Single (R/S) Vertical Straight EXH Stack turned out end, outboard
- e. Exhaust Heat Shield Type - Exhaust Heat Shield Type, Basic
- f. Exhaust Stack Height - Exhaust Stack 3.55 Meter, Height over ground (11'6")
- g. Exhaust System Material Finish - Standard Exhaust System Material Finishing
- h. DEF TANK - 45L/22" DIA Semi Tank LEft Side Frame MTD
- i. DEF Tank Cover - DEF Tank Cover, Painted Finish
- j. Exhaust Aftertreatment System - Selective Catalyst Reduction - Diesel Part Filter Ceramic
- k. Emission On Board DIAG Control - Emission OBD, Display Only, USA2016

#### 3. ENGINE EQUIPMENT

- a. Air Cleaner - 11" Single Element Donaldson
- b. Air Intake Source - Air Intake Source, Hood Outside
- c. Bug Screen - Black Alum Mounted Behind Grille
- d. Air Compressor - MERITOR/WASBO 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA)- Standard Fuel Filter Position
- f. Alternator - 12V130A DELCO 24SI (130 AMP)
- g. BATTERIES - 2-12V MACK M/F 31 1000 CCA THREADED STUD TYPE
- h. Cooling Performance - Narrow Radiator with Lenght 4 (60 DM2), 41 DEG C ATB, Cooling Capacity
- i. Coolant Protection - Texaco Extended Life Coolant #7998 w/Nitrites (50/50 Mix) to -34 Deg.
- j. Coolant Filter/Conditioner - with Filter/Conditioner
- k. Fan Drive - Kyson Fan, "On-Off"
- l. Engine Brake - without ENG BRK
- m. Fuel-Water Separator - DAVCO 382 Non-Heated w/Vendor Prim/Mack SEC Fuel Filter
- n. Battery Box - Mounting - RH Under CAB-US10
- o. Battery Box Cover - Basic Battery Box Cover
- p. Battery Disconnect Switch - without Battery Disconnect Switch

- q. Emergency Start Studs - without Emergency Start Studs
- r. Hoses - Radiator/Heater - MACK Brand EPDM Radiator & Heater Hoses
- s. Starter - 12V Standard Starter DELCO 39MTHD
- t. Oil Pan - Oil Pan Steel
- u. Tether Dev Pkg, Caps & Covers - without Tether Device PKG for Caps & Covers
- v. Engine Block Heater - without Engine Block Heater
- w. Engine Oil Pan Heater - without Engine Oil Pan Heater
- x. Engine Starting Aid - without Starting Aid
- y. Breather Filter - without Breather Filter
- a`. Engine Oil Drain Kit - without Engine Oil Drain Kit
- aa. Battery Shock Pads - without Battery Shock Pads
- ab. Smart Idle Elevated IDLE RPM Time - Increase 10 minute maximum time

#### 4. CLUTCH/TRANS EQUIPMENT

- a. Clutch - Eaton Advantage EZ-Pedal 7-Spring, 2Plate 15.5" Ceramic 4 Paddles, Manual Adjust
- b. Driveline - MAIN - Meritor 18 MXL "XTENDED LUBE"
- c. Clutch Actuation System - Clutch Actuation System, Mechanical, Cable
- d. Lubricants, Transmission - Synthetic Oil in Transmission, 50W
- e. Clutch Pedal Pad - Clutch Pedal Pad, Rubber
- f. Transmission Oil Cooler - without Oil Cooler
- g. Transmission Dust Proofing - without Transmission Dust Proofing
- h. Prop Shaft Bearing Guard - without Prop Shaft Bearing Guard
- i. Propeller Shaft Main, UNVSL JNT - Propeller Shaft Main, Universal Joint Half-Round Type
- j. Hill Start Assist - without Hill Start Assist
- k. Bell Housing - Aluminum Bell Housing
- l. Clutch Brake - Clutch Brake, One Piece
- m. Clutch Lube Line - without Lubeline between Release Bearing and Bell Housing
- n. Retarder - without Retarder
- o. Transmission Torque Converter - without Transmission Torque Converter
- p. Transmission Adaptation Ring - without Transmission Adaptation Ring
- q. Gear Shift Lever - Gear Shifting, Basic
- r. Engine Start Condition - without Engine Start Condition
- s. Trans Shift Mode Points - without Trans Shift Mode Points
- t. Transmission Protection - without Transmission Protection
- u. Econo Roll - Econo Roll Disable M-Drive (Required for all other Transmissions)
- v. mDRIVE MACKCELLERATOR - without Transmission Kick-Down Mode

#### 5. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL12 12000 LB-MACK 5400 KG (N/A with Lift Axles)
- b. Springs - Front - 12,000 LB Taperleaf 5400 KG (2-LEAF SPRING)
- c. Front Axle Brakes - MERITOR "S" CAM 16.5"x5 Q Plus Brakes
- d. Brake, Front - Cast Iron Brakedrum, Front Axle
- e. Front Axle Brake Dust Shield - Front Brakes without Dust Shields
- f. Front Brake Chamber MFG - Front Brake Chamber Manufacture, MGM
- g. Front Brake ADJ. Manufacture - Front Brake Adjustment, Automatic Haldex
- h. Front Spring Bias - without Front Spring Bias (Equal Stiffness L/R)
- i. Brake Lining Material Front - Brake Lining material, Front, FED MOGUL ABEX 931-162/R301
- j. HUB Material, Front - Aluminum HUB, Front
- k. HUB Oil Seal, Front - FAG Schaeffler, Front HUB Oil Seal
- l. Spindle Nuts, Front - Basic (No Option) Spindle Nuts, Front
- m. Shock Absorber, Front - with Shock Absorber, Front
- n. Steering - THP60 TRW Power
- o. Lubricants, Front Axle - Petroleum Oil in Front Axle
- p. Front Brake Chamber Size - Front Brake Chamber 20SQ Inches (Service)
- q. Brake Regulation - Brake Regulation, Stopping Distance 94M (310 FT)

#### 6. REAR AXLE EQUIPMENT

- a. Real Axle - Single - RS23160 23000 LB-Meritor 10400 KG Max GCW 100,000 LB Malleable
- b. Rear Axle Casing Width - Real Axle Casing Width, Standard
- c. Lube Pump, Rear Axle - without Lube Pump, Rear Axle

- d. Carrier - Vendor Carrier
- e. Rear Axle Ratio - Ratio 4.56, Rear Axle
- f. Rear Suspension - Single - 23000LB Multileaf 10400KG No Anti Sway
- g. Springs - Anti-Sway - without Anti-Sway
- h. Suspension Levelling Devise - without SUSP. LEVELING DEVICE
- i. Air Suspension Dump Warning - without Air Suspension Dump Warning
- j. Rear Shock Absorber - without Rear Shock Absorber
- k. Transverse Torque RODS, R SUSP - without Rear Suspension Transverse Torque ROD
- l. Brakes - Rear - Meritor-CAM 16.5X7 Q Plus
- m. Brake Drums/Rotors - Rear - Cast Iron Brake Drums
- n. Rear Brake ADJ Manufacture - Rear Brake Adjustment, Automatic Haldex
- o. Rear Brake Chamber Size - Rear Brake Chamber 30/30 SQ Inches (Service/Emergency)
- p. Drive Axle Brake Dust Shield - Rear Drive Brakes without Dust Shields
- q. Brake Lining Material Drive - Brake Lining Material, Drive, FED Mogul Abex 931-162/R301
- r. HUB Material, Drive - Iron Preset HUB, Drive, w/Integrated Spindle Nut
- s. HUB Oil Seal, Drive - Premium HUB Oil Seal, Drive
- t. Power Divider Lockout - without Power Divider
- u. Lubricants, Rear Axle - Petroleum Oil in Rear Axle
- v. Spring Brake Chambers - Vendor - MGM Model TR-T; Tamper-Resistant Brake Chambers
- w. Traction Differential = without INTR-WHL/DIFFRNTL OPTNS
- x. Spindle Nuts, Main Axle - Spindle Nuts, Main Axle, Integrated
- y. ABS Sensor & Modulator - ABS 4 Sensors & 4 Modulators (Front & Rear Axles)
- a`. Anti-Lock Brake System - Bendix (Eaton/Bosch) ABS
- aa. Brake Valve Version = Brake Valve Version, USA-Bendix, Where Possible
- ab. Traction Control Disable - without Traction control Disable

#### 7. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - without Option Center Support

#### 8. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 183"
- b. AF (Overhang) - 92"
- c. Frame Rails - Steel - 300MMx90MMx7mm - (11.81' x 3.54x 0.31")
- d. Frame Inner Liner - without Liner
- e. Frame Outer Liner (CA)- without Frame Outer Liner
- f. Front Frame Ext. (Bolted On) - 155MM, Front Frame Extension, Bolted on (6 Inches)
- g. Front Frame Length - Front Frame Length 725MM
- h. Crossmembers - BOC and Intermediate(s)= Steel HD Back-to-Back Channel
- i. Frame Rail Free Space - without Frame Rail Clearance
- j. Fuel Tank Polish Option - without Fuel Tank Polish Option
- k. Rear Crossmember Options - Rear Crossmember, Straight Frame End (Basic)
- l. Rear Frame Treatment - Straight Cut Treatment, Rear Frame
- m. Mudflap Hangers, Rear Axle - without Mudflap Hanger, Rear Axle
- n. Mudflap Type, Rear Axle - without Rear Mudflap
- o. Mudflap, Front Axle - Basic Mudflap, Front Axle
- p. Front Bumper - Bumper, Steel Painted Extended
- q. Guard, Under Engine Bayt - without Guard
- r. Aux Crossm, In Rear Overhang - 1 Aux. Crossmember, Single Channel
- s. Towing Device, Front - Two Clevis Towing Device, Front
- t. Towing Coupling - without Towing Coupling
- u. Towing Device, Rear - without Towing Devices, Rear
- v. Fuel Tank - LH - 66 GAL Steel (250 Liters) Sleeved, D-Shape 22IN (560MM)
- w. Fuel Level Sender Unit, Liquid - Basic Fuel Level Sender Mounted on LH Tank
- x. Fuel Tank - RH - Omit RH Fuel Tank
- y. Toolbox Chassis - without Toolbox Chassis
- a`. Filler Neck Screens - w/o Filler Neck Screen w/o SUMP
- aa. Fuel Line Options, Liquids - Fuel Line Option, Single
- ab. Fuel Tank Cap - Non-lockable Fuel Tank Cap
- ac. Steps (Bright) - Fuel Tank - w/o Bright Finish Steps and Straps Package
- ad. Fuel Fill System, Liquid - Fuel Fill System, Basic
- ae. Quarter Fenders - w/o Rear Axle Fenders



af. Isolate Tank From Fuel System - without Isolate Tank

9. AIR/BRAKE

- a. Air Dryer - Manufacturer - WABCO Air Dr, 1200UP W/T Cut Off Valve, W Coalesc Oil Filter
- b. Airtank Drain Valve - Petcock Drain Valve, On Brake Sys Tanks
- c. Airtank Material - Steel Airtank
- d. Air Dryer Position (CA) - Air Dryer Position Standard
- e. Park Brake Alarm (CA) - without Park Brake Alarm
- f. Parking Brake Valve - Parking Brake Valve, 1 Yellow Knob, All Parking
- g. Relocated Air Reservoirs - w/o Relocated Air Reservoirs
- h. Auxiliary Airtank - without AUX. Airtank

10. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis Wiring Harness Casing, Basic
- b. Auxiliary Pneumatic Outlet Cab - without Auxiliary Pneumatic Outlet, in Cab
- c. Auxiliary Spotlight (CA) - without Auxiliary Spotlight
- d. Parking Brake Lighting - without Parking brake Lighting
- e. Dash Panel Box - Dash Panel Clip and Cell Phone Holder
- f. Back-up Alarm - without Back-up Alarm
- g. Aux. Fog Lamp - without Fog Lamp
- h. Auxiliary Lamps - without Auxiliary Lamps
- i. Tail Lamps - Tail Lamp, Multipurpose
- j. Dash Mounted Switches - without Aux. Switch Wiring
- k. Marker/Directional Signal - w/o marker/Directional Signal Option
- l. Daytime Running Lights - RL when ENG Running, Park Brake Off
- m. Warning Lamp - without Warning Lamp

11. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA)- without Fifth wheel Angles
- b. 5th Wheel Angle Thickness - without 5th Wheel Angle Thickness
- c. Trailer Glad Hand Couplings - without Brake Connection
- d. Trailer Brake Valve - without Trailer Brake Valve
- e. Trailer Connection Position - without Trailer Connection Position
- f. Electrical Recept, AUX Power - without Electrical Recept. AUX Power
- g. Trailer Electrical Recept - without Trailer Electrical Recept
- h. Trailer Hookup Light - without CAB MTD Trailer Hookup Lamp

12. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - without Hydraulic Pump
- b. Front Body Attachment - without Front Body Attachment
- c. Frame Modifications - No Frame Modifications Provided
- d. Certified Weight - Customer Guaranteed Weight, Must be Certified Weight
- e. Rust Protection Additional (CA)- without Transp. Rust Protection
- f. AUX Transmission Cooler (CA) - without Auxiliary Transmission Cooler
- g. Rear Engine PTO - w/o Rear Engine PTO
- h. PTO Trans Neutral Contrl Check - without PTO Transmission Neutral Control Check
- i. Power Take Off Control - without Power Take Off Control
- j. Crankshaft Adapter - w/o Front End PTO Drive
- k. Bulk Unloading Adaptation - without Bulk Unloading Adaptation
- l. Body Builder Interface - Body Link3 W CAB Pass Thru
- m. Unique Decals Machine Directiv (CA)- without Decals
- n. PTO Trans Side, Free Space - without PTO Transmission Side, Free Space
- o. PTO - Rear Mounted - w/o Rear MTD PTO - (non-M-Drive)

13. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air Intake Grille, Gray
- c. Air Restriction Indicator - without Air Restriction Indicator
- d. Antenna - Satellite - without Satellite Antenna

- e. Ashtray - Ashtray
- f. Audio Shutoff - without Automatic Audio Shutoff
- g. Audio Speaker Location - Speaker Location, Behind Doors, Middle High Side Panel
- h. Bug Deflector - Windscreen - without Bug Deflector
- i. CAB INSTEP Version - CAB STEP Version Basic
- j. CAB Auxiliary Fan - without CAB Auxiliary Fan
- k. CAB Glass - Tinted Windshield, Side Windows, & Rear Window
- l. CAB PEEP WINDOW - Peep Window on Right Side Non STG WHL POS. Depend
- m. CIGARLIGHTER - Cigar Lighter
- n. Dash Indicator - Lamp Body Out of POS - without Dash Indicator Lamp
- o. Dome Lamp, Interior - Dome Lamp, Interior, 2 Each Side, Switches Included
- p. Door Storage Compartment - without Door Storage Compartment
- q. Front Wheel Opening - Basic Front Wheel Opening
- r. Fire Extinguisher - w/o Fire Extinguisher Option
- s. Floor Covering - Polyurethane Floor Mat
- t. Gauge - Ambient Temperature - without Gauge, Ambient Temperature
- u. Time Counter (CA) - without Time Counter
- v. Gauge - Odometer - No Hubodometer Provided
- w. Gauge - Oil Temp-Rear Axle - without Axle Oil Temp Gauge
- x. Gauge - Packages - Standard Gauge Package, plus Trans Oil Temp and Exhaust Pyrometer
- y. Gauge - Unite of Measure - U.S. Units (Predominant)
- a`. Grab Handles - BF Exterior Cab Grab Handles, BL Grab Handle RH Interior Windshield Post
- aa. Grille - Black Finish Bars w/o Surround Radiator Mounted

#### 14. CAB (H THRU R)

- a. Headliner Material - Headliner, Vinyl
- b. Hood Hatch - without Hood Hatch
- c. Hood Latch Finish - Hood Latch Finish, Black
- d. Horn - Air - Black Twin Trupet, Under Cab Mounted
- e. Horn - Electrical - 1 Single Electric Horn Single Tone
- f. INSTMNT Cluster Display - Co-Pilot DRVR DISP Enhanced 4.5" DIAG LCD DISP w/4 Button Stalk Control; DIAG DISP Basic
- g. Dashboard - Basic Dash-Board
- h. Interior Trim Levels - Purebred Slate Gray
- i. Keyed Alike Chassis - All Chassis Keyed at Random - 2 Keys
- j. Door Opening Options - Door Opening Option, Manual
- k. Mirrors - Convex Type CAB Doors - Bright Finish (LH & RH) 8.0" DIA
- l. Mirror - Convex Hood & Fender - w/o Convex Hood Mirrors
- m. Mirrors - Exterior - Bulldog-BR FIN
- n. Mirrors - Heated Timeout (CA)- without Heated Mirror Time-out
- o. Mirrors-Proximity - without Proximity Mirror
- p. Forward Overhead Storage - FRWRD OVRHD STG, 2 STG COMPMNT w/NET, 1 Radio SHLF CNTR
- q. Personalized Name Plate - without Personalized name Plate
- r. CAB Guard, Front - without CAB Guard
- s. Audio Accommodation - Radio Accommodation PKG Includes-Antenna, Power Supply, Two Speakers (No Radio)
- t. Antenna - Radio - Antenna, Radio, CAB MTD, Behind Door, LH, Short Rubber
- u. Antenna - CB Radio - without Antenna, CB Radio
- v. Power Leads - Power Lead, 5Way Type, Headliner MTD
- w. Communication Radio - without Communication Radio
- x. COM. Radio Prep Kit (CB)- CB Mounting, Overhead Comp, Mount Plate Removable
- y. Rear Cab Suspension - Rear Cab Suspension, Air
- a`. Auxiliary Rear Window - with Aux. Rear Window - Fixed
- aa. Reflector Kit - without Reflector Kit Option
- ab. Roof Hatch or Cooler - without Roof Hatch
- ac. Roof Marker Light - Roof Light, Non Specified Manufacturer, Curved Model
- ad. Rear Wall Storage Compartment - without Rear Wall Storage Compartment

#### 15. CAB (S THRU Z)

- a. Seat - Driver's - Air-Bostrom Talladega 915 (MID BACK)
- b. Seat - Passenger's - Omit Rider's Seat
- c. Seat Armrest - Without Armrest

- d. Seat Belt(s)- Lap & Shoulder (Driver's Seat Only)
- e. Seat Belt Reminder (CA)- without Seat Belt Reminder
- f. Seat Covering - All Vinyl, Cab Interior Dependent Color, Driver & Rider Seats
- g. Seat Support, Dust Cover - without Seat Support, Dust Cover
- h. Ignition Type - Ignition Type, Key
- i. Steering Wheel - 2 Spoke Urethane Grip, Charcoal Spokes, w/o Switches
- j. Sun Visor - Interior, Front - w/o Interior Sun Visor Front, Basic (No Mirror)
- k. Sun Visor - Exterior - w/o Exterior Sunvisor
  - l. Turn Signals - Self Cancelling Turn Signal
- m. Wash Reservoir Position - Washer Reservoir Back of Cab Mounted
- n. Window Controls - Roll-up LH&RH-Crank Operated
- o. Windshield Type - Splitted Windscreen
- p. Windshield Wipers - Two Speed Electric Motor w/Intermittent Feature
- q. Work Lights - Chassis Mounted - without work Light, Chassis Mounted

#### 16. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - w/o Provisions for Aero Aids

#### 17. WHEELS & TIRES

- a. Tires Brand/Type- Front - 11R22.5 H Bridgestone R283A ECOPIA (Total for QTY=2)
- b. Tire Speed Limit - Tire Speed Limit Basic
- c. Wheels - Front - 22.5x8.25 LVL One ALCOA ALUM DISC UNIMNT 10(10-HOLEHP PILOT)(Total for QTY=2)
- d. Wheel Finishing, Front - Wheel Finishing Front, Machined Buff
- e. Front Axle Tire & Wheel Quantity - Two Front Tires & Wheels
- f. Tires Brand/Type - Rear - 11R22.5 G Bridgestone M726EL (Drive Only)(Total for QTY=4)
- g. Wheels - REAR - 22.5 x 8.25 ALUM DISC LVL ONE 10-HP; 11.25 BC, 6.60" OUTSET, "SERVERE SC"; ALCOA #88565X(Total for QTY=4)
- h. Rear Wheel Rim Clamp - without Rear wheel Rim Clamp
  - i. Rear Disc Wheel - Polish - ALCOA all Wheels Finish, Machined Clean Buff
- j. Rear Axle Tire & Wheel Quantity - Four Rear Axle Tires & Wheels
- k. Wheels Studs (CA)- Wheel Studs Basic Length
  - l. Hub/Wheel Isolator Drive - without Hub/Wheel Isolator Drive
- m. Hub/Wheel Isolator Front - without Hub/Wheel Isolator Front
- n. Wheel Nut & Finish, Front - Wheel Nut & Finish Basic, Front
- o. Wheel Nut Finish, Rear (CA)- Wheel Nut Basic Finish, Rear
- p. Tire Inflation Valve - Tire Inflation Valve, Standard
- q. Spare Wheel - without Spare Wheel
- r. Spare Wheel Carrier, POS - without Spare Wheel Carrier
- s. Hydraulic Jack - w/o Hydraulic Jack

#### 18. PAINT

- a. Paint/Vinyl Striping - CAB Exterior - Single Color w/out Design
- b. Paint Color - Area A - Mack White 08282PP; P9188
- c. Paint Type - Solid Paint
- d. Paint Color - Area B - w/o Area B Paint Color
- e. Paint Color - Area C - w/o Area C Paint Color
- f. Paint - Cab Paint System - Poly Through Coat w/o Clear Coat
- g. Paint - Chassis Running Gear - Mack Black; P3036
- h. Paint Bumper - Paint Bumper Same Color as Chassis Running Gear
  - i. Paint: Fuel Tank - Paint Fuel Tank Same Color as Chassis Running Gear
  - j. Fuel Tank Paint Process Code - Fuel Tank Paint Process, Same as Chassis Running Gear
- k. Front Wheel Paint - without (Unpainted)
  - l. Drive Wheel Paint - without (Unpainted)
- m. Paint: Disc Wheels = Front - without Paint
- n. Paint:Disc Wheels-Rear - without Paint
- o. Paint: Demount. Rims-Front - without Paint
- p. Paint:Demount.Rims - Rear- without Paint
- q. Paint:Spoke Wheels - Front - w/o Optional Spoke Wheel Paint
- r. Paint:Spoke Wheels- Rear - w/o Optional Spoke Wheel Paint
- s. Paint:Hubs & Drums- Front - Same as Chassis Running Gear

t. Paint:Hubs & Drums - Rear - Same as Chassis Running Gear

19. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

a. Without Mack Rawhide Package

20. APPLICATION PACKAGES - MHD - AF CONFIGURATION PACKAGE

a. Without MHD Configuration Package

21. APPLICATION PACKAGES - SPECIAL SELLS PACKAGE

a. Without Special Sells Package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU 432 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #28**

#### **2017 Mack GU 432**

The Mack GU 432 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$73,879.61	\$73,879.61	\$73,879.61	\$73,879.61

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU 432			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$73,879.61	\$73,879.61	\$73,879.61	\$73,879.61

Order Code	Add Options	All Zones
	MP7 - 365HP	NA
	MP8 - 445HP	NA
	Mack T313 - 13 speed	NA
136AY6 <sup>1</sup>	Allison 3000 5spd	\$7,944.65 <sup>1</sup>
	Allison 4500 5spd	NA
288AC0 <sup>1</sup>	116 gallon single tank	\$381.50 <sup>1</sup>
	Dual 50 gallon tanks	NA
	Meritor - RPL25HD	NA
240AA7 <sup>1</sup>	Mack FXL 14,600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NA
	Meritor - 40,000 LB	NA
	Mack - 40,000 LB Multileaf	NA
271198 <sup>1</sup>	198" WB	\$105.00 <sup>1</sup>
271210 <sup>1</sup>	210" WB	\$105.00 <sup>1</sup>
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
	Mack Air Disc Brakes	NA
	Mack Air Disc Brakes	NA



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - GU433 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #29)</u></a>			
Transource, Inc.	2017 Mack GU433	★Appalachia	\$80,205.95
Transource, Inc.	2017 Mack GU433	★Dogwood	\$80,205.95
Transource, Inc.	2017 Mack GU433	★Cardinal	\$80,205.95
Transource, Inc.	2017 Mack GU433	★Longleaf Pine	\$80,205.95



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU433 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #29**

2017 Mack GU433

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE INFORMATION**

- a. Chassis (Base Model) - GU433 R (9L) - 6x4 Daycab
- b. Customer Fleet Size - Dealer fleet with less than 25 vehicles in own fleet of any vehicle brand
- c. Initial Registration Location - Any state exc. California or Hawaii (US14)
- d. Road Condition - Well maintained surfaced roads > 95% driving distance
- e. Vehicle Use and Body/trailer Type - Recycling Truck
- f. Gross Combination Weight - Truck only - no trailer towing provisions provided
- g. Topography - Grades 98% of driving distance max grade 8%
- h. Ambient Temp Upper Limit (GTA) - Amb temp hot, up to +40C, warmer allowed 25h/year
- i. Terrain Grade - On-Off highway, starting grades
- j. Loading Surface - Concrete loading and/or unloading surface
- k. Vehicle Vocation - Construction service

#### **2. ENGINE**

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - ISL-D 345/8.9L, Cummins 345hp 2100 RPM (governed) US'14 (1150 lb-ft)
- c. Engine Governor Type Min-Max

#### **3. EXHAUST/EMISSIONS**

- a. CARB 2008 Idle Regulation - Idle emission certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover, painted steel
- c. DPF Diesel Particulate Filter - DPF, horizontal RH side under cab, and behind step Cummins switchback
- d. Exhaust - No muffler, single (R/S) vertical exh cab mounted, lower venturi diffuser, turned end
- e. Exhaust Heat Shield Type - Exhaust heat shield type, basic
- f. Exhaust Stack Height - Exhaust stack 2.9 metre, height over ground (9'6")
- g. Exhaust System Material Finish - Standard exhaust system material finishing
- h. Def Tank - 25L/22" Dia semi tank left side frame mtd
- i. Def Tank Cover - W/O Def tank cover
- j. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. filter version 3
- k. Emission on Board Diag. Control - Emission OBD. display only, USA2016

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" single element Donaldson
- b. Air Intake Source - Air intake source, hood outside
- c. Bug Screen - black aluminum mounted behind grille
- d. Air Compressor - Meritor/Wabco 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA) - Standard fuel filter position



- f. Alternator - 12V130A Delco 24SI (130 AMP)
- g. Batteries - 2-12V Mack M/F 31 1000 CCA Threaded stud type
- h. Cooling Performance - Narrow radiator with length 4 (60 DM2), 41 DEG C ATB, cooling capacity
- i. Coolant Protection - Texaco extended life coolant #7998 w/nitrates (50/50 mix) to-34 deg
- j. Coolant Filter/Conditioner - with filter/conditioner
- k. Fan Drive - Kysor fan "on/off"
- l. Engine Brake - w/o Engine Brake
- m. Fuel, Water Separator - Davco 382 non-heated w/ vendor prim/mack sec fuel filter
- n. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- o. Battery Box Mounting - RH behind SCR - US10
- p. Battery Box Cover - Basic battery box cover
- q. Battery Disconnect Switch - W/O battery disconnect switch
- r. Emergency Start Studs - Without emergency start studs
- s. Hoses - Radiator/Heater - mack brand EPDM radiator and heater hoses
- t. Starter - 12V standard starter Delco 39MTHD
- u. Oil Pan - Oil pan steel
- v. Tether Dev. Package, Caps and Covers - Without tether device package for caps and covers
- w. Engine Block Heater - without engine block heater
- x. Engine Oil Pan Heater - Without engine oil pan heater
- y. Engine Starting Aid - With electric preheater
- a'. Breather Filter - Without breather filter
- aa. Engine Oil Drain Kit - Without engine oil drain kit
- ab. Battery Shock Pads - Without battery shock pads
- ac. Smart Idle Elevated Idle RPM Time - Increase 10 minute maximum time
- ad. Engine Brake Lighting (CA) - Brake lighting, basic

#### 5. CLUTCH/TRANSMISSION EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 7 spring, 2 plate 15.5" ceramic 4 paddles, manual adjust
- b. Driveline - Main - Meritor 17 MXL "xtended lube"
- c. Driveline - Interaxle - Meritor 18 MXL "xtended lube"
- d. Clutch Actuation System - Clutch actuation system, mechanical, cable
- e. Lubricants, Transmission - Synthetic oil in transmission, 50w
- f. Clutch Pedal Pad - Clutch pedal pad, rubber
- g. Transmission Oil Cooler - Without oil cooler
- h. Transmission Dust Proofing - Without transmission dust proofing
- i. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- j. Prop Shaft Interaxle Univ. Joint - prop shaft interaxle, univ joint half-round type
- k. Propeller Shaft Main, Universal Jnt. - Propeller shaft main, universal joint half-round type
- l. Hill Start Assist - Without hill start assist
- m. Bell Housing - Aluminum bell housing
- n. Clutch Brake - Clutch brake, one piece
- o. Clutch Lube Line - Without lubeline between release bearing and bell housing
- p. Retarder - Without retarder
- q. Transmission Torque Converter - W/O transmission torque converter
- r. Transmission Adaptation Ring - W/O transmission adaptation ring
- s. Gear Shift Lever - Gear Shifting, Basic
- t. Engine Start Condition - Without engine start condition
- u. Trans Shift Mode Points - W/o trans shift mode points
- v. Transmission Protection - Without transmission protection
- w. Econo Roll - Econo roll disable M-drive (required for all other transmissions)
- x. mDrive Mackcellerator - Without transmission kick-down mode

#### 6. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL 12 12,000 Lb - Mack 5400 KG (N/a with lift axles)
- b. Front Axle Spread - W/O
- c. Vehicle Prep - W/O vehicle prep, additional
- d. Additional Axles - Axles
- e. Springs - Front - 12,000 LB taperleaf 5400 kg (2 leaf spring)
- f. Brake, Front - Cast Iron brakedrum, front axle
- g. Front Axle Brakes - bendix ES\_165-06D 16.5 x 5 cast spider
- h. Front Axle Brake Dust Shield - Front brakes W/O dust shields

- i. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- j. Front Brake ADJ. MFG. - Front Brake Adjustment, Automatic Haldex
- k. Front Spring Bias - W/O (equal stiffness L/R)
- l. Brake Lining Material Front - Eaton EES-600
- m. Hub Material, Front - Basic material hub (steel/cast iron), front
- n. Hub Oil Seal, Front - Fag Schaeffler, front hub oil seal
- o. Spindle Nuts, Front - Basic (no option) spindle nuts, front
- p. Shock Absorber, Front - With shock absorber, front
- q. Steering - THP60 TRW power
- r. Lubricants, Front Axle - petroleum oil in front axle
- s. Front Brake Chamber Size - Front brake chamber 20sq inches (service)
- t. Brake Regulation - Brake regulation, stopping distance 94M (310ft)

#### 7. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - W/O option center support

#### 8. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 211"
- b. AF (Overhang) - 75"
- c. Frame Rails - Steel - 300MM x 90MM x 8MM -- (11.81" x 3.54" x 0.31")
- d. Frame Inner Liner - Without liner
- e. Frame Outer Liner (CA) - Without frame outer liner
- f. Front Frame Ext. (bolted on) - 155mm, front frame extension, bolted on (6")
- g. Front Frame Length - Front frame length - 725MM
- h. Crossmembers - Boc and intermediate (s) = steel HD back to back channel
- i. Frame Rail Free Space - W/O frame rail clearance
- j. Fuel Tank Polish Option - W/O fuel tank polish option
- k. Rear Crossmember Options - Rear crossmember, straight frame end (basic)
- l. Rear Frame Treatment - Straight cut treatment, rear frame
- m. Mudflap Hangers, Rear Axle - Without mudflap hangers, rear axle
- n. Mudflap, Front Axle - Without mudflap, front axle
- o. Front Bumper - Steel painted extended
- p. Guard, Under Engine BAYT - Without guard
- q. Aux. Crossm. in Rear Overhang - W/O
- r. Towing Device, Front - 2 clevis towing device, front
- s. Towing Coupling - Without towing coupling
- t. Towing Device, Rear - Without towing devices, rear
- u. Fuel Tank, LH - 66 gallon steel (250 liters) sleeved, d-shape 22" (560 mm)
- v. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on LH tank
- w. Fuel Tank, RH - Omit RH fuel tank
- x. Toolbox Chassis - W/O toolbox chassis
- y. Filler Neck Screens - W/O filler neck screen w/o sump
- a'. Fuel Line Options Liquid - Fuel line option, single
- aa. Fuel Tank Cap - Non-lockable fuel tank cap
- ab. Steps (bright) Fuel Tank, W/O bright finish steps and straps package
- ac. Fuel Fill System, Liquid - Fuel fill system, basic
- ad. Quarter Fenders - W/O rear axle fenders
- ae. Isolate Tank from Fuel System - W/O isolated tank
- af. Crossmember, Bogie Type - W/O
- ag. Intermed XMBR Exclusion Zone - W/O

#### 9. AIR/BRAKE

- a. Air Dryer, Manufacturer - Wabco Air Dr., 1200 Up W/ T Cut Off Valve, W Coalesc oil filter
- b. Airtank Drain Valve - petcock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Air Dryer Position (CA) - Air dryer position standard
- e. Park Brake Alarm (CA) - Without park brake alarm
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Relocate Air Reservoirs - W/O relocated air reservoirs
- h. Auxiliary Airtank - W/O aux. airtank

- i. Trailer Access Package - W/O rear deck
- j. 5th Wheel Offset - W/O 5th wheel offset

#### 10. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis wiring harness casing, basic
- b. Auxiliary Pneumatic Outlet Cab - W/O auxiliary pneumatic outlet, in cab
- c. Auxiliary Spotlight (CA) - Without auxiliary spotlight
- d. Parking Brake Lighting - W/O parking brake lighting
- e. Dash Panel Box - Dash panel clip and cell phone holder
- f. Back-Up Alarm - W/O back up alarm
- g. Aux. Fog Lamp - W/O fog lamp
- h. Auxiliary Lamps - W/O auxiliary lamps
  - i. Tail Lamps - Tail lamp, multipurpose
  - j. Dash Mounted Switches - W/O aux. switch wiring
- k. Marker/Directional Signal - W/O marker/directional signal option
  - l. Daytime Running Lights - DRL when engine running, park brake off
- m. Warning Lamp - W/O warning lamp

#### 11. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA) - W/O fifth wheel angles
- b. Fifth Wheel Angle Thickness - W/O fifth wheel angle thickness
- c. Trailer Glad Hand Couplings - W/O brake connection
- d. Trailer Brake Valve - W/O trailer brake valve
- e. Trailer Connection Position - W/O trailer connection position
- f. Trailer Electrical Recept. - W/O trailer electrical recept
- g. Trailer Hookup Light - W/O cab mtd trailer hookup lamp

#### 12. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - W/O hydraulic pump
- b. Front Body Attachment - W/O front body attachment
- c. Frame Modifications - No frame modifications provided
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection Additional (CA) - W/O transp. rust protection
- f. Aux. Transmission Cooler (CA) - W/O auxiliary transmission cooler
- g. Rear Engine PTO - W/O rear engine PTO
- h. PTO Trans Neutral Control Check - W/O PTO transmission neutral control check
  - i. Power Take Off Control - W/O power take off control
  - j. Crankshaft Adapter - W/O front end PTO drive
- k. Bulk Unloading Adaptation - W/O bulk unloading adaptation
  - l. Body Builder Interface - Body link3 W cab pass thru
- m. Unique Decals Machine DirectIV (CA) - W/O decals
- n. PTO Trans Side, Free Space - W/O PTO transmission side, free space
- o. PTO, Rear Mounted - W/O Rear MTD PTO - (non-M-drive)
- p. Transport Adaptation - Uniform load no adaptation
- q. Collision Warning System - W/O
- r. ACC Time GAP Configuration Setting - W/O

#### 13. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air intake grille, gray
- c. Air Restriction Indicator - W/O air restriction indicator
- d. Antenna, Satellite - W/O satellite antenna
- e. Ashtray
- f. Audio Shutoff - W/O automatic audio shutoff
- g. Audio Speaker Location - Speaker location, behind doors, middle high side panel
- h. Bug Deflector, Windscreen - W/O bug deflector
  - i. Cab Aux. Fan - W/O cab aux. fan
  - j. Cab Instep Version - Cab step version basic
- k. Cab Glass - Tinted windshield, side windows, and rear window
  - l. Cab Peep Window - Peep window on right side non stg whl pos depend

- m. Cigar Lighter
- n. Dash Indicator, Lamp Body Out of POS - W/O dash indicator lamp
- o. Dome Lamp, Interior - Dome lamp, interior, 2 each side, switches included
- p. Door Storage Compartment - W/O door storage compartment
- q. Front Wheel Opening - Basic front wheel opening
- r. Fire Extinguisher - W/O fire extinguisher
- s. Floor Covering - Polyurethane floor mat
- t. Gauge, Ambient Temperature - W/O gauge, ambient temperature
- u. Time Counter (CA) - W/O time counter
- v. Gauge, Odometer - No hubodometer provided
- w. Gauge, Oil Temp., Rear Axle - W/O axle oil temp. gauge
- x. Gauges, Packages - Std gauge package plus trans oil temp and exhaust pyrometer
- y. Gauges, Unit of Measure - U.S. Units (predominant)
- a`. Grab Handles - BF exterior cab grab handles, BL grab handle RH interior windshield post
- aa. Grille - Black finish bars w/o surround radiator mounted

#### 14. CAB (H THRU R)

- a. Headliner Material - Headliner, vinyl
- b. Hood Hatch - W/O hood hatch
- c. Hood Latch Finish - Hood latch finish, black
- d. Horn, Air - Black twin trumpet under cab mounted
- e. Horn, Electrical - 1 single electric horn single tone
- f. Instrument Cluster Display - Co-pilot DRVR disp enhanved 4.5" diag. LCD display w/4 button stalk control, diag. disp. basic
- g. Dashboard - Basic dashboard
- h. Interior Trim Levels - Purebred slate gray
- i. Keyed Alike Chassis - All chassis keyed at random - 2 keys
- j. Door Opening Options - Door opening option, manual
- k. Mirrors, Convex Type Cab Doors - Bright finish (LH and RH) 8.0" dia.
  - l. Mirror, Convex Hood and Fender - W/O convex hood mirrors
- m. Mirrors, Exterior - Bulldog - BR Fin
- n. Mirrors Heated Timeout (CA) - W/O heated mirror timeout
- o. Mirrors, Proximity - W/O proximity mirror
- p. Forward Overhead Storage - Forward overhead storage, 2 STG comprmnt. w/net, 1 radio shelf center
- q. Personalized Name Plate - W/O personalized name plate
- r. Cab Guard, Front - W/O cab guard
- s. Audio Accommodation - Radio accommodation package includes antenna, power supply, two speakers (no radio)
- t. Antenna, Radio - Antenna, radio, cab mtd, behind door, lh short rubber
- u. Antenna CB Radio, W/O antenna, CB radio
- v. Power Leads - Power Lead, 5 way type, headliner MTD
- w. Communication Radio - W/O communication radio
- x. Com. Radio Prep Kit - CB mounting, overhead comp., mount plate, removable
- y. Rear Cab Suspension- Rear cab suspension, air
- a`. Auxiliary Rear Window - With auxiliary rear window, fixed
- aa. Reflector Kit - W/O reflector kit option
- ab. Roof Hatch or Cooler - W/O roof hatch
- ac. Roof Marker Light - Roof light, non specified manufacturer, curved model
- ad. Rear Wall Storage Compartment - Rear wall storage compartment, fixed
- ae. Permit Plate - W/O (for legal perm adhesives)

#### 15. CAB (S THRU Z)

- a. Seat, Drivers - Air Bostrom Talladega 915 (mid black)
- b. Seat, Passenger - Omit
- c. Seat Armrest - W/O
- d. Seat Belt(s) - Lap and Shoulder driver seat only
- e. Seat Belt Reminder (CA) - W/O seat belt reminder
- f. Seat Covering - All vinyl, cab interior dependent color, driver seat only
- g. Seat Support, Dust Cover - W/O seat support, dust cover
- h. Ignition Type - Ignition type, key
  - i. Steering Wheel - 2 spoke urethane grip, charcoal spokes, W/O switches
- j. Sun Visor, Interior, Front - Interior sunvisor front, basic (no mirror)

- k. Sun Visor, Exterior - W/O exterior sun visor
- l. Turn Signals - Self cancelling turn signal
- m. Washing Reservoir Position - Washer reservoir back of cab mounted
- n. Window Controls - Roll-Up LH and RH crank operated
- o. Windshield Type - Split windscreen
- p. Windshield Wipers - Two speed electric motor w/intermittent feature
- q. Work Lights - Chassis Mounted - W/O work light, chassis mounted

#### 16. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - W/O provisions for aero aids

#### 17. WHEELS AND TIRES

- a. Tires Brand/Type Front - 11R 22.5 G Bridgestone R283A Ecopia (total for Qty = 2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels, Front - 22.5 x 8.25 lvl one alcoa alum disc unimnt 10 (10 hole hub pilot) (total for qty=2)
- d. Wheel Finishing, Front - machined buff
- e. Front Axle Tire and Wheel Quantity - Two front tires and wheels
- f. Tires Brand/Type, Rear - 11R 22.5 G Bridgestone
- g. Wheels, Rear - 22.5 x 8.25 lvl one alcoa alu disc unimnt 10 (10 hole hub pilot) (total for qty=8)
- h. Rear Wheel Rim Clamp - W/O rear wheel rim clamp
- i. Rear Disc Wheel: Polish - Alcoa all wheels finish, machined clean buff
- j. Rear Axle Tire and Wheel Quantity - Eight rear axle tires and wheels
- k. Wheel Studs (CA) - Wheel studs basic length
- l. Hub/Wheel Isolator, Front - W/O hub/wheel isolator, front
- m. Hub/Wheel Isolator, Drive - W/O hub/wheel isolator, drive
- n. Wheel Nut and Finish Front - Wheel nut and finish basic, front
- o. Wheel Nut Finish, Rear (CA) - Wheel nut basic finish , rear
- p. Tire Inflation Valve - Tire Inflation valve, standard
- q. Spare Wheel - W/O spare wheel
- r. Spare Wheel Carrier, POS - W/O spare wheel carrier
- s. Hydraulic Jack - W/O hydraulic jack

#### 18. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single color without design
- b. Paint Color, Area A - Mack white 08282PP; P9188
- c. Paint Type - Solid paint
- d. Paint Color Area B - W/O area b paint color
- e. Paint Color Area C - W/O area c paint color
- f. Paint, Cab Paint System - Poly through coat W/O clear coat
- g. Paint, Chassis Running Gear - Mack Black P3036
- h. Paint, Bumper - Paint bumper same color as chassis running gear
- i. Paint, Fuel Tank - Paint fuel tank same color as chassis running gear
- j. Fuel Tank Paint Process Code - Fuel tank paint process, same as chassis running gear
- k. Front Wheel Paint - W/O
- l. Drive Wheel Paint - W/O
- m. Paint: Disc Wheels, Front - W/O paint
- n. Paint: Disc Wheels, Rear - W/O paint
- o. Paint: Demount Rims, Front - W/O paint
- p. Paint: Demount Rims, Rear - W/O paint
- q. Paint: Spoke Wheels, Front - W/O optional spoke wheel paint
- r. Paint: Spoke Wheels, Rear - W/O optional spoke wheel paint
- s. Paint: Hubs and Drums, Front - Same as chassis running gear
- t. Paint: Hubs and Drums, Rear - Same as chassis running gear

#### 19. REAR AXLE EQUIPMENT

- a. Rear Axles - MT 40 14x4D 40,000 lb - Meritor hypoid (low entry)
- b. Rear Axle Casing Width - Rear axle casing width, std
- c. Lube Pump, Rear Axle - W/O
- d. Carrier, Rear Axle - Vendor Carrier
- e. Rear Axle Ratio - Ratio 4.33, rear axle

- f. Rear Suspension, Tandem - AL 402 - Mack air susp for on/off highway w/add'l lift axles
- g. Springs, Anti-Sway - W/O
- h. Rear Susp. Beam Bushings - W/O
- i. Bogie Spread, Rear - Bogie spread, 1,320mm (52.0")
- j. Suspension Leveling Device - Electrical regulation leveling device
- k. Air Suspension Dump Warning - Air suspension dump, warning ind and buzzer
- l. Rear Shock Absorber - W/O, Rear
- m. Transverse Torque Rods, R Susp. - Rear susp transverse torque rods, all drive axles
- n. Brakes, Rear - Bendix ES 165-07D 16.5x7 cast spider
- o. Brake Drums/Rotors, Rear - Cast Iron Brake Drums
- p. Rear Brake ADJ. Manufacture - Rear brake adjustment, automatic Haldex
- q. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- r. Drive Axle Brake Dust Shield - Rear drive brakes W/O dustshields
- s. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- t. Hub Material, Drive - iron preset hub, drive w/ integrated spindle nut
- u. Hub Oil Seal, Drive - Premium hub oil seal, drive
- v. Power Divider Lockout - Power divider lockout, w/ buzzer and light
- w. Lubricants, Rear Axle - Petroleum oil in axle, rear
- x. Rear Spring Insulator Mat'l - W/O
- y. Spring Brake Chambers, Vendor - MGM model TR-T; tamper resistant brake chambers
- a'. Traction Differential - W/O intr-whl/differential options
- aa. Spindle Nuts, Main Axle - Spindle nuts, main axle, integrated
- ab. ABS Sensor and Modulator - ABS 4 sensors and 4 modulators (front and rear axles)
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch) ABS
- ad. Brake Valve Version - Brake valve version, USA Bendix, where possible
- ae. Traction Control Disable - W/O

20. CAB SLEEPER BOX

- a. Side Window Lower - W/O

21. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack rawhide package

22. APPLICATION PACKAGES MHD-AF CONFIGURATION PACKAGE

- a. W/O

23. APPLICATION PACKAGES - SPECIAL SALES PACKAGE

- a. Without Special Sales Package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU433 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #29**

#### **2017 Mack GU433**

The Mack GU433 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$80,205.95	\$80,205.95	\$80,205.95	\$80,205.95

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU433			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$80,205.95	\$80,205.95	\$80,205.95	\$80,205.95

Order Code	Add Options	All Zones
	MP7 - 365HP	NA
	MP8 - 445HP	NA
	Mack T313 - 13 speed	NA
136AY6 <sup>1</sup>	Allison 3000 5spd	\$9,235.86 <sup>1</sup>
	Allison 4500 5spd	NA
288AC0 <sup>1</sup>	116 gallon single tank	\$381.50 <sup>1</sup>
	Dual 50 gallon tanks	NA
	Meritor - RPL25HD	NA
240AA7 <sup>1</sup>	Mack FXL 14,600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NC
268AD0 <sup>1</sup>	Meritor - 40,000 LB	Incl. <sup>1</sup>
	Mack - 40,000 LB Multileaf	NA
271198 <sup>1</sup>	198" WB	\$105.00 <sup>1</sup>
271210 <sup>1</sup>	210" WB	\$105.00 <sup>1</sup>
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
	Mack Air Disc Brakes	NA
	Mack Air Disc Brakes	NA





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK GU532 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #30)</u></a>			
Transource, Inc.	2017 Mack GU532	★Appalachia	\$73,458.48
Transource, Inc.	2017 Mack GU532	★Dogwood	\$73,458.48
Transource, Inc.	2017 Mack GU532	★Cardinal	\$73,458.48
Transource, Inc.	2017 Mack GU532	★Longleaf Pine	\$73,458.48



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK GU532 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #30**

2017 Mack GU532

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE INFORMATION**

- a. Chassis (Base Model) - GU532 R (9L) - 4x2 Daycab
- b. Gross Combination Weight - Truck only - no trailer towing provisions provided
- c. Terrain Grade - on-Off highway, starting grades < 18%

#### **2. ENGINE**

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - ISL-D 345/8.9L, Cummins 345hp 2100 RPM (governed) US'14 (1150 lb-ft)
- c. Engine Governor Type Min-Max

#### **3. TRANSMISSION**

- a. Transmission - FRO 14210C 10 SP - FULLER
- b. Without transmission electronics

#### **4. EXHAUST/EMISSIONS**

- a. CARB 2008 Idle Regulation - Idle emission certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover, painted steel
- c. DPF Diesel Particulate Filter - Horizontal RH side under cab and behind step Cummins switchback
- d. Exhaust - No muffler, single (R/S) vertical EXH cab mounted, lower venturi diffuser, turned end
- e. Exhaust Heat Shield Type - Exhaust heat shield type, basic
- f. Exhaust Stack Height - Exhaust stack 2.9 metre, height over ground (9'6")
- g. Exhaust System Material Finish - Standard exhaust system material finishing
- h. Def Tank - 25L/22" Dia semi tank left side frame mtd
- i. Def Tank Cover - W/O def tank cover
- j. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. filter version 3
- k. Emission on Board Diag. Control - Emission OBD. display only, USA2016

#### **5. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" single element Donaldson
- b. Air Intake Source - Air intake source, hood outside
- c. Bug Screen - black aluminum mounted behind grille
- d. Air Compressor - Meritor/Wabco 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA) - Standard fuel filter position
- f. Alternator - 12V130A Delco 24SI (130 AMP)
- g. Batteries - 2-12V Mack M/F 31 1000 CCA Threaded stud type
- h. Cooling Performance - Narrow radiator with length 4 (60 DM2), 41 DEG C ATB, cooling capacity
- i. Coolant Protection - Texaco extended life coolant #7998 w/nitrates (50/50 mix) to -34 degrees

- j. Coolant Filter/Conditioner - with filter/conditioner
- k. Fan Drive - Kysor fan off and on
- l. Engine Brake - w/o Engine Brake
- m. Fuel - Water Separator - Davco 382 non-heated with vendor prim/mack sec fuel filter
- n. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- o. Battery Box Mounting - RH behind SCR - US10
- p. Battery Box Cover - Basic battery box cover
- q. Battery Disconnect Switch - W/O battery disconnect switch
- r. Emergency Start Studs - Without emergency start studs
- s. Hoses - Radiator/Heater - mack brand EPDM radiator and heater hoses
- t. Starter - 12V standard starter Delco 39MTHD
- u. Oil Pan - Oil pan steel
- v. Tether Dev. Package, Caps and Covers - Without tether device package for caps and covers
- w. Engine Block Heater - without engine block heater
- x. Engine Oil Pan Heater - Without engine oil pan heater
- y. Engine Starting Aid - with electric pre-heater
- a`. Breather Filter - Without breather filter
- aa. Engine Oil Drain Kit - Without engine oil drain kit
- ab. Battery Shock Pads - Without battery shock pads
- ac. Smart Idle Elevated Idle RPM Time - Increase 10 minute maximum time

## 6. CLUTCH/TRANSMISSION EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 7 spring, 2 platye 15.5" ceramic 4 paddles, manual adjust
- b. Driveline - Main - meritor 18 MXL "Xtended Lube"
- c. Clutch Actuation System - Clutch actuation system, mechanical, cable
- d. Lubricants, Transmission - Synthetic oil in transmission, 50W
- e. Clutch Pedal Pad - Clutch pedal pad, rubber
- f. Transmission Oil Cooler - Without oil cooler
- g. Transmission Dust Proofing - Without transmission dust proofing
- h. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- i. Propeller Shaft Main, Universal Jnt. - Propeller shaft main, universal joint half-round type
- j. Hill Start Assist - Without hill start assist
- k. Bell Housing - Aluminum bell housing
- l. Clutch Brake - Clutch brake, one piece
- m. Clutch Lube Line - Without lubeline between release bearing and bell housing
- n. Retarder - Without retarder
- o. Transmission Torque Converter - W/O transmission torque converter
- p. Transmission Adaptation Ring - W/O transmission adaptation ring
- q. Gear Shift Lever - Gear Shifting, Basic
- r. Engine Start Condition - Without engine start condition
- s. Trans Shift Mode Points - W/o trans shift mode points
- t. Transmission Protection - Without transmission protection
- u. Econo Roll - Econo roll disable M-drive (required for all other transmissions)
- v. mDrive Mackcellerator - Without transmission kick-down mode

## 7. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL 12 12,000 Lb - Mack 5400 KG (N/a with lift axles)
- b. Springs - Front - 12,000 Lb taperleaf 5400 kg (2-leaf spring)
- c. Front Axle Brakes - Meritor "S" Cam 16.5 x 5" Q Plus brakes
- d. Brake, Front - Cast iron brakedrum, front axle
- e. Front Axle Brake Dust Shield - Front brakes without dust shields
- f. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- g. Front Brake ADJ. Manufacture - Front brake adjustment, automatic Haldex
- h. Front Spring Bias - Without front spring bias (equal stiffness L/R)
- i. Brake Lining Material Front - Brake lining material, front, fed mogul abex 931-162/R301
- j. Hub Material, Front - Aluminum hub, front
- k. Hub Oil Seal, Front - FAG Schaeffler, front hub oil seal
- l. Spindle Nuts, Front - Basic (no option) spindle nuts, front
- m. Shock Absorber, Front - With shock absorber, front
- n. Steering - TAS-66 TRW\_Power (integral)
- o. Lubricants, Front Axle - Petroleum oil in front axle

- p. Front Brake Chamber Size - Front brake chamber 20sq inches (service)
- q. Brake Regulation - Brake regulation, stopping distance 94M (310ft)

#### 8. REAR AXLE EQUIPMENT

- a. Rear Axle Single - RS23160 23000 lb - Meritor 10400 kg max gcw 100,000lb malleable
- b. Rear Axle Casing Width - Rear axle casing width, standard
- c. Lube Pump, Rear Axle - Without lube pump, rear axle
- d. Carrier - Rear Axle - Vendor carrier
- e. Rear Axle Ratio - 4.30 rear axle ratio
- f. Rear Suspension - Single - 23000 lb multileaf 10400kg no anti-sway
- g. Springs - Anti-Sway - W/O anti-sway
- h. Suspension Leveling Device - W/O Susp. leveling device
- i. Air Suspension Dump Warning - W/O air suspension dump warning
- j. Rear Shock Absorber - W/O shock absorber, rear
- k. Transverse Torque Rods, R Susp. - Without rear suspension transverse torque rod
- l. Brakes, Rear - Meritor - CAM 16.5x7 Q Plus
- m. Brake Drums/Rotors, Rear - Cast iron brake drums
- n. Rear Brake ADJ Manufacture - Rear brake adjustment, automatic haldex
- o. Rear Brake Chamber Size - Rear brake chamber 30/30 sq. inches (service/emergency)
- p. Drive Axle Brake Dust Shield - Rear drive brakes without dustshields
- q. Brake Lining Material Drive - iron preset hub, drive, w/ integrated spindle nut
- r. Hub Material, Drive - Aluminum preset hub, drive with integrated spindle nut
- s. Hub Oil Seal, Drive - Premium hub oil seal, drive
- t. Power Divider Lockout - W/O power divider
- u. Lubricants, Rear Axle - Petroleum oil in rear axle
- v. Spring Brake Chambers, Vendor - MGM model TR-T; tamper-resistant brake chambers
- w. Traction Differential - W/O intr-WHL/differential options
- x. Spindle Nuts, Main Axle - Spindle nuts, main axle, integrated
- y. ABS Sensor and Modulator - ABS 4 sensors and 4 modulators (front and rear axles)
- aa. Anti-Lock Brake System - Bendix KB (Eaton/Bosch), ABS
- ab. Brake Valve Version - Brake valve version, USA-Bendix, where possible
- ab. Traction Control Disable - W/O traction control disable

#### 9. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - W/O option center support

#### 10. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 193"
- b. AF (Overhang) - 98"
- c. Frame Rails - Steel - 300MM x 90MM x 8MM -- (11.81" x 3.54" x 0.31")
- d. Frame Inner Liner - Without liner
- e. Frame Outer Liner (CA) - Without frame outer liner
- f. Front Frame Ext. (bolted on) - 155mm, front frame extension, bolted on (6")
- g. Front Frame Length - Front frame length - 1285MM
- h. Crossmembers - Boc and intermediate (s) = steel HD back to back channel
- i. Frame Rail Free Space - W/O frame rail clearance
- j. Fuel Tank Polish Option - W/O fuel tank polish option
- k. Rear Crossmember Options - Rear crossmember, straight frame end (basic)
- l. Rear Frame Treatment - Straight cut treatment, rear frame
- m. Mudflap Hangers, Rear Axle - Without mudflap hangers, rear axle
- n. Mudflap, Front Axle - Without mudflap, front axle
- o. Front Bumper - Steel painted extended
- p. Guard, Under Engine BAYT - Without guard
- q. Aux. Crossm. in Rear Overhang - Without auxilliary crossmember in rear overhang
- r. Towing Device, Front - 2 Clevis towing device, front
- s. Towing Coupling - Without towing coupling
- t. Towing Device, Rear - Without towing devices, rear
- u. Fuel Tank, LH - 66 gallon steel (250 liters) sleeved, d shape, 22" (560 mm)
- v. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on LH tank
- w. Fuel Tank, RH - Omit RH fuel tank

- x. Toolbox Chassis - W/O toolbox chassis
- y. Filler Neck Screens - W/O filler neck screen w/o sump
- a. Fuel Line Options Liquid - Fuel line option, single
- aa. Fuel Tank Cap - Non-lockable fuel tank cap
- ab. Steps (bright) Fuel Tank, W/O bright finish steps and straps package
- ac. Fuel Fill System, Liquid - Fuel fill system, basic
- ad. Quarter Fenders - W/O rear axle fenders
- ae. Isolate Tank from Fuel System - W/O isolated tank

#### 11. AIR/BRAKE

- a. Air Dryer, Manufacturer - Wabco Air Dr., 1200 Up W/ T Cut Off Valve, W Coalesc oil filter
- b. Airtank Drain Valve - petcock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Air Dryer Position (CA) - Air dryer position standard
- e. Park Brake Alarm (CA) - Without park brake alarm
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Relocate Air Reservoirs - W/O relocated air reservoirs
- h. Auxiliary Airtank - W/O aux. airtank

#### 12. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis wiring harness casing, basic
- b. Auxiliary Pneumatic Outlet Cab - W/O auxiliary pneumatic outlet, in cab
- c. Auxiliary Spotlight (CA) - Without auxiliary spotlight
- d. Parking Brake Lighting - W/O parking brake lighting
- e. Dash Panel Box - Dash panel clip and cell phone holder
- f. Back-Up Alarm - W/O back up alarm
- g. Aux. Fog Lamp - W/O fog lamp
- h. Auxiliary Lamps - W/O auxiliary lamps
- i. Tail Lamps - Tail lamp, multipurpose
- j. Dash Mounted Switches - W/O aux. switch wiring
- k. Marker/Directional Signal - W/O marker/directional signal option
- l. Daytime Running Lights - DRL when engine running, park brake off
- m. Warning Lamp - W/O warning lamp

#### 13. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA) - W/O fifth wheel angles
- b. Fifth Wheel Angle Thickness - W/O fifth wheel angle thickness
- c. Trailer Glad Hand Couplings - W/O brake connection
- d. Trailer Brake Valve - W/O trailer brake valve
- e. Trailer Connection Position - W/O trailer connection position
- f. Electrical Recept, Aux. Power - W/O electrical recept. aux power
- g. Trailer Electrical Recept. - W/O trailer electrical recept
- h. Trailer Hookup Light - W/O cab mtd trailer hookup lamp

#### 14. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - W/O hydraulic pump
- b. Front Body Attachment - W/O front body attachment
- c. Frame Modifications - No frame modifications provided
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection Additional (CA) - W/O transp. rust protection
- f. Aux. Transmission Cooler (CA) - W/O auxiliary transmission cooler
- g. Rear Engine PTO - W/O rear engine PTO
- h. PTO Trans Neutral Control Check - W/O PTO transmission neutral control check
- i. Power Take Off Control - W/O power take off control
- j. Crankshaft Adapter - W/O front end PTO drive
- k. Bulk Unloading Adaptation - W/O bulk unloading adaptation
- l. Body Builder Interface - Body link3 W cab pass thru
- m. Unique Decals Machine DirectIV (CA) - W/O decals
- n. PTO Trans Side, Free Space - W/O PTO transmission side, free space
- o. PTO, Rear Mounted - W/O Rear MTD PTO - (non-M-drive)

## 15. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air intake grille, gray
- c. Air Restriction Indicator - W/O air restriction indicator
- d. Antenna, Satellite - W/O satellite antenna
- e. Ashtray
- f. Audio Shutoff - W/O automatic audio shutoff
- g. Audio Speaker Location - Speaker location, behind doors, middle high side panel
- h. Bug Deflector, Windscreen - W/O bug deflector
- i. Cab Aux. Fan - W/O cab aux. fan
- j. Cab Instep Version - Cab step version basic
- k. Cab Glass - Tinted windshield, side windows, and rear window
- l. Cab Peep Window - Peep window on right side non stg whl pos. depend
- m. Cigar Lighter
- n. Dash Indicator, Lamp Body Out of POS - W/O dash indicator lamp
- o. Dome Lamp, Interior - Dome lamp, interior, 2 each side, switches included
- p. Door Storage Compartment - W/O door storage compartment
- q. Front Wheel Opening - Basic front wheel opening
- r. Fire Extinguisher - W/O fire extinguisher
- s. Floor Covering - Polyurethane floor mat
- t. Gauge, Ambient Temperature - W/O gauge, ambient temperature
- u. Time Counter (CA) - W/O time counter
- v. Gauge, Odometer - No hubodometer provided
- w. Gauge, Oil Temp., Rear Axle - W/O axle oil temp. gauge
- x. Gauges, Packages - Standard gauge package, plus trans. oil temp and exhaust pyrometer
- y. Gauges, Unit of Measure - U.S. Units (predominant)
- a`. Grab Handles - BF exterior cab grab handles, BL grab handle RH interior windshield post
- aa. Grille - Black finish bard without surround radiator mounted

## 16. CAB (H THRU R)

- a. Headliner Material - Headliner, vinyl
- b. Hood Hatch - W/O hood hatch
- c. Hood Latch Finish - Hood latch finish, black
- d. Horn, Air - Black twin trumpet, under cab mounted
- e. Horn, Electrical - 1 single electric horn single tone
- f. Instrument Cluster Display - Co-pilot DRVR disp enhanved 4.5" diag. LCD display w/4 button stalk control, diag. disp. basic
- g. Dashboard - Basic dashboard
- h. Interior Trim Levels - Purebred slate gray
- i. Keyed Alike Chassis - All chassis keyed at random - 2 keys
- j. Door Opening Options - Door opening option, manual
- k. Mirrors, Convex Type Cab Doors - Bright finish (LH and RH) 8.0" dia.
- l. Mirror, Convex Hood and Fender - W/O convex hood mirrors
- m. Mirrors, Exterior - Bulldog - BR Fin
- n. Mirrors Heated Timeout (CA) - W/O heated mirror timeout
- o. Mirrors, Proximity - W/O proximity mirror
- p. Forward Overhead Storage - Forward overhead storage, 2 STG compmnt. w/net, 1 radio shelf center
- q. Personalized Name Plate - W/O personalized name plate
- r. Cab Guard, Front - W/O cab guard
- s. Audio Accommodation - Radio accommodation package includes antenna, power supply, two speakers (no radio)
- t. Antenna, Radio - Antenna, radio, cab mtd, behind door, lh, short rubber
- u. Antenna CB Radio, W/O antenna, CB radio
- v. Power Leads - Power Lead, 5 way type, headliner MTD
- w. Communication Radio - W/O communication radio
- x. Com. Radio Prep Kit - CB mounting, overhead comp., mount plate, removable
- y. Rear Cab Suspension- Rear cab suspension, air
- a`. Auxiliary Rear Window - With auxiliary rear window, fixed
- aa. Reflector Kit - W/O reflector kit option
- ab. Roof Hatch or Cooler - W/O roof hatch
- ac. Roof Marker Light - Roof light, non specified manufacturer, curved model

ad. Rear Wall Storage Compartment - Rear wall storage compartment, fixed

17. CAB (S THRU Z)

- a. Seat, Drivers - Air Bostrom Talladega 915 (mid black)
- b. Seat, Passenger - omit rider's seat
- c. Seat Armrest - W/O armrest
- d. Seat Belt(s) - Lap and Shoulder driver seat only
- e. Seat Belt Reminder (CA) - W/O seat belt reminder
- f. Seat Covering - All vinyl, cab interior dependent color, driver seat only
- g. Seat Support, Dust Cover - W/O seat support, dust cover
- h. Ignition Type - Ignition type, key
- i. Steering Wheel - 2 spoke urethane grip, charcoal spokes, W/O switches
- j. Sun Visor, Interior, Front - Internal sun visor front, basic (no mirror)
- k. Sun Visor, Exterior - W/O exterior sun visor
- l. Turn Signals - Self cancelling turn signal
- m. Washing Reservoir Position - Washer reservoir back of cab mounted
- n. Window Controls - Roll-Up LH and RH crank operated
- o. Windshield Type - Split windscreen
- p. Windshield Wipers - Two speed electric motor w/intermittent feature
- q. Work Lights - Chassis Mounted - W/O work light, chassis mounted

18. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - W/O provisions for aero aids

19. WHEELS AND TIRES

- a. Tires Brand/Type Front - 11R 22.5 G Bridgestone R283A Ecopia (total for Qty = 2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels, Front - 22.5 x 8.25 alum disc ultra one 10-hp; 11.25" bc, 5.85" inset alcoa # ultra (total for qty.=2)
- d. Wheel Finishing, Front - Wheel finishing front, machined buff
- e. Front Axle Tire and Wheel Quantity - Two front tires and wheels
- f. Tires Brand/Type, Rear - 11R22.5 G Bridgstone M726EL (drive only) (total for qty = 4)
- g. Wheels, Rear - 22.5 x 8.25 LVL one alcoa alu disc unimnt 10 (10hole hub pilot) (total for qty=4)
- h. Rear Wheel Rim Clamp - W/O rear wheel rim clamp
- i. Rear Disc Wheel: Polish - Alcoa all wheels finish, machine clean buff
- j. Rear Axle Tire and Wheel Quantity - Four rear axle tires and wheels
- k. Wheel Studs (CA) - Wheel studs basic length
- l. Hub/Wheel Isolator, Front - W/O hub/wheel isolator, front
- m. Hub/Wheel Isolator, Drive - W/O hub/wheel isolator, drive
- n. Wheel Nut and Finish Front - Wheel nut and finish basic, front
- o. Wheel Nut Finish, Rear (CA) - Wheel nut basic finish , rear
- p. Tire Inflation Valve - Tire Inflation valve, standard
- q. Spare Wheel - W/O spare wheel
- r. Spare Wheel Carrier, POS - W/O spare wheel carrier
- s. Hydraulic Jack - W/O hydraulic jack

20. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single color without design
- b. Paint Color, Area A - Mack white 08282PP; P9188
- c. Paint Type - Solid paint
- d. Paint Color Area B - W/O area b paint color
- e. Paint Color Area C - W/O area c paint color
- f. Paint, Cab Paint System - Poly through coat W/O clear coat
- g. Paint, Chassis Running Gear - Mack Black P3036
- h. Paint, Bumper - Paint bumper same color as chassis running gear
- i. Paint, Fuel Tank - Paint fuel tank same color as chassis running gear
- j. Fuel Tank Paint Process Code - Fuel tank paint process, same as chassis running gear
- k. Front Wheel Paint - W/O
- l. Drive Wheel Paint - W/O
- m. Paint: Disc Wheels, Front - W/O paint
- n. Paint: Disc Wheels, Rear - W/O paint

- o. Paint: Demount Rims, Front - W/O paint
- p. Paint: Demount Rims, Rear - W/O paint
- q. Paint: Spoke Wheels, Front - W/O optional spoke wheel paint
- r. Paint: Spoke Wheels, Rear - W/O optional spoke wheel paint
- s. Paint: Hubs and Drums, Front - Same as chassis running gear
- t. Paint: Hubs and Drums, Rear - Same as chassis running gear

21. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack rawhide package

22. APPLICATION PACKAGES - MHD-AB CONFIGURATION PACKAGE

- a. W/O MHD configuration package

23. APPLICATION PACKAGES - SPECIAL SALES PACKAGE

- a. Without Special Sales Package





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK GU532 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #30**

#### **2017 Mack GU532**

The Mack GU532 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$73,458.48	\$73,458.48	\$73,458.48	\$73,458.48

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU532			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$73,458.48	\$73,458.48	\$73,458.48	\$73,458.48

Order Code	Add Options	All Zones
	MP7 - 365HP	NA
	MP8 - 445HP	NA
	Mack T313 - 13 speed	NA
136AY6 <sup>1</sup>	Allison 3000 5spd	\$7,944.65 <sup>1</sup>
	Allison 4500 5spd	NA
288AC0 <sup>1</sup>	116 gallon single tank	\$381.50 <sup>1</sup>
	Dual 50 gallon tanks	NA
	Meritor - RPL25HD	NA
	Mack FXL 14,600 LB	NA
	14,600 LB Leaf Spring	NA
	Meritor - 40,000 LB	NA
	Mack - 40,000 LB Multileaf	NA
271198 <sup>1</sup>	198" WB	NC <sup>1</sup>
271210 <sup>1</sup>	210" WB	NC <sup>1</sup>
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
	Mack Air Disc Brakes	NA
	Mack Air Disc Brakes	NA



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - GU533 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #31)</u></a>			
Transource, Inc.	2017 Mack GU 533	★Appalachia	\$79,501.99
Transource, Inc.	2017 Mack GU 533	★Dogwood	\$79,501.99
Transource, Inc.	2017 Mack GU 533	★Cardinal	\$79,501.99
Transource, Inc.	2017 Mack GU 533	★Longleaf Pine	\$79,501.99



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU533 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #31**

2017 Mack GU 533

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE INFORMATION**

- a. Chassis (Base Model) - GU813 R - 6x4 Daycab
- b. Customer Fleet Size - Dealer fleet with less than 25 vehicles in own fleet of any vehicle brand
- c. Initial Registration Location - Any state exc. California or Hawaii (US14)
- d. Road Condition - Well maintained surfaced roads > 95% driving distance
- e. Vehicle Use and Body/trailer Type - Refuse Rear Loader Truck
- f. Gross Combination Weight - Truck only - no trailer towing provisions provided
- g. Topography - Grades 98% of driving distance max grade 16%
- h. Ambient Temp Upper Limit (GTA) - Amb temp hot, up to +40C, warmer allowed 25h/year
- i. Terrain Grade - On-Off highway, starting grades
- j. Loading Surface - Concrete loading and/or unloading surface
- k. Vehicle Vocation - Pickup and delivery / short haul service

#### **2. ENGINE**

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - ISL-D 345/8.9L, Cummins 345hp 2100 RPM (governed) US'14 (1150 lb-ft)
- c. Engine Governor Type Min-Max

#### **3. EXHAUST/EMISSIONS**

- a. CARB 2008 Idle Regulation - Idle emission certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover, painted steel
- c. DPF Diesel Particulate Filter - DPF, HORIZ RH side under cab and behind Step Cummins Switchback
- d. Exhaust - No muffler, single (R/S) vertical straight exh stack turned out end, outboard
- e. Exhaust Heat Shield Type - Exhaust heat shield type, basic
- f. Exhaust Stack Height - Exhaust stack 2.9 metre, height over ground (9'6")
- g. Exhaust System Material Finish - Standard exhaust system material finishing
- h. Def Tank - 25L/22" Dia semi tank left side frame mtd
- i. Def Tank Cover - Def tank cover, painted finish
- j. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. filter version 3
- k. Emission on Board Diag. Control - Emission OBD. display only, USA2016

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" single element Donaldson
- b. Air Intake Source - Air intake source, hood outside
- c. Bug Screen - black aluminum mounted behind grille
- d. Air Compressor - Meritor/Wabco 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA) - Standard fuel filter position

- f. Alternator - 12V130A Delco 24SI (130 AMP)
- g. Batteries - 2-12V Mack M/F 31 1000 CCA Threaded stud type
- h. Cooling Performance - Narrow radiator with length 4 (60 DM2), 41 DEG C ATB, cooling capacity
- i. Coolant Protection - Texaco Extended Life Coolant #7998 w/Nitrites (50/50 Mix) to -34 Deg
- j. Coolant Filter/Conditioner - with filter/conditioner
- k. Fan Drive - Kysor Fan, "On-Off"
- l. Engine Brake - w/o Engine Brake
- m. Fuel - Water Separator - Davco 382 Non-Heated w/Vendor Prim/Mack Sec Fuel Filter
- n. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- o. Battery Box Mounting - RH behind SCR - US10
- p. Battery Box Cover - Basic battery box cover
- q. Battery Disconnect Switch - W/O battery disconnect switch
- r. Emergency Start Studs - Without emergency start studs
- s. Hoses - Radiator/Heater - mack brand EPDM radiator and heater hoses
- t. Starter - 12V standard starter Delco 39MTHD
- u. Oil Pan - Oil pan steel
- v. Tether Dev. Package, Caps and Covers - Without tether device package for caps and covers
- w. Engine Block Heater - without engine block heater
- x. Engine Oil Pan Heater - Without engine oil pan heater
- y. Engine Starting Aid - with Electric Preheater
- a'. Breather Filter - Without breather filter
- aa. Engine Oil Drain Kit - Without engine oil drain kit
- ab. Battery Shock Pads - Without battery shock pads
- ac. Smart Idle Elevated Idle RPM Time - Increase 10 minute maximum time
- ad. Engine Brake Lighting (CA) - Brake lighting, basic

#### 5. CLUTCH/TRANSMISSION EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 7-spring, 2 plate 15.5" ceramic 4 paddles, manual adjust
- b. Driveline - Main - Meritor 18 MXL"XTENDED LUBE"
- c. Driveline - Interaxle - MERITOR 17 MXL"XTENDED LUBE"
- d. Clutch Actuation System - Clutch actuation system, mechanical, cable
- e. Lubricants, Transmission - Synthetic Oil in Transmission, 50W
- f. Clutch Pedal Pad - Clutch pedal pad, rubber
- g. Transmission Oil Cooler - Without oil cooler
- h. Transmission Dust Proofing - Without transmission dust proofing
- i. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- j. Prop Shaft Interaxle Univ. Joint - prop shaft main, Universal Joint Half-Round Type
- k. Propeller Shaft Main, Universal Jnt. - Propeller shaft main, universal joint half-round type
- l. Hill Start Assist - Without hill start assist
- m. Bell Housing - Aluminum bell housing
- n. Clutch Brake - Clutch brake, one piece
- o. Clutch Lube Line - Without lubeline between release bearing and bell housing
- p. Retarder - Without retarder
- q. Transmission Torque Converter - W/O transmission torque converter
- r. Transmission Adaptation Ring - W/O transmission adaptation ring
- s. Gear Shift Lever - Gear Shifting, Basic
- t. Engine Start Condition - Without engine start condition
- u. Trans Shift Mode Points - W/o trans shift mode points
- v. Transmission Protection - Without transmission protection
- w. Econo Roll - Econo roll disable M-drive (required for all other transmissions)
- x. mDrive Mackcellerator - Without transmission kick-down mode
- y. Prop Shaft Interaxl Univ Joint - Prop Shaft Interaxle, Univ Joint Half-round Type

#### 6. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL 12 12,000 Lb - Mack 5400 KG (N/a with lift axles)
- b. Front Axle Spread - W/O
- c. Vehicle Prep - W/O vehicle prep, additional
- d. Additional Axles - Axles
- e. Springs - Front - 12,000 LB taperleaf 5400 kg (2 leaf spring)
- f. Brake, Front - Cast Iron brakedrum, front axle
- g. Front Axle Brakes - bendix ES\_165-06D 16.5 x 5 cast spider

- h. Front Axle Brake Dust Shield - Front brakes W/O dust shields
- i. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- j. Front Brake ADJ. MFG. - Front Brake Adjustment, Automatic Haldex
- k. Front Spring Bias - without Front Spring BIAS (EQUAL STIFFNESS L/R)
- l. Brake Lining Material Front - Brake Lining Material Front, Eaton EES-600
- m. Hub Material, Front - Basic material hub (steel/cast iron), front
- n. Hub Oil Seal, Front - Fag Schaeffler, front hub oil seal
- o. Spindle Nuts, Front - Basic (no option) spindle nuts, front
- p. Shock Absorber, Front - With shock absorber, front
- q. Steering - TAS-66 TRW Power (Intergral)
- r. Lubricants, Front Axle - petroleum oil in front axle
- s. Front Brake Chamber Size - Front brake chamber 20sq inches (service)
- t. Brake Regulation - Brake regulation, stopping distance 94M (310ft)

## 7. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - W/O option center support

## 8. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 211"
- b. AF (Overhang) - 75"
- c. Frame Rails - Steel - 300MM x 90MM x 7MM -- (11.81" x 3.54" x 0.275")
- d. Frame Inner Liner - Without liner
- e. Frame Outer Liner (CA) - Without frame outer liner
- f. Front Frame Ext. (bolted on) - 155MM, Front Frame Extension, Bolted on (6 inches)
- g. Front Frame Length - Front frame length - 1285MM
- h. Crossmembers - Boc and intermediate (s) = steel HD back to back channel
- i. Frame Rail Free Space - W/O frame rail clearance
- j. Fuel Tank Polish Option - W/O fuel tank polish option
- k. Rear Crossmember Options - Rear crossmember, straight frame end (basic)
- l. Rear Frame Treatment - Straight cut treatment, rear frame
- m. Mudflap Hangers, Rear Axle - Without mudflap hangers, rear axle
- n. Mudflap, Front Axle - Basic Mudflap, Front Axle
- o. Front Bumper - Bumper, Painted Steel
- p. Guard, Under Engine BAYT - Without guard
- q. Aux. Crossm. in Rear Overhang - without Auxiliary Crossmember in Rear Overhang
- r. Towing Device, Front - Two Clevis Towing Device, Front
- s. Towing Coupling - Without towing coupling
- t. Towing Device, Rear - Without towing devices, rear
- u. Fuel Tank, LH - 66 gallon steel (250 liters) Sleeved, D-Shape, 22In (560MM)
- v. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on LH tank
- w. Fuel Tank, RH - Omit RH fuel tank
- x. Toolbox Chassis - W/O toolbox chassis
- y. Filler Neck Screens - W/O filler neck screen w/o sump
- a`. Fuel Line Options Liquid - Fuel line option, single
- aa. Fuel Tank Cap - Non-lockable fuel tank cap
- ab. Steps (bright) Fuel Tank, W/O bright finish steps and straps package
- ac. Fuel Fill System, Liquid - Fuel fill system, basic
- ad. Quarter Fenders - W/O rear axle fenders
- ae. Isolate Tank from Fuel System - W/O isolated tank
- af. Crossmember, Bogie Type - without Crossmember, Bogie
- ag. Intermed XMBR Exclusion Zone - W/O
- ah. Mudflap Type, Rear Axle - without Rear Axle Mudflap

## 9. AIR/BRAKE

- a. Air Dryer, Manufacturer - Wabco Air Dr., 1200 Up W/ T Cut Off Valve, W Coalesec oil filter
- b. Airtank Drain Valve - petcock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Air Dryer Position (CA) - Air dryer position standard
- e. Park Brake Alarm (CA) - Without park brake alarm
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking

- g. Relocate Air Reservoirs - W/O relocated air reservoirs
- h. Auxiliary Airtank - W/O aux. airtank
- i. Trailer Access Package - W/O rear deck

#### 10. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis wiring harness casing, basic
- b. Auxiliary Pneumatic Outlet Cab - W/O auxiliary pneumatic outlet, in cab
- c. Auxiliary Spotlight (CA) - Without auxiliary spotlight
- d. Parking Brake Lighting - W/O parking brake lighting
- e. Dash Panel Box - Dash panel clip and cell phone holder
- f. Back-Up Alarm - W/O back up alarm
- g. Aux. Fog Lamp - W/O fog lamp
- h. Auxiliary Lamps - W/O auxiliary lamps
  - i. Tail Lamps - Tail lamp, multipurpose
  - j. Dash Mounted Switches - W/O aux. switch wiring
- k. Marker/Directional Signal - W/O marker/directional signal option
  - l. Daytime Running Lights - DRL when engine running, park brake off
- m. Warning Lamp - W/O warning lamp

#### 11. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA) - W/O fifth wheel angles
- b. Fifth Wheel Angle Thickness - W/O fifth wheel angle thickness
- c. Trailer Glad Hand Couplings - W/O brake connection
- d. Trailer Brake Valve - W/O trailer brake valve
- e. Trailer Connection Position - W/O trailer connection position
- f. Trailer Electrical Recept. - W/O trailer electrical recept
- g. Trailer Hookup Light - W/O cab mtd trailer hookup lamp
- h. 5th Wheel Offset - Without Fifth Wheel Offset

#### 12. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - W/O hydraulic pump
- b. Front Body Attachment - W/O front body attachment
- c. Frame Modifications - No frame modifications provided
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection Additional (CA) - W/O transp. rust protection
- f. Aux. Transmission Cooler (CA) - W/O auxiliary transmission cooler
- g. Rear Engine PTO - W/O rear engine PTO
- h. PTO Trans Neutral Control Check - W/O PTO transmission neutral control check
  - i. Power Take Off Control - W/O power take off control
  - j. Crankshaft Adapter - W/O front end PTO drive
- k. Bulk Unloading Adaptation - W/O bulk unloading adaptation
  - l. Body Builder Interface - Body link3 W cab pass thru
- m. Unique Decals Machine DirectIV (CA) - W/O decals
- n. PTO Trans Side, Free Space - W/O PTO transmission side, free space
- o. PTO, Rear Mounted - W/O Rear MTD PTO - (non-M-drive)
- p. Transport Adaptation - Uniform load no adaptation
- q. Collision Warning System - W/O
- r. ACC Time GAP Configuration Setting - W/O Adjustable Time Gap Configuration
- s. Transport Adaptation - Uniform Load No Adaptation

#### 13. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air intake grille, gray
- c. Air Restriction Indicator - W/O air restriction indicator
- d. Antenna, Satellite - W/O satellite antenna
- e. Ashtray
- f. Audio Shutoff - W/O automatic audio shutoff
- g. Audio Speaker Location - Speaker location, behind doors, middle high side panel
- h. Bug Deflector, Windscreen - W/O bug deflector
- i. Cab Aux. Fan - W/O cab aux. fan

- j. Cab Instep Version - Cab step version basic
- k. Cab Glass - Tinted windshield, side windows, and rear window
- l. Cab Peep Window - Peep Window on Right side Non Stg Whl Pos. Depend
- m. Cigar Lighter - Cigar Lighter
- n. Dash Indicator, Lamp Body Out of POS - W/O dash indicator lamp
- o. Dome Lamp, Interior - Dome lamp, interior, 2 each side, switches included
- p. Door Storage Compartment - W/O door storage compartment
- q. Front Wheel Opening - Basic front wheel opening
- r. Fire Extinguisher - W/O fire extinguisher
- s. Floor Covering - Polyurethane floor mat
- t. Gauge, Ambient Temperature - W/O gauge, ambient temperature
- u. Time Counter (CA) - W/O time counter
- v. Gauge, Odometer - No hubodometer provided
- w. Gauge, Oil Temp., Rear Axle - W/O axle oil temp. gauge
- x. Gauges, Packages - Std package plus engine oil temp, transmission oil temp and exh pyrometer
- y. Gauges, Unit of Measure - U.S. Units (predominant)
- a`. Grab Handles - BF exterior cab grab handles, BL grab handle RH interior windshield post
- aa. Grille - Black Finish Bars w/o Surround Radiator Mounted
- ab. CAB AUX Fan - without Cab AUX Fan

#### 14. CAB (H THRU R)

- a. Headliner Material - Headliner, vinyl
- b. Hood Hatch - W/O hood hatch
- c. Hood Latch Finish - Hood latch finish, black
- d. Horn, Air - Black Twin Trumpet, Under Cab Mounted
- e. Horn, Electrical - 1 single electric horn single tone
- f. Instrument Cluster Display - Co-pilot DRVR disp enhanved 4.5" diag. LCD display w/4 button stalk control, diag. disp. basic
- g. Dashboard - Basic dashboard
- h. Interior Trim Levels - Purebred slate gray
- i. Keyed Alike Chassis - All chassis keyed at random - 2 keys
- j. Door Opening Options - Door opening option, manual
- k. Mirrors, Convex Type Cab Doors - Bright finish (LH and RH) 8.0" dia.
- l. Mirror, Convex Hood and Fender - W/O convex hood mirrors
- m. Mirrors, Exterior - Bulldog - BR Fin
- n. Mirrors Heated Timeout (CA) - W/O heated mirror timeout
- o. Mirrors, Proximity - W/O proximity mirror
- p. Forward Overhead Storage - Forward overhead storage, 2 STG compmnt. w/net, 1 radio shelf center
- q. Personalized Name Plate - W/O personalized name plate
- r. Cab Guard, Front - W/O cab guard
- s. Audio Accommodation - Radio Accommodation Package Includes-Antenna, Power Supply, Two Speakers (No Radio)
- t. Antenna, Radio - Antenna, Radio, Cab MTD, Behind Door, LH, Short Rubber
- u. Antenna CB Radio, W/O antenna, CB radio
- v. Power Leads - Power Lead, 5 way type, headliner MTD
- w. Communication Radio - W/O communication radio
- x. Com. Radio Prep Kit - CB mounting, overhead comp., mount plate, removable
- y. Rear Cab Suspension- Rear cab suspension, air
- a`. Auxiliary Rear Window - With auxiliary rear window, fixed
- aa. Reflector Kit - W/O reflector kit option
- ab. Roof Hatch or Cooler - W/O roof hatch
- ac. Roof Marker Light - Roof light, non specified manufacturer, curved model
- ad. Rear Wall Storage Compartment - Rear Wall Storage Compartment, Fixed
- ae. Permit Plate - W/O (for legal perm adhesives)

#### 15. CAB (S THRU Z)

- a. Seat, Drivers - Air Bostrom Talladega 915 (mid black)
- b. Seat, Passenger - Omit Rider's Seat
- c. Seat Armrest - without Armrest
- d. Seat Belt(s) - Lap and Shoulder (driver's seat only)
- e. Seat Belt Reminder (CA) - W/O seat belt reminder
- f. Seat Covering - All vinyl, cab interior dependent color, driver seat only



- g. Seat Support, Dust Cover - W/O seat support, dust cover
- h. Ignition Type - Ignition type, key
- i. Steering Wheel - 2 spoke urethane grip, charcoal spokes, W/O switches
- j. Sun Visor, Interior, Front - Internal sunvisor front, basic (no mirror) both sides
- k. Sun Visor, Exterior - W/O exterior sun visor
- l. Turn Signals -Self cancelling turn signal
- m. Washing Reservoir Position - Washer reservoir basic position
- n. Window Controls - Roll-Up LH and RH crank operated
- o. Windshield Type - Split windscreen
- p. Windshield Wipers - Two speed electric motor w/intermittent feature
- q. Work Lights - Chassis Mounted - W/O work light, chassis mounted

#### 16. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - W/O provisions for aero aids

#### 17. WHEELS AND TIRES

- a. Tires Brand/Type Front - 11R 22.5 H Bridgestone R283A Ecopia (total for Qty = 2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels, Front - 22.5 x 8.25 LVL One ALCOA ALUM Disc UNIMNT 10 (10 HOLE HUB PILOT) (Total for QTY=2)
- d. Wheel Finishing, Front - Wheel Finishing front, Machined Buff
- e. Front Axle Tire and Wheel Quantity - Two front tires and wheels
- f. Tires Brand/Type, Rear - 11R 22.5 G Bridgestone M726EL (Drive Only)(total for qty = 8)
- g. Wheels, Rear - 22.5 x 8.25 stl disc Unimnt 10 Hayes Lemmerz #95041 2 Hand Hole WGT Reduced (Total for QTY=8)
- h. Rear Wheel Rim Clamp - W/O rear wheel rim clamp
- i. Rear Disc Wheel: Polish - ALCOA All WHEELS Finish, Machined Clean Buff
- j. Rear Axle Tire and Wheel Quantity - Eight rear axle tires and wheels
- k. Wheel Studs (CA) - Wheel studs basic length
- l. Hub/Wheel Isolator, Front - W/O hub/wheel isolator, front
- m. Hub/Wheel Isolator, Drive - W/O hub/wheel isolator, drive
- n. Wheel Nut and Finish Front - Wheel nut and finish basic, front
- o. Wheel Nut Finish, Rear (CA) - Wheel nut basic finish , rear
- p. Tire Inflation Valve - Tire Inflation valve, standard
- q. Spare Wheel - W/O spare wheel
- r. Spare Wheel Carrier, POS - W/O spare wheel carrier
- s. Hydraulic Jack - W/O hydraulic jack

#### 18. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single color without design
- b. Paint Color, Area A - Mack white 08282PP; P9188
- c. Paint Type - Solid paint
- d. Paint Color Area B - W/O area b paint color
- e. Paint Color Area C - W/O area c paint color
- f. Paint, Cab Paint System - Poly through coat W/O clear coat
- g. Paint, Chassis Running Gear - Mack Black P3036
- h. Paint, Bumper - Paint bumper same color as chassis running gear
- i. Paint, Fuel Tank - Paint fuel tank same color as chassis running gear
- j. Fuel Tank Paint Process Code - Fuel tank paint process, same as chassis running gear
- k. Front Wheel Paint - Without (unpainted)
- l. Drive Wheel Paint - Without (unpainted)
- m. Paint: Disc Wheels, Front - W/O paint
- n. Paint: Disc Wheels, Rear - W/O paint
- o. Paint: Demount Rims, Front - W/O paint
- p. Paint: Demount Rims, Rear - W/O paint
- q. Paint: Spoke Wheels, Front - W/O optional spoke wheel paint
- r. Paint: Spoke Wheels, Rear - W/O optional spoke wheel paint
- s. Paint: Hubs and Drums, Front - Same as chassis running gear
- t. Paint: Hubs and Drums, Rear - Same as chassis running gear

#### 19. REAR AXLE EQUIPMENT

- a. Rear Axles - Tandem - MT-40-14x4D 40000LB-Meritor Hypoid (Low Entry)
- b. Rear Axle Casing Width - Rear axle casing width, std
- c. Lube Pump, Rear Axle - W/O
- d. Carrier, Rear Axle - Vendor Carrier
- e. Rear Axle Ratio - Ratio 4.63, rear axle
- f. Rear Suspension, Tandem - AL402 - Mack Air Susp. For On/Off Highway W/Add'l Lift Axles
- g. Springs, Anti-Sway - w/o Anti-Sway
- h. Rear Susp. Beam Bushings - without Rear Susp. Beam Bushing
  - i. Bogie Spread, Rear - Bogie spread, 1320mm (52.0")
  - j. Suspension Leveling Device - Electrical Regulation Leveling Device
- k. Air Suspension Dump Warning - Air Suspension Dump, Warning Ind & Buzzer
  - l. Rear Shock Absorber - with Shock Absorber, Rear
- m. Transverse Torque Rods, R Susp. - Rear Suspension Transverse Torque Rod
- n. Brakes, Rear - Bendix ES 165-07D 16.5x7 cast spider
- o. Brake Drums/Rotors, Rear - Cast Iron Brake Drums
- p. Rear Brake ADJ. Manufacture - Rear brake adjustment, automatic Haldex
- q. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- r. Drive Axle Brake Dust Shield - Rear drive brakes W/O dustshields
- s. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- t. Hub Material, Drive - iron preset hub, drive w/ integrated spindle nut
- u. Hub Oil Seal, Drive - Premium hub oil seal, drive
- v. Power Divider Lockout - Power divider lockout, w/ buzzer and light
- w. Lubricants, Rear Axle - Petroleum oil in axle, rear
- x. Rear Spring Insulator Mat'l - without Rear spring insulator, rubber
- y. Spring Brake Chambers, Vendor - MGM model TR-T; tamper resistant brake chambers
- a`. Traction Differential - W/O intr-whl/differential options
- aa. Spindle Nuts, Main Axle - Spindle nuts, main axle, integrated
- ab. ABS Sensor and Modulator - ABS 4 sensors and 4 modulators (front and rear axles)
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch) ABS
- ad. Brake Valve Version - Brake valve version, USA Bendix, where possible
- ae. Traction Control Disable - W/O Traction Control Disable

20. CAB SLEEPER BOX

- a. Side Window Lower - W/O Side Window, Lower

21. APPLICATION PACKAGES - TRUCK/MHD-AB CONF1 PKG

- a. w/o Truck Config Package

22. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack rawhide package

23. APPLICATION PACKAGES - SPECIAL SALES PACKAGE

- a. Without Special Sales Package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU533 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #31**

#### **2017 Mack GU 533**

The Mack GU 533 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$79,501.99	\$79,501.99	\$79,501.99	\$79,501.99

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU 533			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$79,501.99	\$79,501.99	\$79,501.99	\$79,501.99

Order Code	Add Options	All Zones
	MP7 - 365HP	NA
	MP8 - 445HP	NA
	Mack T313 - 13 speed	NA
136AY6 <sup>1</sup>	Allison 3000 5spd	\$9,235.80 <sup>1</sup>
	Allison 4500 5spd	NA
288AC0 <sup>1</sup>	116 gallon single tank	\$381.50 <sup>1</sup>
	Dual 50 gallon tanks	NA
	Meritor - RPL25HD	NA
240AA7 <sup>1</sup>	Mack FXL 14,600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NC
	Meritor - 40,000 LB	Incl.
	Mack - 40,000 LB Multileaf	NA
	198" WB	NC
	210" WB	NC
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$451.50 <sup>1</sup>
	Mack Air Disc Brakes	NA
	Mack Air Disc Brakes	NA



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK GU812 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #32)</u></a>			
Transource, Inc.	2017 Mack GU812	★Appalachia	\$84,808.27
Transource, Inc.	2017 Mack GU812	★Dogwood	\$84,808.27
Transource, Inc.	2017 Mack GU812	★Cardinal	\$84,808.27
Transource, Inc.	2017 Mack GU812	★Longleaf Pine	\$84,808.27



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK GU812 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #32**

2017 Mack GU812

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. ENGINE**

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - MP7-325M Mack 325 @ 1500-1900 RPM (Peak) 2100 RPM (governed) US'14 (1200 lb-ft)
- c. Engine Governor Type Min-Max

#### **2. TRANSMISSION**

- a. Transmission - Y310 10 SP-Mack
- b. Without transmission electronics

#### **3. EXHAUST/EMISSIONS**

- a. CARB 2008 Idle Regulation - Idle emission certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover, painted steel
- c. DPF Diesel Particulate Filter - Cleartech HHS DPF RH side under cab w.SCR frame MTD RH side - US10
- d. Exhaust - No muffler, single (R/S) vertical straight EXH stack turned out end, outboard
- e. Exhaust Heat Shield Type - Exhaust heat shield type, basic
- f. Exhaust Stack Height - Exhaust stack 3.55 metre, height over ground (11'6")
- g. Exhaust System Material Finish - Standard exhaust system material finishing
- h. Def Tank - 45L/22" Dia semi tank left side frame mtd
- i. Def Tank Cover - Def tank cover, painted finish
- j. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. filter ceramic
- k. Emission on Board Diag. Control - Emission OBD. display only, USA2016

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" single element Donaldson
- b. Air Intake Source - Air intake source, hood outside
- c. Bug Screen - w/o bug screen / winter front
- d. Air Compressor - Meritor/Wabco 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA) - Standard fuel filter position
- f. Alternator - 12V130A Delco 24SI (130 AMP)
- g. Batteries - 3-12V Mack M/F 31 650 CCA Threaded stud type
- h. Cooling Performance - Narrow radiator with length 4 (60 DM2), 41 DEG C ATB, cooling capacity
- i. Coolant Protection - To -34 deg F
- j. Coolant Filter/Conditioner - with filter/conditioner
- k. Fan Drive - BEHR fan and electronic modulating viscous fan drive
- l. Engine Brake - w/o Engine Brake
- m. Fuel - Water Separator - Mack integral includes manual drain
- n. Fuel Equipment Water Heater (CA) - Without fuel heater equipment

- o. Battery Box Mounting - RH behind SCR - US10
- p. Battery Box Cover - Basic battery box cover
- q. Battery Disconnect Switch - W/O battery disconnect switch
- r. Emergency Start Studs - Without emergency start studs
- s. Hoses - Radiator/Heater - mack brand EPDM radiator and heater hoses
- t. Starter - 12V standard starter Delco 39MTHD
- u. Oil Pan - Oil pan steel
- v. Tether Dev. Package, Caps and Covers - Without tether device package for caps and covers
- w. Engine Block Heater - without engine block heater
- x. Engine Oil Pan Heater - Without engine oil pan heater
- y. Engine Starting Aid - Without starting aid
- a`. Breather Filter - Without breather filter
- aa. Engine Oil Drain Kit - Without engine oil drain kit
- ab. Battery Shock Pads - Without battery shock pads
- ac. Smart Idle Elevated Idle RPM Time - Increase 10 minute maximum time

#### 5. CLUTCH/TRANSMISSION EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 9 spring, 2 platye 15.5" ceramic 6 paddles, manual adjust
- b. Driveline - Main - meritor 18 MXL "Xtended Lube"
- c. Clutch Actuation System - Clutch actuation system, mechanical, cable
- d. Lubricants, Transmission - Petroleum oil in transmission
- e. Clutch Pedal Pad - Clutch pedal pad, rubber
- f. Transmission Oil Cooler - Without oil cooler
- g. Transmission Dust Proofing - Without transmission dust proofing
- h. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- i. Propeller Shaft Main, Universal Jnt. - Propeller shaft main, universal joint half-round type
- j. Hill Start Assist - Without hill start assist
- k. Bell Housing - Aluminum bell housing
- l. Clutch Brake - Clutch brake, one piece
- m. Clutch Lube Line - Without lubeline between release bearing and bell housing
- n. Retarder - Without retarder
- o. Transmission Torque Converter - W/O transmission torque converter
- p. Transmission Adaptation Ring - W/O transmission adaptation ring
- q. Gear Shift Lever - Gear Shifting, Basic
- r. Engine Start Condition - Without engine start condition
- s. Trans Shift Mode Points - W/o trans shift mode points
- t. Transmission Protection - Without transmission protection
- u. Econo Roll - Econo roll disable M-drive (required for all other transmissions)
- v. mDrive Mackcellerator - Without transmission kick-down mode

#### 6. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL 12 12,000 Lb - Mack 5400 KG (N/a with lift axles)
- b. Springs - Front - 12,000 Lb taperleaf 5400 kg (2-leaf spring)
- c. Front Axle Brakes - Meritor "S" Cam 16.5 x 5" Q Plus brakes
- d. Brake, Front - Cast iron brakedrum, front axle
- e. Front Axle Brake Dust Shield - Front brakes without dust shields
- f. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- g. Front Brake ADJ. Manufacture - Front brake adjustment, automatic Haldex
- h. Front Spring Bias - Without front spring bias (equal stiffness L/R)
- i. Brake Lining Material Front - Brake lining material, front, fed mogul abex 931-162/R301
- j. Hub Material, Front - Basic material hub (steel/cast iron), front
- k. Hub Oil Seal, Front - FAG Schaeffler, front hub oil seal
- l. Spindle Nuts, Front - Basic (no option) spindle nuts, front
- m. Shock Absorber, Front - With shock absorber, front
- n. Steering - TAS-66 TRW Power (integral)
- o. Lubricants, Front Axle - Petroleum oil in front axle
- p. Front Brake Chamber Size - Front brake chamber 20sq inches (service)
- q. Brake Regulation - Brake regulation, stopping distance 94M (310ft)

#### 7. REAR AXLE EQUIPMENT

- a. Rear Axle Single - RA23R 23000 Lb-Mack 10400 KG
- b. Rear Axle Casing Width - Rear axle casing width, standard
- c. Lube Pump, Rear Axle - Without lube pump, rear axle
- d. Carrier - Rear Axle - CRD151
- e. Rear Axle Ratio - Ratio 3.11, rear axle
- f. Rear Suspension - Single - 23000 lb multileaf 10400kg no anti-sway
- g. Springs - Anti-Sway - W/O anti-sway
- h. Suspension Leveling Device - W/O Susp. leveling device
  - i. Air Suspension Dump Warning - W/O air suspension dump warning
- j. Rear Shock Absorber - W/O shock absorber, rear
- k. Transverse Torque Rods, R Susp. - Without rear suspension transverse torque rod
  - l. Brakes, Rear - Meritor - CAM 16.5x7 Q Plus
- m. Brake Drums/Rotors, Rear - Cast iron brake drums
- n. Rear Brake ADJ Manufacture - Rear brake adjustment, automatic haldex
- o. Rear Brake Chamber Size - Rear brake chamber 30/30 sq. inches (service/emergency)
- p. Drive Axle Brake Dust Shield - Rear drive brakes without dustshields
- q. Brake Lining Material Drive - iron preset hub, drive, w/ integrated spindle nut
- r. Hub Material, Drive - Iron preset hub, drive, w/ integrated spindle nut
- s. Hub Oil Seal, Drive - Premium hub oil seal, drive
- t. Power Divider Lockout - W/O power divider
- u. Lubricants, Rear Axle - Petroleum oil in rear axle
- v. Spring Brake Chambers, Vendor - MGM model TR-T; tamper-resistant brake chambers
- w. Traction Differential - W/O intr-WHL/differential options
- x. Spindle Nuts, Main Axle - Spindle nuts, main axle, integrated
- y. ABS Sensor and Modulator - ABS 4 sensors and 4 modulators (front and rear axles)
- a`. Anti-Lock Brake System - Bendix KB (Eaton/Bosch), ABS
- aa. Brake Valve Version - Brake valve version, USA-Bendix, where possible
- ab. Traction Control Disable - W/O traction control disable

#### 8. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 215"
- b. AF (Overhang) - 71"
- c. Frame Rails - Steel - 300MM x 90MM x 8MM -- (11.81" x 3.54" x 0.31")
- d. Frame Inner Liner - Without liner
- e. Frame Outer Liner (CA) - Without frame outer liner
- f. Front Frame Ext. (bolted on) - 155mm, front frame extension, bolted on (6")
- g. Front Frame Length - Front frame length - 1285MM
- h. Crossmembers - Boc and intermediate (s) = steel HD back to back channel
  - i. Frame Rail Free Space - W/O frame rail clearance
  - j. Fuel Tank Polish Option - W/O fuel tank polish option
- k. Rear Crossmember Options - Rear crossmember, straight frame end (basic)
  - l. Rear Frame Treatment - Straight cut treatment, rear frame
- m. Mudflap Hangers, Rear Axle - Without mudflap hangers, rear axle
- n. Mudflap, Front Axle - Without mudflap, front axle
- o. Front Bumper - Bumper, steel painted extended, including stone guard
- p. Guard, Under Engine BAYT - Without guard
- q. Aux. Crossm. in Rear Overhang - Without auxilliary crossmember in rear overhang
- r. Towing Device, Front - Without towing device, front
- s. Towing Coupling - Without towing coupling
- t. Towing Device, Rear - Without towing devices, rear
- u. Fuel Tank, LH - 50 gallon (190 liters) 22" (560mm)
- v. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on LH tank
- w. Fuel Tank, RH - Omit RH fuel tank
- x. Toolbox Chassis - W/O toolbox chassis
- y. Filler Neck Screens - W/O filler neck screen w/o sump
- a`. Fuel Line Options Liquid - Fuel line option, single
- aa. Fuel Tank Cap - Non-lockable fuel tank cap
- ab. Steps (bright) Fuel Tank, W/O bright finish steps and straps package



- ac. Fuel Fill System, Liquid - Fuel fill system, basic
- ad. Quarter Fenders - W/O rear axle fenders
- ae. Isolate Tank from Fuel System - W/O isolated tank

#### 10. AIR/BRAKE

- a. Air Dryer, Manufacturer - Wabco Air Dr., 1200 Up W/ T Cut Off Valve, W Coalesc oil filter
- b. Airtank Drain Valve - petcock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Air Dryer Position (CA) - Air dryer position standard
- e. Park Brake Alarm (CA) - Without park brake alarm
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Relocate Air Reservoirs - W/O relocated air reservoirs
- h. Auxiliary Airtank - W/O aux. airtank

#### 11. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis wiring harness casing, basic
- b. Auxiliary Pneumatic Outlet Cab - W/O auxiliary pneumatic outlet, in cab
- c. Auxiliary Spotlight (CA) - Without auxiliary spotlight
- d. Parking Brake Lighting - W/O parking brake lighting
- e. Dash Panel Box - Dash panel clip and cell phone holder
- f. Back-Up Alarm - W/O back up alarm
- g. Aux. Fog Lamp - W/O fog lamp
- h. Auxiliary Lamps - W/O auxiliary lamps
- i. Tail Lamps - Tail lamp, multipurpose
- j. Dash Mounted Switches - W/O aux. switch wiring
- k. Marker/Directional Signal - W/O marker/directional signal option
- l. Daytime Running Lights - DRL when engine running, park brake off
- m. Warning Lamp - W/O warning lamp

#### 12. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA) - W/O fifth wheel angles
- b. Fifth Wheel Angle Thickness - W/O fifth wheel angle thickness
- c. Trailer Glad Hand Couplings - W/O brake connection
- d. Trailer Brake Valve - W/O trailer brake valve
- e. Trailer Connection Position - W/O trailer connection position
- f. Electrical Recept, Aux. Power - W/O electrical recept. aux power
- g. Trailer Electrical Recept. - W/O trailer electrical recept
- h. Trailer Hookup Light - W/O cab mtd trailer hookup lamp

#### 13. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - W/O hydraulic pump
- b. Front Body Attachment - W/O front body attachment
- c. Frame Modifications - No frame modifications provided
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection Additional (CA) - W/O transp. rust protection
- f. Aux. Transmission Cooler (CA) - W/O auxiliary transmission cooler
- g. Rear Engine PTO - W/O rear engine PTO
- h. PTO Trans Neutral Control Check - W/O PTO transmission neutral control check
- i. Power Take Off Control - W/O power take off control
- j. Crankshaft Adapter - W/O front end PTO drive
- k. Bulk Unloading Adaptation - W/O bulk unloading adaptation
- l. Body Builder Interface - Body link3 W cab pass thru
- m. Unique Decals Machine DirectIV (CA) - W/O decals
- n. PTO Trans Side, Free Space - W/O PTO transmission side, free space
- o. PTO, Rear Mounted - W/O Rear MTD PTO - (non-M-drive)

#### 14. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air intake grille, gray

- c. Air Restriction Indicator - W/O air restriction indicator
- d. Antenna, Satellite - W/O satellite antenna
- e. Ashtray
- f. Audio Shutoff - W/O automatic audio shutoff
- g. Audio Speaker Location - Speaker location, behind doors, middle high side panel
- h. Bug Deflector, Windscreen - W/O bug deflector
- i. Cab Aux. Fan - W/O cab aux. fan
- j. Cab Instep Version - Cab step version basic
- k. Cab Glass - Tinted windshield, side windows, and rear window
- l. Cab Peep Window - W/O cab peep window
- m. Cigar Lighter
- n. Dash Indicator, Lamp Body Out of POS - W/O dash indicator lamp
- o. Dome Lamp, Interior - Dome lamp, interior, 2 each side, switches included
- p. Door Storage Compartment - W/O door storage compartment
- q. Front Wheel Opening - Basic front wheel opening
- r. Fire Extinguisher - W/O fire extinguisher
- s. Floor Covering - Polyurethane floor mat
- t. Gauge, Ambient Temperature - W/O gauge, ambient temperature
- u. Time Counter (CA) - W/O time counter
- v. Gauge, Odometer - No hubodometer provided
- w. Gauge, Oil Temp., Rear Axle - W/O axle oil temp. gauge
- x. Gauges, Packages - Std. package + engine oil temperature, transmission oil temp and exh. pyrometer
- y. Gauges, Unit of Measure - U.S. Units (predominant)
- a`. Grab Handles - BF exterior cab grab handles, BL grab handle RH interior windshield post
- aa. Grille - Silver painted grille W/O grille surround

#### 15. CAB (H THRU R)

- a. Headliner Material - Headliner, vinyl
- b. Hood Hatch - W/O hood hatch
- c. Hood Latch Finish - Hood latch finish, black
- d. Horn, Air - W/O air horn
- e. Horn, Electrical - 1 single electric horn single tone
- f. Instrument Cluster Display - Co-pilot DRVR disp enhanved 4.5" diag. LCD display w/4 button stalk control, diag. disp. basic
- g. Dashboard - Basic dashboard
- h. Interior Trim Levels - Purebred sandstone
- i. Keyed Alike Chassis - All chassis keyed at random - 2 keys
- j. Door Opening Options - Door opening option, manual
- k. Mirrors, Convex Type Cab Doors - Bright finish (LH and RH) 8.0" dia.
- l. Mirror, Convex Hood and Fender - W/O convex hood mirrors
- m. Mirrors, Exterior - Bulldog - BR Fin
- n. Mirrors Heated Timeout (CA) - W/O heated mirror timeout
- o. Mirrors, Proximity - W/O proximity mirror
- p. Forward Overhead Storage - Forward overhead storage, 2 STG compmnt. w/net, 1 radio shelf center
- q. Personalized Name Plate - W/O personalized name plate
- r. Cab Guard, Front - W/O cab guard
- s. Audio Accommodation - W/O radio or radio accommodation package
- t. Antenna, Radio - W/O antenna, radio
- u. Antenna CB Radio, W/O antenna, CB radio
- v. Power Leads - Power Lead, 5 way type, headliner MTD
- w. Communication Radio - W/O communication radio
- x. Com. Radio Prep Kit - CB mounting, overhead comp., mount plate, removable
- y. Rear Cab Suspension- Rear cab suspension, air
- a`. Auxiliary Rear Window - With auxiliary rear window, fixed
- aa. Reflector Kit - W/O reflector kit option
- ab. Roof Hatch or Cooler - W/O roof hatch
- ac. Roof Marker Light - Roof light, non specified manufacturer, curved model
- ad. Rear Wall Storage Compartment - W/O rear wall storage compartment

#### 16. CAB (S THRU Z)

- a. Seat, Drivers - Air Bostrom Talladega 915 (mid black)

- b. Seat, Passenger - Fixed Mack (mid black )
- c. Seat Armrest - Seat armrest single, driver (driver seat only)
- d. Seat Belt(s) - Lap and Shoulder (both seats) to be orange in color
- e. Seat Belt Reminder (CA) - W/O seat belt reminder
- f. Seat Covering - All vinyl, cab interior dependent color, driver and rider seats
- g. Seat Support, Dust Cover - W/O seat support, dust cover
- h. Ignition Type - Ignition type, key
  - i. Steering Wheel - 2 spoke urethane grip, charcoal spokes, W/O switches
  - j. Sun Visor, Interior, Front - Internal sun visor front, basic (no mirror) both sides
  - k. Sun Visor, Exterior - W/O exterior sun visor
    - l. Turn Signals - Non cancelling turn signal
- m. Washing Reservoir Position - Washer reservoir basic position
- n. Window Controls - Roll-Up LH and RH crank operated
- o. Windshield Type - Split windscreen
- p. Windshield Wipers - Two speed electric motor w/intermittent feature
- q. Work Lights - Chassis Mounted - W/O work light, chassis mounted

#### 17. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - W/O provisions for aero aids

#### 18. WHEELS AND TIRES

- a. Tires Brand/Type Front - 11R 22.5 G Bridgestone R268 Ecopia (total for Qty = 2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels, Front - 22.5 x 8.25 STL disc 11.25b.c. Accuride hub piloted 10-hole 2 hand hole heavy duty 28828 (total for qty.=2)
- d. Wheel Finishing, Front - W/O wheel finishing front
- e. Front Axle Tire and Wheel Quantity - Two front tires and wheels
- f. Tires Brand/Type, Rear - 11R 22.5 H Bridgestone R 283A Ecopia (total for qty = 4)
- g. Wheels, Rear - 22.5 x 8.25 STL Disc 11.25 BC Accuride Accu-Lite 10-hole HP 5 hand holes p/n 50487 (total for qty = 4)
- h. Rear Wheel Rim Clamp - W/O rear wheel rim clamp
  - i. Rear Disc Wheel: Polish - W/O RR disc whl bright finish
  - j. Rear Axle Tire and Wheel Quantity - Four rear axle tires and wheels
- k. Wheel Studs (CA) - Wheel studs basic length
  - l. Hub/Wheel Isolator, Front - W/O hub/wheel isolator, front
- m. Hub/Wheel Isolator, Drive - W/O hub/wheel isolator, drive
- n. Wheel Nut and Finish Front - Wheel nut and finish basic, front
- o. Wheel Nut Finish, Rear (CA) - Wheel nut basic finish , rear
- p. Tire Inflation Valve - Tire Inflation valve, standard
- q. Spare Wheel - W/O spare wheel
- r. Spare Wheel Carrier, POS - W/O spare wheel carrier
- s. Hydraulic Jack - W/O hydraulic jack

#### 19. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single color without design
- b. Paint Color, Area A - Mack white 08282PP; P9188
- c. Paint Type - Solid paint
- d. Paint Color Area B - W/O area b paint color
- e. Paint Color Area C - W/O area c paint color
- f. Paint, Cab Paint System - Poly through coat W/O clear coat
- g. Paint, Chassis Running Gear - Mack Black P3036
- h. Paint, Bumper - Paint bumper same color as chassis running gear
  - i. Paint, Fuel Tank - Paint fuel tank same color as chassis running gear
  - j. Fuel Tank Paint Process Code - Fuel tank paint process, same as chassis running gear
- k. Front Wheel Paint - Front wheel powder coat, white
  - l. Drive Wheel Paint - Drive wheel powder coat, white
- m. Paint: Disc Wheels, Front - W/O paint
- n. Paint: Disc Wheels, Rear - W/O paint
- o. Paint: Demount Rims, Front - W/O paint
- p. Paint: Demount Rims, Rear - W/O paint

- q. Paint: Spoke Wheels, Front - W/O optional spoke wheel paint
- r. Paint: Spoke Wheels, Rear - W/O optional spoke wheel paint
- s. Paint: Hubs and Drums, Front - Same as chassis running gear
- t. Paint: Hubs and Drums, Rear - Same as chassis running gear

20. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack rawhide package

21. APPLICATION PACKAGES - MHD-AF CONFIGURATION PACKAGE

- a. W/O MHD configuration package

22. APPLICATION PACKAGES - GRANITE AB CONFIGURATION PACKAGE

- a. W/O granite AB configuration package

23. APPLICATION PACKAGES - SPECIAL SALES PACKAGE

- a. Without Special Sales Package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK GU812 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #32**

#### **2017 Mack GU812**

The Mack GU812 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$84,808.27	\$84,808.27	\$84,808.27	\$84,808.27

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

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<b>VEHICLE:</b>	GU812			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$84,808.27	\$84,808.27	\$84,808.27	\$84,808.27

Order Code	Add Options	All Zones
100AL0 <sup>1</sup>	MP7 - 365HP	\$735.00 <sup>1</sup>
100AR0 <sup>1</sup>	MP8 - 445HP	\$2,644.00 <sup>1</sup>
136AB8 <sup>1</sup>	Mack T313 - 13 speed	\$1,629.00 <sup>1</sup>
	Allison 3000 5spd	NA
136AR6 <sup>1</sup>	Allison 4500 5spd	\$20,535.25 <sup>1</sup>
288AA7 <sup>1</sup>	116 gallon single tank	\$363.00 <sup>1</sup>
290AB0 <sup>1</sup>	Dual 50 gallon tanks	\$495.00 <sup>1</sup>
195AA7 <sup>1</sup>	Meritor - RPL25HD	\$157.00 <sup>1</sup>
240AA7 <sup>1</sup>	Mack FXL 14,600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NC
	Meritor - 40,000 LB	NA
	Mack - 40,000 LB Multileaf	NA
	198" WB	NC
	210" WB	NC
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
	Mack Air Disc Brakes	NA
	Mack Air Disc Brakes	NA



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK GU813 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #33)</u></a>			
Transource, Inc.	2017 Mack GU813	★Appalachia	\$90,032.28
Transource, Inc.	2017 Mack GU813	★Dogwood	\$90,032.28
Transource, Inc.	2017 Mack GU813	★Cardinal	\$90,032.28
Transource, Inc.	2017 Mack GU813	★Longleaf Pine	\$90,032.28



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK GU813 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #33**

2017 Mack GU813

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE INFORMATION**

- a. Chassis (Base Model) - GU813 R - 6x4 Daycab
- b. Customer Fleet Size - Dealer fleet with less than 25 vehicles in own fleet of any vehicle brand
- c. Initial Registration Location - Any state exc. California or Hawaii (US14)
- d. Road Condition - Well maintained surfaced roads > 95% driving distance
- e. Vehicle Use and Body/trailer Type - Refuse Rear Loader Truck
- f. Gross Combination Weight - Truck only - no trailer towing provisions provided
- g. Topography - Grades 98% of driving distance max grade 16%
- h. Ambient Temp Upper Limit (GTA) - Amb temp hot, up to +40C, warmer allowed 25h/year
- i. Terrain Grade - On-Off highway, starting grades
- j. Loading Surface - Concrete loading and/or unloading surface
- k. Vehicle Vocation - Pickup and delivery / short haul service

#### **2. ENGINE**

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - MP7-325M Mack 325 @ 1500-1900 RPM (Peak) 2100 RPM (governed) US'14 (1200 lb-ft)
- c. Engine Governor Type Min-Max

#### **3. TRANSMISSION**

- a. Transmission - T310 10 SP-Mack
- b. Without transmission electronics

#### **4. EXHAUST/EMISSIONS**

- a. CARB 2008 Idle Regulation - Idle emission certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover, painted steel
- c. DPF Diesel Particulate Filter - CLeartech HHS DPF RF side under cab w/scr frame mtd rh side - US 10
- d. Exhaust - No muffler, single (R/S) vertical straight exh stack turned out end, outboard
- e. Exhaust Heat Shield Type - Exhaust heat shield type, basic
- f. Exhaust Stack Height - Exhaust stack 3.55 metre, height over ground (11'6")
- g. Exhaust System Material Finish - Standard exhaust system material finishing
- h. Def Tank - 45L/22" Dia semi tank left side frame mtd
- i. Def Tank Cover - Def tank cover, painted finish
- j. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. filter ceramic
- k. Emission on Board Diag. Control - Emission OBD. display only, USA2016

#### **5. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" single element Donaldson



- b. Air Intake Source - Air intake source, hood outside
- c. Bug Screen - black aluminum mounted behind grille
- d. Air Compressor - Meritor/Wabco 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA) - Standard fuel filter position
- f. Alternator - 12V130A Delco 24SI (130 AMP)
- g. Batteries - 3-12V Mack M/F 31 650 CCA Threaded stud type
- h. Cooling Performance - Narrow radiator with length 4 (60 DM2), 41 DEG C ATB, cooling capacity
- i. Coolant Protection - to -34 deg f
- j. Coolant Filter/Conditioner - with filter/conditioner
- k. Fan Drive - Behr fan and electronic modulating viscous fan drive
- l. Engine Brake - w/o Engine Brake
- m. Fuel - Water Separator - Mack integral includes manual drain
- n. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- o. Battery Box Mounting - RH behind SCR - US10
- p. Battery Box Cover - Basic battery box cover
- q. Battery Disconnect Switch - W/O battery disconnect switch
- r. Emergency Start Studs - Without emergency start studs
- s. Hoses - Radiator/Heater - mack brand EPDM radiator and heater hoses
- t. Starter - 12V standard starter Delco 39MTHD
- u. Oil Pan - Oil pan steel
- v. Tether Dev. Package, Caps and Covers - Without tether device package for caps and covers
- w. Engine Block Heater - without engine block heater
- x. Engine Oil Pan Heater - Without engine oil pan heater
- y. Engine Starting Aid - W/O
- a` . Breather Filter - Without breather filter
- aa. Engine Oil Drain Kit - Without engine oil drain kit
- ab. Battery Shock Pads - Without battery shock pads
- ac. Smart Idle Elevated Idle RPM Time - Increase 10 minute maximum time
- ad. Engine Brake Lighting (CA) - Brake lighting, basic

#### 6. CLUTCH/TRANSMISSION EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 9 spring, 2 plate 15.5" ceramic 6 paddles, manual adjust
- b. Driveline - Main - Dana/Spicer SPL250XL Extended Lube Series
- c. Driveline - Interaxle - Dana-Spicer SPL170XL Extended Lube Series
- d. Clutch Actuation System - Clutch actuation system, mechanical, cable
- e. Lubricants, Transmission - Petroleum oil in transmission
- f. Clutch Pedal Pad - Clutch pedal pad, rubber
- g. Transmission Oil Cooler - Without oil cooler
- h. Transmission Dust Proofing - Without transmission dust proofing
- i. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- j. Prop Shaft Interaxle Univ. Joint - prop shaft interaxle, univ joint half-round type
- k. Propeller Shaft Main, Universal Jnt. - Propeller shaft main, universal joint half-round type
- l. Hill Start Assist - Without hill start assist
- m. Bell Housing - Aluminum bell housing
- n. Clutch Brake - Clutch brake, one piece
- o. Clutch Lube Line - Without lubeline between release bearing and bell housing
- p. Retarder - Without retarder
- q. Transmission Torque Converter - W/O transmission torque converter
- r. Transmission Adaptation Ring - W/O transmission adaptation ring
- s. Gear Shift Lever - Gear Shifting, Basic
- t. Engine Start Condition - Without engine start condition
- u. Trans Shift Mode Points - W/o trans shift mode points
- v. Transmission Protection - Without transmission protection
- w. Econo Roll - Econo roll disable M-drive (required for all other transmissions)
- x. mDrive Mackcellerator - Without transmission kick-down mode

#### 7. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL 12 12,000 Lb - Mack 5400 KG (N/a with lift axles)
- b. Front Axle Spread - W/O
- c. Vehicle Prep - W/O vehicle prep, additional
- d. Additional Axles - Axles

- e. Springs - Front - 12,000 LB taperleaf 5400 kg (2 leaf spring)
- f. Brake, Front - Cast Iron brakedrum, front axle
- g. Front Axle Brakes - bendix ES\_165-06D 16.5 x 5 cast spider
- h. Front Axle Brake Dust Shield - Front brakes W/O dust shields
- i. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- j. Front Brake ADJ. MFg. - Fronr Brake Adjustment, Automatic Haldex
- k. Front Spring Bias - W/O (equal stiffness L/R)
- l. Brake Lining Material Front - Eaton EES-600
- m. Hub Material, Front - Basic material hub (steel/cast iron), front
- n. Hub Oil Seal, Front - Fag Schaeffler, front hub oil seal
- o. Spindle Nuts, Front - Basic (no option) spindle nuts, front
- p. Shock Absorber, Front - With shock absorber, front
- q. Steering - TAS-66 TRW power (integral)
- r. Lubricants, Front Axle - petroleum oil in front axle
- s. Front Brake Chamber Size - Front brake chamber 20sq inches (service)
- t. Brake Regulation - Brake regulation, stopping distance 94M (310ft)

#### 8. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 216"
- b. AF (Overhang) - 71"
- c. Frame Rails - Steel - 300MM x 90MM x 8MM -- (11.81" x 3.54" x 0.31")
- d. Frame Inner Liner - Without liner
- e. Frame Outer Liner (CA) - Without frame outer liner
- f. Front Frame Ext. (bolted on) - W/O
- g. Front Frame Length - Front frame length - 1285MM
- h. Crossmembers - Boc and intermediate (s) = steel HD back to back channel
- i. Frame Rail Free Space - W/O frame rail clearance
- j. Fuel Tank Polish Option - W/O fuel tank polish option
- k. Rear Crossmember Options - Rear crossmember, straight frame end (basic)
- l. Rear Frame Treatment - Straight cut treatment, rear frame
- m. Mudflap Hangers, Rear Axle - Without mudflap hangers, rear axle
- n. Mudflap, Front Axle - Without mudflap, front axle
- o. Front Bumper - Steel painted swept-back/u - channel flush
- p. Guard, Under Engine BAYT - Without guard
- q. Aux. Crossm. in Rear Overhang - 1 aux crossmember, single channel
- r. Towing Device, Front - W/O
- s. Towing Coupling - Without towing coupling
- t. Towing Device, Rear - Without towing devices, rear
- u. Fuel Tank, LH - 50 gallon steel (190 liters) 22" (560 mm)
- v. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on LH tank
- w. Fuel Tank, RH - Omit RH fuel tank
- x. Toolbox Chassis - W/O toolbox chassis
- y. Filler Neck Screens - W/O filler neck screen w/o sump
- a`. Fuel Line Options Liquid - Fuel line option, single
- aa. Fuel Tank Cap - Non-lockable fuel tank cap
- ab. Steps (bright) Fuel Tank, W/O bright finish steps and straps package
- ac. Fuel Fill System, Liquid - Fuel fill system, basic
- ad. Quarter Fenders - W/O rear axle fenders
- ae. Isolate Tank from Fuel System - W/O isolated tank
- af. Crossmember, Bogie Type - Crossmember, Bogie, basic type
- ag. Intermed XMBR Exclusion Zone - W/O

#### 10. AIR/BRAKE

- a. Air Dryer, Manufacturer - Wabco Air Dr., 1200 Up W/ T Cut Off Valve, W Coalesc oil filter
- b. Airtank Drain Valve - petock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Air Dryer Position (CA) - Air dryer position standard

- e. Park Brake Alarm (CA) - Without park brake alarm
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Relocate Air Reservoirs - W/O relocated air reservoirs
- h. Auxiliary Airtank - W/O aux. airtank
- i. Trailer Access Package - W/O rear deck
- j. 5th Wheel Offset - W/O 5th wheel offset

#### 11. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis wiring harness casing, basic
- b. Auxiliary Pneumatic Outlet Cab - W/O auxiliary pneumatic outlet, in cab
- c. Auxiliary Spotlight (CA) - Without auxiliary spotlight
- d. Parking Brake Lighting - W/O parking brake lighting
- e. Dash Panel Box - Dash panel clip and cell phone holder
- f. Back-Up Alarm - W/O back up alarm
- g. Aux. Fog Lamp - W/O fog lamp
- h. Auxiliary Lamps - W/O auxiliary lamps
- i. Tail Lamps - Tail lamp, multipurpose
- j. Dash Mounted Switches - W/O aux. switch wiring
- k. Marker/Directional Signal - W/O marker/directional signal option
- l. Daytime Running Lights - DRL when engine running, park brake off
- m. Warning Lamp - W/O warning lamp

#### 12. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA) - W/O fifth wheel angles
- b. Fifth Wheel Angle Thickness - W/O fifth wheel angle thickness
- c. Trailer Glad Hand Couplings - W/O brake connection
- d. Trailer Brake Valve - W/O trailer brake valve
- e. Trailer Connection Position - W/O trailer connection position
- f. Trailer Electrical Recept. - W/O trailer electrical recept
- g. Trailer Hookup Light - W/O cab mtd trailer hookup lamp

#### 13. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - W/O hydraulic pump
- b. Front Body Attachment - W/O front body attachment
- c. Frame Modifications - No frame modifications provided
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection Additional (CA) - W/O transp. rust protection
- f. Aux. Transmission Cooler (CA) - W/O auxiliary transmission cooler
- g. Rear Engine PTO - W/O rear engine PTO
- h. PTO Trans Neutral Control Check - W/O PTO transmission neutral control check
- i. Power Take Off Control - W/O power take off control
- j. Crankshaft Adapter - W/O front end PTO drive
- k. Bulk Unloading Adaptation - W/O bulk unloading adaptation
- l. Body Builder Interface - Body link3 W cab pass thru
- m. Unique Decals Machine DirectIV (CA) - W/O decals
- n. PTO Trans Side, Free Space - W/O PTO transmission side, free space
- o. PTO, Rear Mounted - W/O Rear MTD PTO - (non-M-drive)
- p. Transport Adaptation - Uniform load no adaptation
- q. Collision Warning System - W/O
- r. ACC Time GAP Configuration Setting - W/O

#### 14. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air intake grille, gray
- c. Air Restriction Indicator - W/O air restriction indicator
- d. Antenna, Satellite - W/O satellite antenna
- e. Ashtray
- f. Audio Shutoff - W/O automatic audio shutoff
- g. Audio Speaker Location - Speaker location, behind doors, middle high side panel
- h. Bug Deflector, Windscreen - W/O bug deflector

- i. Cab Aux. Fan - W/O cab aux. fan
- j. Cab Instep Version - Cab step version basic
- k. Cab Glass - Tinted windshield, side windows, and rear window
- l. Cab Peep Window - W/O
- m. Cigar Lighter
- n. Dash Indicator, Lamp Body Out of POS - W/O dash indicator lamp
- o. Dome Lamp, Interior - Dome lamp, interior, 2 each side, switches included
- p. Door Storage Compartment - W/O door storage compartment
- q. Front Wheel Opening - Basic front wheel opening
- r. Fire Extinguisher - W/O fire extinguisher
- s. Floor Covering - Polyurethane floor mat
- t. Gauge, Ambient Temperature - W/O gauge, ambient temperature
- u. Time Counter (CA) - W/O time counter
- v. Gauge, Odometer - No hubodometer provided
- w. Gauge, Oil Temp., Rear Axle - W/O axle oil temp. gauge
- x. Gauges, Packages - Std package plus engine oil temp, transmission oil temp and exh pyrometer
- y. Gauges, Unit of Measure - U.S. Units (predominant)
- a`. Grab Handles - BF exterior cab grab handles, BL grab handle RH interior windshield post
- aa. Grille - Silver painted grille W/O grille surround

#### 15. CAB (H THRU R)

- a. Headliner Material - Headliner, vinyl
- b. Hood Hatch - W/O hood hatch
- c. Hood Latch Finish - Hood latch finish, black
- d. Horn, Air - W/O
- e. Horn, Electrical - 1 single electric horn single tone
- f. Instrument Cluster Display - Co-pilot DRVR disp enhanced 4.5" diag. LCD display w/4 button stalk control, diag. disp. basic
- g. Dashboard - Basic dashboard
- h. Interior Trim Levels - Purebred sandstone
  - i. Keyed Alike Chassis - All chassis keyed at random - 2 keys
  - j. Door Opening Options - Door opening option, manual
- k. Mirrors, Convex Type Cab Doors - Bright finish (LH and RH) 8.0" dia.
  - l. Mirror, Convex Hood and Fender - W/O convex hood mirrors
- m. Mirrors, Exterior - Bulldog - BR Fin
- n. Mirrors Heated Timeout (CA) - W/O heated mirror timeout
- o. Mirrors, Proximity - W/O proximity mirror
- p. Forward Overhead Storage - Forward overhead storage, 2 STG compmnt. w/net, 1 radio shelf center
- q. Personalized Name Plate - W/O personalized name plate
- r. Cab Guard, Front - W/O cab guard
- s. Audio Accommodation - W/O pkg
- t. Antenna, Radio - W/O
- u. Antenna CB Radio, W/O antenna, CB radio
- v. Power Leads - Power Lead, 5 way type, headliner MTD
- w. Communication Radio - W/O communication radio
- x. Com. Radio Prep Kit - CB mounting, overhead comp., mount plate, removable
- y. Rear Cab Suspension- Rear cab suspension, air
- a`. Auxiliary Rear Window - With auxiliary rear window, fixed
- aa. Reflector Kit - W/O reflector kit option
- ab. Roof Hatch or Cooler - W/O roof hatch
- ac. Roof Marker Light - Roof light, non specified manufacturer, curved model
- ad. Rear Wall Storage Compartment - W/O
- ae. Permit Plate - W/O (for legal perm adhesives)

#### 16. CAB (S THRU Z)

- a. Seat, Drivers - Air Bostrom Talladega 915 (mid black)
- b. Seat, Passenger - Fixed - Mack
- c. Seat Armrest - Seat armrest single, drive (driver seat only)
- d. Seat Belt(s) - Lap and Shoulder both seats to be in color orange
- e. Seat Belt Reminder (CA) - W/O seat belt reminder
- f. Seat Covering - All vinyl, cab interior dependent color, driver seat only

- g. Seat Support, Dust Cover - W/O seat support, dust cover
- h. Ignition Type - Ignition type, key
- i. Steering Wheel - 2 spoke urethane grip, charcoal spokes, W/O switches
- j. Sun Visor, Interior, Front - Internal sunvisor front, basic (no mirror) both sides
- k. Sun Visor, Exterior - W/O exterior sun visor
- l. Turn Signals - Non cancelling turn signal
- m. Washing Reservoir Position - Washer reservoir basic position
- n. Window Controls - Roll-Up LH and RH crank operated
- o. Windshield Type - Split windscreen
- p. Windshield Wipers - Two speed electric motor w/intermittent feature
- q. Work Lights - Chassis Mounted - W/O work light, chassis mounted

#### 17. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - W/O provisions for aero aids

#### 18. WHEELS AND TIRES

- a. Tires Brand/Type Front - 11R 22.5 H Bridgestone R283A Ecopia (total for Qty = 2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels, Front - 22.5 x 8.25 stl disc 11.25 bc accuride accu-lite 10 hole hp (2 hand holes) p/n 50408 (total for qty = 2)
- d. Wheel Finishing, Front - W/O
- e. Front Axle Tire and Wheel Quantity - Two front tires and wheels
- f. Tires Brand/Type, Rear - 11R 22.5 H Bridgestone R283A Ecopia (total for qty = 8)
- g. Wheels, Rear - 22.5 x 8.25 stl disc 11.25 bc accuride accu-lite 10 hole hp (5 hand holes) p/n 50487 (total for qty = 8)
- h. Rear Wheel Rim Clamp - W/O rear wheel rim clamp
- i. Rear Disc Wheel: Polish - W/O
- j. Rear Axle Tire and Wheel Quantity - Eight rear axle tires and wheels
- k. Wheel Studs (CA) - Wheel studs basic length
- l. Hub/Wheel Isolator, Front - W/O hub/wheel isolator, front
- m. Hub/Wheel Isolator, Drive - W/O hub/wheel isolator, drive
- n. Wheel Nut and Finish Front - Wheel nut and finish basic, front
- o. Wheel Nut Finish, Rear (CA) - Wheel nut basic finish , rear
- p. Tire Inflation Valve - Tire Inflation valve, standard
- q. Spare Wheel - W/O spare wheel
- r. Spare Wheel Carrier, POS - W/O spare wheel carrier
- s. Hydraulic Jack - W/O hydraulic jack

#### 19. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single color without design
- b. Paint Color, Area A - Mack white 08282PP; P9188
- c. Paint Type - Solid paint
- d. Paint Color Area B - W/O area b paint color
- e. Paint Color Area C - W/O area c paint color
- f. Paint, Cab Paint System - Poly through coat W/O clear coat
- g. Paint, Chassis Running Gear - Mack Black P3036
- h. Paint, Bumper - Paint bumper same color as chassis running gear
- i. Paint, Fuel Tank - Paint fuel tank same color as chassis running gear
- j. Fuel Tank Paint Process Code - Fuel tank paint process, same as chassis running gear
- k. Front Wheel Paint - Front wheel powder coat, white
- l. Drive Wheel Paint - Drive wheel powder coat, white
- m. Paint: Disc Wheels, Front - W/O paint
- n. Paint: Disc Wheels, Rear - W/O paint
- o. Paint: Demount Rims, Front - W/O paint
- p. Paint: Demount Rims, Rear - W/O paint
- q. Paint: Spoke Wheels, Front - W/O optional spoke wheel paint
- r. Paint: Spoke Wheels, Rear - W/O optional spoke wheel paint
- s. Paint: Hubs and Drums, Front - Same as chassis running gear
- t. Paint: Hubs and Drums, Rear - Same as chassis running gear

#### 20. REAR AXLE EQUIPMENT

- a. Rear Axles - Tandem - S38"R" 38000LB-Mack 17200KG FAB HSNG

- b. Rear Axle Casing Width - Rear axle casing width, std
- c. Lube Pump, Rear Axle - W/O
- d. Carrier, Rear Axle - CRDP 150/151
- e. Rear Axle Ratio - Ratio 3.11, rear axle
- f. Rear Suspension, Tandem - SS38 - Mack multileaf
- g. Springs, Anti-Sway - W/O
- h. Rear Susp. Beam Bushings - Rubber bushings
- i. Bogie Spread, Rear - Bogie spread, 1270mm (50.0")
- j. Suspension Leveling Device - W/O
- k. Air Suspension Dump Warning - W/O
- l. Rear Shock Absorber - W/O, Rear
- m. Transverse Torque Rods, R Susp. - W/O
- n. Brakes, Rear - Bendix ES 165-07D 16.5x7 cast spider
- o. Brake Drums/Rotors, Rear - Cast Iron Brake Drums
- p. Rear Brake ADJ. Manufacture - Rear brake adjustment, automatic Haldex
- q. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- r. Drive Axle Brake Dust Shield - Rear drive brakes W/O dustshields
- s. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- t. Hub Material, Drive - iron preset hub, drive w/ integrated spindle nut
- u. Hub Oil Seal, Drive - Premium hub oil seal, drive
- v. Power Divider Lockout - Power divider lockout, w/ buzzer and light
- w. Lubricants, Rear Axle - Petroleum oil in axle, rear
- x. Rear Spring Insulator Mat'l - Rear spring insulator, rubber
- y. Spring Brake Chambers, Vendor - MGM model TR-T; tamper resistant brake chambers
- a`. Traction Differential - W/O intr-whl/differential options
- aa. Spindle Nuts, Main Axle - Spindle nuts, main axle, integrated
- ab. ABS Sensor and Modulator - ABS 4 sensors and 4 modulators (front and rear axles)
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch) ABS
- ad. Brake Valve Version - Brake valve version, USA Bendix, where possible
- ae. Traction Control Disable - W/O

21. CAB SLEEPER BOX

- a. Side Window Lower - W/O

22. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack rawhide package

23. APPLICATION PACKAGES - GRANITE AB CONFIGURATION PACKAGE

- a. W/O

24. APPLICATION PACKAGES MHD-AF CONFIGURATION PACKAGE

- a. W/O

25. APPLICATION PACKAGES - SPECIAL SALES PACKAGE

- a. Without Special Sales Package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK GU813 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #33**

#### **2017 Mack GU813**

The Mack GU813 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$90,032.28	\$90,032.28	\$90,032.28	\$90,032.28

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU813			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$90,032.28	\$90,032.28	\$90,032.28	\$90,032.28

Order Code	Add Options	All Zones
100AL0 <sup>1</sup>	MP7 - 365HP	\$735.00 <sup>1</sup>
100AR0 <sup>1</sup>	MP8 - 445HP	\$2,644.00 <sup>1</sup>
136AB8 <sup>1</sup>	Mack T313 - 13 speed	\$1,629.00 <sup>1</sup>
	Allison 3000 5spd	NA
136AR6 <sup>1</sup>	Allison 4500 5spd	\$20,535.25 <sup>1</sup>
288AA7 <sup>1</sup>	116 gallon single tank	\$363.00 <sup>1</sup>
290AB0 <sup>1</sup>	Dual 50 gallon tanks	\$495.00 <sup>1</sup>
195AA7 <sup>1</sup>	Meritor - RPL25HD	\$157.00 <sup>1</sup>
240AA7 <sup>1</sup>	Mack FXL 14,600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NC
	Meritor - 40,000 LB	NA
	Mack - 40,000 LB Multileaf	NA
	198" WB	NC
	210" WB	NC
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
241OL1 <sup>1</sup>	Mack Air Disc Brakes	\$1,629.00 <sup>1</sup>
253AB3 <sup>1</sup>	Mack Air Disc Brakes	\$4,557.00 <sup>1</sup>





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - GU712 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #34)</u></a>			
Transource, Inc.	2017 Mack GU-712	★Appalachia	\$84,756.36
Transource, Inc.	2017 Mack GU-712	★Dogwood	\$84,756.36
Transource, Inc.	2017 Mack GU-712	★Cardinal	\$84,756.36
Transource, Inc.	2017 Mack GU-712	★Longleaf Pine	\$84,756.36



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU712 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #34**

2017 Mack GU-712

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. EXHAUST EMISSIONS**

- a. CARB 2008 IDLE Regulation - IDLE Emission Certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover painted steel
- c. DPF Diesel Particulate Filter - Cleartech HHS DPF RH Side Under CAB w/SCR Frame MTD RH Side-US10
- d. Exhaust - No Muffler, Single (R/S) Vertical Straight EXH Stack turned out end, outboard
- e. Exhaust Heat Shield Type - Exhaust Heat Shield Type, Basic
- f. Exhaust Stack Height - Exhaust Stack 3.55 Meter, Height over ground (11'6")
- g. Exhaust System Material Finish - Standard Exhaust System Material Finishing
- h. DEF TANK - 45L/22" DIA Semi Tank Left Side Frame MTD
- i. DEF Tank Cover - DEF Tank Cover, Painted Finish
- j. Exhaust Aftertreatment System - Selective Catalyst Reduction - Diesel Part Filter Ceramic
- k. Emission On Board DIAG Control - Emission OBD, Display Only, USA2016

#### **2. ENGINE/TRANSMISSIONS**

- a. Turbo Family for 2017 - Turbo Single Stage
- b. Engine Package - MP7-325M MACK 325 @ 1500-1900 RPM (PEAK) 2100 RPM (GOVERNED)US' 14 (1200 LB-FT)
- c. Transmission - T310 10 SP-MACK
- d. Pre-View Topography - Without Pre-View Topography
- e. Transmission Electronics - Without Transmission Electornics
- f. Engine Governor Type - Engine Governor Type MIN-MAX

#### **3. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" Single Element Donaldson
- b. Air Intake Source - Air Intake Source, Hood Outside
- c. Bug Screen - Black Alum Mounted Behind Grille
- d. Air Compressor - MERITOR/WASBO 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA)- Standard Fuel Filter Position
- f. Alternator - 12V130A DELCO 24SI (130 AMP)
- g. BATTERIES - 3-12V MACK M/F 31 650 CCA THREADED STUD TYPE
- h. Cooling Performance - Narrow Radiator with Lenght 4 (60 DM2), 41 DEG C ATB, Cooling Capacity
- i. Coolant Protection - TO -34 DEG F
- j. Coolant Filter/Conditioner - with Filter/Conditioner
- k. Fan Drive - GEHR Fan & Electronic Modulating Viscous Fan Drive
- l. Engine Brake - without ENG BRK
- m. Fuel-Water Separator - MACK Integral Includes Manual Drain
- n. Fuel Equipment Water Heater (CA)- without Fuel Heater Equipment
- o. Battery Box - Mounting - RH Under CAB-US10

- p. Battery Box Cover - Basic Battery Box Cover
- q. Battery Disconnect Switch - without Battery Disconnect Switch
- r. Emergency Start Studs - without Emergency Start Studs
- s. Hoses - Radiator/Heater - MACK Brand EPDM Radiator & Heater Hoses
- t. Starter - 12V Standard Starter DELCO 39MTHD
- u. Oil Pan - Oil Pan Steel
- v. Tether Dev Pkg, Caps & Covers - without Tether Device PKG for Caps & Covers
- w. Engine Block Heater - without Engine Block Heater
- x. Engine Oil Pan Heater - without Engine Oil Pan Heater
- y. Engine Starting Aid - without Starting Aid
- a`. Breather Filter - without Breather Filter
- aa. Engine Oil Drain Kit - without Engine Oil Drain Kit
- ab. Battery Shock Pads - without Battery Shock Pads
- ac. Smart Idle Elevated IDLE RPM Time - Increase 10 minute maximum time

#### 4. CLUTCH/TRANS EQUIPMENT

- a. Clutch - Eaton Advantage EZ-Pedal 9-Spring, 2Plate 15.5" Ceramic 6 Paddles, Manual Adjust
- b. Driveline - MAIN - Meritor 18 MXL "XTENDED LUBE"
- c. Clutch Actuation System - Clutch Actuation System, Mechanical, Cable
- d. Lubricants, Transmission - Petroleum Oil in Transmission
- e. Clutch Pedal Pad - Clutch Pedal Pad, Rubber
- f. Transmission Oil Cooler - without Oil Cooler
- g. Transmission Dust Proofing - without Transmission Dust Proofing
- h. Prop Shaft Bearing Guard - without Prop Shaft Bearing Guard
- i. Propellr Shaft Main, UNVSL JNT - Propeller Shaft Main, Universal Joint Half-Round Type
- j. Hill Start Assist - without Hill Start Assist
- k. Bell Housing - Aluminum Bell Housing
- l. Clutch Brake - Clutch Brake, One Piece
- m. Clutch Lube Line - without Lubeline between Release Bearing and Bell Housing
- n. Retarder - without Retarder
- o. Transmission Torque Converter - without Transmission Torque Converter
- p. Transmission Adaptation Ring - without Transmission Adaptation Ring
- q. Gear Shift Lever - Gear Shifting, Basic
- r. Engine Start Condition - without Engine Start Condition
- s. Trans Shift Mode Points - without Trans Shift Mode Points
- t. Transmission Protection - without Transmission Protection
- u. Econo Roll - Econo Roll Disable M-Drive (Required for all other Transmissions)
- v. mDRIVE MACKCELLERATOR - without Transmission Kick-Down Mode

#### 5. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL12 12000 LB-MACK 5400 KG (N/A with Lift Axles)
- b. Springs - Front - 12,000 LB Taperleaf 5400 KG (2-LEAF SPRING)
- c. Front Axle Brakes - MERITOR "S" CAM 16.5"x5 Q Plus Brakes
- d. Brake, Front - Cast Iron Brakedrum, Front Axle
- e. Front Axle Brake Dust Shield - Front Brakes without Dust Shields
- f. Front Brake Chamber MFG - Front Brake Chamber Manufacture, MGM
- g. Front Brake ADJ. Manufacture - Front Brake Adjustment, Automatic Haldex
- h. Front Spring Bias - without Front Spring Bias (Equal Stiffness L/R)
- i. Brake Lining Material Front - Brake Lining material, Front, FED MOGUL ABEX 931-162/R301
- j. HUB Material, Front - Basick Material HUB (Steel/Cast Iron), Front
- k. HUB Oil Seal, Front - FAG Schaeffler, Front HUB Oil Seal
- l. Spindle Nuts, Front - Basic (No Option) Spindle Nuts, Front
- m. Shock Absorber, Front - with Shock Absorber, Front
- n. Steering - SD110 Sheppard
- o. Lubricants, Front Axle - Petroleum Oil in Front Axle
- p. Front Brake Chamber Size - Front Brake Chamber 20SQ Inches (Service)
- q. Brake Regulation - Brake Regulation, Stopping Distance 94M (310 FT)

#### 6. REAR AXLE EQUIPMENT

- a. Real Axle - Single - RA23R 23000 LB-MACK 10400 KG

- b. Rear Axle Casing Width - Real Axle Casing Width, Standard
- c. Lube Pump, Rear Axle - without Lube Pump, Rear Axle
- d. Carrier - Rear Axle - CRD151
- e. Rear Axle Ratio - Ratio 3.11, Rear Axle
- f. Rear Suspension - Single - 23000LB Multileaf 10400KG No Anti Sway
- g. Springs - Anti-Sway - without Anti-Sway
- h. Suspension Levelling Device - without SUSP. LEVELING DEVICE
- i. Air Suspension Dump Warning - without Air Suspension Dump Warning
- j. Rear Shock Absorber - without Rear Shock Absorber
- k. Transverse Torque RODS, R SUSP - without Rear Suspension Transverse Torque ROD
- l. Brakes - Rear - Meritor-CAM 16.5X7 Q Plus
- m. Brake Drums/Rotors - Rear - Cast Iron Brake Drums
- n. Rear Brake ADJ Manufacture - Rear Brake Adjustment, Automatic Haldex
- o. Rear Brake Chamber Size - Rear Brake Chamber 30/30 SQ Inches (Service/Emergency)
- p. Drive Axle Brake Dust Shield - Rear Drive Brakes without Dust Shields
- q. Brake Lining Material Drive - Brake Lining Material, Drive, FED Mogul Abex 931-162/R301
- r. HUB Material, Drive - Iron Preset HUB, Drive, w/Integrated Spindle Nut
- s. HUB Oil Seal, Drive - Premium HUB Oil Seal, Drive
- t. Power Divider Lockout - without Power Divider
- u. Lubricants, Rear Axle - Petroleum Oil in Rear Axle
- v. Spring Brake Chambers - Vendor - MGM Model TR-T; Tamper-Resistant Brake Chambers
- w. Traction Differential = without INTR-WHL/DIFFRNTL OPTNS
- x. Spindle Nuts, Main Axle - Spindle Nuts, Main Axle, Integrated
- y. ABS Sensor & Modulator - ABS 4 Sensors & 4 Modulators (Front & Rear Axles)
- a`. Anti-Lock Brake System - Bendix KB ABS; w/Auto Trac Control; W/Dash SW
- aa. Brake Valve Version = Brake Valve Version, USA-Bendix, Where Possible
- ab. Traction Control Disable - without Traction control Disable

#### 7. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - without Option Center Support

#### 8. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 187"
- b. AF (Overhang) - 57"
- c. Frame Rails - Steel - 300MMx90MMx7mm - (11.81' x3.54)
- d. Frame Inner Liner - without Liner
- e. Frame Outer Liner (CA)- without Frame Outer Liner
- f. Front Frame Ext. (Bolted On) - without Front Frame Extension, Bolted On
- g. Front Frame Length - Front Frame Length 725MM
- h. Crossmembers - BOC and Intermediate(s)= Steel HD Back-to-Back Channel
- i. Frame Rail Free Space - without Frame Rail Clearance
- j. Fuel Tank Polish Option - without Fuel Tank Polish Option
- k. Rear Crossmember Options - Rear Crossmember, Straight Frame End (Basic)
- l. Rear Frame Treatment - Straight Cut Treatment, Rear Frame
- m. Mudflap Hangers, Rear Axle - without Mudflap Hanger, Rear Axle
- n. Mudflap Type, Rear Axle - without Rear Mudflap
- o. Mudflap, Front Axle - Basic Mudflap, Front Axle
- p. Front Bumper - Bumper, Painted Steel
- q. Guard, Under Engine Bayt - without Guard
- r. Aux Crossm, In Rear Overhang - without Auxiliary Crossmember in Rear Hangover
- s. Towing Device, Front - Two Clevis Towing Device, Front
- t. Towing Coupling - without Towing Coupling
- u. Towing Device, Rear - without Towing Devices, Rear
- v. Fuel Tank - LH - 50 GAL Steel (190 Liters) 22IN (560MM)
- w. Fuel Level Sender Unit, Liquid - Basic Fuel Level Sender Mounted on LH Tank
- x. Fuel Tank - RH - Omit RH Fuel Tank
- y. Toolbox Chassis - without Toolbox Chassis
- a`. Filler Neck Screens - w/o Filler Neck Screen w/o SUMP
- aa. Fuel Line Options, Liquids - Fuel Line Option, Single
- ab. Fuel Tank Cap - Non-lockable Fuel Tank Cap
- ac. Steps (Bright) - Fuel Tank - w/o Bright Finish Steps and Straps Package

- ad. Fuel Fill System, Liquid - Fuel Fill System, Basic
- ae. Quarter Fenders - w/o Rear Axle Fenders
- af. Isolate Tank From Fuel System - without Isolate Tank

#### 9. AIR/BRAKE

- a. Air Dryer - Manufacturer - WABCO Air Dr, 1200UP W/T Cut Off Valve, W Coalesc Oil Filter
- b. Airtank Drain Valve - Petcock Drain Valve, On Brake Sys Tanks
- c. Airtank Material - Steel Airtank
- d. Air Dryer Position (CA) - Air Dryer Position Standard
- e. Park Brake Alarm (CA) - without Park Brake Alarm
- f. Parking Brake Valve - Parking Brake Valve, 1 Yellow Knob, All Parking
- g. Relocated Air Reservoirs - w/o Relocated Air Reservoirs
- h. Auxiliary Airtank - without AUX. Airtank

#### 10. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis Wiring Harness Casing, Basic
- b. Auxiliary Pneumatic Outlet Cab - without Auxiliary Pneumatic Outlet, in Cab
- c. Auxiliary Spotlight (CA) - without Auxiliary Spotlight
- d. Parking Brake Lighting - without Parking brake Lighting
- e. Dash Panel Box - Dash Panel Clip and Cell Phone Holder
- f. Back-up Alarm - without Back-up Alarm
- g. Aux. Fog Lamp - without Fog Lamp
- h. Auxiliary Lamps - without Auxiliary Lamps
- i. Tail Lamps - Tail Lamp, Multipurpose
- j. Dash Mounted Switches - without Aux. Switch Wiring
- k. Marker/Directional Signal - w/o marker/Directional Signal Option
- l. Daytime Running Lights - RL when ENG Running, Park Brake Off
- m. Warning Lamp - without Warning Lamp

#### 11. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA)- without Fifth wheel Angles
- b. 5th Wheel Angle Thickness - without 5th Wheel Angle Thickness
- c. Trailer Glad Hand Couplings - without Brake Connection
- d. Trailer Brake Valve - without Trailer Brake Valve
- e. Trailer Connection Position - without Trailer Connection Position
- f. Electrical Recept, AUX Power - without Electrical Recept. AUX Power
- g. Trailer Electrical Recept - without Trailer Electrical Recept
- h. Trailer Hookup Light - without CAB MTD Trailer Hookup Lamp

#### 12. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - without Hydraulic Pump
- b. Front Body Attachment - without Front Body Attachment
- c. Frame Modifications - No Frame Modifications Provided
- d. Certified Weight - Customer Guaranteed Weight, Must be Certified Weight
- e. Rust Protection Additional (CA)- without Transp. Rust Protection
- f. AUX Transmission Cooler (CA) - without Auxiliary Transmission Cooler
- g. Rear Engine PTO - w/o Rear Engine PTO
- h. PTO Trans Neutral Contrl Check - without PTO Transmission Neutral Control Check
- i. Power Take Off Control - without Power Take Off Control
- j. Crankshaft Adapter - w/o Front End PTO Drive
- k. Bulk Unloading Adaptation - without Bulk Unloading Adaptation
- l. Body Builder Interface - Body Link2 W CAB Pass Thru
- m. Unique Decals Machine Directiv (CA)- without Decals
- n. PTO Trans Side, Free Space - without PTO Transmission Side, Free Space
- o. PTO - Rear Mounted - w/o Rear MTD PTO - (non-M-Drive)

#### 13. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air Intake Grille, Gray

- c. Air Restriction Indicator - without Air Restriction Indicator
- d. Antenna - Satellite - without Satellite Antenna
- e. Ashtray - Ashtray
- f. Audio Shutoff - without CAB Auxiliary Fan
- g. Audio Speaker Location - Speaker Location, Behind Doors, Middle High Side Panel
- h. Bug Deflector - Windscreen - without Bug Deflector
- i. CAB INSTEP Version - CAB STEP Version Basic
- j. CAB Auxiliary Fan - without CAB Auxiliary Fan
- k. CAB Glass - Tinted Windshield, Side Windows, & Rear Window
  - l. CAB PEEP WINDOW - without Peep Window
- m. CIGARLIGHTER - Cigar Lighter
- n. Dash Indicator - Lamp Body Out of POS - without Dash Indicator Lamp
- o. Dome Lamp, Interior - Dome Lamp, Interior, 2 Each Side, Switches Included
- p. Door Storage Compartment - without Door Storage Compartment
- q. Front Wheel Opening - Basic Front Wheel Opening
- r. Fire Extinguisher - w/o Fire Extinguisher Option
- s. Floor Covering - Polyurethane Floor Mat
- t. Gauge - Ambient Temperature - without Gauge, Ambient Temperature
- u. Time Counter (CA) - without Time Counter
- v. Gauge - Odometer - No Hubodometer Provided
- w. Gauge - Oil Temp-Rear Axle - without Axle Oil Temp Gauge
- x. Gauge - Packages - STD PIKG + ENG OIL TEMP, Transm Oil Temp & Exh Pyrometer
- y. Gauge - Unite of Measure - U.S. Units (Predominant)
- a`. Grab Handles - BF Exterior Cab Grab Handles, BL Grab Handle RH Interior Windshield Post
- aa. Grille - Silver Painted Grille w/o Grille Surround

#### 14. CAB (H THRU R)

- a. Headliner Material - Headliner, Vinyl
- b. Hood Hatch - without Hood Hatch
- c. Hood Latch Finish - Hood Latch Finish, Black
- d. Horn - Air - w/o Air Horn
- e. Horn - Electrical - 1 Single Electric Horn Single Tone
- f. INSTMT Cluster Display - Co-Pilot DRVR DISP Enhanced 4.5" DIAG LCD DISP w/4 Button Stalk Control; DIAG DISP Basic
- g. Dashboard - Basic Dash-Board
- h. Interior Trim Levels - Purebred Sandstone
  - i. Keyed Alike Chassis - All Chassis Keyed at Random - 2 Keys
  - j. Door Opening Options - Door Opening Option, Manual
- k. Mirrors - Convex Type CAB Doors - Bright Finish (LH & RH) 8.0" DIA
  - l. Mirror - Convex Hood & Fender - w/o Convex Hood Mirrors
- m. Mirrors - Exterior - Bulldog-BG FIN
- n. Mirrors - Heated Timeout (CA)- without Heated Mirror Time-out
- o. Mirrors-Proximity - without Proximity Mirror
- p. Forward Overhead Storage - FRWRD OVRHD STG, 2 STG COMPMNT w/NET, 1 Radio SHLF CNTR
- q. Personalized Name Plate - without Personalized name Plate
- r. CAB Guard, Front - without CAB Guard
- s. Audio Accommodation - w/o Radio or Radio Accommodation Package
- t. Antenna - Radio - without Antenna, Radio
- u. Antenna - CB Radio - without Antenna, CB Radio
- v. Power Leads - Power LEad, 5Way Type, Headliner MTD
- w. Communication Radio - without Communication Radio
- x. COM. Radio Prep Kit (CB)- CB Mounting, Overhead Comp, Mount Plate Removable
- y. Rear Cab Suspension - Rear Cab Suspension, Air
- a`. Auxiliary Rear Window - with Aux. Rear Window - Fixed
- aa. Reflector Kit - without Reflector Kit Option
- ab. Roof Hatch or Cooler - without Roof Hatch
- ac. Roof Marker Light - Roof Light, Non Specified Manufacturer, Curved Model
- ad. Rear Wall Storage Compartment - without Rear Wall Storage Compartment

#### 15. CAB (S THRU Z)

- a. Seat - Driver's - Air-Bostrom Talladega 915 (MID BACK)

- b. Seat - Passenger's - Fixed-Mack (Mid-Back)
- c. Seat Armrest - Seat Armrest Single, Driv (Driver Seat Only)
- d. Seat Belt(s)- Lap & Shoulder (Both Seats) to be Orange in Color
- e. Seat Belt Reminder (CA)- without Seat Belt Reminder
- f. Seat Covering - All Vinyl, Cab Interior Dependent Color, Driver & Rider Seats
- g. Seat Support, Dust Cover - without Seat Support, Dust Cover
- h. Ignition Type - Ignition Type, Key
  - i. Steering Wheel - 2 Spoke Urethane Grip, Charcoal Spokes, w/o Switches
  - j. Sun Visor - Exterior - w/o Exterior Sun Visor
- k. Sun Visor - Interior - Internal Sunvisor Front, Basic (No Mirror), Both Sides
  - l. Turn Signals - Non Cancelling Turn Signal
- m. Wash Reservoir Position - Washer Reservoir Basic Position
- n. Window Controls - Roll-up LH&RH-Crank Operated
- o. Windshield Type - Splitted Windscreen
- p. Windshield Wipers - Two Speed Electric Motor w/Intermittent Feature
- q. Work Lights - Chassis Mounted - without work Light, Chassis Mounted

#### 16. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - w/o Provisions for Aero Aids

#### 17. WHEELS & TIRES

- a. Tires Brand/Type- Front - 11R22.5 H Bridgestone R283A ECOPIA (Total for QTY=2)
- b. Tire Speed Limit - Tire Speed Limit Basic
- c. Wheels - Front - 22.5x8.25 STL DISC 11.25 BC. Accuride ACCU-LITE 10-HOLEHP (2 Hand Holes) P/N 50408 (Total for QTY=2)
- d. Wheel Finishing, Front - without Wheel Finishing Front
- e. Front Axle Tire & Wheel Quantity - Two Front Tires & Wheels
- f. Tires Brand/Type - Rear - 11R22.5 H Bridgestone R283A ECOPIA (Total for QTY=4)
- g. Wheels - REAR - 22.5 x 8.25 STL DISC 11.25 BC. ACCURIDE ACCU-LITE 10-HOLE HP (2 Hand Holes) P/N 50408 (Total for QTY=4)
- h. Rear Wheel Rim Clamp - without Rear wheel Rim Clamp
  - i. Rear Disc Wheel - Polish - w/o RR Disc WHL-BRIGHT Finish
- j. Rear Axle Tire & Wheel Quantity - Four Rear Axle Tires & Wheels
- k. Wheels Studs (CA)- Wheel Studs Basic Length
  - l. Hub/Wheel Isolator Drive - without Hub/Wheel Isolator Drive
- m. Hub/Wheel Isolator Front - without Hub/Wheel Isolator Front
- n. Wheel Nut & Finish, Front - Wheel Nut & Finish Basic, Front
- o. Wheel Nut Finish, Rear (CA)- Wheel Nut Basic Finish, Rear
- p. Tire Inflation Valve - Tire Inflation Valve, Standard
- q. Spare Wheel - without Spare Wheel
- r. Spare Wheel Carrier, POS - without Spare Wheel Carrier
- s. Hydraulic Jack - w/o Hydraulic Jack

#### 18. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single Color w/out Design
- b. Paint Color - Area A - Mack White 08282PP; P9188
- c. Paint Type - Solid Paint
- d. Paint Color - Area B - w/o Area B Paint Color
- e. Paint Color - Area C - w/o Area C Paint Color
- f. Paint Cab Paint System - Poly Through Coat w/o Clear Coat
- g. Paint - Chassis Running Gear - Mack Black; P3036
- h. Paint: Bumper - Paint Bumper Same Color as Chassis Running Gear
  - i. Paint: Fuel Tank - Paint Fuel Tank Same Color As Chassis Running Gear
  - j. Fuel Tank Paint Process Code - Fuel Tank Paint Process, Same as Chassis Running Gear
- k. Front Wheel Paint - Front Wheel Powder Coat, White
  - l. Drive Wheel Paint - Drive Wheel Powder Coat, White
- m. Paint: Disc Wheels - Front - without Paint
- n. Paint: Disc Wheels - Rear - without Paint
- o. Paint: Demount. Rims - Rear - without Paint
- p. Paint: Spoke Wheels-Front - w/o Optional Spoke Wheel Paint

- q. Paint: Spoke Wheels-Rear - w/o Optional Spoke Wheel Paint
- r. Paint: HUBS & DRUMS - Front - Same as Chassis Running Gear
- s. Paint: HUBS & DRUMS - Rear - Same as Chassis Running Gear

19. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack Rawhide Package

20. APPLICATION PACKAGES - MHD - AF CONFIGURATION PACKAGE

- a. Without MHD Configuration Package

21. APPLICATION PACKAGES - GRANITE AF CONFIGURATION PACKAGE

- a. Without Granite AF Configuration Package

22. APPLICATION PACKAGES - SPECIAL SELLS PACKAGE

- a. Without Special Sells Package





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU712 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #34**

#### **2017 Mack GU-712**

The Mack GU-712 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$84,756.36	\$84,756.36	\$84,756.36	\$84,756.36

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU-712			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$84,756.36	\$84,756.36	\$84,756.36	\$84,756.36

Order Code	Add Options	All Zones
100AL0 <sup>1</sup>	MP7-365HP	\$735.00 <sup>1</sup>
100AR0 <sup>1</sup>	MP8-445HP	\$2,644.00 <sup>1</sup>
136AB8 <sup>1</sup>	Mack T313-13 Speed	\$1,629.00 <sup>1</sup>
	Allison 3000 5spd	NA
136AR6 <sup>1</sup>	Allison 4500 5spd	\$20,535.25 <sup>1</sup>
288AA7 <sup>1</sup>	116 gallon single tank	\$363.00 <sup>1</sup>
290AB0 <sup>1</sup>	Dual 50 gallon tanks	\$495.00 <sup>1</sup>
195AA7 <sup>1</sup>	Meritor - RPL25HD	\$157.00 <sup>1</sup>
240AA7 <sup>1</sup>	Mack FXL 14, 600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NC
	Meritor - 40,000 LB	NA
	Mack - 40,000 lb multileaf	NA
	198" WB	NC
	210" WB	NC
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
	Mack Air Disc Brakes	NA
	Mack Air Disc Brakes	NA



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - GU713 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #35)</u></a>			
Transource, Inc.	2017 Mack GU 713	★Appalachia	\$90,112.45
Transource, Inc.	2017 Mack GU 713	★Dogwood	\$90,112.45
Transource, Inc.	2017 Mack GU 713	★Cardinal	\$90,112.45
Transource, Inc.	2017 Mack GU 713	★Longleaf Pine	\$90,112.45



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU713 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #35**

2017 Mack GU 713

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE INFORMATION**

- a. Chassis (Base Model) - GU813 R - 6x4 Daycab
- b. Customer Fleet Size - Dealer fleet with less than 25 vehicles in own fleet of any vehicle brand
- c. Initial Registration Location - Any state exc. California or Hawaii (US14)
- d. Road Condition - Well maintained surfaced roads > 95% driving distance
- e. Vehicle Use and Body/trailer Type - Refuse Rear Loader Truck
- f. Gross Combination Weight - Truck only - no trailer towing provisions provided
- g. Topography - Grades 98% of driving distance max grade 16%
- h. Ambient Temp Upper Limit (GTA) - Amb temp hot, up to +40C, warmer allowed 25h/year
- i. Terrain Grade - On-Off highway, starting grades
- j. Loading Surface - Concrete loading and/or unloading surface
- k. Vehicle Vocation - Pickup and delivery / short haul service

#### **2. ENGINE**

- a. Turbo Family for 2017 - Turbo single stage
- b. Engine Package - MP7- 325M Mack 325 @ 1500-1900 RPM (peak) 2100 RPM (governed) US'14, (1200 lb-ft)
- c. Engine Governor Type Min-Max

#### **3. TRANSMISSION**

- a. Transmission - T310 10 SP - Mack
- b. Without transmission electronics

#### **4. EXHAUST/EMISSIONS**

- a. CARB 2008 Idle Regulation - Idle emission certification, CARB 08 (with decal located on lower LH corner/driver door)
- b. DPF Cover - DPF Cover, painted steel
- c. DPF Diesel Particulate Filter - CLeartech HHS DPF RF side under cab w/scr frame mtd rh side - US 10
- d. Exhaust - No muffler, single (R/S) vertical straight exh stack turned out end, outboard
- e. Exhaust Heat Shield Type - Exhaust heat shield type, basic
- f. Exhaust Stack Height - Exhaust stack 3.55 metre, height over ground (11'6")
- g. Exhaust System Material Finish - Standard exhaust system material finishing
- h. Def Tank - 45L/22" Dia semi tank left side frame mtd
- i. Def Tank Cover - Def tank cover, painted finish
- j. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. filter ceramic
- k. Emission on Board Diag. Control - Emission OBD. display only, USA2016

#### **5. ENGINE EQUIPMENT**

- a. Air Cleaner - 11" single element Donaldson

- b. Air Intake Source - Air intake source, hood outside
- c. Bug Screen - black aluminum mounted behind grille
- d. Air Compressor - Meritor/Wabco 318 (18.7 CFM)
- e. Primary Fuel Filter Position (CA) - Standard fuel filter position
- f. Alternator - 12V130A Delco 24SI (130 AMP)
- g. Batteries - 3-12V Mack M/F 31 650 CCA Threaded stud type
- h. Cooling Performance - Narrow radiator with length 4 (60 DM2), 41 DEG C ATB, cooling capacity
- i. Coolant Protection - to -34 deg f
- j. Coolant Filter/Conditioner - with filter/conditioner
- k. Fan Drive - Behr fan and electronic modulating viscous fan drive
- l. Engine Brake - w/o Engine Brake
- m. Fuel - Water Separator - Mack integral includes manual drain
- n. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- o. Battery Box Mounting - RH behind SCR - US10
- p. Battery Box Cover - Basic battery box cover
- q. Battery Disconnect Switch - W/O battery disconnect switch
- r. Emergency Start Studs - Without emergency start studs
- s. Hoses - Radiator/Heater - mack brand EPDM radiator and heater hoses
- t. Starter - 12V standard starter Delco 39MTHD
- u. Oil Pan - Oil pan steel
- v. Tether Dev. Package, Caps and Covers - Without tether device package for caps and covers
- w. Engine Block Heater - without engine block heater
- x. Engine Oil Pan Heater - Without engine oil pan heater
- y. Engine Starting Aid - W/O
- a`. Breather Filter - Without breather filter
- aa. Engine Oil Drain Kit - Without engine oil drain kit
- ab. Battery Shock Pads - Without battery shock pads
- ac. Smart Idle Elevated Idle RPM Time - Increase 10 minute maximum time
- ad. Engine Brake Lighting (CA) - Brake lighting, basic

#### 6. CLUTCH/TRANSMISSION EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 9 spring, 2 plate 15.5" ceramic 6 paddles, manual adjust
- b. Driveline - Main - Meritor 18 MXL"XTENDED LUBE"
- c. Driveline - Interaxle - MERITOR 17 MXL"XTENDED LUBE"
- d. Clutch Actuation System - Clutch actuation system, mechanical, cable
- e. Lubricants, Transmission - Petroleum oil in transmission
- f. Clutch Pedal Pad - Clutch pedal pad, rubber
- g. Transmission Oil Cooler - Without oil cooler
- h. Transmission Dust Proofing - Without transmission dust proofing
- i. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- j. Prop Shaft Interaxle Univ. Joint - prop shaft interaxle, univ joint half-round type
- k. Propeller Shaft Main, Universal Jnt. - Propeller shaft main, universal joint half-round type
- l. Hill Start Assist - Without hill start assist
- m. Bell Housing - Aluminum bell housing
- n. Clutch Brake - Clutch brake, one piece
- o. Clutch Lube Line - Without lubeline between release bearing and bell housing
- p. Retarder - Without retarder
- q. Transmission Torque Converter - W/O transmission torque converter
- r. Transmission Adaptation Ring - W/O transmission adaptation ring
- s. Gear Shift Lever - Gear Shifting, Basic
- t. Engine Start Condition - Without engine start condition
- u. Trans Shift Mode Points - W/o trans shift mode points
- v. Transmission Protection - Without transmission protection
- w. Econo Roll - Econo roll disable M-drive (required for all other transmissions)
- x. mDrive Mackcellerator - Without transmission kick-down mode

#### 7. FRONT AXLE EQUIPMENT

- a. Front Axle - FXL 12 12,000 Lb - Mack 5400 KG (N/a with lift axles)
- b. Front Axle Spread - W/O
- c. Vehicle Prep - W/O vehicle prep, additional
- d. Additional Axles - Axles

- e. Springs - Front - 12,000 LB taperleaf 5400 kg (2 leaf spring)
- f. Brake, Front - Cast Iron brakedrum, front axle
- g. Front Axle Brakes - bendix ES\_165-06D 16.5 x 5 cast spider
- h. Front Axle Brake Dust Shield - Front brakes W/O dust shields
- i. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- j. Front Brake ADJ. MFG. - Front Brake Adjustment, Automatic Haldex
- k. Front Spring Bias - without Front Spring BIAS (EQUAL STIFFNESS L/R)
- l. Brake Lining Material Front - Brake Lining Material Front, Eaton EES-600
- m. Hub Material, Front - Basic material hub (steel/cast iron), front
- n. Hub Oil Seal, Front - Fag Schaeffler, front hub oil seal
- o. Spindle Nuts, Front - Basic (no option) spindle nuts, front
- p. Shock Absorber, Front - With shock absorber, front
- q. Steering - SD110 Sheppard
- r. Lubricants, Front Axle - petroleum oil in front axle
- s. Front Brake Chamber Size - Front brake chamber 20sq inches (service)
- t. Brake Regulation - Brake regulation, stopping distance 94M (310ft)

#### 8. PUSHER/TAG AXLE EQUIPMENT

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheelbase - 216"
- b. AF (Overhang) - 71"
- c. Frame Rails - Steel - 300MM x 90MM x 8MM -- (11.81" x 3.54" x 0.31")
- d. Frame Inner Liner - Without liner
- e. Frame Outer Liner (CA) - Without frame outer liner
- f. Front Frame Ext. (bolted on) - W/O Front Frame Extension, Bolted on
- g. Front Frame Length - Front frame length - 725MM
- h. Crossmembers - Boc and intermediate (s) = steel HD back to back channel
- i. Frame Rail Free Space - W/O frame rail clearance
- j. Fuel Tank Polish Option - W/O fuel tank polish option
- k. Rear Crossmember Options - Rear crossmember, straight frame end (basic)
- l. Rear Frame Treatment - Straight cut treatment, rear frame
- m. Mudflap Hangers, Rear Axle - Without mudflap hangers, rear axle
- n. Mudflap, Front Axle - Basic Mudflap, Front Axle
- o. Front Bumper - Bumper, Painted Steel
- p. Guard, Under Engine BAYT - Without guard
- q. Aux. Crossm. in Rear Overhang - 1 aux crossmember, single channel
- r. Towing Device, Front - Two Clevis Towing Device, Front
- s. Towing Coupling - Without towing coupling
- t. Towing Device, Rear - Without towing devices, rear
- u. Fuel Tank, LH - 50 gallon steel (190 liters) 22" (560 mm)
- v. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on LH tank
- w. Fuel Tank, RH - Omit RH fuel tank
- x. Toolbox Chassis - W/O toolbox chassis
- y. Filler Neck Screens - W/O filler neck screen w/o sump
- a`. Fuel Line Options Liquid - Fuel line option, single
- aa. Fuel Tank Cap - Non-lockable fuel tank cap
- ab. Steps (bright) Fuel Tank, W/O bright finish steps and straps package
- ac. Fuel Fill System, Liquid - Fuel fill system, basic
- ad. Quarter Fenders - W/O rear axle fenders
- ae. Isolate Tank from Fuel System - W/O isolated tank
- af. Crossmember, Bogie Type - Crossmember, Bogie, basic type
- ag. Intermed XMBR Exclusion Zone - W/O

#### 10. AIR/BRAKE

- a. Air Dryer, Manufacturer - Wabco Air Dr., 1200 Up W/ T Cut Off Valve, W Coalesc oil filter
- b. Airtank Drain Valve - petock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Air Dryer Position (CA) - Air dryer position standard

- e. Park Brake Alarm (CA) - Without park brake alarm
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Relocate Air Reservoirs - W/O relocated air reservoirs
- h. Auxiliary Airtank - W/O aux. airtank
- i. Trailer Access Package - W/O rear deck

#### 11. ELECTRICAL

- a. Chassis Wiring Harness Casing - Chassis wiring harness casing, basic
- b. Auxiliary Pneumatic Outlet Cab - W/O auxiliary pneumatic outlet, in cab
- c. Auxiliary Spotlight (CA) - Without auxiliary spotlight
- d. Parking Brake Lighting - W/O parking brake lighting
- e. Dash Panel Box - Dash panel clip and cell phone holder
- f. Back-Up Alarm - W/O back up alarm
- g. Aux. Fog Lamp - W/O fog lamp
- h. Auxiliary Lamps - W/O auxiliary lamps
- i. Tail Lamps - Tail lamp, multipurpose
- j. Dash Mounted Switches - W/O aux. switch wiring
- k. Marker/Directional Signal - W/O marker/directional signal option
- l. Daytime Running Lights - DRL when engine running, park brake off
- m. Warning Lamp - W/O warning lamp

#### 12. TRAILER CONNECTIONS

- a. Fifth Wheel Angle Material (CA) - W/O fifth wheel angles
- b. Fifth Wheel Angle Thickness - W/O fifth wheel angle thickness
- c. Trailer Glad Hand Couplings - W/O brake connection
- d. Trailer Brake Valve - W/O trailer brake valve
- e. Trailer Connection Position - W/O trailer connection position
- f. Trailer Electrical Recept. - W/O trailer electrical recept
- g. Trailer Hookup Light - W/O cab mtd trailer hookup lamp
- h. 5th Wheel Offset - Without Fifth Wheel Offset

#### 13. PTO/SPECIALTY EQUIPMENT

- a. Hydraulic Pump - W/O hydraulic pump
- b. Front Body Attachment - W/O front body attachment
- c. Frame Modifications - No frame modifications provided
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection Additional (CA) - W/O transp. rust protection
- f. Aux. Transmission Cooler (CA) - W/O auxiliary transmission cooler
- g. Rear Engine PTO - W/O rear engine PTO
- h. PTO Trans Neutral Control Check - W/O PTO transmission neutral control check
- i. Power Take Off Control - W/O power take off control
- j. Crankshaft Adapter - W/O front end PTO drive
- k. Bulk Unloading Adaptation - W/O bulk unloading adaptation
- l. Body Builder Interface - Body link3 W cab pass thru
- m. Unique Decals Machine DirectIV (CA) - W/O decals
- n. PTO Trans Side, Free Space - W/O PTO transmission side, free space
- o. PTO, Rear Mounted - W/O Rear MTD PTO - (non-M-drive)
- p. Transport Adaptation - Uniform load no adaptation
- q. Collision Warning System - W/O
- r. ACC Time GAP Configuration Setting - W/O
- s. Transport Adaptation - Uniform Load No Adaptation

#### 14. CAB (A THRU G)

- a. Air Conditioning/Heater - Blend Air HVAC
- b. Air Intake Grille, Finish - Air intake grille, gray
- c. Air Restriction Indicator - W/O air restriction indicator
- d. Antenna, Satellite - W/O satellite antenna
- e. Ashtray
- f. Audio Shutoff - W/O automatic audio shutoff
- g. Audio Speaker Location - Speaker location, behind doors, middle high side panel

- h. Bug Deflector, Windscreen - W/O bug deflector
- i. Cab Aux. Fan - W/O cab aux. fan
- j. Cab Instep Version - Cab step version basic
- k. Cab Glass - Tinted windshield, side windows, and rear window
- l. Cab Peep Window - W/O
- m. Cigar Lighter
- n. Dash Indicator, Lamp Body Out of POS - W/O dash indicator lamp
- o. Dome Lamp, Interior - Dome lamp, interior, 2 each side, switches included
- p. Door Storage Compartment - W/O door storage compartment
- q. Front Wheel Opening - Basic front wheel opening
- r. Fire Extinguisher - W/O fire extinguisher
- s. Floor Covering - Polyurethane floor mat
- t. Gauge, Ambient Temperature - W/O gauge, ambient temperature
- u. Time Counter (CA) - W/O time counter
- v. Gauge, Odometer - No hubodometer provided
- w. Gauge, Oil Temp., Rear Axle - W/O axle oil temp. gauge
- x. Gauges, Packages - Std package plus engine oil temp, transmission oil temp and exh pyrometer
- y. Gauges, Unit of Measure - U.S. Units (predominant)
- a`. Grab Handles - BF exterior cab grab handles, BL grab handle RH interior windshield post
- aa. Grille - Silver painted grille W/O grille surround
- ab. CAB INSTEP VERSION - Cab Step Version Basic

#### 15. CAB (H THRU R)

- a. Headliner Material - Headliner, vinyl
- b. Hood Hatch - W/O hood hatch
- c. Hood Latch Finish - Hood latch finish, black
- d. Horn, Air - W/O
- e. Horn, Electrical - 1 single electric horn single tone
- f. Instrument Cluster Display - Co-pilot DRVR disp enhanved 4.5" diag. LCD display w/4 button stalk control, diag. disp. basic
- g. Dashboard - Basic dashboard
- h. Interior Trim Levels - Purebred sandstone
- i. Keyed Alike Chassis - All chassis keyed at random - 2 keys
- j. Door Opening Options - Door opening option, manual
- k. Mirrors, Convex Type Cab Doors - Bright finish (LH and RH) 8.0" dia.
- l. Mirror, Convex Hood and Fender - W/O convex hood mirrors
- m. Mirrors, Exterior - Bulldog - BR Fin
- n. Mirrors Heated Timeout (CA) - W/O heated mirror timeout
- o. Mirrors, Proximity - W/O proximity mirror
- p. Forward Overhead Storage - Forward overhead storage, 2 STG comprmnt. w/net, 1 radio shelf center
- q. Personalized Name Plate - W/O personalized name plate
- r. Cab Guard, Front - W/O cab guard
- s. Audio Accommodation - W/O pkg
- t. Antenna, Radio - W/O
- u. Antenna CB Radio, W/O antenna, CB radio
- v. Power Leads - Power Lead, 5 way type, headliner MTD
- w. Communication Radio - W/O communication radio
- x. Com. Radio Prep Kit - CB mounting, overhead comp., mount plate, removable
- y. Rear Cab Suspension- Rear cab suspension, air
- a`. Auxiliary Rear Window - With auxiliary rear window, fixed
- aa. Reflector Kit - W/O reflector kit option
- ab. Roof Hatch or Cooler - W/O roof hatch
- ac. Roof Marker Light - Roof light, non specified manufacturer, curved model
- ad. Rear Wall Storage Compartment - W/O
- ae. Permit Plate - W/O (for legal perm adhesives)

#### 16. CAB (S THRU Z)

- a. Seat, Drivers - Air Bostrom Talladega 915 (mid black)
- b. Seat, Passenger - Fixed - Mack
- c. Seat Armrest - Seat armrest single, drive (driver seat only)
- d. Seat Belt(s) - Lap and Shoulder both seats to be in color orange



- e. Seat Belt Reminder (CA) - W/O seat belt reminder
- f. Seat Covering - All vinyl, cab interior dependent color, driver seat only
- g. Seat Support, Dust Cover - W/O seat support, dust cover
- h. Ignition Type - Ignition type, key
- i. Steering Wheel - 2 spoke urethane grip, charcoal spokes, W/O switches
- j. Sun Visor, Interior, Front - Internal sunvisor front, basic (no mirror) both sides
- k. Sun Visor, Exterior - W/O exterior sun visor
- l. Turn Signals - Non cancelling turn signal
- m. Washing Reservoir Position - Washer reservoir basic position
- n. Window Controls - Roll-Up LH and RH crank operated
- o. Windshield Type - Split windscreen
- p. Windshield Wipers - Two speed electric motor w/intermittent feature
- q. Work Lights - Chassis Mounted - W/O work light, chassis mounted

#### 17. AERODYNAMIC DEVICES

- a. Roof Fairing/Side Shields - W/O provisions for aero aids

#### 18. WHEELS AND TIRES

- a. Tires Brand/Type Front - 11R 22.5 H Bridgestone R283A Ecopia (total for Qty = 2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels, Front - 22.5 x 8.25 stl disc 11.25 bc accuride accu-lite 10 hole hp (2 hand holes) p/n 50408 (total for qty = 2)
- d. Wheel Finishing, Front - W/O
- e. Front Axle Tire and Wheel Quantity - Two front tires and wheels
- f. Tires Brand/Type, Rear - 11R 22.5 H Bridgestone R283A Ecopia (total for qty = 8)
- g. Wheels, Rear - 22.5 x 8.25 stl disc Unimnt 10 Hayes Lemmerz #95041 2 Hand Hole WGT Reduced (Total for QTY=8)
- h. Rear Wheel Rim Clamp - W/O rear wheel rim clamp
- i. Rear Disc Wheel: Polish - W/O RR Disc Whl-Bright Finish
- j. Rear Axle Tire and Wheel Quantity - Eight rear axle tires and wheels
- k. Wheel Studs (CA) - Wheel studs basic length
  - l. Hub/Wheel Isolator, Front - W/O hub/wheel isolator, front
- m. Hub/Wheel Isolator, Drive - W/O hub/wheel isolator, drive
- n. Wheel Nut and Finish Front - Wheel nut and finish basic, front
- o. Wheel Nut Finish, Rear (CA) - Wheel nut basic finish , rear
- p. Tire Inflation Valve - Tire Inflation valve, standard
- q. Spare Wheel - W/O spare wheel
- r. Spare Wheel Carrier, POS - W/O spare wheel carrier
- s. Hydraulic Jack - W/O hydraulic jack

#### 19. PAINT

- a. Paint/Vinyl Striping - Cab Exterior - Single color without design
- b. Paint Color, Area A - Mack white 08282PP; P9188
- c. Paint Type - Solid paint
- d. Paint Color Area B - W/O area b paint color
- e. Paint Color Area C - W/O area c paint color
- f. Paint, Cab Paint System - Poly through coat W/O clear coat
- g. Paint, Chassis Running Gear - Mack Black P3036
- h. Paint, Bumper - Paint bumper same color as chassis running gear
- i. Paint, Fuel Tank - Paint fuel tank same color as chassis running gear
- j. Fuel Tank Paint Process Code - Fuel tank paint process, same as chassis running gear
- k. Front Wheel Paint - Front wheel powder coat, white
  - l. Drive Wheel Paint - Drive wheel powder coat, white
- m. Paint: Disc Wheels, Front - W/O paint
- n. Paint: Disc Wheels, Rear - W/O paint
- o. Paint: Demount Rims, Front - W/O paint
- p. Paint: Demount Rims, Rear - W/O paint
- q. Paint: Spoke Wheels, Front - W/O optional spoke wheel paint
- r. Paint: Spoke Wheels, Rear - W/O optional spoke wheel paint
- s. Paint: Hubs and Drums, Front - Same as chassis running gear
- t. Paint: Hubs and Drums, Rear - Same as chassis running gear

20. REAR AXLE EQUIPMENT

- a. Rear Axles - Tandem - S38"R" 38000LB-Mack 17200KG FAB HSNG
- b. Rear Axle Casing Width - Rear axle casing width, std
- c. Lube Pump, Rear Axle - W/O
- d. Carrier, Rear Axle - CRDP 150/151
- e. Rear Axle Ratio - Ratio 3.79, rear axle
- f. Rear Suspension, Tandem - SS38 - Mack multileaf
- g. Springs, Anti-Sway - Furnish w/Tandem Rear Axle
- h. Rear Susp. Beam Bushings - Urethane Bushings
- i. Bogie Spread, Rear - Bogie spread, 1270mm (50.0")
- j. Suspension Leveling Device - W/O Susp. Leveling Device
- k. Air Suspension Dump Warning - W/O Air Suspension Dump Warning
- l. Rear Shock Absorber - W/O, Rear Shock Absorber
- m. Transverse Torque Rods, R Susp. - W/O Rear Suspension Transverse Torque Rod
- n. Brakes, Rear - Bendix ES 165-07D 16.5x7 cast spider
- o. Brake Drums/Rotors, Rear - Cast Iron Brake Drums
- p. Rear Brake ADJ. Manufacture - Rear brake adjustment, automatic Haldex
- q. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- r. Drive Axle Brake Dust Shield - Rear drive brakes W/O dustshields
- s. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- t. Hub Material, Drive - iron preset hub, drive w/ integrated spindle nut
- u. Hub Oil Seal, Drive - Premium hub oil seal, drive
- v. Power Divider Lockout - Power divider lockout, w/ buzzer and light
- w. Lubricants, Rear Axle - Petroleum oil in axle, rear
- x. Rear Spring Insulator Mat'l - Rear spring insulator, rubber
- y. Spring Brake Chambers, Vendor - MGM model TR-T; tamper resistant brake chambers
- a`. Traction Differential - W/O intr-whl/differential options
- aa. Spindle Nuts, Main Axle - Spindle nuts, main axle, integrated
- ab. ABS Sensor and Modulator - ABS 4 sensors and 4 modulators (front and rear axles)
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch) ABS
- ad. Brake Valve Version - Brake valve version, USA Bendix, where possible
- ae. Traction Control Disable - W/O

21. CAB SLEEPER BOX

- a. Side Window Lower - W/O

22. APPLICATION PACKAGES - MACK PACKAGE RAWHIDE

- a. Without Mack rawhide package

23. APPLICATION PACKAGES MHD-AF CONFIGURATION PACKAGE

- a. W/O MHD Config Package

24. APPLICATION PACKAGES - SPECIAL SALES PACKAGE

- a. Without Special Sales Package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - GU713 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #35**

#### **2017 Mack GU 713**

The Mack GU 713 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$90,112.45	\$90,112.45	\$90,112.45	\$90,112.45

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	GU 713			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$90,112.45	\$90,112.45	\$90,112.45	\$90,112.45

Order Code	Add Options	All Zones
100AL0 <sup>1</sup>	MP7 - 365HP	\$735.00 <sup>1</sup>
100AR0 <sup>1</sup>	MP8 - 445HP	\$2,644.00 <sup>1</sup>
136AB8 <sup>1</sup>	Mack T313 - 13 speed	\$1,629.00 <sup>1</sup>
	Allison 3000 5spd	NA
136AR6 <sup>1</sup>	Allison 4500 5spd	\$20,535.25 <sup>1</sup>
288AA7 <sup>1</sup>	116 gallon single tank	\$363.00 <sup>1</sup>
290AB0 <sup>1</sup>	Dual 50 gallon tanks	\$495.00 <sup>1</sup>
195AA7 <sup>1</sup>	Meritor - RPL25HD	\$157.00 <sup>1</sup>
240AA7 <sup>1</sup>	Mack FXL 14,600 LB	\$759.50 <sup>1</sup>
	14,600 LB Leaf Spring	NC
	Meritor - 40,000 LB	NA
	Mack - 40,000 LB Multileaf	NA
	198" WB	NC
	210" WB	NC
274AA7 <sup>1</sup>	Steel - 300MM x 90MM x 9.5MM	\$376.00 <sup>1</sup>
241OL1 <sup>1</sup>	Mack Air Disc Brakes	\$1,629.00 <sup>1</sup>
253AB3 <sup>1</sup>	Mack Air Disc Brakes	\$4,557.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - LR613 – (6X4 – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #36)</u></a>			
Transource, Inc.	2017 Mack LR613	★Appalachia	\$130,680.73
Transource, Inc.	2017 Mack LR613	★Dogwood	\$130,680.73
Transource, Inc.	2017 Mack LR613	★Cardinal	\$130,680.73
Transource, Inc.	2017 Mack LR613	★Longleaf Pine	\$130,680.73



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - LR613 – (6X4 – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #36**

2017 Mack LR613

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. CUSTOMER/VEHICLE INFO**

- a. Price Book Level - 2008-10-07
- b. Chassis (Base Model) - LR613 R (11L) - 6x4 DayCab
- c. Customer Fleet Size - Regional fleet 25 or more vehicles in own fleet of any vehicle brand
- d. Type Of Services - Municipal
- e. Initial Registration Location - Any state EXC. Calif or Hawaii (US14)
- f. Language-Pubs/Decal/Signs - English
- g. Vehicle Application Class - Class B Highway-Inner City
- h. Vehicle Use & Body/Trailer Type - Refuse automatic side loader truck
- i. Terrain Grade - Normal Highway, Starting Grades
- j. Loading Surface - Concrete loading and /or unloading surface
- k. Vehicle Vocation - Refuse / landfill operation

#### **2. ENGINE/TRANSMISSIONS**

- a. Engine Package - MP7-325M @ 1500-1900 RPM (Peak) 2100 RPM (Governed) us"14, (1200LB-FT)
- b. Transmission - 4500 RDS 6 SP-Allison rugged duty series GEN 5 W/prognostics
- c. Transmission Electronics - Refuse W/auto-neutral, 2nd gear limit secondary mode

#### **3. EXHAUST/EMISSIONS**

- a. DPF Diesel Particulate Filter - Cleartech VV DPF vertical LH side BOC W/SCR vert RH side BOC
- b. Exhaust - No muffler, single (R/S) vert straight EXH stack plain end, side outlet diffuser, outboard
- c. Exhaust System Material Finish - Standard exhaust system material finishing.
- d. DEF Tank - 25L / 22" dia semi tank right side MTD
- e. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. Filter ceramic
- f. Regenerate Control Switch, DPF - Without DPF regeneration control switch
- g. Emission on Board Diag Control - Emission OBD, Display only, USA2016

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 13" Single element factory OPT
- b. Air Compressor - Merit/Wabco 636 (37.4 CFM) REQS B9200003 when used in blk unload APP
- c. Alternator - 12V130A Delco 24SI (130 AMP)
- d. Batteries - 3-12V Mack M/F 31 650 CCA threaded Stud type
- e. Cooling Performance - Extra narrow radiator with length 1 (60 DM2), 41 DEG C ATB cooling capacity W/O AUX RAD
- f. Coolant Protection - To -34 DEG F
- g. Radiator Blind - Without radiator blind
- h. Coolant Filter / Conditioner - Without filter/conditioner
- i. Engine Block Heater Receptacle (CA) - Without engine block heater receptacle

- j. Fan Drive - Horton fan. BEHR fan & electric modulating viscous fan drive
- k. Engine Brake - W/O ENG BRK
  - l. Fuel-Water Separator - Mack integral includes manual drain
- m. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- n. Battery Box-Mounting - Single box 3 batt perp, to frame 11" from NTOF
- o. Battery Box Cover - Basic battery box cover
- p. Emergency Start Studs - Without emergency start studs
- q. Battery Disconnect Switch - Mechanical switch positive connect type-US10
- r. Hoses- Radiator/Heater - Silicone
- s. Starter - 12V standard starter delco 39MTHD
- t. Oil Pan - Oil pan steel
- u. Tether DEV PKG, CAPS & Covers - Tether PK2: Batt box cover
- v. Engine Block Heater - Without engine block heater
- w. Engine Oil Pan Heater - Without engine oil pan heater
- x. Engine Starting Pads - Without starting pad
- y. Battery Shock Pads - Without battery pads
- a`. Smart Idle Elevated Idle RPM Time - Increase 10 minutes maximum time

#### 5. CLUTCH/TRANS EQUIPMENT

- a. Drive-Main - Meritor 18 MXL "xtended lube"
- b. Driveline-Interaxle - Meritor 17 MXL "xtended lube"
- c. Lubricants, Transmission - Transynd synthetic auto trans fluid
- d. Transmission Oil Cooler - Furnish for Allison trans. With direct mount cooler
- e. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- f. Propeller Shaft Main, Univsl JNT - Propeller shaft main, universal joint half-round type
- g. Prop Shaft Interaxl Univ Joint - Prop shaft interaxle, univ joint half-round type
- h. Retarder - Without retarder
- i. Transmission Torque Converter - Furnish TC541 for use w/Allison (HD)series world trans
- j. Transmission Protection - Without transmission protection
- k. Engine Smart Torque Feature - Engine smart torque feature, disabled

#### 6. FRONT AXLE EQUIPMENT/TIRES

- a. Front Axle - FXL16.5 16500 LB-Mack 7500 KG
- b. Spring-Front - 16,500 LB Taperleaf 7500 KG
- c. Brake, Front - Cast iron brakedrum, front axle
- d. Front Axle Brakes - Bendix ES-165-06D 16.5 x 6 cast spider
- e. Front Axle Brake Dust Shield - Front brakes with dust shields
- f. Front Brake ADJ. Manufacture - Front brake adjustment, automatic haldex
- g. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- h. Brake lining Material Front - Brake lining material front, Eaton ES-1100/600
- i. Hub Material. Front - Basic material hub (steel/cast iron), front
- j. Shock Absorber, Front - With shock absorber, front
- k. Steering - M100P, plus right side assist cylinder
- l. Bump Stop, Front Suspension - Bump stop, front suspension, frame MTD
- m. Front Brake Chamber Size - Front brake chamber 30SQ inches (service)

#### 7. REAR AXLE EQUIPMENT/TIRES

- a. Rear Axle-Tandem - S462 46000LB-Mack 20900KG casting HSNG
- b. Rear Axle Casing Width (CA) - Rear axle casing width, standard
- c. Lube Pump, rear, Axle - Without lube pump, rear axle
- d. Carrier -Rear Axle - CRDP 150/151
- e. Rear Axle Ratio - Ratio 4.80, rear axle
- f. Rear Suspension-Tandem - SS462- Mack multileaf
- g. Springs- Anti-Sway - W/O anti-sway
- h. Rear Susp. Beam Busings - Bronze bushings
- i. Bogie Spread, Rear - Bogie Spread, 1270MM (50.0")
- j. Suspension Leveling Devise (CA) Without susp. leveling device
- k. Rear Shock Absorber - Without shock absorber, rear
- l. Transverse Torque rods, R Susp - Rear susp transverse torque rods, rear drive axle
- m. Brakes-Rear - Bendix ES 165-07D 16.5x8.0 cast spider

- n. Brake Drums/Rotors-Rear - Cast iron brake drums
- o. Rear Brake ADJ Manufacture - Rear brake adjustment, automatic haldex
- p. Rear Brake Chamber Size - Rear brake chamber 30 / 30 SQ inches (service/emergency)
- q. Drive Axle Brake Dust Shield - Rear drive brakes without dustshields
- r. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- s. HUB Material, Drive - Basic material HUBS (steel /cast iron), drive
- t. HUB Oil Seal, Drive - Stemco voyager hub oil seal
- u. Power Divider Lockout - power divider lockout, w/buzzer & light
- v. Lubricants, Rear Axle - Petroleum oil in rear axle
- w. Rear Spring Insulator MAT'L- Rear spring insulator, urethane
- x. Spring Brake Chambers-Vendor - MGM Model TR-T; tamper-resistant brake chambers
- y. Traction Differential - W/O intr-whl/diffrentl optns
- a`. Spindle Nuts, Main Axle - Basic spindle nuts, main axle
- aa. ABS Sensor & Modulator - ABS 4 sensors & 4 modulators (front & rear axles)
- ab. Brake Chmbr Diaphragm Material - Brake chamber diaphragm, basic
- ac. Anti-Lock Brake System - Bendix KB (Easton/Bosch)ABS
- ad. Axle alignment (CA) - Axle alignment, chassis report, send to customer

#### 8. PUSHER/TAG EQUIPMENT/TIRES

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheel Base - 197"
- b. AF (Overhang) 55"
- c. Frame Rails - Steel- 3/8" X 13 3/8" X 3 1/4" (class 8)
- d. Frame Inner Liner - Without liner
- e. Front Frame Ext. (Bolted On) - Without front frame extension, bolted on
- f. Crossmembers - STL-1/2"Pl bolted BOC & intrmdt 1/8" BELO rail, GR5 BB, 1st xmbr BOC RR 38. 17" from a line
- g. Frame Rail Free Space - Without frame rail clearance
- h. Fuel Tank Polish Option - Without fuel tank polish option
- i. Rear Crossmember Options - Rear crossmember, straight frame end (Basic)
- j. Mudflap, Front Axle - Mudflap, front axle, basic (no anti-spray) short
- k. Front Bumper - Bumper, steel painted
- l. Guard, Under Engine BAYT - Without guard
- m. AUX Crossm. In Rear Overhang - 1 AUX. crossmember, back to back
- n. Crossmember, Bogie Type - Without crossmember, bogie
- o. Towing Device, Front - One pin towing device, front
- p. Towing Device, Rear - Two hooks frame mounted version 1
- q. Fuel Tank-LH - 50 gal steel (190 liters) 26in/24in rect
- r. Fuel Tank-RH - Omit RH fuel tank
- s. Fuel Hoses, Liquid - Fuel hoses, fire resistant
- t. Fuel Tank Position Liquid - Fuel tank position, lowered left side
- u. Filler Neck screens - Filler neck screen L.H. fuel tank(s)includes sump

#### 10. AIR/BRAKE

- a. Air Dryer Manufacturer - Wabco Air Drer, 1800P W/O T cutt off valve, W coolsc oil filter
- b. Airtank Drain Valve - Automatic drain valve, heated
- c. Airtank Material - Steel airtank
- d. Body Builder, Air Prep Kit - Body builder, air prepkit, 7 air lines, CAB to RS frame
- e. Air Dryer Position (CA) - Air dryer position standard
- f. Auxiliary Brake Control- Without auxiliary brake control
- g. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- h. Chassis Packaging (CA) - Without customer specified chassis packaging

#### 11. ELECTRICAL

- a. Parking Brake Lighting - Without parking brake lighting
- b. Back-up Alarm - Without bake-up alarm
- c. Aux. Power Outlet, Interior - Aux power outlet, 12V doghouse
- d. Circuit Protection (CA) - All circuits fuse/breaker protected
- e. Headlight Lamp Type - Headlamp bulb type, halogen



- f. HeadLamp Protection - Without headlamp protection
- g. Tail Lamps - Without tail lamps
- h. Warning Lights Body - Without warning light body
- i. Front & Side Indicator LMP TYP - Side indicator lamp type, LED
- j. Daytime Running Lights - Day running light, when eng running

12. TRAILER CONNECTIONS

- a. EXT.Indicator LMP, Main Switch - Exterior indicator lamp, main switch, basic

13. PTO/SPECIALTY EQUIPMENT

- a. Additional Electrical Schematic - Without additional electrical schematic
- b. Hydraulic Pump - Furnish ENG pump MTG provisions-include wiring, switches, and indicators as REQ'D
- c. Prop Shaft, Main To AUX Transm (CA) - Without prop shaft from main to aux transmission
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection, Additional, (CA) - Without transp, rust protection
- f. Transport Adaptation - Uniform load no adaptation
- g. PTO Engine Mounted, Rear - Without PTO engine rear
- h. Crankshaft Adapter - Front end PTO-1350 SER flange
- i. Body Builder Prep Pass Through - Without body builder prep.
- j. Body Builder Module - EL Prop kit, refuse (no pass thru, 9 & 29 Pin BOC), CTRL LINK2
- k. Unique Decals machine Directiv (CA) - Without decals
- l. PTO Transm. Mounted - Without PTO transm. Mounted

14. CAB (A THRU G)

- a. Air Restriction Indicator - Mechanical, graduated, on filter
- b. Antenna, Radio - Antenna, radio, cab cow, MTD, LH, short rubber
- c. Audio Shutoff - Without automatic audio shutoff
- d. Blind Spot Vision SYS. Rear - Without prep kit for camera
- e. CAB - R.H. & R.H. sit down driving position, extended CAB version
- f. CAB Auxiliary Fan (CA) - without CAB auxiliar fan
- g. CAB Corner Protection, Front - Without front CAB corner protection
- h. CAB Door Options - LR LH & RH front hinged doors W/Power window both sides
- i. CAB A/C Unit - Manual controlled climate control air condition
- j. CAB Heater Unit - Standard heater unit
- k. CAB Instep Version - CAB step version basic
  - l. CAP Peep Window - W/O peep window/ vent
- m. CAB Tilt Pump - Air assisted CAB tilt pump
- n. Cable Kit Xlamps Front/Roof - Without spotlamps preparation kit
- o. Electrical Dash Outlet (CA) - without electrical outlet
- p. Emblems Option - Emblems option, complete
- q. Fire Extinguisher (CA) - W/O fire extinguisher option
- r. Front Grille - Black
- s. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on L.H. tank
- t. Gauge-Exhaust Pyrometer - Without exhaust pyrometer gauge
- u. Gauge-Manifold Pressure - Without manifold pressure gauge
- v. Gauge-Transmission Oil Temp - Transmission oil temp, gauge with high temp.
- w. Gauges-Unit Of Measure - U.S. Units (Predominant)
- x. Gearshift Inhibitor - Without gear shift inhibitor
- y. Number Of Auxiliary Gauges - Without auxiliary gauges
- a'. Radio/Radio Accommodation - Premium stereo, AM/FM, cd-player, mp3, weather band, bluetooth

15. CAB (H THRU R)

- a. Horn-Air - Without air horn
- b. Horn, Insulation, Climate (CA) Without engine compartment insulation
- c. Horn, Electrical - 1 single electric horn single tone
- d. Keyed Alike Chassis - All chassis keyed at random-2 keys
- e. Mirrors-Convex Type CAB Doors - Black square heated convex mirror - (except on bi-fold doors)
- f. Mirrors-Exterior - LH & RH electric heated & operated, w/o memory
- g. Mirrors-proximity - Rectangular convex above LH + RH doors
- h. Overhead Switch Panel - Without overhead switch panel

- i. Personalized Name Plate - Without personalized name plate
- j. Rear Wall Storage Compartment - Without rear wall storage compartment
- k. Roof Hatch or Cooler - Without roof hatch
- l. Roof Marker Light - Led type roof marker

16. CAB (S THRU Z)

- a. Seat-Driver's - Air-Bostrom Talladega 910 mid back
- b. Seat- Passenger's - Omit rider's seat
- c. Seat Belt(s) - Lap & shoulder for (2)driver seats and orange in color
- d. Seat Covering - Driver- All cloth, black, driver seat only
- e. Steering Wheel \_ Diameter 450mm steering wheel, rubber grip V1
- f. Steering Wheel Adjustment - Adjustable STG WHL, LH 2 motion, RH fixed
- g. Sunvisor Interior, Side - Without interior sunvisor side
- h. Time Counter (CA) - Without time counter
- i. Turn Signals - Non cancelling turn signal
- j. Washer Reservoir - Washer reservoir basic position
- k. Windshield Protector - Without Windsheild protector

17. WHEELS & TIRES

- a. Tires Brand/Type-Front - 315/80R22.5 L Bridgestone M860A (total for qty=2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels-Front - 22.5 X 9.00 steel disc 11.25" BC Hayes Lemmerz #10041; HP10 5 Hand Hole, 5.25" Inset(total for qty = 2)
- d. Wheel Finishing, Front - Without wheel finishing front
- e. Front Axle tire & Wheel Quantity - Two front tires & wheels
- f. Tires Brand/Type-Rear - 315/80R22.5 L Bridgestone M860A (total for qty = 8)
- g. Wheels-Rear - 22.5 X 9.0 STL disc 11.25 B.C. accuride HUB piloted 10-Hole #29300 7" offset 5 Hand Hole HD (total for qty = 8)
- h. Rear Wheel Rim Clamp - Without rear wheel rim clamp
- i. Rear Disk Wheel:Polish - W/O RR disc-bright finish
- j. Rear Axle tire & Wheel Quantity - Eight rear axle tires & wheels
- k. Wheel Nut & Finisher, Front - Wheel nut & finish basic, front
- l. Wheel Nut Finish, Rear, (CA) - Wheel nut basic finish, rear
- m. Tire Inflation Valve - Tire inflation valve, standard
- n. Spare Wheel - Without spare wheel

18. PAINT

- a. Paint/Vinyl Stripping - CAB Exterior - Single color
- b. Paint Color - Area A - Mack white 08282PP: P9188
- c. Paint type - Solid paint
- d. Paint: Color-Area B - W/O area B paint color
- e. Paint: Color-Area C - W/O area C paint color
- f. Paint-CAB Paint System - Poly through coat w/o clear coat
- g. Paint-Chassis Runner Gear - Mack black: P3036
- h. Paint: Bumper - Paint bumper same color as Chassis running gear
- i. Paint: Fuel Tank - Paint fuel tank same color as chassis running gear
- j. Front Wheel Paint - Front wheel powder coat, white
- k. Drive Wheel Paint - Drive wheel powder coat, white
- l. Paint: Disc Wheels-Front - Without paint
- m. Paint: Disc Wheels-Rear - Without paint
- n. Paint:Spoke Wheels-Front - W/O optional spoke wheel paint
- o. Paint:Spoke Wheels-Rear - W/O optional spoke wheel paint
- p. Paint-Hubs & Drums-Front - Same as Chassis running gear
- q. Paint: HUBS & Drums-Rear - Same as Chassis running gear

19. APPLICATION PACKAGES

- a. Customer Adaptation CTR (CA) - Product adaptation, additional installation required
- b. Pilot Inspection - No Pilot Requested



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - LR613 – (6X4 – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #36**

#### **2017 Mack LR613**

The Mack LR613 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$130,680.73	\$130,680.73	\$130,680.73	\$130,680.73

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	LR613			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$130,680.73	\$130,680.73	\$130,680.73	\$130,680.73

Order Code	Add Options	All Zones
	MP7-365HP	NA
	MP8-455HP	NA
	Mack T318-18 Speed	NA
136AR6 <sup>1</sup>	Allison 4500 5spd	\$160.00 <sup>1</sup>
	50 gallon single tank	Incl.
290AH8 <sup>1</sup>	Dual 50 gallon tanks	\$565.00 <sup>1</sup>
	Spicer-18 MXL "Xtended Lube	NA
	MACK FXL 14,600 LB	NA
	14,600 LB Leaf Spring	NA
	Meritor-40,000 LB	NA
	Mack- 40,000 lb multileaf	NA
	198" WB	NC
271205 <sup>1</sup>	205" WB	\$177.00 <sup>1</sup>
241OL1 <sup>1</sup>	Mack Air Disc Brakes	\$643.50 <sup>1</sup>
253AB3 <sup>1</sup>	Mack Air Disc Brakes	\$2,394.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

Name of Dealership	Type of Vehicle	Zone	Base Unit Price
<u><a href="#">MACK - LR633 – (6X4 – NATURAL GAS – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #37)</a></u>			
Transource, Inc.	2017 Mack LR633	★Appalachia	\$125,559.41
Transource, Inc.	2017 Mack LR633	★Dogwood	\$125,559.41
Transource, Inc.	2017 Mack LR633	★Cardinal	\$125,559.41
Transource, Inc.	2017 Mack LR633	★Longleaf Pine	\$125,559.41



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - LR633 – (6X4 – NATURAL GAS – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #37**

2017 Mack LR633

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. CUSTOMER/VEHICLE INFO**

- a. Price Book Level - 2008-10-07
- b. Chassis (Base Model) - LR633 R (9L CNG)) - 6x4 DayCab
- c. Customer Fleet Size - Dealer Fleet with less than 25 vehicles in own fleet of any vehicle brand
- d. Type Of Services - Commerical
- e. Initial Registration Location - Any state EXC. Calif or Hawaii (US14)
- f. Language-Pubs/Decal/Signs - English
- g. Vehicle Application Class - Class B Highway-Inner City
- h. Vehicle use & Body/Trailer Type - Refuse automatic side loader truck
- i. Terrain Grade - Normal Highway, Starting Grades
- j. Loading Surface - Concrete loading and /or unloading surface
- k. Vehicle Vocation - Refuse / landfill operation

#### **2. ENGINE/TRANSMISSIONS**

- a. Engine Package - ISL-G 320 Cummins 320 @ 2200 RPM
- b. Transmission - 4500 RDS 6 SP-Allison rugged duty series GEN 5 W/prognostics
- c. Transmission Electronics - Refuse W/auto-neutral, 2nd gear limit secondary mode

#### **3. EXHAUST/EMISSIONS**

- a. DPF Diesel Particulate Filer - Without DPF, with vertical RH side BOC-3way catalytic converter (CNG/LNG)
- b. Exhaust - No muffler, single (R/S) vert straight EXH stack plain end, side outlet diffuser, outboard
- c. Exhaust System Material Finish - Standard exhaust system material finishing.
- d. Exhaust Aftertreatment System - 3 way catalytic converter
- e. Regenerate Control Switch, DPF - Without DPF regeneration contol switch
- f. Emission on Board DIAG Control - Without emission on board diagnostic

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 15" Single element factory OPT
- b. Air Compressor - Cummins twin 30.4 CFM
- c. Alternator - 12V160A Delco 24SI Brush type
- d. Batteries - 3-12V Mack M/F 31 650 CCA threaded Stud type
- e. Cooling Performance - Extra narrow radiator with length1 (60 DM2), 41 DEG C ATB cooling capacity W/O AUX RAD
- f. Coolant Protection - Texaco entended life coolant #7998 w/nitrites (50/50 mix) to -34 DEG
- g. Radiator Blind - Waterfront
- h. Coolant Filter / Conditioner - Without filter/conditioner
- i. Engine Block Heater Receptacle (CA) - Engine block heater receptacle, MTD LH side rear of CAB (NYC)

- j. Fan Drive - Horton fan. "ON-OFF"--replaces 1181010
- k. Engine Brake - W/O ENG BRK
- l. Fuel-Water Separator - Cummins CNG coalescing fuel filter stanchion MTD on frame
- m. Fuel Equipment Water Heater (CA) - Fuel equipment, heater for the CNG supply regulator
- n. Battery Box-Mounting - Single box 3 batt perp, to frame 11" from NTOF
- o. Battery Box Cover - Basic battery box cover
- p. Emergency Start Studs - Without emergency start studs
- q. Battery Disconnect Switch - Mechanical switch positive connect type-US10
- r. Hoses- Radiator/Heater - Silicone
- s. Tether DEV PKG, CAPS & Covers - Tether PK2: Batt box cover
- t. Engine Block Heater - W120 Volt / 1.0 kw, Cummins engine block heater
- u. Battery Shock Pads - Without battery shock pads
- v. Smart Idle Elevated Idle RPM Time - Increase 10 minutes maximum time

#### 5. CLUTCH/TRANS EQUIPMENT

- a. Drive-Main - Meritor 176 MXL "xtended lube"
- b. Driveline-Interaxle - Meritor 17 MXL "xtended lube"
- c. Lubricants, Transmission - Transynd synthetic auto trans fluid
- d. Transmission Oil Cooler - Remote MTD oil cooler furnish for Allison transmission
- e. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- f. Propeller Shaft Main, Univsl JNT - Propeller shaft main, universal joint half-round type
- g. Prop Shaft Interaxl Univ Joint - Prop shaft interaxle, univ joint half-round type
- h. Transmission Torque Converter - Furnish TC521 for use w/Allison (HD,RDS) transmission
- i. Transmission Protection - Without transmission protection
- j. Engine Smart Torque Feature - Engine smart torque feature, disabled

#### 6. FRONT AXLE EQUIPMENT/TIRES

- a. Front Axle - FXL16.5 16500 LB-Mack 7500 KG
- b. Springs-Front - 16,500 LB Taperleaf 7500 KG
- c. Brake, Front - Cast iron brakedrum, front axle
- d. Front Axle Brakes - Bendix ES-165-06D 16.5 x 6 cast spider
- e. Front Axle Brake Dust Shield - Front brakes without dust shields
- f. Front Brake ADJ. Manufacture - Front brake adjustment, automatic haldex
- g. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- h. Brake lining Material Front - Brake lining material front, Eaton ES-1100/600
- i. Hub Material, Front - Basic material hub (steel/cast iron), front
- j. Shock Absorber Front, - With shock absorber, front
- k. Steering - M100P, plus right side assist cylinder
- l. Bump Stop, Front Suspension - Bump stop, front suspension, frame MTD
- m. Front Brake Chamber Size - Front brake chamber 30SQ inches (service)

#### 7. REAR AXLE EQUIPMENT/TIRES

- a. Rear Axle-Tandem - S38"R" 38000LB-Mack 17200KG FAB HSNG
- b. Rear Axle Casing Width (CA) - Rear axle casing width, standard
- c. Lube Pump, Rear, Axle - Without lube pump, rear axle
- d. Carrier - Rear Axle - CRDP150/151
- e. Rear Axle Ratio - Ratio 3.79, rear axle
- f. Rear Suspension-Tandem - SS38- Mack multileaf
- g. Springs- Anti-Sway - W/O anti-sway
- h. Rear Susp. Beam Bushings - Urethane bushings
- i. Bogie Spread, Rear - Bogie Spread, 1270MM (50.0")
- j. Suspension Leveling Device (CA) Without susp. leveling device
- k. Rear Shock Absorber - Without shock absorber, rear
- l. Transverse Torque Rods, R Susp - Without rear suspension transverse torque rod
- m. Brakes-Rear - Bendix ES 165-07D 16.5x7 cast spider
- n. Brake Drums/Rotors-Rear - Cast iron brake drums
- o. Rear Brake ADJ Manufacture - Rear brake adjustment, automatic haldex
- p. Rear Brake Chamber Size - Rear brake chamber 30 / 30 SQ inches (service/emergency)
- q. Drive Axle Brake Dust Shield - Rear drive brakes without dustshields
- r. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600

- s. HUB Material, Drive - Iron preset HUB, W/ integrated spindle nut
- t. HUB Oil Seal, Drive - Premium HUB oil seal, drive
- u. Power Divider Lockout - Without power divider
- v. Lubricants, Rear Axle - Petroleum oil in rear axle
- w. Rear Spring Insulator MAT'L- Rear spring insulator, urethane
- x. Spring Brake Chambers-Vendor - MGM Model TR-T; tamper-resistant brake chambers
- y. Traction Differential - W/O intr-whl/diffrentl optns
- a`. Spindle Nuts, Main Axle - Spindle nuts, main axle, ingergrated
- aa. ABS Sensor & Modulator - ABS 4 sensors & 4 modulators (front & rear axles)
- ab. Brake Chmbr Diaphragm Material - Brake chamber diaphragm, basic
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch)ABS
- ad. Axle alignment (CA) - Axle alignment, chassis report, send to customer

#### 8. PUSHER/TAG EQUIPMENT/TIRES

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheel Base - 197"
- b. AF (Overhang) 80"
- c. Frame Rails - Steel- 3/8" X 13 3/8" X 3 1/4" (class 8)
- d. Frame Inner Liner - Without liner
- e. Front Frame Ext. (Bolted On) - Without front frame extension, bolted on
- f. Crossmembers - STL-1/2"Pl bolted BOC & intrmdt 1/8" BELO rail, GR5 BB, 1st xmbr BOC RR 38. 17" from a line
- g. Frame Rail Free Space - Without frame rail clearance
- h. Rear Crossmember Options - Rear crossmember, straight frame end (Basic)
- i. Mudflap, Front Axle - Mudflap, front axle, basic (no anti-spray) short
- j. Front Bumper - Bumper, steel painted
- k. Guard, Under Engine BAYT - Without guard
- l. AUX Crossm. In Rear Overhang - 1 AUX. crossmember, back to back
- m. Crossmember, Bogie Type - Without crossmember, bogie
- n. Towing Device, Front - One pin towing device, front
- o. Towing Device, Rear - Without towing devices, rear
- p. Fuel Hoses, Liquid - Fuel hoses, high pressure
- q. Fuel Tank Position, Liquid - Fuel tank position basic

#### 10. AIR/BRAKE

- a. Air Dryer Manufacturer - Wabco Air Drer, 1800P W/O coolescng oil filter
- b. Airtank Drain Valve - Automatic drain valve, heated
- c. Airtank Material - Steel airtank
- d. Body Builder, Air Prep Kit - Without body builder air prepkit
- e. Air Dryer Position (CA) - Air dryer position standard
- f. Auxiliary Brake Control- Auxiliary (work) brake hand control
- g. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- h. Chassis Packaging (CA) - Without customer specified chassis packaging

#### 11. ELECTRICAL

- a. Parking Brake Lighting - Without parking brake lighting
- b. Back-up Alarm - Backup alarm 87/112 DB, preco (ADJ to Ambient) sound
- c. Aux, Power Outlet Interior - Aux power outlet, 12V doghouse
- d. Circuit Protection (CA) - All circuits fuse/breaker protected
- e. Headlight Lamp Type - Headlamp bulb type, halogen
- f. HeadLamp Protection - Without headlamp protection
- g. Tail Lamps - Without tail lamps
- h. Warning Lights Body - Without warning light body
- i. Front & Side Indicator LMP TYP - Side indicator lamp type, LED
- j. Daytime Running Lights - Day running light, when eng running

#### 12. TRAILER CONNECTIONS

- a. EXT.Indicator LMP, Main Switch - Exterior indicator lamp, main switch, basic



### 13. PTO/SPECIALTY EQUIPMENT

- a. Additional Electrical Schematic - Without additional electrical schematic
- b. Hydraulic Pump - W/O hydraulic pump
- c. Prop Shaft, Main To AUX Transm (CA) - Without prop shaft from main to aux transmission
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection, Additional, (CA) - Without transp, rust protection
- f. Transport Adaptation - Uniform load no adaptation
- g. PTO Engine Mounted, Rear - Without PTO engine rear
- h. Crankshaft Adapter - W/O front end PTO drive
  - i. Body Builder PREP Pass Through - Without body builder prep.
  - j. Body Builder Module - EL Prop kit, refuse (no pass thru, 9 & 29 Pin BOC), CTRL LINK2
- k. Unique Decals machine Directiv (CA) - Without decals
- l. PTO Transm. Mounted - Without PTO transm. Mounted

### 14. CAB (A THRU G)

- a. Air Restriction Indicator - Mechanical, graduated, on filter
- b. Antenna, Radio - Antenna, radio, cab cowl, MTD, LH, short rubber
- c. Audio Shutoff - Without automatic audio shutoff
- d. Blind Spot Vision SYS. Rear - Without prep kit for camera
- e. CAB- - L.H. Drive with R.H. operating position, extended CAB version
- f. CAB Auxiliary Fan (CA) - without CAB auxiliary fan
- g. CAB Corner Protection, Front - Without front CAB corner protection
- h. CAB Door Options - LR LH front hinged door W/PWR window; RH rear fold-up
- i. CAB A/C Unit - Manual controlled climate control air condition
- j. CAB Heater Unit - Standard heater unit
- k. CAB Instep Version - CAB step version basic
  - l. CAP Peep Window - W/O peep window/ vent
- m. CAB Tilt Pump - Manual tilt pump
- n. Cable Kit Xlamps Front/Roof - Without spotlamps preparation kit
- o. Electrical Dash Outlet (CA) - without electrical outlet
- p. Emblems Option - Emblems option, complete
- q. Fire Extinguisher (CA) W/O fire extinguisher option
- r. Front Grille - Black
- s. Fuel Level Sender Unit, Liquid - Without liquid fuel level sender unit
- t. Gauge-Transmission Oil Temp - Transmission oil temp, gauge with high temp.
- u. Gauges-Unit Of Measure - U.S. Units (Predominant)
- v. Gearshift Inhibitor - Without gear shift inhibitor
- w. Number Of Auxiliary Gauges - Without auxiliary gauges
- x. Radio/Radio Accommodation - Premium stereo, AM/FM, cd-player, mp3, weather band, bluetooth

### 15. CAB (H THRU R)

- a. Horn-Air - Black twin trumpet, under cab mounted,with dual lanyard control
- b. Hood, Insulation, Climate (CA) Without engine compartment insulation
- c. Horn, Electrical - 1 single electric horn single tone
- d. Keyed Alike Chassis - All chassis keyed at random-2 keys
- e. Mirrors-Convex Type CAB Doors - Black square heated convex mirror - (except on bi-fold doors)
- f. Mirrors-Exterior - LH & RH electric heated & operated, w/o memory
- g. Mirrors-proximity - Without proximity mirror
- h. Overhead Switch Panel - Without overhead switch panel
- i. Personalized Name Plate - Without personalized name plage
- j. Rear Wall Storage Compartment - Without rear wall storage compartment
- k. Roof Hatch or Cooler - Without roof hatch
- l. Roof Market Light - Led type roof marker

### 16. CAB (S THRU Z)

- a. Seat-Driver's - Air-Sears seating C-2 MID back fabriform cushions
- b. Seat- Passenger's - Sears seating fold up passenger seat
- c. Seat Belt(s) - Lap & shoulder for driver seat and lap belt for fold-up seat -bright orange: OR#96-04-07
- d. Seat Covering - Driver- fabriform cloth, black rider- cloth, black
- e. Steering Wheel - Diameter 450mm steering wheel, rubber grip V1

- f. Steering Wheel Adjustment - Adjustable STG WHL, LH 2 motion, RH fixed
- g. Sunvisor Interior, Side - Without interior sunvisor side
- h. Time Counter (CA) Without time counter
- i. Turn Signals - Self cancelling turn signal
- j. Washer Reservoir - Washer reservoir basic position
- k. Windshield Protector - Windshield protector

#### 17. WHEELS & TIRES

- a. Tires Brand/Type-Front - 315/80R22.5 L Bridgestone M860A (total for qty=2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels-Front - 22.5 X 9.25 Alcoa Alum Disc ultra one 10-HP; 11.25" BC. 5.96" Inset(total for qty = 2)
- d. Wheel Finishing, Front - Wheel finishing front, machine buff
- e. Front Axle tire & Wheel Quantity - Two front tires & wheels
- f. Tires Brand/Type-Rear - 11R22.5 H continental HSR2 (total for qty = 8)
- g. Wheels-Rear - 22.5 X 8.25 LVL one Alcoa Alu disc unimnt 10 (10 Hole HUB Pilot)(total for qty = 8)
- h. Rear Wheel Rim Clamp - Without rear wheel rim clamp
- i. Rear Disk Wheel:Polish - Alcoa all wheels finish, machined clean buff
- j. Rear Axle Tire & Wheel Quantity - Eight rear axle tires & wheels
- k. Wheel Nut & Finisher, Front - Wheel nut & finish basic, front
- l. Wheel Nut Finish, rear, (CA) - Wheel nut basic finish, rear
- m. Tire Inflation Valve - Tire inflation valve, standard
- n. Spare Wheel - Without spare wheel

#### 18. PAINT

- a. Paint/Vinyl Stripping - CAB Exterior - Single color
- b. Paint Color - Area A - Mack white 08282PP: P9188
- c. Paint type - Solid paint
- d. Paint: Color-Area B - W/O area B paint color
- e. Paint: Color-Area C - W/O area C paint color
- f. Paint-CAB Paint System - Poly through coat w/o clear coat
- g. Paint-Chassis Runner Gear - Mack black: P3036
- h. Paint: Bumper - Paint bumper same color as Chassis running gear
- i. Paint: Fuel Tank - W/O optional fuel tank paint
- j. Front Wheel Paint - Without (unpainted)
- k. Drive Wheel Paint - Without (unpainted)
- l. Paint: Disc Wheels-Front - Without paint
- m. Paint: Disc Wheels-Rear - Without paint
- n. Paint:Spoke Wheels-Front - W/O optional spoke wheel paint
- o. Paint:Spoke Wheels-Rear - W/O optional spoke wheel paint
- p. Paint-Hubs & Drums-Front - Same as Chassis running gear
- q. Paint: HUBS & Drums-Rear - Same as Chassis running gear

#### 19. APPLICATION PACKAGES

- a. Pilot Inspection - No Pilot Requested



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - LR633 – (6X4 – NATURAL GAS – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #37**

#### **2017 Mack LR633**

The Mack LR633 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$125,559.41	\$125,559.41	\$125,559.41	\$125,559.41

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	LR633			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$125,559.41	\$125,559.41	\$125,559.41	\$125,559.41

Order Code	Add Options	All Zones
	MP7-365HP	NA
	MP8-455HP	NA
	Mack T318-18 Speed	NA
	Allison 4500 5spd	NA
	50 gallon single tank	NA
	Dual 50 gallon tanks	NA
	Spicer-18 MXL "Xtended Lube	NA
	MACK FXL 14,600 LB	NA
	14,600 LB Leaf Spring	NA
	Meritor-40,000 LB	NC
	Mack- 40,000 lb multileaf	NC
	198" WB	NC
271205 <sup>1</sup>	205" WB	\$177.00 <sup>1</sup>
241OL1 <sup>1</sup>	Mack Air Disc Brakes	\$643.50 <sup>1</sup>
253AB3 <sup>1</sup>	Mack Air Disc Brakes	\$2,394.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - MRU613 – (6X4 – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #38)</u></a>			
Transource, Inc.	2017 Mack MRU613	★Appalachia	\$104,214.77
Transource, Inc.	2017 Mack MRU613	★Dogwood	\$104,214.77
Transource, Inc.	2017 Mack MRU613	★Cardinal	\$104,214.77
Transource, Inc.	2017 Mack MRU613	★Longleaf Pine	\$104,214.77



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - MRU613 – (6X4 – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #38**

2017 Mack MRU613

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. CUSTOMER/VEHICLE INFO**

- a. Price Book Level - 2008-10-07
- b. Chassis (Base Model) - MRU613 R (11L) - 6x4 DayCab
- c. Customer Fleet Size - Dealer Fleet with less than 25 vehicles in own fleet of any vehicle brand
- d. Type Of Services - Municipal
- e. Initial Registration Location - Any state EXC. Calif or Hawaii (US14)
- f. Language-Pubs/Decal/Signs - English
- g. Vehicle Application Class - Class B Highway-Inner City
- h. Vehicle use & Body/Trailer Type - Refuse front loader truck
- i. Terrain Grade - Normal Highway, Starting Grades
- j. Loading Surface - Concrete loading and /or unloading surface
- k. Vehicle Vocation - Refuse / landfill operation

#### **2. ENGINE/TRANSMISSIONS**

- a. Engine Package - MP7-325M Mack 325 @ 1500-1900 RPM (Peak) 2100 RPM (Governed) US'14, (1200 LB-FT)
- b. Transmission - T310 10 SP-Mack
- c. Transmission Electronics - Without Transmissions Electronics
- d. Engine Governor Type - Engine governor type min-max

#### **3. EXHAUST/EMISSIONS**

- a. DPF Diesel Particulate Filter - Cleartech VV DPF vertical LH side BOC W/SCR vert RH side BOC
- b. Exhaust - No muffler, single (R/S) vert straight EXH stack plain end, side outlet diffuser, outboard
- c. Exhaust System Material Finish - Standard exhaust system material finishing.
- d. DEF Tank - 25L / 22" dia semi tank right side MTD
- e. Exhaust Aftertreatment System - Selective catalyst reduction + diesel part. Filter ceramic
- f. Regenerate Control Switch, DPF - DPF regeneration control switch, no inhibit (only initiate)
- g. Emission on Board DIAG Control - Emission obd, display only, USA2016

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 13" Single element factory OPT
- b. Air Compressor - Meritor/Wabco 636 (37.4 CFM) reqs B920003 when used in blk unload app.
- c. Alternator - 12V130A Delco 24SI (130 AMP)
- d. Batteries - 3-12V Mack M/F 31 650 CCA threaded Stud type
- e. Cooling Performance - Extra narrow radiator with length1 (60 DM2), 41 DEG C ATB cooling capacity W/O AUX RAD
- f. Coolant Protection - To -34 DEG F
- g. Radiator Blind - Without radiator blind
- h. Coolant Filter / Conditioner - Without filter/conditioner

- i. Engine Block Heater Receptacle (CA) - Without engine block heater receptacle
- j. Fan Drive - BEHR fan & electronic modulating viscous fan drive
- k. Engine Brake - W/O ENG BRK
- l. Fuel-Water Separator - Mack integral includes manual drain
- m. Fuel Equipment Water Heater (CA) - Without fuel heater equipment
- n. Battery Box-Mounting - Single box 3 batt perp, to frame 11" from NTOF
- o. Battery Box Cover - Basic battery box cover
- p. Battery Disconnect Switch - W/O battery disconnect switch
- q. Emergency Start Studs - Without emergency start studs
- r. Hoses- Radiator/Heater - Silicone
- s. Starter - 12V standard starter Delco 39MTHD
- t. Oil Pan - Oil pan steel
- u. Tether DEV PKG, CAPS & Covers - Tether PK2: Batt box cover
- v. Engine Block Heater - Without engine block heater
- w. Engine Oil Pan Heater - Without engine oil pan heater
- x. Engine Starting Aid - Without starting aid
- y. Engine Oil Drain Kit - Without engine oil drain kit
- aa. Battery Shock Pads - Without battery shock pads
- aa. Smart Idle Elevated Idle RPM Time - Increase 10 minutes maximum time

#### 5. CLUTCH/TRANS EQUIPMENT

- a. Clutch - Eaton advantage EZ-Pedal 9 spring, 2plate 15.5" ceramic 6 paddles, manual adjust
- b. Driveline-Main - Meritor 18 MXL "xtended lube"
- c. Driveline-Interaxle - Meritor 17 MXL "xtended lube"
- d. Lubricants, Transmission - Petroleum oil in transmission
- e. Clutch Pedal Pad - Clutch pedal pad, rubber
- f. Transmission Oil - W/O oil cooler
- g. Transmission Oil Cooler - Remote MTD oil cooler furnish for Allison transmission
- h. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- i. Propeller Shaft Main, Unvsl JNT - Propeller shaft main, universal joint half-round type
- j. Prop Shaft Interaxl Univ Joint - Prop shaft interaxle, univ joint half-round type
- k. Clutch Brake - Clutch brake, one piece
- l. Retarder - Without retarder
- m. Transmission Torque Converter - W/O transmission torque coverter
- n. Transmission Protection - Without transmission protection
- o. Engine Smart Torque Feature - Engine smart torque feature, disabled

#### 6. FRONT AXLE EQUIPMENT/TIRES

- a. Front Axle - FXL12 12000 LB-Mack 5400 KG (N/A with lift axles)
- b. Spring-Front - 12,000 LB multileaf 5400 KG
- c. Brake, Front - Cast iron brakedrum, front axle
- d. Front Axle Brakes - Bendix ES-165-06D 16.5 x 6 cast spider
- e. Front Axle Brake Dust Shield - Front brakes without dust shields
- f. Front Brake ADJ. Manufacture - Front brake adjustment, automatic haldex
- g. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- h. Brake lining Material Front - Brake lining material front, Eaton EES-600
- i. Hub Material. Front - Basic material hub (steel/cast iron), front
- j. Shock Absorber, Front - Without shock absorber, front
- k. Steering - M100P SHEP-PWR (integral)
- l. Bump Stop, Front Suspension - Without bump stop, front suspension
- m. Front Brake Chamber Size - Front brake chamber 20SQ inches (service)

#### 7. REAR AXLE EQUIPMENT/TIRES

- a. Rear Axle-Tandem - S38"R" 38000LB-Mack 17200KG FAB HSNG
- b. Rear Axle Casing Width (CA) - Rear axle casing width, standard
- c. Lube Pump, rear, Axle - Without lube pump, rear axle
- d. Carrier - Rear Axle - CRDP150/151
- e. Rear Axle Ratio - Ratio 3.79, rear axle
- f. Rear Suspension-Tandem - SS38- Mack multileaf
- g. Springs- Anti-Sway - W/O anti-sway

- h. Rear Susp. Beam Busings - Urethane bushings
- i. Bogie Spread, Rear - Bogie Spread, 1270MM (50.0")
- j. Suspension Leveling Device (CA)- Without susp. leveling device
- k. Rear Shock Absorber - Without shock absorber, rear
- l. Transverse Torque Rods, R Susp - Without rear suspension transverse torque rod
- m. Brakes-Rear - Bendix ES 165-07D 16.5x7 cast spider
- n. Brake Drums/Rotors-Rear - Cast iron brake drums
- o. Rear Brake ADJ Manufacture - Rear brake adjustment, automatic haldex
- p. Rear Brake Chamber Size - Rear brake chamber 30 / 30 SQ inches (service/emergency)
- q. Drive Axle Brake Dust Shield - Rear drive brakes without dustshields
- r. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- s. HUB Material, Drive - Iron preset HUB, W/ integrated spindle nut
- t. HUB Oil Seal, Drive - Premium HUB seal, drive
- u. Power Divider Lockout - Without power divider
- v. Lubricants, Rear Axle - Petroleum oil in rear axle
- w. Rear Spring Insulator Mat'l - Rear spring insulator, rubber
- x. Spring Brake Chambers-Vendor - MGM Model TR-T; tamper-resistant brake chambers
- y. Traction Differential - W/O intr-whl/diffrentl optns
- a`. Spindle Nuts, Main Axle - Spindle nuts, main axle, ingergrated
- aa. ABS Sensor & Modulator - ABS 4 sensors & 4 modulators (front & rear axles)
- ab. Brake Chmbr Diaphragm Material - Brake chamber diaphragm, basic
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch)ABS
- ad. Axle alignment (CA) - Axle alignment, chassis report, send to customer

#### 8. PUSHER/TAG EQUIPMENT/TIRES

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheel Base - 210"
- b. AF (Overhang) 96"
- c. Frame Rails - Steel-5/16" X 13 1/4" X 3 1/4"
- d. Frame Inner Liner - Without liner
- e. Front Frame Ext. (Bolted On) - Without front frame extension, bolted on
- f. Crossmembers - STL-1/2"Pl bolted BOC & intrmdt 1/8" BELO rail, GR5 BB, 1st xmbr boc rr 38. 17" from a line
- g. Frame Rail Free Space - Without frame rail clearance
- h. Frame Tank Polish Option - Without fuel tank polish option
- i. Rear Crossmember Options - Without rear crossmember
- j. Mudflap, Front Axle - Mudflap, front axle, basic (no anti-spray) short
- k. Front Bumper - Bumper, steel painted extended, including central tow-pin
- l. Guard, Under Engine BAYT - Without guard
- m. AUX Crossm. In Rear Overhang - Without auxillary crossmember in rear overhang
- n. Crossmember, Bogie Type - Without crossmember, bogie
- o. Towing Device, Front - One pin towing device, front
- p. Towing Device, Rear - Without towing devices, rear
- q. Fuel Tank - LH - Omit LH fuel tank
- r. Fuel Tank - RH - 70 Gal steel (265 liters) 26"/24" RECT
- s. Fuel Hoses, Liquid - Fuel hoses, wire braided
- t. Fuel Tank Position Liquid - Fuel tank position, lowered right side
- u. Filler Neck Screens - Filler neck screen R. H. fuel tank(s) includes sump

#### 10. AIR/BRAKE

- a. Air Dryer Manufacturer - Wabco Air Dr, 1800P W/O T cut off valve, W coalesc oil filter
- b. Airtank Drain Valve - Petcock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Body Builder, Air Prep Kit - Without body builder air prepkit
- e. Air Dryer Position (CA) - Air dryer position standard
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Chassis Packaging (CA) - Without customer specified chassis packaging
- h. Auxiliary Airtank - Without aux, airtank

#### 11. ELECTRICAL



- a. Parking Brake Lighting - Without parking brake lighting
- b. Back-up Alarm - Without back-up alarm
- c. Aux. Power Outlet, Interior - Aux power outlet, 12V doghouse
- d. Head Light Lamp Type - Headlamp bulb type, halogen
- e. Tail Lamps - Tail lamp, multipurpose
- f. Warning Lights Body - Without warning light body
- g. Front & Side Indicator LMP TYP - Side indicator lamp type basic
- h. Daytime Running Lights - DRL when parking brake off

## 12. TRAILER CONNECTIONS

- a. Ext. Indicator Lmp, Main Swtch - Without exterior indicator lamp, main switch
- b. Trailer Connection Position (CA) - Without trailer connection position
- c. Trailer Brake Valve - Without trailer brake valve

## 13. PTO/SPECIALTY EQUIPMENT

- a. Additional Electrical Schematic - Without additional electrical schematic
- b. Hydraulic Pump - W/O hydraulic pump
- c. Prop Shaft, Main To AUX Transm (CA) - Without prop shaft from main to aux transmission
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection, Additional, (CA) - Without transp. rust protection
- f. Transport Adaptation - Uniform load no adaptation
- g. PTO Engine Mounted, Rear - Without PTO engine rear
- h. Power Take Off Control - Without power rake off control
- i. Crankshaft Adapter - W/O front end PTO drive
- j. Body Builder Prep Pass Through - Without body builder prep.
- k. Body Builder Module - EL Prep kit, refuse (no pass thru, 9 & 29 Pin BOC), CTRL LINK2
  - l. Unique Decals machine Directiv (CA) - Without decals
- m. PTO Transm. Mounted - Without PTO transm. Mounted

## 14. CAB (A THRU G)

- a. Air Restriction Indicator - Mechanical, graduated, on filter
- b. Antenna, Radio - Antenna, radio, cab cowl, MTD, LH, short rubber
- c. Antenna, Radio Control (CA) - Without antenna, radio control
- d. Audio Shutoff - Without automatic audio shutoff
- e. Blind Spot Vision SYS. Rear - Without prop kit for camera
- f. CAB - CA351
- g. CAB Auxiliary Fan (CA) - without CAB auxiliary fan
- h. CBA Door Options - MR LH & RH sliding windows
  - i. CAB Grab Handle - CAB grab handles, outer and inner, basic
  - j. CAB A/C Unit - Manual controlled climate control air condition
  - k. CAB Heater Unit - Without heater unit
  - l. CAB Instep Version - CAB step version basic
- m. CAB Tilt Pump - Manual tilt pump
- n. CAB Step panel Protection - Without CAB step panel protection
- o. Center Control Console - Center console, basic
- p. Emblems Option - Emblems option, complete
- q. Fire Extinguisher (CA) W/O fire extinguisher option
- r. Forward Overhead Storage - Forward overhead STG, 2 radio shelf, driver side
- s. Front Grille - Painted grille (painted frame) silver
- t. Fuel Level Sender Unit, Liquid - Basic fuel level sender mounted on R.H tank
- u. Gauge-Exhaust Pyrometer - Without exhaust pyrometer gauge
- v. Gauge - Manifold pressure - Without manifold pressure gauge
- w. Gauge-Transmission Oil Temp - Transmission oil temp, gauge with high temp.
- x. Gauges-Unit Of Measure - U.S. Units (Predominant)
- y. Gearshift Inhibitor - Without gear shift inhibitor
- a'. Number Of Auxiliary Gauges - Without auxiliary gauges
- aa. Odometer - No hubodometer provided
- ab. Radio/Radio Accommodation - Premium stereo, AM/FM, cd-player, mp3, weather band

## 15. CAB (H THRU R)

- a. Horn-Air - Black twin trumpet, under cab mounted
- b. Horn, Electrical - 1 single electric horn single tone
- c. Ignition Type - Ignition type, key
- d. Key Alike Chassis - All chassis keyed at random-2 keys
- e. Mirrors-Convex Type CAB Doors - W/O convex mirror
- f. Mirrors-Exterior - Bulldog-BR Fin
- g. Mirrors-proximity - Without proximity mirror
- h. Personalized Name Plate - Without personalized name plate
- i. Power Leads - Power lead, plug type, headline MTD
- j. Roof Market Light - Standard type

16. CAB (S THRU Z)

- a. Seat-Driver's - Air-Bostrom Talladega 905 series (mid back)
- b. Seat- Passenger's - Fixed-Mack (mid-back)
- c. Seat Belt(s) - Lap & shoulder (both seats) (not available with extended rider seat)
- d. Seat Covering - All cloth, black, driver & rider seats
- e. Steering Wheel - Diameter 450mm steering wheel, rubber grip V1
- f. Time Counter (CA) Without time counter
- g. Windshield Protector - Without windshield protector
- h. Windscreen WND Deflector - Without windscreen wind deflector

17. WHEELS & TIRES

- a. Tires Brand/Type-Front - 11R22.5 H Bridgestone R283A Ecopia (total for QTY=2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels-Front - 22.5 X 8.25 steel disc 11.25BC Hayes Lemmerz #90260;HP10 2 hand hole, hvy dty (6.12"INST) (total for qty = 2)
- d. Wheel Finishing, Front - Without wheel finishing front
- e. Front Axle tire & Wheel Quantity - Two front tires & wheels
- f. Tires Brand/Type-Rear - 11R22.5 G Bridgestone R268 Ecopia (total for qty = 8)
- g. Wheels-Rear - 22.5 X 8.25 STL disc unimnt 10 Hayes Lemmerz #90541 2 hand hole WGT reduced (total for qty = 8)
- h. Rear Wheel Rim Clamp - Without rear wheel rim clamp
- i. Rear Disk Wheel:Polish - W/O RR disc whl-bright finish
- j. Rear Axle tire & Wheel Quantity - Eight rear axle tires & wheels
- k. Hub/Wheel Isolator Drive - Without hub/wheel isolator drive
- l. Wheel Nut & Finisher, Front - Wheel nut & finish basic, front
- m. Wheel Nut Finish, rear, (CA) - Wheel nut basic finish, rear
- n. Tire Inflation Valve - Tire inflation valve, standard
- o. Spare Wheel - Without spare wheel

18. PAINT

- a. Paint/Vinyl Stripping - CAB Exterior - Single color
- b. Paint Color - Area A - Mack white 08282PP: P9188
- c. Paint type - Solid paint
- d. Paint: Color-Area B - W/O area B paint color
- e. Paint: Color-Area C - W/O area C paint color
- f. Paint-CAB Paint System - Poly through coat w/o clear coat
- g. Paint-CAB Interior - W/O special CAB interior paint (paint exterior color)
- h. Paint-Chassis Running Gear - Mack black: P3036
- i. Paint: Bumper - Paint bumper same color as Chassis running gear
- j. Paint: Fuel Tank -Paint fuel tank same color as Chassis running gear
- k. Front Wheel Paint - Front wheel powder coat, white
- l. Drive Wheel Paint - Drive wheel powder coat, white
- m. Paint: Disc Wheels-Front - Without paint
- n. Paint: Disc Wheels-Rear - Without paint
- o. Paint:Demount.Rims-Front - Without paint
- p. Paint:Demount. Rims-Rear - Without paint
- q. Paint:Spoke Wheels-Front - W/O optional spoke wheel paint
- r. Paint:Spoke Wheels-rear - W/O optional spoke wheel paint
- s. Paint-Hubs & Drums-Front - Same as Chassis running gear
- t. Paint: HUBS & Drums-Rear - Same as Chassis running gear

19. APPLICATION PACKAGES

- a. Pilot Inspection - No Pilot Requested



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - MRU613 – (6X4 – FRONT LOADER, REAR LOADER, SIDE LOADER, AUTOMATED SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #38**

#### **2017 Mack MRU613**

The Mack MRU613 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$104,214.77	\$104,214.77	\$104,214.77	\$104,214.77

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	MRU613			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$104,214.77	\$104,214.77	\$104,214.77	\$104,214.77

Order Code	Add Options	All Zones
	MP7-365HP	NA
	MP8-455HP	NA
136AB7 <sup>1</sup>	Mack T318-18 Speed	\$1,986.00 <sup>1</sup>
136AR6 <sup>1</sup>	Allison 4500 5spd	\$160.00 <sup>1</sup>
290AH8 <sup>1</sup>	50 gallon single tank	\$77.50 <sup>1</sup>
	Dual 50 gallon tanks	NA
	Spicer-18 MXL "Xtended Lube	NC
240AA7 <sup>1</sup>	MACK FXL 14,6000 LB	\$136.00 <sup>1</sup>
	14,600 LB Leaf Spring	NC
	Meritor-40,000 LB	NA
	Mack- 40,000 lb multileaf	NA
	198" WB	NC
271205 <sup>1</sup>	205" WB	\$177.00 <sup>1</sup>
241OL1 <sup>1</sup>	Mack Air Disc Brakes	\$643.50 <sup>1</sup>
253AB3 <sup>1</sup>	Mack Air Disc Brakes	\$2,394.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>MACK - MRU633 – (6X4 – NATURAL GAS – FRONT LOADER, REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #39)</u></a>			
Transource, Inc.	2017 Mack MRU633	★Appalachia	\$125,273.09
Transource, Inc.	2017 Mack MRU633	★Dogwood	\$125,273.09
Transource, Inc.	2017 Mack MRU633	★Cardinal	\$125,273.09
Transource, Inc.	2017 Mack MRU633	★Longleaf Pine	\$125,273.09



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - MRU633 – (6X4 – NATURAL GAS – FRONT LOADER, REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #39**

2017 Mack MRU633

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. CUSTOMER/VEHICLE INFO**

- a. Price Book Level - 2008-10-07
- b. Chassis (Base Model) - MRU633 R (9L CNG) - 6x4 DayCab
- c. Customer Fleet Size - Dealer Fleet with less than 25 vehicles in own fleet of any vehicle brand
- d. Type Of Service - Municipal
- e. Initial Registration Location - Any state EXC. Calif or Hawaii (US14)
- f. Language-Pubs/Decal/Signs - English
- g. Vehicle Application Class - Class B Highway-Inner City
- h. Vehicle use & Body/Trailer Type - Refuse front loader
- i. Terrain Grade - Normal Highway, Starting Grades
- j. Loading Surface - Concrete loading and /or unloading surface
- k. Vehicle Vocation - Refuse / landfill operation

#### **2. ENGINE/TRANSMISSIONS**

- a. Engine Package - ISL-G 220 Cummings 220 @ 2200 RPM
- b. Transmission - 4500 RDS 6 SP-Allison rugged duty series GEN 5 w/prognostics
- c. Transmission Electronics - Refuse w/dual input auto-neutral and pban

#### **3. EXHAUST/EMISSIONS**

- a. DPF Diesel Particulate Filter - Without DPF, with vertical RH side BOC-3way catalytic converter (CNG/LNG)
- b. Exhaust - No muffler, single (R/S) vert straight EXH stack plain end, side outlet diffuser, outboard
- c. Exhaust System Material Finish - Standard exhaust system material finishing.
- d. Exhaust Aftertreatment System - 3 way catalytic converter
- e. Regenerat Control Switch, DPF - Without DPF regeneration control switch
- f. Emission On Board DIAG Control - Without emission on board diagnostic

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - 15"Single element factory OPT
- b. Air Compressor - Cummins twin 30.4 CFM
- c. Alternator - 12V160A Delco 24SI brush type
- d. Batteries - 3-12V Mack M/F 31 650 CCA threaded Stud type
- e. Cooling Performance - Extra narrow radiator with length1 (60 DM2), 41 DEG C ATB cooling capacity W/O AUX RAD
- f. Coolant Protection - Texaco extended life coolant #7998 W/Nitrites (50/50 MIX) to -34 DEG
- g. Radiator Blind - Winterfront
- h. Coolant Filter / Conditioner - Without filter/conditioner
- i. Engine Block Heater Receptacle (CA) - Engine block heater receptacle, MTD LH side rear or CAB (NYC)
- j. Fan Drive - Horton fan, "ON-OFF" - replaces 1181010

- k. Engine Brake - W/O ENG BRK
- l. Fuel-Water Separator - Cummins CNG coalescing fuel filter stanchion MTD on frame
- m. Fuel Equipment Water Heater (CA) - Fuel equipment, heater for the CNG supply regulator
- n. Battery Box-Mounting - Single box 3 batt perp, to frame 11" from NTOF
- o. Battery Box Cover - Basic battery box cover
- p. Battery Disconnect Switch - Without battery disconnect switch
- q. Emergency Start Studs - Without emergency start studs
- r. Hoses- Radiator/Heater - Silicone
- s. Tether DEV PKG, CAPS & Covers - Tether PK2 Batt box cover
- t. Engine Block Heater - 120 volt / 1.0 kw, cummins engine block heater
- u. Battery Shock Pads - Without battery shock pads
- v. Smart Idle Elevated Idle RPM Time - Increase 10 minutes maximum time

#### 5. CLUTCH/TRANS EQUIPMENT

- a. Driveline-Main - Meritor 18 MXL "xtended lube"
- b. Driveline-Interaxle - Meritor 17 MXL "xtended lube"
- c. Lubricants, Transmission - Transynd synthetic auto trans fluid
- d. Transmission Oil Cooler - Remote MTD oil cooler furnish for Allison transmission
- e. Prop Shaft Bearing Guard - Without prop shaft bearing guard
- f. Propeller Shaft Main, Unvsl JNT - Propeller shaft main, universal joint half-round type
- g. Prop Shaft Interaxl Univ Joint - Prop shaft interaxle, univ joint half-round type
- h. Transmission Torque Converter - Furnish-TC521 for use w/Allison (HD,RDS) transmission
- i. Transmission Protection - Without transmission protection
- j. Engine Smart Torque Feature - Engine smart torque feature, disabled

#### 6. FRONT AXLE EQUIPMENT/TIRES

- a. Front Axle - FXL 18 18000 LB-Mack 8200KG
- b. Spring-Front - 18,000 LB taperleaf 8200 KG
- c. Brake, Front - Cast iron brakedrum, front axle
- d. Front Axle Brakes - Bendix ES-165-06D 16.5 x 6 cast spider
- e. Front Axle Brake Dust Shield - Front brakes without dust shields
- f. Front Brake ADJ. Manufacture - Front brake adjustment, automatic haldex
- g. Front Brake Chamber MFG. - Front brake chamber manufacturer, MGM
- h. Brake lining Material Front - Brake lining material front, Eaton ES-600
- i. Hub Material, Front - Basic material hub (steel/cast iron), front
- j. Shock Absorber, Front - Without shock absorber, front
- k. Steering - XD120 Sheppard-Power
- l. Bump Stop, Front Suspension - Without bump stop, front suspension
- m. Front Brake Chamber Size - Front brake chamber 24SQ inches (service)

#### 7. REAR AXLE EQUIPMENT/TIRES

- a. Rear Axle-Tandem - S38"R" 38000LB-Mack 17200KG FAB HSNG
- b. Rear Axle Casing Width (CA) - Rear axle casing width, standard
- c. Lube Pump, Rear, Axle - Without lube pump, rear axle
- d. Carrier - Rear Axle - CRDP150/151
- e. Rear Axle Ratio - Ratio 3.79, rear axle
- f. Rear Suspension-Tandem - SS38- Mack multileaf
- g. Springs- Anti-Sway - W/O anti-sway
- h. Rear Susp. Beam Busings - Urethane bushings
- i. Bogie Spread, Rear - Bogie Spread, 1270MM (50.0")
- j. Suspension Leveling Devise (CA) Without susp. leveling device
- k. Rear Shock Absorber - Without shock absorber, rear
- l. Transverse Torque Rods, R Susp - Without rear suspension transverse torque rod
- m. Brakes-Rear - Bendix ES 165-07D 16.5x7 cast spider
- n. Brake Drums/Rotors-Rear - Cast iron brake drums
- o. Rear Brake ADJ Manufacture - Rear brake adjustment, automatic haldex
- p. Rear Brake Chamber Size - Rear brake chamber 30 / 30 SQ inches (service/emergency)
- q. Drive Axle Brake Dust Shield - Rear drive brakes without dustshields
- r. Brake Lining Material Drive - Brake lining material drive, Eaton EES-600
- s. HUB Material, Drive - Iron preset HUB, W/ integrated spindle nut



- t. HUB Oil Seal, Drive - Premium HUB seal, drive
- u. Power Divider Lockout - Without power divider
- v. Lubricants, Rear Axle - Petroleum oil in rear axle
- w. Rear Spring Insulator Mat'L - Rear spring insulator, rubber
- x. Spring Brake Chambers-Vendor - MGM Model TR-T; tamper-resistant brake chambers
- y. Traction Differential - W/O intr-whl/diffrentl optns
- a`. Spindle Nuts, Main Axle - Spindle nuts, main axle, ingergrated
- aa. ABS Sensor & Modulator - ABS 4 sensors & 4 modulators (front & rear axles)
- ab. Brake Chmbr Diaphragm Material - Brake chamber diaphragm, basic
- ac. Anti-Lock Brake System - Bendix KB (Eaton/Bosch)ABS
- ad. Axle alignment (CA) - Axle alignment, chassis report, send to customer

#### 8. PUSHER/TAG EQUIPMENT/TIRES

- a. Option Center Support - W/O option center support

#### 9. FRAME EQUIPMENT/FUEL TANKS

- a. Wheel Base - 210"
- b. AF (Overhang) 96"
- c. Frame Rails - Steel-5/16" X 13 1/4" X 3 1/4"
- d. Frame Inner Liner - Without liner
- e. Front Frame Ext. (Bolted On) - Without front frame extension, bolted on
- f. Crossmembers - STL-1/2"Pl bolted BOC & intrmdt 1/8" BELO rail, GR5 BB, 1st xmbr boc rr 38. 17" from a line
- g. Frame Rail Free Space - Without frame rail clearance
- h. Rear Crossmember Options - Rear crossmember, straight frame end (Basic)
- i. Mudflap, Front Axle - Mudflap, front axle, basic (no anti-spray) short
- j. Front Bumper - Bumper, steel painted extended, including central tow-pin
- k. Guard, Under Engine BAYT - Without guard
- l. AUX Crossm. In Rear Overhang - Without Auxiliary Crossmember in Rear Overhang
- m. Crossmember, Bogie Type - Without crossmember, bogie
- n. Towing Device, Front - One pin towing device, front
- o. Towing Device, Rear - Without towing devices, rear
- p. Fuel Hoses, Liquid - Fuel hoses, high pressure
- q. Fuel Tank Position Liquid - Fuel tank position basic

#### 10. AIR/BRAKE

- a. Air Dryer Manufacturer - Wabco air dryer, 1800P with coalescing oil filter
- b. Airtank Drain Valve - Petcock drain valve, on brake sys tanks
- c. Airtank Material - Steel airtank
- d. Body Builder, Air Prep Kit - Without body builder air prepkit
- e. Air Dryer Position (CA) - Air dryer position standard
- f. Parking Brake Valve - Parking brake valve, 1 yellow knob, all parking
- g. Chassis Packaging (CA) - Without customer specified chassis packaging
- h. Auxiliary Airtank - Without aux, airtank

#### 11. ELECTRICAL

- a. Parking Brake Lighting - Without parking brake lighting
- b. Back-up Alarm - Without back-up alarm
- c. Aux, Power Outlet, Interior - Aux power outlet, 12V doghouse
- d. Headlight Lamp Type - Headlamp bulb type, halogen
- e. Tail Lamps - Tail lamp, multipurpose
- f. Warning Lights Body - Without warning light body
- g. Front & Side Indicator LMP TYP - Side indicator lamp type basic
- h. Daytime Running Lights - DRL when parking brake off

#### 12. TRAILER RCONNECTIONS

- a. Without exterior indicator lamp, main switch
- b. Trailer Connection Position (CA) - Without trailer connection position
- c. Trailer Brake Valve - Without trailer brake valve

#### 13. PTO/SPECIALTY EQUIPMENT

- a. Additional Electrical Schematic - Without additional electrical schematic
- b. Hydraulic Pump - W/O hydraulic pump
- c. Prop Shaft, Main To AUX Transm (CA) - Without prop shaft from main to aux transmission
- d. Certified Weight - Customer guaranteed weight, must be certified weight
- e. Rust Protection, Additional, (CA) - Without transp, rustprotection
- f. Transport Adaptation - Uniform load no adaptation
- g. PTO Engine Mounted, Rear - Without PTO engine rear
- h. Power Take Off Control - Without power rake off control
- i. Crankshaft Adapter - W/O front end PTO drive
- j. Body Builder PREP Pass Through - Without body builder prep.
- k. Body Builder Module - EL Prop kit, refuse (no pass thru, 9 & 29 Pin BOC), CTRL LINK2
- l. Unique Decals machine Directiv (CA) - Without decals
- m. PTO Transm. Mounted - Without PTO transm. Mounted

#### 14. CAB (A THRU G)

- a. Air Restriction Indicator - Mechanical, graduated, on filter
- b. Antenna, Radio - Antenna, radio, roof center front MTD, short rubber
- c. Antenna, Radio Control (CA) - Without antenna, radio control
- d. Audio Shutoff - Without automatic audio shutoff
- e. Blind Spot Vision SYS. Rear - Without prop kit for camera
- f. CAB - CA531
- g. CAB Auxiliary Fan (CA) - Without CAB auxiliary fan
- h. CAB Door Options - MR LH & RH sliding windows
- i. CAB Grab Handle - CAB grab handles, outer and inner, basic
- j. CAB A/C Unit - Manual controlled climate control air condition
- k. CAB Heater Unit - Without heater unit
- l. CAB Instep Version - CAB step version basic
- m. CAB Tilt Pump - Manual tilt pump
- n. CAB Step Panel Protection - Without CAB step panel protection
- o. Center Controle Console - Center console, basic
- p. Emblems Option - Emblems option, complete
- q. Fire Extinguisher (CA) W/O fire extinguisher option
- r. Forward Overhead Storage - Forward overhead STG, 2 radio shelf, driver side
- s. Front Grille - Painted grille (painted frame) silver
- t. Fuel Level Sender Unit, Liquid - Without liquid fuel level sender unit
- u. Gauge-Transmission Oil Temp - Transmission oil temp, gauge with high temp.
- v. Gauges-Unit Of Measure - U.S. Units (Predominant)
- w. Gearshift Inhibitor - Without gear shift inhibitor
- x. Number Of Auxiliary Gauges - Without auxiliary gauges
- y. Odometer - No hubodometer provided
- a`. Radio/Radio Accommodation - Premium stereo, AM/FM, cd-player, mp3, weather band

#### 15. CAB (H THRU R)

- a. Horn-Air - Black twin trumpet, under cab mounted
- b. Horn, Electrical - 1 single electric horn single tone
- c. Ignition Type - Ignition type, key
- d. Key Alike Chassis - All chassis keyed at random-2 keys
- e. Mirrors-Convex Type CAB Doors - W/O convex mirror
- f. Mirrors-Exterior - Bulldog-BR Fin
- g. Mirrors-proximity - Without proximity mirror
- h. Personalized Name Plate - Without personalized name plate
- i. Power Leads - Power lead, plug type, headliner MTD
- j. Roof Market Light - Standard type

#### 16. CAB (S THRU Z)

- a. Seat-Driver's - Air-Bostrom Talladega 905 series (mid back)
- b. Seat- Passenger's - Fixed-Mack (mid-back)
- c. Seat Belt(s) - Lap & shoulder (both seats) (not available with extended rider seat)
- d. Seat Covering - All cloth, black, driver & rider sears
- e. Steering Wheel - Diameter 450mm steering wheel, rubber grip V1

- f. Time Counter (CA) - Without time counter
- g. Windshield Protector - Without windsheild protector
- h. Windscreen WND Deflector - Without windscreen wind deflector

#### 17. WHEELS & TIRES

- a. Tires Brand/Type-Front - 11R22.5 H Bridgestone R283A Ecopoia (total for QTY=2)
- b. Tire Speed Limit - Tire speed limit basic
- c. Wheels-Front - 22.5 X 8.25 steel disc 11.25BC Hayes Lemmerz #90260;HP10 2 hand hole, hvy dty (6.12"INST)  
(total for qty = 2)
- d. Wheel Finishing, Front - Without wheel finishing front
- e. Front Axle Tire & Wheel Quantity - Two front tires & wheels
- f. Tires Brand/Type-Rear - 11R22.5 G Bridgestone R268 Ecopia (total for qty = 8)
- g. Wheels-Rear - 22.5 X 8.25 STL disc unimnt 10 Hayes Lemmerz #90541 2 hand hole WGT reduced (total for qty = 8)
- h. Rear Wheel Rim Clamp - Without rear wheel rim clamp
- i. Rear Disk Wheel:Polish - W/O RR disc whl-bright finish
- j. Rear Axle tire & Wheel Quantity - Eight rear axle tires & wheels
- k. Hub/Wheel Isolator Drive - Without hub/wheel isolator drive
- l. Wheel Nut & Finisher, Front - Wheel nut & finish basic, front
- m. Wheel Nut Finish, rear, (CA) - Wheel nut basic finish, rear
- n. Tire Inflation Valve - Tire inflation valve, standard
- o. Spare Wheel - Without spare wheel

#### 18. PAINT

- a. Paint/Vinyl Stripping - CAB Exterior - Single color
- b. Paint Color - Area A - Mack white 08282PP: P9188
- c. Paint Type - Solid paint
- d. Paint: Color-Area B - W/O area B paint color
- e. Paint: Color-Area C - W/O area C paint color
- f. Paint-CAB Paint System - Poly through coat w/o clear coat
- g. Paint-CAB Interior - W/O special CAB interior paint (paint exterior color)
- h. Paint-Chassis Runner Gear - Mack black: P3036
- i. Paint: Bumper - Paint bumper same color as Chassis running gear
- j. Paint: Fuel Tank - W/O optional fuel tank paint
- k. Front Wheel Paint - Front wheel powder coat, white
- l. Drive Wheel Paint - Drive wheel powder coat, white
- m. Paint: Disc Wheels-Front - Without paint
- n. Paint: Disc Wheels-Rear - Without paint
- o. Paint:Demount.Rims-Front - Without paint
- p. Paint:Demount. Rims-Rear - Without paint
- q. Paint:Spoke Wheels-Front - W/O optional spoke wheel paint
- r. Paint:Spoke Wheels-rear - W/O optional spoke wheel paint
- s. Paint-Hubs & Drums-Front - Same as Chassis running gear
- t. Paint: HUBS & Drums-Rear - Same as Chassis running gear

#### 19. APPLICATION PACKAGES

- a. Pilot Inspection - No Pilot Requested



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **MACK - MRU633 – (6X4 – NATURAL GAS – FRONT LOADER, REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #39**

#### **2017 Mack MRU633**

The Mack MRU633 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$125,273.09	\$125,273.09	\$125,273.09	\$125,273.09

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	MRU633			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$125,273.09	\$125,273.09	\$125,273.09	\$125,273.09

Order Code	Add Options	All Zones
	MP7-365HP	NA
	MP8-455HP	NA
	Mack T318-18 Speed	NA
	Allison 4500 5spd	NA
	50 gallon single tank	NA
	Dual 50 gallon tanks	NA
	Spicer-18 MXL "Xtended Lube	Incl.
	MACK FXL 14,600 LB	NA
	14,600 LB Leaf Spring	NA
	Meritor-40,000 LB	NA
	Mack- 40,000 lb multileaf	NA
	198" WB	NC
271205 <sup>1</sup>	205" WB	\$177.00 <sup>1</sup>
241OL1 <sup>1</sup>	Mack Air Disc Brakes	\$643.50 <sup>1</sup>
253AB3 <sup>1</sup>	Mack Air Disc Brakes	\$2,394.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 320 AUTOMATED SIDE LOADER (Specification #40)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt Model 320 Automated Side Loader	★Appalachia	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 Automated Side Loader	★Dogwood	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 Automated Side Loader	★Cardinal	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 Automated Side Loader	★Longleaf Pine	\$109,800.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 320 AUTOMATED SIDE LOADER**

### **SPECIFICATION #40**

2017 Peterbilt Model 320 Automated Side Loader

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. UNIT INFORMATION

- a. Model - 320
- b. Type - Full Truck

#### 2. APPLICATION INFORMATION

- a. Intended Service - Refuse/Landfill
- b. Commodity - Refuse, Scrap

#### 3. BODY

- a. Type - Automated Side Loader
- b. Length (ft) - 24
- c. Height (ft) - 13.5
- d. Max Laden Weight (lb) - 1,000

#### 4. RESTRICTIONS

- a. Length (ft) - 40
- b. Width (in) - 102
- c. Height (ft) - 13.5

#### 5. CHASSIS

- a. Front Axle Load (lbs) - 20,000
- b. Rear Axle Load (lbs) - 46,000
- c. GCW (lbs) - 66,000
- d. Road Conditions: Class A (Highway) - 100 Class B (Highway/Mountain) - 0 Class C (Off Highway) - 0 Class D (Off Road) - 0
- e. Maximum Grade - 6
- f. Wheelbase (in) - 221
- g. Overhang (in) - 76
- h. Front Axle to BOC (in) - 0.1
- i. Cab to Axle (in) - 220.9
- j. Cab to EOF (in) - 296.9
- k. Overall Comb. Length (in) - 355

#### 6. FRONT AXLE AND EQUIPMENT

- a. Dana Spicer D2000F 20,000lb, 3.5" Drop (Factory front axle alignment to improve handling and reduce tire wear. Zerk fittings on tie rod ends, king pins, and draglink ball joints for ease of maintenance and help extend service life of components. Cognis EMGARD (R) FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear and extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temps , extending component life.

- b. Power Steering Sheppard SD110 Dual (for use with 22,000 lb axle ratings. Glidekote splines on steering shaft extend service life of components)
- c. 5 in Drop IPO 3.5 in, Front Axle

## 7. REAR AXLE AND EQUIPMENT

- a. Synthetic Axle Lubricant All Axles (Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricants provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.
- b. Anti-Lock Braking System (ABS) 4S4M (ABS-6. Includes air braking system)
- c. SBM Valve (Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.
- d. Dana Spicer D46-170 46,000Lb (Interaxle diff lock air rocker occupied space of one gauge. Laser factory axle alignment to improve handling and reduce tire wear. Magnetic rear axle oil drain plug captures and holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD (R) FE 75W-90 synthetic axle lube provides 1% fuel economy improvement. Reduces wear and extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temps, extending component life.
- e. Long Stroke Parking Brakes, Drive Axle(s)

## 8. ENGINE AND EQUIPMENT

- a. Stainless Steel Grille
- b. Exhaust Vertical LH (DPF/SCR transverse mounted)
- c. PACCAR 160 Amp Alternator, Brushed
- d. PACCAR 12V Starter
- e. 3 PACCAR Premium 12V Dual Purpose Batt 2100 CCA (threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.
- f. 18.7 CFM Air Compressor (Furnished on engine. Teflon lined stainless steel braided compressor discharge line)
- g. 2-Speed Fan Clutch For Frequent Start/Stops
- h. PACCAR Fuel Filter/Water Separator, Unheated With water in fuel (WIF) sensor. In addition to the fuel filter supplied with the engine.
- i. High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in.
- j. Heavy Duty Air Cleaner - Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.

## 9. AIR AND TRAILER EQUIPMENT

- a. Nylon Chassis Hose
- b. Steel Painted Air Tanks (all air tanks are steel with painted finish except when code 4543330 polish aluminum air tanks is also selected ((then exposed air tanks outside the frame rails will be polished aluminum)). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed)
- c. Bendix AD-IS EP Air Dryer with Heater (extended purge ((for use with higher consumption applications)) an integrated system air dryer that incorporates the functions of the air dryer, purge reservoir ((which increases the drying capacity))wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. included easy-to-service spin-on dessicant cartridge)

## 10. FUEL TANKS

- a. DEF Tank 320
- b. Fuel Cooler (required with single fuel tank)

## 11. CAB AND EQUIPMENT

- a. Peterbilt Driver Seat



- b. Peterbilt Passenger Seat
- c. Two Piece Flat Windshield
- d. Gray Interior Color (includes ABS gray headliner, and rear cab panel, gray vinyl engine tunnel cover)
- e. 4.5 Inch Rubber Flares on Caband Wheel Well Fenders
- f. Vinyl Driver
- g. (1) Air Horn 15" Painted Mounted Under Cab
- h. Peterbilt Electric Windshield Wipers (with intermittent feature)
- i. Adjustable Steering Column - Tilt/Telescope
- j. Steering Wheel with Peterbilt Logo (steering wheel with embossed Peterbilt logo over horn button)
- k. Headlights Dual Rectangular Halogen
  - l. Air Restriction Indicator (mounted on air cleaner or intake piping)
- m. Main Transmission Oil Temperature Gauge (located in driver information display)
- n. Rear Window Back of Cab Std. Tint (18.5" x 54")
- o. (5) LED Clearance with (2) LED Marker Lights (includes five lights mounted on roof of cab and one cab side marker light mounted in front of each cab door)
- p. None Furnished Stop/Tail/Backup Lights (available with full truck only, not available with tractor)
- q. Non-Air Ride Driver
  - r. Low Back Driver
  - s. Non-Air Ride Passenger
  - t. Low Back Passenger
- u. Vinyl Passenger
- v. Backup Alarm Wiring with EOF

## 12. FRAME AND EQUIPMENT

- a. EOF Square without Xmbr (for use with body builder installed crossmember)

## 13. TRANSMISSION AND EQUIPMENT

- a. Console Mounted Push Button Shifter (Allison Transmission)



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 320 AUTOMATED SIDE LOADER SPECIFICATION #40**

#### **2017 Peterbilt Model 320 Automated Side Loader**

The Peterbilt Model 320 Automated Side Loader purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 320 Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Order Code	Delete Options	All Zones
0651090 <sup>1</sup>	Omit rear mudflaps and hangers <i>Standard</i> <sup>1</sup>	Std <sup>1</sup>
	PHP 10 Iron PreSet PLUS Hubs <i>Unable to quote truck without brakes</i> <sup>1</sup>	Std <sup>1</sup>
	18.7 CFM Air Compressor (Furnished on engine. Teflon lined stainless steel braided compressor discharge line) <i>Unable to quote without air compressor</i> <sup>1</sup>	Std <sup>1</sup>
	1710 Driveline Interaxle, Tandem Rear Axles <i>Cannot delete interaxle.</i> <sup>1</sup>	Std <sup>1</sup>
	Aluminum Space Saver Battery Box LH Back Of Cab <i>Must include batteries. Cannot delete</i> <sup>1</sup>	Std <sup>1</sup>
	Standard Paint Color Selection	Std
	Cummins ISX Power	NA
	Bendix Air Came Rear Drum Brakes 16.5 x 8.6 (Inc automatic slack adjusters and outboard mounted brake drums. Refer to TSB 11-57 for more information) <i>Cannot delete brakes</i> <sup>1</sup>	NA <sup>1</sup>
	FF: BR 20 Ply 315/80R22.5 M860A (diameter = 42.8 inches; SLR = 19.9 inches) <i>Cannot quote without tires and wheels</i> <sup>1</sup>	Std <sup>1</sup>
	RR: Accur Steel Armor 50344PK 22.5X8.25Heavy Duty, 5 Hand Holes	Std

Order Code	Add Options	All Zones
	10-3/4in Steel Rails 343-450in10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair	Std
0601500 <sup>1</sup>	Full steel inner liner	\$383.00 <sup>1</sup>
0620110 <sup>1</sup>	FEPTO Provision 9 in Bumper Extension (includes 1350 series front drive PTO attachment provision, radiator with PTO cut-out in grille, radiator protection sleeve, and bumper extension)	\$446.00 <sup>1</sup>
1380240 <sup>1</sup>	Dana Spicer Wide Track IPO Std., Front Axle (71" KPI IPO 69" E1202, E1322, E1462, D2000F front axles. For improved turning radius.	\$30.00 <sup>1</sup>
1114040 <sup>1</sup>	Taper Leaf Springs, Shocks 23,000lbs (standard with heavy resistance shocks)	\$231.00 <sup>1</sup>
1390540 <sup>1</sup>	Dust Shields, CAM Brakes, Front Axle	\$16.00 <sup>1</sup>
1391390 <sup>1</sup>	Long Stroke Brakes, Front Axle	\$16.00 <sup>1</sup>
1392970 <sup>1</sup>	Heavy Duty CAM Bushings, Steer Axle	\$17.00 <sup>1</sup>
1380280 <sup>1</sup>	Bendix Air Cam Front Drum Brakes 16.5x7For use with 16,000 lbs to 22,000 lbs steer axles or front drive axles. Includes automatic slack adjusters & outboard mounted brake drums.	\$67.00 <sup>1</sup>
1680440 <sup>1</sup>	Refuse Service Brakes, Steer and Drive Axle(s)	NC <sup>1</sup>
1680450 <sup>1</sup>	Rear Brake Camshaft Reinforcement	\$33.00 <sup>1</sup>
1680460 <sup>1</sup>	Heavy Wall, Drive Axle (s)	\$318.00 <sup>1</sup>
1616290 <sup>1</sup>	PHP10 Aluminum PreSet PLUS Hubs	\$1,124.00 <sup>1</sup>
	Ratio 5.38 Rear Axle	Incl.

<b>VEHICLE:</b>	Model 320 Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

	Hendrickson Haulmaax HMX 460 46,000lb, 54 in Axle (spacing, 60k creep rating)	Incl.
2057548 <sup>1</sup>	ISX12 350R 350@1800 GOV@2100 1450@1100Refuse Service (2013 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.N21320 N205 120..Standard Maximum Speed Limit [LSL]N21330 N207 0....Expiration DistanceN21340 P112 120..Hard Maximum Speed LimitN21350 P001 64...Maximum Accelerator Pedal Vehicle SpeedN21360 P110 0....Accelerator Lower DroopN21370 P059 64...Maximum Cruise SpeedN21380 P111 0....Cruise Control Lower DroopN21400 N203 252..Reserve Speed Function Reset DistanceN21410 N202 0....Maximum Cycle DistanceN21420 N206 10...Maximum Active DistanceN21430 N201 0....Reserve Speed Limit OffsetN21440 P015 No...Engine Protection ShutdownN21450 P026 Yes..Gear Down ProtectionN21460 P046 1400.Max PTO SpeedN21470 P062 No...Cruise Control Auto ResumeN21480 P068 No...Auto Engine Brake in CruiseN21500 N209 0....Expiration DistanceN21510 P520 Yes..Enable Idle Shutdown Park Brake SetN21520 P030 5....Timer SettingN21530 P233 Yes..Enable Impending Shutdown WarningN21540 P234 60...Timer For Impending Shutdown WarningN21550 P516 35...Engine Load ThresholdN21570 P031 No...Idle Shutdown Manual OverruleN21590 P230 Yes..Enable Hot Ambient Automatic OverruleN21610 P172 40...Low Ambient Temperature ThresholdN21620 P173 60...Intermediate Ambient Temperature ThresholdN21630 P171 80...High Ambient Temperature Threshold	\$8,685.00 <sup>1</sup>
	Engine Idle Shutdown Timer Enabled	
	Enable EIST Ambient Temp Overrule	\$0.00
	Eff EIST NA Expiration Miles	\$0.00
2539220 <sup>1</sup>	Battery Jumper Terminals Mtd in Front (of battery box)	\$104.00 <sup>1</sup>
	CARB Engine Idling Compliance (PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	\$0.00
	Engine Protection Shutdown (includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature)	\$0.00
	Effective VSL Setting NA	\$0.00
	Remote PTO And Throttle Provision	\$0.00
2539740 <sup>1</sup>	Kissling Battery Disconnect SwitchMounted on battery box	\$128.00 <sup>1</sup>
3381770 <sup>1</sup>	Curved Tip Standpipe (s)	\$27.00 <sup>1</sup>
3387890 <sup>1</sup>	36in Ht, 5in Dia Chrome, Clear Coat Standpipe(s)	\$35.00 <sup>1</sup>
	Stranded copper battery cables are double aught (00) or larger to reduce resistance	Incl.
	Kissling Battery Disconnect Switch (mounted on battery box) <i>Included in previous section</i> <sup>1</sup>	NA <sup>1</sup>
	2-Speed Fan Clutch for Frequent Start/Stops	Incl.
4052420 <sup>1</sup>	Allison 4500 RDS-P Transmission, Gen 5 (Rugged duty series. Includes rear transmission support, transynd transmission fluid, and water oil heat exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the mode and up and down buttons. A wrench icon will also be included to indicate when the transmission fluid,filter or clutches need servicing. ((Suited for vehicles operating on/off highway and/or requiring PTO operation) forward ratios: 1st - 4.70, 2nd - 2.21, 3rd - 1.53, 4th -	\$8,864.00 <sup>1</sup>

<b>VEHICLE:</b>	Model 320 Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

	1.00, 5th - 0.76, 6th - 0.67 / reverse ratios: DR - (5.55))	
4210150 <sup>1</sup>	1810 Driveline, 1 Midship BearingSlotted Rubber Mount	\$110.00 <sup>1</sup>
4256870 <sup>1</sup>	Allison Output Function S Neutral Indicator (For PTO, required on refuse packer applications. With this configuration neutral only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is in neutral, the PTO is automatically engaged and fast idle is initiated when the PTO switch is switched on. Also, with this configuration pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is on concurrently with shifting of the transmission to neutral.	NC <sup>1</sup>
4250720 <sup>1</sup>	Allison FuelSense Not Desired	NC <sup>1</sup>
4256740 <sup>1</sup>	Allison 6-Speed Configuration, Wide Ratio Gears (Allison 4500 transmission only)	NC <sup>1</sup>
4520420 <sup>1</sup>	Berg Pull Cord Drain Valve (s) - All air tanks	NC <sup>1</sup>
	FF: Accur Stl Armor 29039PK 22.5 x 9.00 (PHP 10-5 hand holes)	Incl.
	RR: BR 14ply 11R22.5 M710 EcopiaDiameter = 41.8 inches; SLR = 19.5 inches	Incl.
	Code - rear tire qty 8	Incl.
	Code- Rear rim qty 8	Incl.
	26in Aluminum 80 Gallon Fuel Tank LH BOC Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks. conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability and reduce potential for leaks) <i>Not compatible with configuration. Tank on Right side</i> <sup>1</sup>	NA <sup>1</sup>
	Location LH BOC Rear Most 80 Gallon	NA
	DEF Tank Mounted LH BOC (models 210, 220, and 320 mounted LH cab fender)	Std
	Standard DEF to Fuel Ratio 2:1 or Greater	Std
5652850 <sup>1</sup>	Perforated Metal Anti-Siphon Device(s)(Requires Engineering review with Arctic Fox or Split Fuel Tanks)	\$32.00 <sup>1</sup>
6122810 <sup>1</sup>	Steel Bumper Swept Back Painted (requires bumper extension, includes two front tow eyes with pins)	\$36.00 <sup>1</sup>
6132400 <sup>1</sup>	Notched Top Flange Of Bumper Includes cutout in radiator for F/O fepto	\$238.00 <sup>1</sup>
6030360 <sup>1</sup>	Mount Space Saver Battery Box Top Of Box 8inBelow top of frame	\$50.00 <sup>1</sup>
6939400 <sup>1</sup>	Air Ride Driver	\$128.00 <sup>1</sup>
7322010 <sup>1</sup>	Combo Fresh Air Heater/Air Conditioner (with radiator mounted condenser, dedicated side window defrosters, bi-level heater/defroster controls, 54,500 BTU/HR and silicone heater hoses <i>Quote includes ceiling mtd AC</i> <sup>1</sup>	NA <sup>1</sup>
7561260 <sup>1</sup>	Black LH/RH Tri-plane Mirrors, Heated, Mounted to Driver-Door & Passenger Front of Cab. Features: Heated on All Three Surfaces, Upper/Lower Mirrosr are Convex and Middle is a Flat Pane Motorized Mirror. Right Click on Option and Select Picture to See a Picture of the Mirror.	\$72.00 <sup>1</sup>
7725740 <sup>1</sup>	Mid-level Speaker Package for cab (4 speakers)	\$70.00 <sup>1</sup>
8133960 <sup>1</sup>	Daytime Running Lights (required on all Canadian units)	\$41.00 <sup>1</sup>
7725725 <sup>1</sup>	ConcertClass without CD, Includes BT Phone (includes audio, am/fm, wb, usb, and mp3)	\$267.00 <sup>1</sup>
7851330 <sup>1</sup>	Cab Tilt Pump Air Assist	\$92.00 <sup>1</sup>

<b>VEHICLE:</b>	Model 320 Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

6501090 <sup>1</sup>	53in LCF ProBilt Cab RH Drive Use with auto trans. Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12VDC charging outlet, header includes HVAC controls, rear cab corner windows, 18in bolt-on step on each side, self-canceling turn signals and Front Directional and Side Mounted Turn Signals.	\$715.00 <sup>1</sup>
7900090 <sup>1</sup>	Triangle Reflector Kit Shipped Loose	NC <sup>1</sup>
7040020 <sup>1</sup>	Diamond Plate Floor Covering on Driver side floor in place of Rubber Mat. In Dual Steer application RH Diamond Plate covering is standard. Single drive applications the Diamond Plate is optional.	NC <sup>1</sup>
8021015 <sup>1</sup>	Air Application Gauge Located in Driver Information Display	NC <sup>1</sup>
8021120 <sup>1</sup>	Warning Light Battery Disconnect, Switch Engaged (Marker light) external mounted.	NC <sup>1</sup>
	Heavy Duty Emissions Surcharge	Incl.
	Presentation Created Using Featured Spec (for model)	Incl.
	Base Coat/Clear Coat	Incl.
	N85020 A - L0006EB WHITE - STAND	Incl.
	N85500 CAB ROOF L0006EB WHITE-STAND	Incl.
	N85200 FRAME N 0001EA BLACK	Incl.
	N85700 BUMPER N0001EA BLACK	Incl.
	Shipping Destination00(Specify by narrative attached to option code). In Presentation Information screen add "See Instructions" for the Shipping Destination instead of Dealer code.N89900 New Way TrucksN89910 101 State StN89920 Scranton, IA 51462N89930 712) 652-3396 <i>Will be changed to reflect the exact delivery location</i> <sup>1</sup>	Incl. <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 320 COMMERCIAL FRONT LOADER (Specification #41)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt Model 320 Commercial Front Loader	★Appalachia	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 Commercial Front Loader	★Dogwood	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 Commercial Front Loader	★Cardinal	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 Commercial Front Loader	★Longleaf Pine	\$109,800.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 320 COMMERCIAL FRONT LOADER** **SPECIFICATION #41**

2017 Peterbilt Model 320 Commercial Front Loader

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. UNIT INFORMATION

- a. Model - 320
- b. Type - Full Truck

### 2. APPLICATION INFORMATION

- a. Intended Service - Refuse/Landfill
- b. Commodity - Refuse, Scrap

### 3. BODY

- a. Type - Commercial Front Loader
- b. Length (ft) - 12
- c. Height (ft) - 8.0
- d. Max Laden Weight (lb) - 2,000

### 4. RESTRICTIONS

- a. Length (ft) - 40
- b. Width (in) - 102
- c. Height (ft) - 13.5

### 5. CHASSIS

- a. Front Axle Load (lbs) - 20,000
- b. Rear Axle Load (lbs) - 46,000
- c. GCW (lbs) - 66,000
- d. Road Conditions: Class A (Highway) - 100 Class B (Highway/Mountain) - 0 Class C (Off Highway) - 0 Class D (Off Road) - 0
- e. Maximum Grade - 6
- f. Wheelbase (in) - 210
- g. Overhang (in) - 110
- h. Front Axle to BOC (in) - 0.1
- i. Cab to Axle (in) - 209.9
- j. Cab to EOF (in) - 319.9
- k. Overall Comb. Length (in) - 378

### 6. FRONT AXLE AND EQUIPMENT

- a. Dana Spicer D2000F 20,000lb, 3.5" Drop (Factory front axle alignment to improve handling and reduce tire wear. Zerk fittings on tie rod ends, king pins, and draglink ball joints for ease of maintenance and help extend service life of components. Cognis EMGARD (R) FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear and extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temps , extending component life.



- b. Power Steering Sheppard SD110 Dual (for use with 22,000 lb axle ratings. Glidekote splines on steering shaft extend service life of components)
- c. 5 in Drop IPO 3.5 in, Front Axle

## 7. REAR AXLE AND EQUIPMENT

- a. Synthetic Axle Lubricant All Axles (Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricants provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.
- b. SBM Valve (Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.
- c. Dana Spicer D46-170 46,000 lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. N15200 rear axle ratio recommended by N15210 Allison with 6 spd to be 538N15220 but the 410 is available
- d. Long Stroke Parking Brakes, Drive Axle(s)
- e. PHP10 Iron PreSet PLUS Hubs

## 8. ENGINE AND EQUIPMENT

- a. Stainless Steel Grille
- b. Exhaust Vertical LH (DPF/SCR transverse mounted)
- c. PACCAR 160 Amp Alternator, Brushed
- d. PACCAR 12V Starter
- e. 3 PACCAR Premium 12V Dual Purpose Batt 2100 CCA (threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.
- f. 18.7 CFM Air Compressor (Furnished on engine. Teflon lined stainless steel braided compressor discharge line)
- g. 2-Speed Fan Clutch For Frequent Start/Stops
- h. PACCAR Fuel Filter/Water Separator, Unheated With water in fuel (WIF) sensor. In addition to the fuel filter supplied with the engine.
- i. High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in.
- j. Heavy Duty Air Cleaner - Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.

## 9. AIR AND TRAILER EQUIPMENT

- a. Nylon Chassis Hose
- b. Steel Painted Air Tanks (all air tanks are steel with painted finish except when code 4543330 polish aluminum air tanks is also selected ((then exposed air tanks outside the frame rails will be polished aluminum)). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed)
- c. Bendix AD-IS EP Air Dryer with Heater (extended purge ((for use with higher consumption applications)) an integrated system air dryer that incorporates the functions of the air dryer, purge reservoir ((which increases the drying capacity)) wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. included easy-to-service spin-on dessicant cartridge)

## 10. FUEL TANKS

- a. DEF Tank 320
- b. Fuel Cooler (required with single fuel tank)

## 11. CAB AND EQUIPMENT

- a. Peterbilt Driver Seat
- b. Peterbilt Passenger Seat
- c. Two Piece Flat Windshield
- d. Gray Interior Color (includes ABS gray headliner, and rear cab panel, gray vinyl engine tunnel cover)
- e. 4.5 Inch Rubber Flares on Cab and Wheel Well Fenders
- f. (1) Air Horn 15" Painted Mounted Under Cab
- g. Peterbilt Electric Windshield Wipers (with intermittent feature)
- h. Adjustable Steering Column - Tilt/Telescope
  - i. Steering Wheel with Peterbilt Logo (steering wheel with embossed Peterbilt logo over horn button)
  - j. Headlights Dual Rectangular Halogen
- k. Air Restriction Indicator (mounted on air cleaner or intake piping)
  - l. Main Transmission Oil Temperature Gauge (located in driver information display)
- m. Rear Window Back of Cab Std. Tint (18.5" x 54")
- n. (5) LED Clearance with (2) LED Marker Lights (includes five lights mounted on roof of cab and one cab side marker light mounted in front of each cab door)
- o. None Furnished Stop/Tail/Backup Lights (available with full truck only, not available with tractor)
- p. Non-Air Ride Passenger
- q. Low Back Passenger
- r. Vinyl Passenger
- s. 53in LCF ProBilt Cab LH Drive Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12VDC charging outlet, header includes HVAC controls and 12V power connection behind header cover, rear cab corner windows, 18in bolt-on step each side, self-canceling turn signals and front directional and side mounted turn signals
- t. Back-up Alarm Wiring to EOF

## 12. FRAME AND EQUIPMENT

- a. EOF Square without Xmbr (for use with body builder installed crossmember)

## 13. TRANSMISSION AND EQUIPMENT

- a. Console Mounted Push Button Shifter (Allison Transmission)
- b. Allison FuelSense BasicIncludes 5th Generation Controls, EcoCal and Dynamic Shift Sensing. For additional information see Product Portfolio.



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 320 COMMERCIAL FRONT LOADER SPECIFICATION #41**

#### **2017 Peterbilt Model 320 Commercial Front Loader**

The Peterbilt Model 320 Commercial Front Loader purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 320 Commercial Front Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Order Code	Delete Options	All Zones
	Omit rear mudflaps and hangers	Std
	(2) Solid Mount Cable Hooks	Incl.
	PHP 10 Iron PreSet PLUS Hubs <i>Unable to quote truck without hubs</i> <sup>1</sup>	NA <sup>1</sup>
	18in Ht, 5in Dia Chrome, Clear Coat Standpipe(s) <i>Cannot eliminate exhaust pipe</i> <sup>1</sup>	Std <sup>1</sup>
	Omit Engine Brake - ISX12 <i>The engine quoted here is PX9, so this request is NA</i> <sup>1</sup>	NA <sup>1</sup>
	1710 Driveline Interaxle, Tandem Rear Axles <i>Cannot delete interaxle</i> <sup>1</sup>	Std <sup>1</sup>
	Aluminum Space Saver Battery Box LH Back Of Cab <i>Cannot delete batteries or battery box</i> <sup>1</sup>	Std <sup>1</sup>
	Steel Bumper Swept Back Painted Requires bumper extension. Includes two front tow eyes with pins. <i>Cannot quote truck without bumper</i> <sup>1</sup>	Std <sup>1</sup>
	Cummins ISX Power <i>This truck has PX 9 not ISX</i> <sup>1</sup>	NA <sup>1</sup>
	Bendix Air Came Rear Drum Brakes 16.5 x 8.6 (Inc automatic slack adjusters and outboard mounted brake drums. Refer to TSB 11-57 for more information) <i>Cannot delete brakes</i> <sup>1</sup>	NA <sup>1</sup>
	FF: BR 20 Ply 315/80R22.5 M860A (diameter = 42.8 inches; SLR = 19.9 inches) <i>Cannot quote without tires and wheels</i> <sup>1</sup>	NA <sup>1</sup>
	RR: Accur Steel Armor 50344PK 22.5X8.25 Heavy Duty, 5 Hand Holes	NA
	Black LH/RH Dual Plane Mirrors, Heated Motorized, Mounted to Doors. Mirror Includes Fold-Away Feature. Right Click on Option Code to See Picture in Product Portfolio. Requires Mirror Mounted Convex Mirrors (7564160). <i>DOT requires rear view mirrors.</i> <sup>1</sup>	NA <sup>1</sup>

Order Code	Add Options	All Zones
	10-3/4in Steel Rails 343-450in10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair	Std
0601500 <sup>1</sup>	Full steel inner liner	\$383.00 <sup>1</sup>
0620110 <sup>1</sup>	FEPTO Provision 4-7/8in Bumper ExtensionIncludes 1350 Series Front Drive PTO Attachment Provision, Radiator with PTO Cut-Out in Grille, Radiator Protection Sleeve, and Bumper Extension	\$446.00 <sup>1</sup>
1380240 <sup>1</sup>	Dana Spicer Wide Track IPO Std., Front Axle (71" KPI IPO 69" E1202, E1322, E1462, D2000F front axles. For improved turning radius.	\$30.00 <sup>1</sup>
1114040 <sup>1</sup>	Taper Leaf Springs, Shocks 23,000lbs (standard with heavy resistance shocks)	<sup>1</sup>
1391390 <sup>1</sup>	Long Stroke Brakes, Front Axle	\$16.00 <sup>1</sup>
1392970 <sup>1</sup>	Heavy Duty CAM Bushings, Steer Axle	\$17.00 <sup>1</sup>

<b>VEHICLE:</b>	Model 320 Commercial Front Loader			
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<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

1390280 <sup>1</sup>	Bendix Air Cam Front Drum Brakes 16.5x7For use with 16,000 lbs to 22,000 lbs steer axles or front drive axles. Includes automatic slack adjusters & outboard mounted brake drums.	\$67.00 <sup>1</sup>
1680440 <sup>1</sup>	Refuse Service Brakes, Steer and Drive Axle(s)	NC <sup>1</sup>
1680450 <sup>1</sup>	Rear Brake Camshaft Reinforcement	\$33.00 <sup>1</sup>
1680470 <sup>1</sup>	Lube Pump, Drive Axle(s)	\$165.00 <sup>1</sup>
1680280 <sup>1</sup>	Bendix Smart ATC Traction Control	\$137.00 <sup>1</sup>
1682710 <sup>1</sup>	Anti-Lock Braking System (ABS) 6S6MABS-6. Includes air braking system.	\$228.00 <sup>1</sup>
1921470 <sup>1</sup>	Shock Absorbers For HMX Suspension	\$231.00 <sup>1</sup>
	Ratio 5.38 Rear Axle	NC
	Hendrickson Haulmaax HMX 460 46,000lb, 54 in Axle (spacing, 60k creep rating)	Incl.
2057548 <sup>1</sup>	ISX12 350R 350@1800 GOV@2100 1450@1100Refuse Service (2013 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.N21320 N205 120..Standard Maximum Speed Limit [LSL]N21330 N207 0....Expiration DistanceN21340 P112 120..Hard Maximum Speed LimitN21350 P001 70...Maximum Accelerator Pedal Vehicle SpeedN21360 P110 0....Accelerator Lower DroopN21370 P059 70...Maximum Cruise SpeedN21380 P111 0....Cruise Control Lower DroopN21400 N203 252..Reserve Speed Function Reset DistanceN21410 N202 0....Maximum Cycle DistanceN21420 N206 10...Maximum Active DistanceN21430 N201 0....Reserve Speed Limit OffsetN21440 P015 Yes..Engine Protection ShutdownN21450 P026 No...Gear Down ProtectionN21460 P046 1400.Max PTO SpeedN21470 P062 No...Cruise Control Auto ResumeN21480 P068 No...Auto Engine Brake in CruiseN21500 N209 0....Expiration DistanceN21510 P520 Yes..Enable Idle Shutdown Park Brake SetN21520 P030 5....Timer SettingN21530 P233 Yes..Enable Impending Shutdown WarningN21540 P234 60...Timer For Impending Shutdown WarningN21550 P516 35...Engine Load ThresholdN21570 P031 No...Idle Shutdown Manual OverruleN21590 P230 Yes..Enable Hot Ambient Automatic OverruleN21610 P172 40...Low Ambient Temperature ThresholdN21620 P173 60...Intermediate Ambient Temperature ThresholdN21630 P171 80...High Ambient Temperature Threshold	\$8,665.00 <sup>1</sup>
	Engine Idle Shutdown Timer Enabled	Incl.
	Enable EIST Ambient Temp Overrule	Incl.
	Eff EIST NA Expiration Miles	Incl.
	CARB Engine Idling Compliance (PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	Incl.
3010400 <sup>1</sup>	Engine Protection Shutdown (includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature)	NC <sup>1</sup>
	Effective VSL Setting NA	
2921090 <sup>1</sup>	Immersion Type Block Heater 110-120VStandard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	\$40.00 <sup>1</sup>
2939740 <sup>1</sup>	Kissling Battery Disconnect SwitchMounted on battery box	\$128.00 <sup>1</sup>
3381770 <sup>1</sup>	Curved Tip Standpipe (s)	\$27.00 <sup>1</sup>

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<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

3120450 <sup>1</sup>	Bugscreen-Removable Type Grill MtdAdditional clips at bottom of bugscreen.	\$52.00 <sup>1</sup>
	Stranded copper battery cables are double aught (00) or larger to reduce resistance	Incl.
	Kissling Battery Disconnect Switch (mounted on battery box) <i>Included in previous section<sup>1</sup></i>	Incl. <sup>1</sup>
	2-Speed Fan Clutch for Frequent Start/Stops	Incl.
4052420 <sup>1</sup>	Allison 4500 RDS-P Transmission, Gen 5 (Rugged duty series. Includes rear transmission support, transynd transmission fluid, and water oil heat exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the mode and up and down buttons. A wrench icon will also be included to indicate when the transmission fluid,filter or clutches need servicing. ((Suited for vehicles operating on/off highway and/or requiring PTO operation) forward ratios: 1st - 4.70, 2nd - 2.21, 3rd - 1.53, 4th - 1.00, 5th - 0.76, 6th - 0.67 / reverse ratios: DR - (5.55))	\$8,864.00 <sup>1</sup>
4210150 <sup>1</sup>	1810 Driveline, 1 Midship Bearing Slotted Rubber Mount	\$110.00 <sup>1</sup>
4258670 <sup>1</sup>	Allison Output Function S Neutral Indicator (For PTO, required on refuse packer applications. With this configuration neutral only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is in neutral, the PTO is automatically engaged and fast idle is initiated when the PTO switch is switched on. Also, with this configuration pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is on concurrently with shifting of the transmission to neutral.	NC <sup>1</sup>
4256740 <sup>1</sup>	Allison 6-Speed Configuration, Wide Ratio Gears (Allison 4500 transmission only)	NC <sup>1</sup>
4520420 <sup>1</sup>	Berg Pull Cord Drain Valve (s) - All air tanks	Incl. <sup>1</sup>
4540910 <sup>1</sup>	Compressor Discharge Line Test Valve	\$127.00 <sup>1</sup>
4520180 <sup>1</sup>	Air Tank Valve Guards	\$16.00 <sup>1</sup>
5220530 <sup>1</sup>	FF: Alcoa 893657 LVL1 22.5X9.00 Alum WheelPilot Mount	\$192.00 <sup>1</sup>
5169310 <sup>1</sup>	RR: BR 16ply 11R22.5 M799 Diameter = 42.0 inches; SLR = 19.5 inches	\$952.00 <sup>1</sup>
	Code - rear tire qty 8	Incl.
	Code- Rear rim qty 8	Incl.
	26in Aluminum 80 Gallon Fuel Tank LH BOCPaddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability and reduce potential for leaks) <i>Not compatible with configuration. Tank on right side<sup>1</sup></i>	NA <sup>1</sup>
	Location RH BOC 80 Gallon	NA
	DEF Tank Mounted LH BOC (models 210, 220, and 320 mounted LH cab fender)	Std
	Standard DEF to Fuel Ratio 2:1 or Greater	Std
6132400 <sup>1</sup>	Notched Top Flange Of Bumper Includes cutout in radiator for F/O fepto	\$238.00 <sup>1</sup>
6030360 <sup>1</sup>	Mount Space Saver Battery Box Top Of Box 8in Below top of frame	\$50.00 <sup>1</sup>
6030150 <sup>1</sup>	Rubber Battery Pad In Bottom Of (1) Battery Box (Mat in box that holds batteries only)	NC <sup>1</sup>
6939400 <sup>1</sup>	Air Ride Driver	\$128.00 <sup>1</sup>

<b>VEHICLE:</b>	Model 320 Commercial Front Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

	Combo Fresh Air Heater/Air Conditioner (with radiator mounted condenser, dedicated side window defrosters, bi-level heater/defroster controls, 54,500 BTU/HR and silicone heater hoses) <i>Quote includes ceiling mount AC</i> <sup>1</sup>	NA <sup>1</sup>
7851580 <sup>1</sup>	Front Cab Guard, Painted Black	\$216.00 <sup>1</sup>
7725740 <sup>1</sup>	Mid-level Speaker Package for cab (4 speakers)	\$70.00 <sup>1</sup>
8133960 <sup>1</sup>	Daytime Running Lights (required on all Canadian units)	\$41.00 <sup>1</sup>
7725725 <sup>1</sup>	ConcertClass without CD, Includes BT Phone (includes audio, am/fm, wb, usb, and mp3)	\$267.00 <sup>1</sup>
6939420 <sup>1</sup>	High Back Driver	\$18.00 <sup>1</sup>
6939460 <sup>1</sup>	Fabric Driver	\$42.00 <sup>1</sup>
7726010 <sup>1</sup>	Radio Mute when Allison Transmission in reverse - requires option 8140690 for M320 only.	\$417.00 <sup>1</sup>
7851330 <sup>1</sup>	Cab Tilt Pump Air Assist	\$92.00 <sup>1</sup>
7564160 <sup>1</sup>	Addtl Convex Mirrors, Mtd Top of LH/RH Dual Plane Mirrors	\$47.00 <sup>1</sup>
7851870 <sup>1</sup>	Rain Gutters Over Driver and Passenger Doors	\$40.00 <sup>1</sup>
8140690 <sup>1</sup>	Brake Lights Activated by Park Brake Requires Option 7726010	\$44.00 <sup>1</sup>
7900090 <sup>1</sup>	Triangle Reflector Kit Shipped Loose	NC <sup>1</sup>
8120550 <sup>1</sup>	(5) Light Guards On Marker Lights	NC <sup>1</sup>
6931120 <sup>1</sup>	Seat Belt Color Orange IPO Std. Black	NC <sup>1</sup>
8021015 <sup>1</sup>	Air Application Gauge Located in Driver Information Display	NC <sup>1</sup>
8021120 <sup>1</sup>	Warning Light Battery Disconnect, Switch Engaged (Marker light) external mounted.	NC <sup>1</sup>
	Heavy Duty Emissions Surcharge	NA
	Base Coat/Clear Coat	Incl.
	N85020 A - L0367EB DARK GREEN EF <i>This is the total for the Dark Green Metallic. All else is included.</i> <sup>1</sup>	\$232.00 <sup>1</sup>
	N85500 CAB ROOF L0367EB DARK GREEN EF	Incl.
	N85200 FRAME N0001EA BLACK	Incl.
	N85700 BUMPER N0001EA BLACK	Incl.
	Axalta Two Stage Effect - Metallic/Pearl Cab/Hood & Sleeper Only	Incl.
	Shipping Destination 00 (Specify by narrative attached to option code). In Presentation Information screen add "See Instructions" for the Shipping Destination instead of Dealer code. N89900 New Way Trucks N89910 101 State St N89920 Scranton, IA 51462 N89930 712) 652-3396 <i>Truck will be shipped per customer's specific instructions.</i> <sup>1</sup>	Incl. <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 320 DUAL STEER AUTOMATED SIDE LOADER (Specification #42)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt 320 Dual Steer Automated Side Loader	★Appalachia	\$116,763.00
Peterbilt of Charlotte	2017 Peterbilt 320 Dual Steer Automated Side Loader	★Dogwood	\$116,763.00
Peterbilt of Charlotte	2017 Peterbilt 320 Dual Steer Automated Side Loader	★Cardinal	\$116,763.00
Peterbilt of Charlotte	2017 Peterbilt 320 Dual Steer Automated Side Loader	★Longleaf Pine	\$116,763.00





# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 320 DUAL STEER AUTOMATED SIDE LOADER** **SPECIFICATION #42**

2017 Peterbilt 320 Dual Steer Automated Side Loader

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. UNIT INFORMATION

- a. Model - 320
- b. Type - Full Truck

### 2. APPLICATION INFORMATION

- a. Intended Service - Refuse/Landfill
- b. Commodity - Refuse, Scrap

### 3. BODY

- a. Type - Automated Side Loader
- b. Length (ft) - 20
- c. Height (ft) - 13.5
- d. Max Laden Weight (lb) - 1,000

### 4. RESTRICTIONS

- a. Length (ft) - 40
- b. Width (in) - 102
- c. Height (ft) - 13.5

### 5. CHASSIS

- a. Front Axle Load (lbs) - 20,000
- b. Rear Axle Load (lbs) - 46,000
- c. GCW (lbs) - 66,000
- d. Road Conditions: Class A (Highway) - 100 Class B (Highway/Mountain) - 0 Class C (Off Highway) - 0 Class D (Off Road) - 0
- e. Maximum Grade - 6
- f. Wheelbase (in) - 210
- g. Overhang (in) - 71.10001
- h. Front Axle to BOC (in) - 0.1
- i. Cab to Axle (in) - 209.9
- j. Cab to EOF (in) - 281
- k. Overall Comb. Length (in) - 339

### 6. FRONT AXLE AND EQUIPMENT

- a. Dana Spicer D2000F 20,000lb, 3.5" Drop (Factory front axle alignment to improve handling and reduce tire wear. Zerk fittings on tie rod ends, king pins, and draglink ball joints for ease of maintenance and help extend service life of components. Cognis EMGARD (R) FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear and extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temps , extending component life.

- b. Power Steering Sheppard SD110 Dual (for use with 22,000 lb axle ratings. Glidekote splines on steering shaft extend service life of components)
- c. 5 in Drop IPO 3.5 in, Front Axle

## 7. REAR AXLE AND EQUIPMENT

- a. Synthetic Axle Lubricant All Axles (Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricants provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.
- b. Anti-Lock Braking System (ABS) 4S4M (ABS-6. Includes air braking system)
- c. PHP10 Iron PreSet PLUS Hubs
- d. SBM Valve (Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.
- e. Dana Spicer D46-170 46,000Lb (Interaxle diff lock air rocker occupied space of one gauge. Laser factory axle alignment to improve handling and reduce tire wear. Magnetic rear axle oil drain plug captures and holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD (R) FE 75W-90 synthetic axle lube provides 1% fuel economy improvement. Reduces wear and extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temps, extending component life.

## 8. ENGINE AND EQUIPMENT

- a. Stainless Steel Grille
- b. Heavy Duty Air Cleaner (molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake)
- c. High Efficiency Cooling System (Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator and heater hoses enhance value, durability and reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant conditions to prevent engine damage. Radiator size by model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386:1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in
- d. 24" Ht, 5" Dia Chrome, Clear Coat Standpipe (s)
- e. Exhaust Vertical LH (DPF/SCR transverse mounted)
- f. PACCAR 160 Amp Alternator, Brushed
- g. PACCAR 12V Starter
- h. 3 PACCAR Premium 12V Dual Purpose Batt 2100 CCA (threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.
- i. 18.7 CFM Air Compressor (Furnished on engine. Teflon lined stainless steel braided compressor discharge line)

## 9. AIR AND TRAILER EQUIPMENT

- a. Nylon Chassis Hose
- b. Steel Painted Air Tanks (all air tanks are steel with painted finish except when code 4543330 polish aluminum air tanks is also selected ((then exposed air tanks outside the frame rails will be polished aluminum)). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed)
- c. Bendix AD-IS EP Air Dryer with Heater (extended purge ((for use with higher consumption applications)) an integrated system air dryer that incorporates the functions of the air dryer, purge reservoir ((which increases the drying capacity))wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. included easy-to-service spin-on dessicant cartridge)

## 10. FUEL TANKS

- a. DEF Tank 320
- b. Fuel Cooler (required with single fuel tank)

## 11. CAB AND EQUIPMENT

- a. Peterbilt Driver Seat
- b. Peterbilt Passenger Seat
- c. Two Piece Flat Windshield

- d. Gray Interior Color (includes ABS gray headliner, and rear cab panel, gray vinyl engine tunnel cover)
- e. 4.5 " Rubber Flares on Cab (N65040 OAR0)
- f. Vinyl Driver
- g. (1) Air Horn 15" Painted Mounted Under Cab
- h. Peterbilt Electric Windshield Wipers (with intermittent feature)
  - i. Adjustable Steering Column - Tilt/Telescope
- j. Steering Wheel with Peterbilt Logo (steering wheel with embossed Peterbilt logo over horn button)
- k. Headlights Dual Rectangular Halogen
  - l. Air Restriction Indicator (mounted on air cleaner or intake piping)
- m. Main Transmission Oil Temperature Gauge (located in driver information display)
- n. Rear Window Back of Cab Std. Tint (18.5" x 54")
- o. (5) LED Clearance with (2) LED Marker Lights (includes five lights mounted on roof of cab and one cab side marker light mounted in front of each cab door)
- p. None Furnished Stop/Tail/Backup Lights (available with full truck only, not available with tractor)

12. FRAME AND EQUIPMENT

- a. EOF Square without Xmbr (for use with body builder installed crossmember)

13. TRANSMISSION AND EQUIPMENT

- a. Console Mounted Push Button Shifter (Allison Transmission)



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 320 DUAL STEER AUTOMATED SIDE LOADER SPECIFICATION #42**

#### **2017 Peterbilt 320 Dual Steer Automated Side Loader**

The Peterbilt 320 Dual Steer Automated Side Loader purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$116,763.00	\$116,763.00	\$116,763.00	\$116,763.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	320 Dual Steer Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$116,763.00	\$116,763.00	\$116,763.00	\$116,763.00

Order Code	Delete Options	All Zones
	Omit rear mudflaps and hangers <i>Cannot delete</i> <sup>1</sup>	Std <sup>1</sup>
	PHP 10 Iron PreSet PLUS Hubs <i>Must include brakes</i> <sup>1</sup>	Std <sup>1</sup>
	18.7 CFM Air Compressor (Furnished on engine. Teflon lined stainless steel braided compressor discharge line)	Std
	1710 Driveline Interaxle, Tandem Rear Axles <i>Must include interaxle drive line</i> <sup>1</sup>	Std <sup>1</sup>
	Narrow Steel Battery Box Mtd. LH Back of Cab	Std
	Standard Paint Color Selection	Std
	Cummins ISX Power	NA
	Refuse Service Brakes, Steer and Drive Axles <i>Cannot delete</i> <sup>1</sup>	NA <sup>1</sup>
	Rear Brake Camshaft Reinforcement	\$62.00
	Lube Pump, Drive Axle (s) <i>Not in quoted spec.</i> <sup>1</sup>	NA <sup>1</sup>
	Ratio 5.38 Rear Axle <i>No difference in cost of rear ratios.</i> <sup>1</sup>	Incl. <sup>1</sup>
	Hendrickson Haulmaxx HMX460 46,000 lb, 54" Axle (spacing, 60K creep rating) <i>Must include rear suspension</i> <sup>1</sup>	<sup>1</sup>
	FF: BR 20 Ply 315/80R22.5 M860A (diameter = 42.8 inches; SLR = 19.9 inches) <i>Must have 315 Tires for 20,000 front axle</i> <sup>1</sup>	Incl. <sup>1</sup>
	RR: Accur Steel Armor 50408 PK 22.5x8.25 (PHP 10-2 hand holes) <i>This is the base steel wheel. Cannot delete.</i> <sup>1</sup>	Incl. <sup>1</sup>

Order Code	Add Options	All Zones
	10-3/4" Steel Rails 306-342" (10.75 x 3.5 x 375 dimension, 2,136,000 RBM; yield strength: 120,000 psi. Section modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair)	Std
	Full steel inner liner	\$383.00
	FEPTO Provision 9 in Bumper Extension (includes 1350 series front drive PTO attachment provision, radiator with PTO cut-out in grille, radiator protection sleeve, and bumper extension)	\$446.00
	Dana Spicer Wide Track IPO Std., Front Axle (71" KPI IPO 69" E1202, E1322, E1462, D2000F front axles. For improved turning radius.	\$30.00
	Taper Leaf Springs, Shocks 23,000lbs (standard with heavy resistance shocks)	\$231.00
	Dust Shields, CAM Brakes, Front Axle	\$16.00
	Bendix Air Cam Front Drum Brakes 16.5x6 (For use with 14,601 lbs to 22,000 lbs steer axles or FSD16 front drive axles. Includes automatic slack adjusters and outboard mounted brake drums)	\$67.00
	Refuse Service Brakes, Steer and Drive Axle(s)	Incl.
	Rear Brake Camshaft Reinforcement	\$33.00

<b>VEHICLE:</b>	320 Dual Steer Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$116,763.00	\$116,763.00	\$116,763.00	\$116,763.00

Heavy Wall, Drive Axle (s)	\$317.00
Lube Pump, Drive Axle (s)	\$165.00
SBM Valve (full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an ABM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle brakes if a failure exists in the rear air system.	Std
Bendix Air Came Rear Drum Brakes 16.5 x 8.6 (Inc automatic slack adjusters and outboard mounted brake drums. Refer to TSB 11-57 for more information)	Std
Diff Lock Tandem Axles (with speed interlock). Automatically disengages wheel diff lock at speeds above 25mph	\$1,105.00
Ratio 4.30 Rear Axle	Incl.
Hendrickson Haulmaax HMX 460 46,000lb, 54 in Axle (spacing, 60k creep rating)	Std
ISX12 350R 350@1800 GOV@2100 1350@1100 (2013 Emissions) includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.	\$8,665.00
Engine Idle Shutdown Timer Enabled	Incl.
Enable EIST Ambient Temp Overrule	Incl.
Eff EIST NA Expiration Miles	Incl.
Battery Jumper Terminals Mtd in Front (of battery box)	Incl.
Immersion Type Block Heater 110-120V (standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.)	\$40.00
CARB Engine Idling Compliance (PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	NC
PACCAR Fuel/Water Seperator, 12V heated (with engine in fuel (WIF) sensor, in addition to the fuel filter supplied with the engine)	\$62.00
Engine Protection Shutdown (includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature)	Incl.
2 Speed Fan Clutch for Frequent Start/Stops	Incl.
C Brake by Jacobs, ISX12, ISX12-G (includes two switches, A2 position on/off engine switch. As well as a 3 position up, down, hold range selector switch) <i>Included w ISX 12<sup>1</sup></i>	Incl. <sup>1</sup>
Curved Tip Standpipe (s)	\$27.00
Stranded copper battery cables are double aught (00) or larger to reduce resistance	Incl.
Kissling Battery Disconnect Switch (mounted on battery box)	Incl.
2-Speed Fan Clutch for Frequent Start/Stops	Incl.

<b>VEHICLE:</b>	320 Dual Steer Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$116,763.00	\$116,763.00	\$116,763.00	\$116,763.00

Allison 4500 RDS-P Transmission, Gen 5 (Rugged duty series. Includes rear transmission support, transynd transmission fluid, and water oil heat exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the mode and up and down buttons. A wrench icon will also be included to indicate when the transmission fluid,filter or clutches need servicing. ((Suited for vehicles operating on/off highway and/or requiring PTO operation) forward ratios: 1st - 4.70, 2nd - 2.21, 3rd - 1.53, 4th - 1.00, 5th - 0.76, 6th - 0.67 / reverse ratios: DR - (5.55))	\$8,664.00
1810 HD Driveline, 1 Midship Bearing (4.5" x .180 wall tubing)	\$110.00
Allison Output Function S Neutral Indicator (For PTO, required on refuse packer applications. With this configuration neutral only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is in neutral, the PTO is automatically engaged and fast idle is initiated when the PTO switch is switched on. Also, with this configuration pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is on concurrently with shifting of the transmission to neutral.	NC
Allison FuelSense Not Desired	NC
Allison 6-Speed Configuration, Wide Ratio Gears (Allison 4500 transmission only)	NC
Berg Pull Cord Drain Valve (s) - All air tanks	Incl.
FF: Accur Stl Armor 29039PK 22.5 x 9.00 (PHP 10-5 hand holes)	Incl.
RR: BR 14 PLY 11R 22.5 M843 (diameter = 42.5 inches; SLR = 19.9 inches)	\$816.00
Code - rear tire qty 8	Incl.
Code- Rear rim qty 8	Incl.
23" Aluminum 80 Gallon Fuel Tank LH BOC (Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability and reduce potential for leaks) <i>Not available with this configuration. Tank on Right side 1</i>	NA <sup>1</sup>
Location LH BOC 80 Gallon	NA
Fuel Tank Fill Rear (not available on under cab fuel tanks)	\$199.00
DEF Tank Mounted LH BOC (models 210, 220, and 320 mounted LH cab fender)	Incl.
Standard DEF to Fuel Ratio 2:1 or Greater	Incl.
Steel Bumper Swept Back Painted (requires bumper extension, includes two front tow eyes with pins)	\$237.00
Screen Over Air Intake Opening in Bumper	\$11.00
Air Ride Driver	\$128.00
High Back Driver	\$18.00
Seat Belt Color Orange IPO Std. Black	NC
Air Ride Passenger	\$128.00
High Back Passenger	\$18.00

<b>VEHICLE:</b>	320 Dual Steer Automated Side Loader			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$116,763.00	\$116,763.00	\$116,763.00	\$116,763.00

Combo Fresh Air Heater/Air Conditioner (with radiator mounted condenser, dedicated side window defrosters, bi-level heater/defroster controls, 54,500 BTU/HR and silicone heater hoses <i>Roof Mounted AC included</i> <sup>1</sup>	NA <sup>1</sup>
Black LH/RH Tri-Plane Mirrors, Heated (Mounted to driver-door and passenger front of cab, features: heated on all three surfaces, upper and lower mirrors are convex and middle is a flat plane motorized mirror.	NA
Mid-level Speaker Package for cab (4 speakers)	\$70.00
Daytime Running Lights (required on all Canadian units)	\$41.00
ConcertClass without CD, Includes BT Phone (includes audio, am/fm, wb, usb, and mp3)	\$267.00
Cab Tilt Pump Air Assist	\$92.00
53" LCF ProBilt Cab Dual Seated Drive (N65040 OAR0)	Incl.
Triangle Reflector Kit Shipped Loose	NC
Backup Alarm (107dB)	\$52.00
(1) F/O Load Light, Switch and 10 FT Wire Coil (under cab/sleeper)	\$33.00
53" LCF ProBilt Cab RH Drive (Use with auto trans, includes steel frames with alum. and fiberglass panels, all alum. doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans) door mounted arm rests, power windows, full insulation, rubber floor mats, ergono <i>This option removes the LH drive.</i> <sup>1</sup>	<sup>1</sup>
Heavy Duty Emissions Surcharge	Incl.
Presentation Created Using Featured Spec (for model)	Incl.
Base Coat/Clear Coat	Incl.
N85020 A - L0006EB WHITE - STAND	Incl.
N85500 CAB ROOF L0006EB WHITE-STAND	Incl.
N85200 FRAME N 0001EA BLACK	Incl.
N85700 BUMPER N0001EA BLACK	Incl.
Specify by narrative attached to option code. In presentation information screen add "see instructions" for the shipping destination instead of dealer code. N89900 Heil MFG PlantN89910 106 45th Street, NEN89920 Ft. Payne, AL 35967N89930 256-845-4913 <i>Price includes shipment as instructed by customer.</i> <sup>1</sup>	Incl. <sup>1</sup>





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 320 LCF (Specification #43)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt Model 320 LCF	★Appalachia	\$110,824.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 LCF	★Dogwood	\$110,824.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 LCF	★Cardinal	\$110,824.00
Peterbilt of Charlotte	2017 Peterbilt Model 320 LCF	★Longleaf Pine	\$110,824.00



# NORTH CAROLINA SHERIFFS' ASSOCIATION

## PETERBILT - MODEL 320 LCF SPECIFICATION #43

2017 Peterbilt Model 320 LCF

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. BASE MODEL

- a. Model 320 LCF
- b. Secondary Manufacturer
- c. Not Applicable

### 2. FRAME AND EQUIPMENT

- a. EOF Square without Xmbr - Use with body Builder Installed Xmbr
- b. Omit Rear Mudflaps & Hangers

### 3. FRONT AXLE & EQUIPMENT

- a. Dana Spicer D200F 20,000 lb - 3.5" drop
- b. Taper Leaf Springs, Shocks 20,000 lb
- c. Power Steering Sheppard SD110 Dual
- d. 5" Drop IPO 3.5"

### 4. REAR AXLE & EQUIPMENT

- a. Dana Spicer D46-170 46,000lb
- b. Long Stroke Parking Brakes
- c. Optional Longer Studs for Hub Piloted Wheel Systems
- d. Refuse Service Brakes, Steer and Drive Axles
- e. SBM Valve
- f. Ratio 4.78 Rear Axle

### 5. ENGINE & ENGINE EQUIPMENT

- a. Engine Idle Shutdown Timer Enabled
- b. Enable Eist Ambient Temp Overrule
- c. EFF Eist NA Expiration Miles
- d. Effective VSL Setting NA
- e. Carb Engine Idling ComplianceN250 120...STANDARD MAXIMUM SPEED LIMITN207 0.....EXPIRATION DISTANCE (N207)P112 120...HARD MAXIMUM SPEED LIMIT (P1)P001 65....MAXIMUM ACCELERATOR PEDAL VEP110 0.....ACCELERATOR LOWER DROOP (P11)P059 65....MAXIMUM CRUISE SPEED (P059)P111 0....CRUISE CONTROL LOWER DROOPN203 252...RESERVE SPEED FUNCTION SHEETN202 0....MAXIMUM CYCLE DISTANCE (N202)N206 10...MAXIMUM ACTIVE DISTANCE (N20)N201 0...RESERVE SPEED LIMIT OFFSETP015 YES...ENGINE PROTECTION SHUTDOWNP026 NO....GEAR DOWN PROTECTION (P026)P046 1400..MAX PTO SPEED (P046)P062 NO...CRUISE CONTROL AUTO RESUMEP068 NO....AUTO ENGINE BRAKE IN CRUISEN209 0....EXPIRATION DISTANCE (N209)P520 YES...ENABLE IDLE SHUTDOWN PARK BRP030 5....TIMER SETTING (P030)p233 YES...ENABLE IMPENDING SHUTDOWN WAP234 60...TIMER FOR IMPENDING SHUTDOWNP516 35....ENGINE LOAD THRESHOLD (P516)P031 NO....IDLE SHUTDOWN MANUAL OVERRULEP230 YES....ENDABLE HOT

AMBIENT AUTOMATIC P172 40....LOW AMBIENT TEMPERATURE THRE P173 60....INTERMEDIATE  
AMBIENT TEMPERATURE P171 80....HIGH AMBIENT TEMPERATURE THRE P160 AMP ALTERNATOR, 36 SI  
BRUSHLESS IMMERSION TYPE PRE-HEATER 110-120V LOCATED CENTER LH U/C

- f. 2-Speed Fan Clutch for Frequent Start/Stop
- g. High Efficiency Cooling System
- h. Wing Nut Style MTD Grille
- i. Heavy Duty Air Cleaner
- j. Exhaust Vertical LH

#### 6. TRANSMISSION & CLUTCH

- a. Transmission Approved Allison Scaan 251537
- b. Allison world Trans Primary Shift Schedule 2
- c. Allison 5th Gen RDs, Pkg 225 3000, 3500, 4000, 4500, 4700 Trans
- d. Allison Fuelsense Not Desired
- e. TC-521 Torque Converter Allison Transmission
- f. Console MTD Push Button Shifter - Allison Transmissions
- g. Allison 6-Speed Configuration 4500 Transmissions Only
- h. Allison Output Function 'S' Neutral Indicator for PTO
- i. Rolling Direction Change Inhibit Feature, Allison Transmissions

#### 7. AIR & TRAILER EQUIPMENT

- a. Bendix AD-IS EP Air Dryer w/Htr, "Extended Purge"
- b. Nylon Chassis Hose
- c. Compressor Discharge Line Test Valve

#### 8. TIRES & WHEELS

- a. RR: ACC STL ARMOR 50219PK 22.5x8.25 Heavy Duty
- b. Code-Rear Rim Qty. 08.

#### 9. FUEL TANKS

- a. Fuel Cooler
- b. Def Tank Mounted LH BOC
- c. Def Tank 320

#### 10. CAB & EQUIPMENT

- a. Key G479
- b. 4.5 Inch Rubber Flares on Cab
- c. Peterbilt Passenger Seat
- d. Non-Air Ride Passenger
- e. Low Back Passenger
- f. Vinyl Passenger
- g. Grey Interior Color
- h. Adjustable Steering Column Tilt/Telescope
- i. Steering Wheel with Peterbilt Logo
- j. Fixed Rear Window BOC STD Tint 18.5" x 54"
- k. Two-Piece Flat Windshield
  - l. (1) Air Horn 15" Painted Mounted Under Cab
- m. PB Elec Windshield Wipers w/Intermediate Feature
- n. Main Transmission Oil Temperature Gauge Located in Driver Information Display
- o. Air Restriction Indicator MTD on Air Cleaner or Intake Piping
- p. (5) LED Clearance, (2) LED marker Lights None Furnished Stop/Tail/Backup



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 320 LCF SPECIFICATION #43**

### **2017 Peterbilt Model 320 LCF**

The Peterbilt Model 320 LCF purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$110,824.00	\$110,824.00	\$110,824.00	\$110,824.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 320 LCF			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$110,824.00	\$110,824.00	\$110,824.00	\$110,824.00

Order Code	Delete Options	All Zones
	(2) Solid Mount Cable Hooks <i>Included in base model. No credit for delete</i> <sup>1</sup>	Incl. <sup>1</sup>
	PHP10 Aluminum Preset+ Hubs <i>Base spec has Iron Hubs</i> <sup>1</sup>	NA <sup>1</sup>
	Bendix Air Cam Rear Drum Brks 16.5x6 <i>Cannot delete brakes</i> <sup>1</sup>	NA <sup>1</sup>
	18" HT, 5" DIA Standpipe(s) Chrome with Clear Coat <i>Cannot delete exhaust pipe</i> <sup>1</sup>	NA <sup>1</sup>
	FF: BR 20PLY 315/80R22.5 M860APART: BR244329 FET: 122 <i>Cannot delete. Must have at lease 315 tires for 20,000 lb front.</i> <sup>1</sup>	NA <sup>1</sup>
	Aluminum Space Saver Battery Box LH BOC <i>Cannot delete batteries and battery box.</i> <sup>1</sup>	NA <sup>1</sup>
	Steel Bumper Swept Back Painted <i>Quoted least expensive steel bumper. Cannot delete.</i> <sup>1</sup>	NA <sup>1</sup>

Order Code	Add Options	All Zones
	Model 320 LCF	Std
	10-3/4" Steel Rails 343-450", 3/8" Rail Thickness	Std
0601500 <sup>1</sup>	Full Steel Inner Liner use w/10-1/2, 10-3/4, 10-5/8" Rails	\$383.00 <sup>1</sup>
0620110 <sup>1</sup>	FEPTO Prov 4-7/8" Bumper Extension	\$446.00 <sup>1</sup>
1390280 <sup>1</sup>	Bendix Air Cam Front Drum Brakes 16.5x7 16,000-22,000lb Str or Frt Drive	\$67.00 <sup>1</sup>
1391390 <sup>1</sup>	Long Stroke Brakes, Front Axle	\$16.00 <sup>1</sup>
1391410 <sup>1</sup>	Gusseted Cam Brackets, Steer Axle	\$15.00 <sup>1</sup>
1616290 <sup>1</sup>	PHP10 Aluminum Preset+ HUBS	\$111.00 <sup>1</sup>
1680280 <sup>1</sup>	Bendix Smart ATC Traction Control	\$137.00 <sup>1</sup>
	Rear Brake Camshaft Reinforcement	Incl.
1680470165 <sup>1</sup>	Lube Pump, Drive Axle(s)	\$165.00 <sup>1</sup>
1680490 <sup>1</sup>	Gusseted Cam Brackets, Drive Axle(s)	\$38.00 <sup>1</sup>
1682710 <sup>1</sup>	Anti-Lock Braking System (ABS) 6S6M	\$228.00 <sup>1</sup>
192470 <sup>1</sup>	Hendrickson HMX460 46,000 lbs, 54" AS Haulmaxx, 60K Creep Rating	Incl. <sup>1</sup>
1621470 <sup>1</sup>	Shock Absorbers for HMX Suspension	\$231.00 <sup>1</sup>
2057548 <sup>1</sup>	ISX12 350R 350@1800 GOV@2100 1450@1100 Refuse Service (2013 Emmissions)	\$8,665.00 <sup>1</sup>
2140150 <sup>1</sup>	Remote PTO & Throttle Provision	\$20.00 <sup>1</sup>
2511400 <sup>1</sup>	160 AMP Alternator, 36 SI Brushless	\$241.00 <sup>1</sup>
2521090 <sup>1</sup>	Immersion Type Pre-Heater	\$40.00 <sup>1</sup>
2939740 <sup>1</sup>	Kissling Battery Disconnect Switch Mounted on Battery Box 2/21/13: R-220 Per ASAp OMD (FJJ)	\$128.00 <sup>1</sup>

<b>VEHICLE:</b>	Model 320 LCF			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$110,824.00	\$110,824.00	\$110,824.00	\$110,824.00

2925930 <sup>1</sup>	DAVCO 382 Fuel Filter/Water Sep 120V & 12V Heat, W/O Return Lines	\$208.00 <sup>1</sup>
	Engine Protection w/Dash Label (Label n/a PX Engines)	Incl.
	Bugscreen -- Removable Type Grill MTD w/ADTL Clips @ BTM of Bugscreen	Incl.
	DPF/SCR Transverse MTD Curved Tip Standpipe(s)	Incl.
4052420 <sup>1</sup>	Allison 4500 RDS-P Transmission, Gen 5 Rugged Duty Series	\$8,864.00 <sup>1</sup>
4210150 <sup>1</sup>	1810 Driveline, 1 Midship Bearing Slotted Rubber Mount	\$110.00 <sup>1</sup>
4256910 <sup>1</sup>	Allison Transmisison Fluid Test Port Remote Coupler	\$67.00 <sup>1</sup>
4520180 <sup>1</sup>	Air Tank Valve Guards	\$16.00 <sup>1</sup>
4540910 <sup>1</sup>	Compressor Discharge Line Test Valve	\$127.00 <sup>1</sup>
5167310 <sup>1</sup>	RR: BR 16PLY 11R22.5 M843Part: BR11R225HM843Code-Rear Tire QTy 08.	\$816.00 <sup>1</sup>
5220530 <sup>1</sup>	FF: ALCOA 893657LVL1 22.5x9.00 ALUM WHEEL PILOT MOUNT	\$192.00 <sup>1</sup>
	26" ALUM 80 GAL FUEL TANK LH BOCLOCATION LH BEHIND CAB 080 GAL. <i>Not compatible with configuration. Tank on right side</i> <sup>1</sup>	NA <sup>1</sup>
5651390 <sup>1</sup>	Top of Fuel Tank 5" Below Top of Frame	\$199.00 <sup>1</sup>
	Rubber Battery Pad in Bottom (1) Battery Box	NC
	Mount Space Saver Batter Box Top of Box 8" Below Top o Frame	\$50.00
	Notched Top Flange of Bumper Inc Cutout in Radiator for F/O FEPTO	\$238.00
	53" LCF Probilt Cab RH Drive	\$715.00
	Key All Units Alike	NC
	Sears C2 Driver Seat	\$209.00
	Seat Belt Color Orange IPO Standard Black	NC
	Air Ride Driver	\$113.00
	Mid Back Driver (Sears Atlas 70 and C2 Only)	\$41.00
	Fabric Driver	\$23.00
	Combo Fresh Air heater/Air Conditioner <i>Ceiling mtd AC included in base specs</i> <sup>1</sup>	NA <sup>1</sup>
	Black LH/RH Dual Plane Mirrors, Heated Motorized, Driver-Door, Pass-Frt of Cab	Std
	Addtl Convex Mirrors, MTD Top of LH/RH Dual plane Mirrors	\$47.00
	Concertclass w/CD, Bluetooth Phone & Audio Inc. AM/FM, WB, USB & MP3	\$267.00
	Midlevel Speaker Package for Cab (4) Speakers	\$70.00
	Radio Mute when Allison Transmission in Reverse - Requires Option 8140690	\$159.00
	Cab Tilt Pump Air Assist	\$159.00
	(2) Horizontal Grabhndles Front of Cab Under Windshield	\$38.00
	Rain Gutters over Both Doors	\$40.00
	Triangle Relfector Kit ship Loose	\$11.00
	ECCO DS-1500 Reverse Motion Sensor use w/Backup Alarm	\$174.00
	Backup Alarm (87-112DB)Self Adjusting	Std

<b>VEHICLE:</b>	Model 320 LCF			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$110,824.00	\$110,824.00	\$110,824.00	\$110,824.00

Axle Temperature Gauges, Tandem Drive Located in Driver Information Display	\$26.00
Engine Oil Temperature Gauge located in Driver Information Display	\$18.00
Warning Light Battery Disconnect Switch Engaged (Marker Light)	
Indicator Light for F/O PTO Controls located in Driver Information Display	NC
Headlights Dual Rectangular Halogen	Std
(5) Light Guards on Marker Lights	
Daytime Running Lights Required on all Canadian Vehicles	\$41.00
Brake Lights Activated by Park Brake Requires Option 7726010	\$44.00
Steel Structure with Aluminum Skin and Fiberglass Roof	
Driver: Peterbilt or Sears	
Passenger: Peterbilt, Sears or 2 Person	
N/A	
N/A	
PACCAR PX-9	
Cummins ISX 12	
Cummins Westport ISLG	
Cummins Westport ISX12G	
Single Back of Cab	
Single (Vertical)	
Stainless Steel - Vertical	
Fuller Manual 10 or 13 Speed	
Allison Automatic 4, 5 or 6 Speed	
10 3/4" Steel	
Dana Spicer (12,000 lbs, 14,600 lbs or 20,000 lbs)	
Meritor (12,000 lbs Single)	
Meritor (36,000 lbs Tandem)	
Taper Leaf	
Iron or Aluminum	
Air Disc or Air Cam Drum	
Dana Spicer (21,000 lb, 23,000 lbs, 25,000 lbs, 26,000 lbs, 30,000 lbs)	
Meritor (21,000 lbs, 23,000 lbs)	
Dana Spicer (69,000 lbs)	
Meritor (66,000 lbs)	
Iron or Aluminum	
Air Disc or Air Cam Drum	
Bendix 4S4M, 6S4M or 6S6M Air	
Peterbilt AirTrac	

<b>VEHICLE:</b>	Model 320 LCF			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$110,824.00	\$110,824.00	\$110,824.00	\$110,824.00

Reyco 79KB	
Reyco 102	
Reyco 102AR	
Peterbilt Air Trac	
Peterbilt Air Leaf	
Peterbilt Low Air Leaf	
Hendrickson HN	
Hendrickson HMX	
Hendrickson RT	
Reyco 102	
Chalmers 854	
Neway	
Peterbilt Air Trac	
Neway	
Bridgestone, Goodyear or Michelin	
Steel or Aluminum 22.5" or 24.5"	
Bendix	
Steel or Aluminum	
Nylon or Wire Braid	
Optional End of Frame	
23" Aluminum 50 - 120 Gallon	
26" Aluminum 50-160 Gallon	
Steel or Aluminum	
Optional	
Steel and Painted or Chrome, Aluminum Polished	





## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 320 RESIDENTAL FRONT LOADER (Specification #44)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Appalachia	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Dogwood	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Cardinal	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Longleaf Pine	\$109,800.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 320 RESIDENTAL FRONT LOADER** **SPECIFICATION #44**

2017 Peterbilt Residential Front Loader - 320

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. BODY

- a. Length - 24 ft
- b. Height - 13.5 ft
- c. Max Laden Weight - 1000 lbs

#### 2. TRAILER

- a. Length - 0 ft
- b. Height - 0 ft
- c. Kingpin Inset - 0 in
- d. Corner Radius - 0 in

#### 3. RESTRICTIONS

- a. Length - 40 ft
- b. Width - 102 in
- c. Height - 13.5 ft

#### 4. CHASSIS

- a. Fr Axle Load - 18740 lbs
- b. Rr Axle Load - 46000
- c. G.C.W. - 66000
- d. Road Conditions: Class A (Highway)-100, Class B (Hwy/Mtn)-0, Class C (Off-Hwy)-0, Class D (Off-Road)-0
- e. Maximum Grade: -6
- f. Wheelbase - 210 in
- g. Overhand - 80 in
- h. Fr Axle to BOC 0.1 in
- i. Cab to Axle 209.9 in
- j. Cab to EOF - 289.9
- k. Overall Comb. - 347 in

#### 5. FRAME & EQUIPMENT

- a. EOF Square without Xmbr - For use with body builder installed crossmember. - 0
- b. Omit Rear Mudflaps and Hangers - 0

#### 6. REAR AXLE & EQUIPMENT

- a. Dana Spicer D46-170 46,000lb - Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provide improved fluid flow to protect components in extreme

- cold conditions & withstand the stress from high temperatures, extending component life. - 0
- b. Long Stroke Parking Brakes, Drive Axle(s) - 0
- c. SBM Valve - Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system. - 0
- d. Anti-Lock Braking System (ABS) 4S4M - ABS-6. Includes air braking system. - 0
- e. Synthetic Axle Lubricant All Axles - Peterbilt heavy duty models include Fuel Efficient Cognis EMBARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component. - 0

## 7. ENGINE & EQUIPMENT

- a. PACCAR 12V Starter - 0
- b. 3 PACCAR Premium 12V Dual Purpose Batt 2100 CCA - Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance. - 2
- c. 2-Speed Fan Clutch for Frequent Start/Stops - 0
- d. 18.7 CFM Air Compressor - Furnished on engine. Teflon lined stainless steel braided compressor discharge line. - 0
- e. PACCAR Fuel Filter/Water Separator, Unheated - With water in fuel (WIF) sensor. In addition to the fuel filter supplied with the engine. - 0
- f. High Efficiency Cooling System - Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEBPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in. - 0
- g. Stainless Steel Grille - 0
- h. Heavy Duty Air Cleanser - Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake. - 0
- i. Exhaust Vertical LH - DPF/SCR transverse mouted - 0
- j. 24in Ht, 5in Dia Chrome, Clear Coat Standpipe(s) - 0

## 8. TRANSMISSION & EQUIPMENT

- a. Allison FuelSense Basic - Includes 5th Generation Controls, EcoCal and Dynamic Shift Sensing. For additional information see Product Portfolio. - 0
- b. Console Mounted Push Button Shifter - Allison transmissions - 0

## 9. AIR & TRAILER EQUIPMENT

- a. Bendix AD-IS EP Air Dryer with Heater - Extended Purge (for use with high air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-pm dessicant cartridge. - 0
- b. Nylon Chassis Hoses - 0
- c. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. - 0

## 10. TIRE & WHEELS

- a. RR: Accur Stl Armor 50291PK 22.5x8.25 - Heavy Duty, Two Hand Holes - 0

## 11. FUEL TANKS

- a. 23in Aluminum 50 Gallon Fuel Tank RH BOC - Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks. - 0
- b. Fuel Cooler - Required with single fuel tank - 0
- c. DEF Tank 320 - 0

## 12. BATTERY BOX & BUMPER

- a. Steel Bumper Channel Painted - Includes two front tow eyes with pins - 0

### 13. CAB & EQUIPMENT

- a. 53in LCF ProBilt Cab LH Drive - Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12 VDC charging outlet, header includes HVAC controls and 12V power connection behind header cover, rear cab corner windows, 18in bolt-on step each side, self-canceling turn signals and front directional and side mounted turn signals
- b. 4.5 Inch Rubber Flares on Cab and Wheel Well Fenders - 0
- c. Peterbilt Drive Seat - 0
- d. Peterbilt Passenger Seat - 0
- e. Non-Air Ride Driver - 0
- f. Low Back Driver - 0
- g. Vinyl Driver - 0
- h. Non-Air Ride Passenger - 0
- i. Low Back Passenger - 0
- j. Vinyl Passenger - 0
- k. Gray Interior Color - 0
- l. Adjustable Steering Column - Tilt/Telescope - 0
- m. Steering Wheel with Peterbilt Logo - Steering Wheel with embossed Peterbilt logo over horn button - 0
- n. Rear Window Back of Cab Standard Tint - 18.5in x 54in
- o. Two Piece Flat Windshield - 0
- p. (1) Air Horn 15in Painted - Mounted under cab.
- q. Peterbilt Electric Windshield Wipers - with Intermittent Feature. - 0
- r. Main Transmission Oil Temperature Gauge - Located in Driver Information Display - 0
- s. Air Restriction Indicator - Mounted on air cleaner or intake piping. - 0
- t. Headlights Dual Rectangular Halogen - 0
- u. (5) LED Clearance with (2) LED Marker Lights - Includes (5) lights mounted on roof of cab and (1) cab side marker light mounted in front of each cab door. - 0
- v. None Furnished Stop/Tail/Backup Lights - Available with Full Truck only. Not available with Tractor. - 0

### 14. FRONT AXLE & EQUIPMENT

- a. Dana Spicer D2000F 20,000lb, 3.5in Drop - Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. - 0
- b. Power Steering Sheppard SD110 Dual - For use with 22,000lb axle ratings. Glidekote splines on steering shaft extend service life of components - 40
- c. PHP10 Iron PreSet PLUS Hubs-Air Disc - 0
- d. Severe Service Disc Brake Rotor - For refuse applications - 59
- e. 5in Drop IPO 3.5in., Front Axle - 0
- f. Air Disc Front Brakes - Complies with reduced stopping distance regulations. - 0



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 320 RESIDENTAL FRONT LOADER SPECIFICATION #44**

#### **2017 Peterbilt Residential Front Loader - 320**

The Peterbilt Residential Front Loader - 320 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Residential Front Loader - 320			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Order Code	Delete Options	All Zones
	Hendrickson Haulmaax HMX460 46,000lb 54in Axle - Spacing, 60K Creep Rating - PHP10 Aluminum Preset Plus Hubs – 0	
	Diff Lock Both Axles -(Air Rocker Switch occupies the space of one gauge) – 60	
	Refuse Service Brakes, Steer and Drive Axles – 0	
	Rear Brake Camshaft Reinforcement – 9	
	Lube Pump, Drive Axle(s) – 36	
	Bendix Air Cam Rear Drum Brakes16.5x8.6 - Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums. Refer to TSB 11-57 for more information. – 0	
	Ratio 5.38 Rear Axle – 0	
	PACCAR 130 Amp Alternator, Brushless w/Voltage - Regulator. Remote Sense is not available or needed with the PACCAR Alternator. At low engine RPM, the PACCAR Alternator puts out 80 amps verses 60 amps on other alternators. 12 Volt system with circuit protection for reliable easy maintenance & service. Weather pack silicone sealed electrical chassis connectors enhance valve, durability, reliability. Wires numbered every 4" or less.	
	PACCAR PX-9 380@1900 GOV@2100 1250@1400:(2013 emissions)includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.N21320 N205 120..Standard Maximum Speed Limit (LSL)N21330 N207 O....Expiration DistanceN21340 P005 120..Hard Maximum Speed LimitN21350 P001 70...Maximum Accelerator Pedal Vehicle SpeedN21360 P110 0....Accelerator	
	Engine Idle Shutdown Timer Enabled – 0	
	Enable EIST Ambient Temp Override – 0	
	Eff EIST NA Expiration Miles – 0	
	Effective VSL Setting NA – 0	
	CARB Engine Idling Compliance - PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard. – 0	
	Immersion Type Block Heater 110-120V - Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running. – 2	
	Battery Jumper Terminals Mtd In Front - Of Battery Box – 4	
	Kissling Battery Disconnect Switch - Mounted on battery box – 3	
	Engine Protection Shutdown - Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature. – 0	
	Curved Tip Standpipe(s) - 0	
	FF: Alcoa 823627 LVL1 Plt 22.5x12.25 Alm Whl - -82	
	Aluminum Space Saver Battery Box LH Back of Cab - -11	

<b>VEHICLE:</b>	Residential Front Loader - 320			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Chromed LH/RH Tri-plane Mirrors, Heated, Mounted to Doors. Chrome mirror shell/black arms. Fetures: Heated on All Three Surfaces, Upper/Lower Mirrors are Convex and Middle is a Flat Pane Motorized Mirror. Right Click on Option and Select Picture to See w Picture of the Mirror. -5

Order Code	Add Options	All Zones
	Allison 4500 RDS-P Transmisison, Gen 5Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter clutches on the shift selector. This information may be displayed using the Mode and UP and Down buttons. A wrench icon with also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.70, 2nd 2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67/Reverse Ratios: DR-(5.55) - 365	
	1810 HD Driveline, 1 Midship Bearing - 4.5in x .180 wall tubing - 70	
	1810 HS Driveshaft Between Main & Aux Trans - 20	
	(1) Dash Mounted Single Acting Air PTO Control - Standard with PTO engaged indicator light on Class 8 units. Occupies the space of one gauge. - 0	
	Allison 6-Speed Configuration, Wide Ratio Gears - Allison 4500 Transmission Only - 0	
	Allsion Output Function S Neutral Indicator - For PTO. Required on Refuse Packer Applicaitons. With this configuration NEUTRAL only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is the Neutral, the PTO switched On. Also, with this configuration Pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is On concurrently with shifting of the transmission to Neutral. - 0	
	Berg Pull Cord Drain Valve(s) - All Air Tanks - 0	
	Clear Outside Frame of All Air System Components LH BOC - 0	
	Clear Outside Frame of All Air System Components RH BOC - 0	
	Route air & Electric Lines to Allow Welding of sub frame to top of frame 8in forward of BOC to EOF - 0	
	FF: MN 20ply 425/65R22.5 XZU S - 92	
	RR: MN 16ply 11R22.5 XZY3 - Diameter= 41.8 inches; SLR=19.6 inches. Compares to Goodyear G288 MSa and Bridgestone M850 tread - 168	
	Code-rear Tire Qty 08	
	Code-rear Rim Qty 08 -	
	Location RH BOC 50 Gallon - 0	
	DEF Tank Mounted LH BOC - Models 210, 220 and 320 mounted LH cab fender - 0	
	Standard DEF to Fuel Ratio 2:1 or Greater - 0	
	Air Ride Driver - 0	
	Combo Fresh Air Heater/Air Conditioner - with radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses. - 4	
	ConcertClass wCD, Bluetooth Phone and Audio - Includes AM/FM, WB, USB and MPS. - 10	

<b>VEHICLE:</b>	Residential Front Loader - 320			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Midlevel Speaker Package for Cab - (4) Speakers - 6	
Rain Gutters Over Driver and Passenger Doors - 8	
Ecco DS-1500 Reverse Motion Sensor - Use with backup alarm. - 0	
Backup Alarm (87-112 Decibels) - Self Adjusting - 6	
Warning Light Battery Disconnect, Switch Engaged - (Marker light) eternal mounted. - 0	
(5) Light Guards on Marker Lights - 2	
Daytime Running Lights - (Required on Canadian units)-0	
Standard Paint Color Selection -0	
(1) Color Axalta Two Stage - Cab/HoodBase Coat/Clear CoatN85020 A - L0006EB WHITE-StandN85500 CAB ROOF L0006EB WHITE - StandN85200 FRAME N0001EA BLACKN85700 BUMPER N0001EA BLACK -0	
Medium Duty Emmissions Surcharge - 0	
Presentation Created using Featured Spec - For Model - 0	
Model 320 - 16,060	
Refuse, Scrap – 0	
Residential Front Loader – 0	
United State Registry - 0	
Not Applicable - 0	
10-3/4in Steel Rails 306-342 in - 10.75x3.5x.375 Dimension, 2,136,000RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair – 229	
Full Steel Inner Liner – 701	
FEPTO Provision 4-7/8in Bumper Extension - Includes 1350 Series Front Drive PTO Attachment Provision, Radiator with PTO Cut-Out in Grille, Radiator Protection Sleeve, and Bumper Extension – 45	
(2) Solid Mount Cable Hooks – 0	
Taper Leaf Springs, Shocks 23,000 lbs - Standard with Heavy Resistance Shocks. – 410	
14,000	
18,000	
20,000	
23,000	
40,000	
44,000	
46,000	
52,000	
LH Drive	
RH Drive	
Allison 4,000	
Allison 3,500	



<b>VEHICLE:</b>	Residential Front Loader - 320			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Allison 4,500	
PX9	
ISX12	
MX11	
RH Frame Clearing for Automated Side Loaders	
Front PTO Availability	



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 337 HOOKLIFT (Specification #45)</u></a>			
Piedmont Peterbilt LLC	2017 Peterbilt Model 337 Hooklift	★Appalachia	\$74,560.00
Piedmont Peterbilt LLC	2017 Peterbilt Model 337 Hooklift	★Dogwood	\$74,560.00
Piedmont Peterbilt LLC	2017 Peterbilt Model 337 Hooklift	★Cardinal	\$74,560.00
Piedmont Peterbilt LLC	2017 Peterbilt Model 337 Hooklift	★Longleaf Pine	\$74,560.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 337 HOOKLIFT** **SPECIFICATION #45**

2017 Peterbilt Model 337 Hooklift

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### 1. BODY

- a. Length - 24 ft
- b. Height - 13.5 ft
- c. Max Laden Weight - 1000 lbs
- d. Single Axle Packer

### 2. TRAILER

- a. Length - 0 ft
- b. Height - 0 ft
- c. Kingpin Inset - 0 in
- d. Corner Radius - 0 in

### 3. RESTRICTIONS

- a. Length - 40 ft
- b. Width - 102 in
- c. Height - 13.5 ft

### 4. CHASSIS

- a. Fr Axle Load - 10000 lbs
- b. Rr Axle Load - 20000 lbs
- c. G.C.W. - 35000 lbs
- d. Road Conditions: Class A (Highway)-100, Class B (Hwy/Mtn)-0, Class C (Off-Hwy)-0, Class D (Off-Road)-0
- e. Maximum Grade: 6
- f. Wheelbase - 208 in
- g. Overhang - 81.79999 in
- h. Fr Axle to BOC - 69.8 in
- i. Cab to Axle - 168.2 in
- j. Cab to EOF - 267.9
- k. Overall Comb. - 238 in

### 5. FRAME & EQUIPMENT

- a. EOF Square without Xmbr?
- b. Peterbilt Rear Mudflaps and Straight Hangers
- c. 10-5/8in Steel Rails 326-384 in
- d. 238 in Wheelbase

### 6. FRONT AXLE & EQUIPMENT

- a. Dana Spicer E12021 12,000lb; 3.5" drop. Factory front axle alignment to improve handling and reduce tire wear. Zerk fittings on tie rod ends, king pins, and drag link ball joints for ease of maintenance and help extend service life of

components. Cognis EMGARD FE75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temperatures, extending component life.

- b. Taper Leaf Springs, Shocks 12,000 lb
- c. Power Steering Sheppard HD94 - For use with 10,000 to 13,200 lb axle ratings
- d. Power Steering Reservoir Frame Mounted
- e. PHP10 Iron LMS Hubs-Air Disc
- f. Severe Service Disc Brake Rotor - For refuse applications
- g. Air Disc Front Brakes - Complies with reduced stopping distance regulations

## 7. REAR AXLE & EQUIPMENT

- a. Dana Spicer S23-190 23,000lb - Laser factory axle alignment to improve handling and reduce tire wear. Magnetic rear axle oil drain plug captures and holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions and withstand the stress from high temperatures, extending component life.
- b. PHP10 Aluminum LMS Hubs - 11-1/4" bolt circle. Includes a supplier extended coverage up to 3 years/350,000 miles for bearing and seals.
- c. Standard Stroke Parking Brakes - Drive Axle(s). Not for use on U.S. or Canada Tractors, other than Car Carriers
- d. Refuse Service Brakes, Steer and Drive Axles
- e. SBM Valve - Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.
- f. Stability system not selected or not available
- g. Single Drive Axle (Model 337)
- h. Anti-Lock Braking System (ABS) 4S4M - ABS-6. Includes air braking system.
- i. Bendix Air Cam Rear Drum Brakes 16.5x7 - Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums
- j. Ratio 3.58 Rear Axle
- k. Reyco 79KB Taper Leaf 21,000 lb

## 8. ENGINE & EQUIPMENT

- a. PACCAR PX-9 260@2200 GOV@2200 720@1300 - (2013 Emissions) Includes alum flywheel housing, cruise control, and J1939 provisions (provides an interface point for the Electronic Service Analysis-ESA and other PACCAR approved diagnostic tools). Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.N21320 N205 120..Standard Maximum Speed Limit [LSL]N21330 N207 0...Expiration DistanceN21340 P005 120...Hard Maximum Speed LimitN21350 P001 0...Accelerator Lower DroopN21370 P059 70....Maximum Cruise SpeedN21380 P111 0...Cruise Control Lower DroopN21400 N203 252.. Reserve Speed Function Reset DistanceN21410 N202 0...Maximum Cycle DistanceN21420 N206 10...Maximum Active DistanceN21430 N201 0...Reserve Speed Limit OffsetN21440 P015 No..Engine Protection ShutdownN21450 P026 No...Gear Down ProtectionN21460 P046 14000.Max PTO SpeedN21470 P062 No...Cruise Control Auto ResumeN21480 P068 No...Auto Engine Brake in CruiseN21500 N209 0...Expiration DistanceN21510 P520 Yes..Enable Idle Shutdown Park Brake SetN21520 P030 5....Timer SettingN21530 P233 Yes..Enable Impending Shutdown WarningN21540 P234 60....Timer For Impending Shutdown WarningN21550 P516 35...Engine Load ThresholdN21570 P030 No...Idle Shutdown Manual OverruleN21590 P230 Yes..Enable Hot Ambient Automatic OverruleN21610 P172 40...Low Ambient Temperature ThresholdN21620 P173 60...Intermediate Ambient Temperature ThresholdN21630 P171 80....High Ambient Temperature Threshold
- b. Engine Idle Shutdown Timer Enabled
- c. Enable EIST Ambient Temp Overrule
- d. Eff EIST NA Expiration Miles
- e. Effective VSL Setting NA
- f. CARB Engine Idling Compliance - PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard
- g. PACCAR 160 AMP Alternator, Brushed
- h. PACCAR 12V Starter
- i. 2 PACCAR Premim 12V Starting Batteries 2000 CCA - Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance
- j. On/Off Fan Clutch
- k. 18.7 CFM Air Compressor - Furnished on engine. Teflon lined stainless steel braided compressor discharge line.

- l. Spin-on Fuel Filter/Water Separator, Unheated - Frame Mounted. In addition to the fuel filter supplied with the engine.
- m. High Efficiency Cooling System - Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEBPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in. - 0
- n. Radial Seal, Dry Tape Air Cleaner, Frontal - Air Intake. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake. - 0
- o. Exhaust Single RH Side of Cab - DPF/SCR RH under cab. Includes cab entry RH under cab and full round stainless steel exhaust guard. - 0
- p. 24in Ht, 5in Dia Chrome, Clear Coat Standpipe(s)

#### 9. TRANSMISSION & EQUIPMENT

- a. Allison 3500 RDS-P Transmission, Gen 5 - Rugged Duty Series. Includes Rear Transmission Support, TranSynd Automatic Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.59, 2nd-2.25, 3rd-1.54, 4th-1.00, 5th-0.75, 6th-0.65/Reverse Ratios: DR-(5.00)
- b. 1710 HD Driveline, 2 Midship Bearings
- c. (1) Dash Mounted Single Acting Air PTO Control- Standard with PTO engaged indicator light on Class 8 units. Occupies the space of one gauge
- d. Allison 6-Speed Configuration, Wide Ratio Gears
- e. Allison FuelSense Basic - Includes 5th Generation Controls, EcoCal and Dynamic Shift Sensing. For additional information see Product Portfolio. - 0
- f. Dash Mounted Push Button Shifter

#### 10. AIR & TRAILER EQUIPMENT

- a. Bendix AD-IS Air Dryer with Heater - An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air sups and other air accessories. Includes easy-to-service spin-on dessicant cartridge
- b. Nylon Chassis Hoses
- c. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.
- d. Berg Junction Box at EOF Without Wiring

#### 11. TIRE & WHEELS

- a. FF: GY 14ply 11R22.5 G661 HSA - Diameter = 41.8 inches; SLR = 19.5 inches. Compares to Michelin XZE2 and Bridgestone R260F tread
- b. RR: GY 14ply 11R22.5 G572 1AD Fuel Max - Diameter = 42.1 inches; SLR = 19.7 inches.
- c. Code-rear Tire Qty 04
- d. FF: Accur Stl Armor 50291PK 22.5x8.25 - Heavy Duty, 2 Hand Holes
- e. RR: Accur Stl Armor 50291PK 22.5x8.25 - Heavy Duty, Two Hand Holes
- f. Code-rear Rim Qty 04

#### 12. FUEL TANKS

- a. 45 Gallon Rectangular Fuel Tank RH BOC
- b. Location RH BOC 45 Gallon
- c. DEF Tank Mounted LH BOC - Models 210, 220, and 320 mounted LH cab fender
- d. Standard DEF to Fuel Ratio 2:1 or Greater

#### 13. BATTERY BOX & BUMPER

- a. Steel Battery Box LH Under Cab, Non-Slip Step

- b. Aftertreatment RH U/C Alum Non-Slip Cab Entry - Step. DPF/SCR for diesel engines, catalyst for natural gas engines. On models 579 specifying chassis fairings, the box will be aerodynamic.
- c. Steel Styled Aero Bumper Painted Cab Color - Two Tow Pins

#### 14. CAB & EQUIPMENT

- a. Alum Csb 108 in BBC Metton Hood w/Bright Crown - Includes view window RH door and convex mirror over RH door
- b. Peterbilt UltraDriver Seat
- c. (2) Peterbilt Passenger Seat
- d. Non-Air Ride Driver
- e. High Back Driver
- f. Vinyl Driver
- g. Non-Air Ride Passenger
- h. Low Back Passenger
- i. Vinyl Passenger
- j. Adjustable Steering Column - Tilt Only
- k. Steering Wheel with Peterbilt Logo - Steering Wheel with embossed Peterbilt logo over horn button
- l. Interior Gray/Black - Includes rugged charcoal instrument panels, glare-resistant gray dash, black bezels on gauges, (2) power ports, monochromatic molded door pads with durable in-mold color, gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, (2) cup holders and map bin in dash- 0
- m. Day Cab Rear Windshield
- n. One Piece Curved Windshield
- o. Combo Fresh Air Heater/Air Conditioner -With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.
- p. Stainless Steel Mirrors 7x16 - Right click on option to see picture in product portfolio
- q. Air Horn None Furnished
- r. No Head Unit or Audio Speakers Selected
- s. Peterbilt Electric Windshield Wipers - with Intermittent Feature
- t. Air Restriction Indicator - Mounted on air cleaner or intake piping
- u. Main Instrumentation Panel, Graphics Display -Includes speedometer with tripodometer, tachometer with hourmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature. low oil pressure and low air pressure warning lights w/audible alarms, high beam, turn signal, low fuel, parking brake, and ice indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges
- v. Headlights Composite Fender Mounted - Integral Park, Turn, and Side Marker
- w. (5) Marker Lights, Aero LED - Lighting Emitting Diodes

#### 15. PAINT

- a. (1) Color Axalta Two Stage - Cab/Hood - Base Coat/Clear Coat; N85020 A- L0006EY White Standard; N85400 Hood Top L0006EY White-Stand; N85500 Cab Roof L0006EY White-Stand; N852000 Frame N0001EA Black; N857000 Bumper L0006EY White-Stand; N853000 Fender L0006EY White-Stand



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 337 HOOKLIFT SPECIFICATION #45**

#### **2017 Peterbilt Model 337 Hooklift**

The Peterbilt Model 337 Hooklift purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$74,560.00	\$74,560.00	\$74,560.00	\$74,560.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 337 Hooklift			
<b>DEALER:</b>	Piedmont Peterbilt LLC	Piedmont Peterbilt LLC	Piedmont Peterbilt LLC	Piedmont Peterbilt LLC
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$74,560.00	\$74,560.00	\$74,560.00	\$74,560.00

Order Code	Add Options	All Zones
	Aluminum	Incl.
	Metton 108" BBC	Incl.
	N/A	NA
6911700 <sup>1</sup>	Driver: Peterbilt UltraRide, Atlas 70 & 80, Rolltek <i>peterbilt ultra</i> <sup>1</sup>	Std <sup>1</sup>
6923160 <sup>1</sup>	Passenger: Peterbilt UltraRidge or 2-Person, Atlas 70 and 80 <i>2 person</i> <sup>1</sup>	Std <sup>1</sup>
2074207 <sup>1</sup>	PACCAR PX-9, 260-380 HP	Std <sup>1</sup>
2073209 <sup>1</sup>	PACCAR PX-7, 200-360 HP <i>260hp @660 tq</i> <sup>1</sup>	(\$1,948.00) <sup>1</sup>
	Under Hood	Incl.
3365040 <sup>1</sup>	Vertical Cab Mounted or Horizontal	Std <sup>1</sup>
	Stainless Steel - Vertical	Incl.
4040970 <sup>1</sup>	Fuller Manual 6, 10 or 11 speed <i>6spd</i> <sup>1</sup>	Std <sup>1</sup>
4041310 <sup>1</sup>	Fuller Automated 6 speed	\$3,425.00 <sup>1</sup>
	Allison Automatic 4, 5, or 6 speed	Incl.
	10 5/8" or 10 3/4" <i>10 5/8</i> <sup>1</sup>	Incl. <sup>1</sup>
1011875 <sup>1</sup>	Dana Spicer (8,000 lbs., 10,000 lbs., 12,000 lbs., 13,000 lbs.)	Incl. <sup>1</sup>
	Fabco (10,000 lbs., 12,000 lbs., 13,000 lbs.)	NA
	Marmon - Herrington (12,000 lbs)	NA
	Taper Leaf	Incl.
	Iron LMS or Aluminum LMS with Air Brakes, Iron with Hydraulic Brakes or All-Wheel Drive	Incl.
	Air Drum, Air Disc or Hydraulic Disc	Incl.
1513180 <sup>1</sup>	Drive Dana Spicer (17,000 lbs., 20,000 lbs., 21,000 lbs., 23,000 lbs.)	Incl. <sup>1</sup>
	N/A	NA
	Iron	Incl.
1687010 <sup>1</sup>	Air Drum, Air Disc or Hydraulic Disc <i>air drum</i> <sup>1</sup>	Incl. <sup>1</sup>
	Bendix 4S4M Air, Meritor Wabco Hydraulic	Incl.
	Peterbilt Air Trac (20,000 lbs., 23,000 lbs.)	
	Peterbilt Low Air Leaf (21,000 lbs.)	
1816140 <sup>1</sup>	Reyco (21,000 lbs., 23,000 lbs.)	Incl. <sup>1</sup>
	N/A	NA
	Bridgestone, Goodyear or Michelin	Incl.



<b>VEHICLE:</b>	Model 337 Hooklift			
<b>DEALER:</b>	Piedmont Peterbilt LLC	Piedmont Peterbilt LLC	Piedmont Peterbilt LLC	Piedmont Peterbilt LLC
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$74,560.00	\$74,560.00	\$74,560.00	\$74,560.00

	19.5", 22.5" Steel or Aluminum 22.5 <sup>1</sup>	Incl. <sup>1</sup>
	Black Molded, Stainless Steel	NA
	Jost or Holland	NA
	Bendix	Incl.
	Steel or Aluminum	Incl.
	Nylon	Incl.
	Optional	Incl.
	Steel 45 Gallon	Incl.
	23" Aluminum 50 - 100 Gallon	NA
	26" Aluminum 50 - 90 Gallon	NA
	Steel or Aluminum <i>steel</i> <sup>1</sup>	Incl. <sup>1</sup>
	Optional	NA
6121180 <sup>1</sup>	Steel stylized aerodynamic, aluminum swept back or aluminum channel <i>steel</i> <sup>1</sup>	Std <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 337 MEDIUM DUTY (Specification #46)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt Model 337 Medium Duty	★Appalachia	\$78,792.00
Peterbilt of Charlotte	2017 Peterbilt Model 337 Medium Duty	★Dogwood	\$78,792.00
Peterbilt of Charlotte	2017 Peterbilt Model 337 Medium Duty	★Cardinal	\$78,792.00
Peterbilt of Charlotte	2017 Peterbilt Model 337 Medium Duty	★Longleaf Pine	\$78,792.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 337 MEDIUM DUTY** **SPECIFICATION #46**

2017 Peterbilt Model 337 Medium Duty

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### **1. BODY DATA**

- a. LENGTH: 288.00 IN
- b. HEIGHT: 162.00 IN
- c. MAX WGT: 1,000.00 LBS

### **2. OPERATING LENGTH**

- a. LENGTH: 40.00 FT
- b. HEIGHT: 13.50 FT
- c. WIDTH: 102.00 IN

### **3. GAWR/GVWR**

- a. GAWR FRONT: 12,000.00 LBS
- b. GAWR REAR: 21,000.00 LBS
- c. GVWR: 33,000.00 LBS

### **4. FRAME AND EQUIPMENT**

- a. 10-3/4" STEEL RAILS 403-444" ; 3/8" RAIL THICKNESS
- b. CUSTOM WHEELBASE OR OVERHANG
- c. THREE-PIECE CROSSMEMBERS
- d. EOF SQUARE WITHOUT XMBR - USE WITH BODY BUILDER INSTALLED XMBR
- e. OMIT REAR MUDFLAPS & HANGERS

### **5. FRONT AXLE AND EQUIPMENT**

- a. DANA SPICER EI202I 12,000 LB
- b. TAPER LEAF SPRINGS, SHOCKS 12,000 LB
- c. POWER STEERING SHEPPARD HD94
- d. POWER STEERING RESERVOIR, FRAME MOUNTED
- e. PHPI0 ALUMINUM LMS HUBS
- f. DANA SPICER WIDE TRACK IPO STD FRONT AXLE(S)
- g. BENDIX AIR CAM FRONT DRUM BRAKES 16.5X5 10,000-14,600 LB STEER AXLES
- h. GUSSETED CAM BRACKETS, STEER AXLE

### **6. REAR AXLE AND EQUIPMENT**

- a. DANA SPICER S21-170 21,000 LB
- b. PHPI0 ALUMINUM LMS HUBS
- c. STANDARD STROKE PARKING BRAKES
- d. DIFF LOCK REAR-REAR OR SINGLE DRV AXLE
- e. REFUSE SERVICE BRAKES, STEER AND DRIVE AXLES
- f. GUSSETED CAM BRACKETS, DRIVE AXLE(S)

- g. SBM VALVE
- h. STABILITY SYSTEM NOT SELECTED OR NOT AVAILABLE
- i. SINGLE DRIVE AXLE
- j. ANTI-LOCK BRAKING SYSTEM (ABS) 4S4M
- k. BENDIX AIR CAM REAR DRUM BRKS 16.5X8.6
- l. RATIO 5.38 REAR AXLE
- m. REYCO 79KB TAPER LEAF 21,000 LBS

#### 7. ENGINE AND ENGINE EQUIPMENT

- a. PACCAR PX-7 280@2400 GOV@2600 660@1600(2013 EMISSIONS)
- b. ENGINE IDLE SHUTDOWN TIMER ENABLED
- c. ENABLE EIST AMBIENT TEMP OVERRULE
- d. EFF EIST NA EXPIRATION MILES
- e. EFFECTIVE VSL SETTING NA
- f. REMOTE PTO & THROTTLE PROVISION 12-PIN CONNECTOR ON ENGINE HARNESS
- g. CARB ENGINE IDLING COMPLIANCE
- h. PACCAR 160 AMP ALTERNATOR, BRUSHED
- i. IMMERSION TYPE BLOCK HEATER 110-120V LOCATED CENTER LH u/ c
- j. PACCAR STARTER 12V
- k. 2 PACCAR PREMIUM 12V DUAL PURPOSE BATTERIES, 1400 CCA
- l. BATTERIES IN LH BOX U/CAB
- m. BATTERY JUMPER TERMINAL MTD UNDER HOOD RH FRAME RAIL
- n. 2-SPEED FAN CLUTCH FOR FREQUENT START/STOPS
- o. 18.7 CFM AIR COMPRESSOR
- p. SPIN-ON FUEL FILTER/WATER SEP, 12V HEAT FRAME MTD
- q. ENGINE PROTECTION SHUTDOWN W/DASH LABEL (LABEL N/A PX ENGINES)
- r. HIGH EFFICIENCY COOLING SYSTEM
- s. RADIAL SEAL, DRY TYPE AIR CLEANER FRONTAL AIR INTAKE
- t. EXHAUST SINGLE RH HORIZONTAL DPF/SCR SERIES UNDER FRAME

#### 8. TRANSMISSION AND CLUTCH

- a. ALLISON 3500 RDS-P TRANSMISSION, GEN 5 RUGGED DUTY SERIES
- b. 1710 HD DRIVELINE, 2 MIDSHIP BEARINGS
- c. (1) DASH MTD SINGLE ACTING AIR PTO CTRL
- d. ALLISON FUELSENSE NOT DESIRED
- e. AUTO NEUTRAL ACTIVATES W/ PARKING BRAKE
- f. ALLISON 6-SPEED CONFIGURATION WIDE RATIO GEARS
- g. DASH MOUNTED PUSH BUTTON SHIFTER
- h. ROLLING DIRECTION CHANGE INHIBIT FEATURE, ALLISON TRANSMISSIONS

#### 9. AIR AND TRAILER EQUIPMENT

- a. BENDIX AD-IS AIR DRYER W/HTR
- b. BERG PULL CORDS - ALL AIR TANKS
- c. NYLON CHASSIS HOSE
- d. STEEL PAINTED AIR TANKS
- e. BODY CONNECTIONS 5FT BOC

#### 10. TIRES AND WHEELS

- a. FF: GY 14 PLY 11R22.5 G661 HSA
- b. RR: GY 14 PLY 11R22.5 G661 HSA
- c. CODE-REAR TIRE QTY 04
- d. FF: PBILT 886677 LVL1 22.5X8.25 ALM WHL
- e. RR: PBILT 886677 LVL1 22.5X8.25 ALM WHL
- f. CODE-REAR RIM QTY 04

#### 11. FUEL TANKS

- a. 26" ALUM 50 GAL FUEL TANK RH U/C NON-SLIP FUEL TANK STEP RH u/ c
- b. POLISH (1) NON-SLIP FUEL TANK STEP U/C TANK ONLY
- c. POLISH (1) ALUMINUM FUEL TANK

- d. POLISH ALL FUEL / HYDRAULIC TANK STRAPS
- e. LOCKING FUEL TANK CAP(S)
- f. DEF TANK MOUNTED RH UNDER CAB USE IN ADDITION TO DEF TANK OPTION
- g. STD DEF TO FUEL RATIO 2:1 OR GREATER
- h. POLISHED SS COVER FOR DEF TANK
- i. DEF TANK SMALL

## 12. BATTERY BOX AND BUMPER

- a. ALUMINUM BATTERY BOX LH u/ c NON-SLIP STEP
- b. RUBBER BATTERY PAD IN BOTTOM (1) BATTERY BOX
- c. POLISHING BATTERY/TOOL BOX(S) AFTERTREATMENT CAB ENTRY, COMPLETE
- d. HD BATTERY BOX STEP REINFORCEMENT
- e. STEEL STYLED AERO BUMPER CHROME2 TOW PINS

## 13. CAB AND EQUIPMENT

- a. ALUM CAB 108" BBC METTON HOOD W/BRIGHT FINISH CROWN
- b. SEVERE SERVICE CAB PACKAGE #1 INCLUDES ALUM SIDE SKINS, ALUM REAR
- c. THERMAL INSULATION PACKAGE IN CAB
- d. FENDER LIPS 2" WIDE
- e. PETERBILT ULTRARIDE DRIVER SEAT
- f. (2) PERSON PASSENGER SEAT
- g. DRIVERS ARMREST - RH ONLY
- h. AIR RIDE DRIVER
- i. HIGH BACK DRIVER
- j. VINYL DRIVER
- k. NON-AIR RIDE PASSENGER
- l. LOW BACK PASSENGER
- m. VINYL PASSENGER
- n. ADJUSTABLE STEERING COLUMN TILT/TELESCOPE
- o. STEERING WHEEL WITH PETERBILT LOGO
- p. INTERIOR GREY / BLACK
- q. DARK WINDOW TINT IPO STD - DAY CAB
- r. EXTENDED REAR WINDOW IPO STD - DAY CAB
- s. DAY CAB REAR WINDOW
- t. ONE-PIECE CURVED WINDSHIELD
- u. COMBO FRESH AIR HEATER/AIR CONDITIONER
- v. PB COMFORT CONTROL - CAB
- w. OUTSIDE SUNVISOR - STAINLESS STEEL N/A W/ 2.1M HR SLEEPER
- x. STNLS STL MIRRORS 7"X16" W/HEAT ELEMENT
- y. (2)CONVEX 8" SS MIRROR, CNTR MTD UNDER MIRROR BRKT; INCLUDES DUAL DOOR STOPS
- a`. POWER PACKAGE INCLUDES PWR DOOR LOCKS & WINDOWS
- aa. POLISHED LOWER MIRROR BRACKET COVERS
- ab. (2) AIR HORNS 24.5" CHROME - ROUND INCLUDES POLISHED HORN SHIELDS
- ac. STANDARD SPEAKER PACKAGE FOR CAB (2) SPEAKERS
- ad. CONCERTCLASS W/CD, BLUETOOTH PHONE & AUDIO INC. AM/FM, WB, USB & MP3
- ae. PLUG-IN AUTORESETCIRCUITBRKR IPO FUSES IN JUNCTION BOX
- af. PB ELEC WINDSHIELD WIPERS W/INTERMITTENT FEATURE
- ag. CABMATE CAB AIR SUSP
- ah. TRIANGLE REFLECTOR KIT - SHIP LOOSE
- ai. 5 LB 3A:40BC FIRE EXTINGUISHER CAB MTD
- aj. BACKUP ALARM(107DB)
- ak. AIR RESTRICTION INDICATOR MTD ON AIR CLEANER OR INTAKE PIPING
- al. (1) ADDITIONAL ELECTRIC SWITCH WITHOUT WIRING
- am. MAIN INSTRUMENTATION PANEL GRAPHICS DISPLAY
- an. HEADLIGHTS COMPOSITE FENDER MOUNTED INTEGRAL PARK, TURN, & SIDE MARKER
- ao. (5) MARKER LIGHTS, AERO LED
- ap. LED STOP/TURN/TAIL 40204 BACKUP, BRKT MTD LH/RH EOF
- aq. MOVEABLE EOF XMBR FOR MTG TAILLIGHTS WITH OR WITHOUT EOF XMBR & SQUARE EOF
- ar. (2) LOAD LIGHTS, FLUSH MTD LOW INBOARD LOCATION A

## 14. PAINT

- a. STANDARD PAINT COLOR SELECTION
- b. (1) COLOR AXALTA TWO STAGE PAINT CAB/HOOD
- c. SHIPPING DESTINATION (SPECIFY BY NARRATIVE)

15. MISCELLANEOUS

- a. MEDIUM DUTY EMISSIONS SURCHARGE
- b. PRESENTATION CREATED USING FEATURED SPEC FOR MODEL



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 337 MEDIUM DUTY SPECIFICATION #46**

#### **2017 Peterbilt Model 337 Medium Duty**

The Peterbilt Model 337 Medium Duty purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$78,792.00	\$78,792.00	\$78,792.00	\$78,792.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 337 Medium Duty			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$78,792.00	\$78,792.00	\$78,792.00	\$78,792.00

Order Code	Add Options	All Zones
	N205 120 . . .STANDARD MAXIMUM SPEED LIMIT	
	N207 0 . . . .EXPIRATION DISTANCE(N207)	
	P005 120 . . .HARD MAXIMUM SPEED LIMIT (PI	
	POO 1 72 . . .MAXIMUM ACCELERATOR PEDAL VE	
	PII0 0 . . . .ACCELERATOR LOWER DROOP (PII	
	P059 72 . . . .MAXIMUM CRUISE SPEED (P059)	
	PIII 0 . . . .CRUISE CONTROL LOWER DROOP	
	N203 252 . . .RESERVE SPEED FUNCTION RESET	
	N202 0 . . . .MAXIMUM CYCLE DISTANCE(N202	
	N206 10 . . . .MAXIMUM ACTIVE DISTANCE (N20	
	N201 0 . . . .RESERVE SPEED LIMIT OFFSET	
	P015 YES . . .ENGINE PROTECTION SHUTDOWN	
	P026 NO . . . .GEAR DOWN PROTECTION	
	P046 1400 . .MAX PTO SPEED	
	P062 NO . . . .CRUISE CONTROL AUTO RESUME	
	P068 NO . . . .AUTO ENGINE BRAKE IN CRUISE	
	N209 0 . . . .EXPIRATION DISTANCE	
	P520 YES . . .ENABLE IDLE SHUTDOWN PARK BR	
	P030 5 . . . .TIMER SETTING	
	P233 YES . . .ENABLE IMPENDING SHUTDOWN WA	
	P234 60 . . . .TIMER FOR IMPENDING SHUTDOWN	
	P516 35 . . . .ENGINE LOAD THRESHOLD	
	P031 NO . . . .IDLE SHUTDOWN MANUAL OVERRUL	
	P230 YES . . .ENABLE HOT AMBIENT AUTOMATIC	
	P172 40 . . . .LOW AMBIENT TEMPERATURE THRE	
	P173 60 . . . .INTERMEDIATE AMBIENT TEMPERA	
	P171 80 . . . .HIGH AMBIENT TEMPERATURE THR	
	BIG SWITCH BATTERY DISCONNECT***NLA***	
	ALLISON SCAAN #377146	
	ALLISON WORLD TRANS PRIMARY SHIFT SCHEDULE 1	
	ALLISON 5TH GEN RDS, PKG 223 3000, 3500, 4000, 4500, 4700 TRANS	
	TC-411 TORQUE CONVERTERALLISON TRANSMISSION	
	LOCATION RH UNDER CAB 050 GAL.	
	A - L0006EB ; WHITE - STAND	



<b>VEHICLE:</b>	Model 337 Medium Duty			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$78,792.00	\$78,792.00	\$78,792.00	\$78,792.00

FRAME N0001EA; BLACK	
FENDER L0006EB; WHITE - STAND	
HOOD TOP L0006EB; WHITE - STAND	
CAB ROOF L0006EB; WHITE - STAND	
PETERSEN INDUSTRIES	
4000 SR 60 W	
LAKE WALES FL 33859	
SAM PETERSEN 863.676.1493	
2013 EPA EMISSIONS ENGINE WARRANTY ONLY	



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 348 REAR LOADER/PUSH-OUT X (Specification #48)</u></a>			
Peterbilt of Knoxville	2017 Peterbilt Rear Loader/Push Out Model 348	★Appalachia	\$84,155.00
Peterbilt of Knoxville	2017 Peterbilt Rear Loader/Push Out Model 348	★Dogwood	\$84,155.00
Peterbilt of Knoxville	2017 Peterbilt Rear Loader/Push Out Model 348	★Cardinal	\$84,155.00
Peterbilt of Knoxville	2017 Peterbilt Rear Loader/Push Out Model 348	★Longleaf Pine	\$84,155.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 348 REAR LOADER/PUSH-OUT X**

### **SPECIFICATION #48**

2017 Peterbilt Rear Loader/Push Out Model 348

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### 1. BODY

- a. Length - 24 ft
- b. Height - 8.5 ft
- c. Max Laden Weight - 1000 lbs
- d. Tandem Rear Loader Small Roll-off

#### 2. TRAILER

- a. Length - 0 ft
- b. Height - 0 ft
- c. Kingpin Inset - 0 in
- d. Corner Radius - 0 in

#### 3. RESTRICTIONS

- a. Length - 65 ft
- b. Width - 102 in
- c. Height - 13.5 ft

#### 4. CHASSIS

- a. Fr Axle Load - 18180 lbs
- b. Rr Axle Load - 46000
- c. G.C.W. - 62000
- d. Road Conditions: Class A (Highway)-100, Class B (Hwy/Mtn)-0, Class C (Off-Hwy)-0, Class D (Off-Road)-0
- e. Maximum Grade: -6
- f. Wheelbase - 220 in
- g. Overhang -93.79999 in
- h. Fr Axle to BOC -69.8 in
- i. Cab to Axle 150.2 in
- j. Cab to EOF - 244.0
- k. Overall Comb. - 352 in

#### 5. FRAME & EQUIPMENT

- a. Three-Piece Crossmembers - 0
- b. EOF Square without Xmbr - For use with body builder installed crossmember. - 0
- c. Omit Rear Mudflaps and Hangers - 0

#### 6. REAR AXLE & EQUIPMENT

- a. Synthetic Axle Lubricant All Axles - Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow

to protect gears in extreme cold conditions and withstand the stress from high temperatures extending component life.

- 0

- b. SBM Valve - Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system. - 0
- c. Anti-Lock Braking System (ABS) 4S4M - ABS-6. Includes air braking system. - 0
- d. Bendix Air Cam Rear Drum Brakes 16.5x7 - Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums - 0
- e. Stability System Not Selected or Not Available - 0

## 7. ENGINE & EQUIPMENT

- a. PACCAR 12V Starter - 0
- b. 18.7 CFM Air Compressor - Furnished on engine. Teflon lined stainless steel braided compressor discharge line. - 0
- c. Spin-on Fuel Filter/Water Separator, Unheated - Frame Mounted. In addition to the fuel filter supplied with the engine. - 0
- d. High Efficiency Cooling System - Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEBPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in. - 0
- e. Radial Seal, Dry Tape Air Cleaner, Frontal - Air Intake. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake. - 0
- f. Exhaust Single RH Side of Cab - DPF/SCR RH under cab. Includes cab entry RH under cab and full round stainless steel exhaust guard. - 0

## 8. TRANSMISSION & EQUIPMENT

- a. Nylon Chassis Hose - 0
- b. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narrative requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. - 0

## 9. AIR & TRAILER EQUIPMENT

- a. Nylon Chassis Hoses - 0
- b. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. - 0

## 10. TIRE & WHEELS

- a. RR: Accur Stl Armor 50291PK 22.5x8.25 - Heavy Duty, Two Hand Holes - 0

## 11. FUEL TANKS

- a. DEF Tank Small - 0

## 12. BATTERY BOX & BUMPER

- a. Aftertreatment RH U/C Alum Non-Slip Cab Entry - Step. DPF/SCR for diesel engines, catalyst for natural gas engines. On models 579 specifying chassis fairings, the box will be aerodynamic. - 0

## 13. CAB & EQUIPMENT

- a. Alum Cab 108in BBC Metton Hood w/Bright Crown - Includes view window RH door and convex mirror over RH door. - 0
- b. Peterbilt UltraRide Driver Seat - 0
- c. Air Ride Driver - 0
- d. High Back Driver - 0
- e. Vinyl Driver - 0
- f. Vinyl Passenger - 0

- g. Adjustable Steering Column - Tilt Only - 0
- h. Steering Wheel with Peterbilt Logo - Steering Wheel with embossed Peterbilt logo over horn button - 0
- i. Vinyl Passenger - 0
- j. Interior Grey/Black - Includes rugged charcoal instrument panels, glare-resistant gray dash, black bezels on gauges, (2) power ports, monochromatic molded door pads with durable in-mold color, gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, (2) cup holders and map bin in dash- 0
- k. Day Cab Rear Window
- l. One Piece Curved Windshield - 0
- m. Combo Fresh Air Heater/Air Conditioner -With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses. - 0
- n. Peterbilt Electric Windshield Wipers - with Intermittent Feature. - 0
- o. (5) Marker Lights, Aero LED - Lighting Emitting Diodes - 0
- p. Air Restriction Indicator - Mounted on air cleaner or intake piping. - 0
- q. Main Instrumentation Panel, Graphics Display -Includes speedometer with tripodometer, tachometer with hourmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature. low oil pressure and low air pressure warning lights w/audible alarms, high beam, turn signal, low fuel, parking brake, and ice indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges - 0
- r. Headlights Composite Fender Mounted - Integral Park, Turn, and Side Marker - 0
- s. (5) Marker Lights, Aero LED - Light Emitting Diodes - 0

#### 14. FRONT AXLE & EQUIPMENT

- a. PHP10 Aluminum LMS Hubs - 11-1/4in bolt circle. Includes a supplier extended coverage up to 3 years/ 350,000 miles for bearing & seals. - 0



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 348 REAR LOADER/PUSH-OUT X SPECIFICATION #48**

#### **2017 Peterbilt Rear Loader/Push Out Model 348**

The Peterbilt Rear Loader/Push Out Model 348 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$84,155.00	\$84,155.00	\$84,155.00	\$84,155.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Rear Loader/Push Out Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$84,155.00	\$84,155.00	\$84,155.00	\$84,155.00

Order Code	Delete Options	All Zones
	Engine Idle Shutdown Timer Enabled – 0	Std
	Enable EIST Ambient Temp Override – 0	Std
	Eff EIST NA Expiration Miles – 0	Std
	Effective VSL Setting NA – 0	Std
	CARB Engine Idling Compliance - PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard. – 0	Std
2521090 <sup>1</sup>	Immersion Type Block Heater 110-120V - Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running. – 2	\$81.00 <sup>1</sup>
2140320 <sup>1</sup>	Remote Throttle Control Provision - Control Switch & Wiring EOF Only - 4	\$77.00 <sup>1</sup>
2539740 <sup>1</sup>	Kissling Battery Disconnect Switch - Mounted on battery box – 1	\$189.00 <sup>1</sup>
30105400 <sup>1</sup>	Engine Protection Shutdown - Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature. – 0	\$4.00 <sup>1</sup>
2074505 <sup>1</sup>	PACCAR PX-9 350@2000 GOV@200 1000@1400 - (2013 Emissions) Includes alum flywheel housing, cruise control, and J1939 provisions (provides an interface point for the Electronic Service Analysis-ESA and other PACCAR approved diagnostic tools). Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.N21320 N205 120...Standard Maximum Speed Limit [LSL]N21330 N207 0....Expiration DistanceN21340 P005 120...Hard Maximum Speed LimitN21350 P001 0....Accelerator Lower DroopN21370 P059 70....Maximum Cruise SpeedN21380 P111 0....Cruise Control Lower DroopN21400 N203 252.. Reserve Speed Function Reset DistanceN21410 N202 0....Maximum Cycle DistanceN21420 N206 10...Maximum Active DistanceN21430 N201 0....Reserve Speed Limit OffsetN21440 P015 No...Engine Protection ShutdownN21450 P026 No...Gear Down ProtectionN21460 P046 14000.Max PTO SpeedN21470 P062 No...Cruise Control Auto ResumeN21480 P068 No...Auto Engine Brake in CruiseN21500 N209 0....Expiration DistanceN21510 P520 Yes..Enable Idle Shutdown Park Brake SetN21520 P030 5....Timer SettingN21530 P233 Yes..Enable Impending Shutdown WarningN21540 P234 60....Timer For Impending Shutdown WarningN21550 P516 35...Engine Load ThresholdN21570 P030 No...Idle Shutdown Manual OverrideN21590 P230 Yes..Enable Hot Ambient Automatic OverrideN21610 P172 40...Low Ambient Temperature ThresholdN21620 P173 60...Intermediate Ambient Temperature ThresholdN21630 P171 80....High Ambient Temperature Threshold	\$3,407.00 <sup>1</sup>
2621000 <sup>1</sup>	2-Speed Fan Clutch for Frequent Start/Stops - 0	\$343.00 <sup>1</sup>
3381770 <sup>1</sup>	Curved Tip Standpipes(s) - 0	\$43.00 <sup>1</sup>
3010400 <sup>1</sup>	Engine Protection Shutdown - Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature. - 0	\$4.00 <sup>1</sup>
253810 <sup>1</sup>	2 PACCAR AGM 12V A Batteries 1600 CCA - Stranded copper battery cables are double aught (00) or larger to reduce resistance. - 0	\$172.00 <sup>1</sup>
3387890 <sup>1</sup>	36in Ht, 5in Dia Chrome, Clear coate Standpipe(s) - 4	\$52.00 <sup>1</sup>
	FF: Alcoa 893657 LVL1 22.5x9.00 Alm Whl - -38	NA

<b>VEHICLE:</b>	Rear Loader/Push Out Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$84,155.00	\$84,155.00	\$84,155.00	\$84,155.00

	Aluminum Space Saver Battery Box RH Back of Cab - -84	NA
	Aluminum Channel Bumper Stainless Steel Clad - Two Tow Pins - -4	NA
	PACCAR 130 Amp Alternator, Brushless w/Voltage - Regulator. Remote Sense is not available or needed with the PACCAR Alternator. At low engine RPM, the PACCAR Alternator puts out 80 amps verses 60 amps on other alternators. 12 volt system with circuit protection for reliable easy maintenance & service. Weather pack silicone sealed electrical chassis connectors enhance value, durability, reliability. Wires numbered every 4" or less. - -18	NA

Order Code	Add Options	All Zones
4052110 <sup>1</sup>	Allison 3000 RDS-P Transmisison, Gen 5Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter clutches on the shift selector. This information may be displayed using the Mode and UP and Down buttons. A wrench icon with also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.59, 2nd 1.86, 3rd-1.41, 4th-1.00, 5th-0.75, 6th-0.65/Reverse Ratios: DR-(5.03) - 110	\$9,936.00 <sup>1</sup>
	1710 HD Driveline, 2 Midship Bearing - 100	Incl.
	Allison FuelSense Not Desired - 0	NC
4266920 <sup>1</sup>	Dash Mounted Push Button Shifter - 0	\$619.00 <sup>1</sup>
	Allison 6-Speed Configuration, Wide Ratio Gears - 0	NC
	Allsion Output Function S Neutral Indicator - For PTO. Required on Refuse Packer Applicaitons. With this configuration NEUTRAL only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is the Neutral, the PTO switched On. Also, with this configuration Pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is On concurrently with shifting of the transmission to Neutral. - 0	NC
	Allison PTO enable on Mode Button - The PTO function C can be either on remote wire, or mode button. It depends on the selected input/output package. This function is enabled with the MODE button. Enabling the function alerts the TCM that PTO operation has been requested by the operator. When the function is enabled and all of the required operating conditions exist, the TCM activates Output G: PTO Enable by switching power to wire 130. When this function is enabled, the TCM disables the variabl	Incl.
	Auto Neutral Activates with Parking Brake - 0	\$16.00
	Bendix AD-IS EP Air Dryer with Heater - Extended Purge (for use with higher air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection vavle for air susp and other air accessories. Includes easy-to-service spin-on dessicant cartridge. - 39	NC
165193 <sup>1</sup>	Body Connections 5ft BOC - Junction Box contains light and power circuits for Body Connections located 5ft from BOC. - 4	\$132.00 <sup>1</sup>
	Berg Pull Cord Drain Valve(s) - All Air Tanks - 0	\$5.00



<b>VEHICLE:</b>	Rear Loader/Push Out Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$84,155.00	\$84,155.00	\$84,155.00	\$84,155.00

Bendix AD-IS EP Air Dryer with Heater - Extended Purge (for use with high air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-pm dessicant cartridge. - 39	\$139.00
Body Connections 5ft BOC - Junction Box contains light and power circuits for Body Connections located 5ft from BOC. - 4	\$132.00
FF: MN 20ply 315/80R22.5 XZA1 - Diameter = 42.5 inches; SLR = 19.6 inches. Compares to Goodyear G291 and Bridgestone R294 tread. -50	\$801.00
RR: MN 16ply 11R22.5 XDE M/S - Diameter=41.7 inches; SLR = 19.4 inches. Compares to Goodyear G328 and Bridgestone M711 tread. - 76	\$441.00
Code-rear Tire Qty 08 - 0	Incl.
Code-rear Rim Qty 08 -0	Incl.
RR: Accur STL Armor 50291PK 22.5x8.25 Heavy Duty, Two Hand Holes - 44	Incl.
Location LH U/C 70 Gallon - 0	Std
DEF Tank Mounted LH BOC - Models 210, 220 and 320 mounted LH cab fender - 0	Std
Standard DEF to Fuel Ratio 2:1 or Greater - 0	Std
Sever Service Cab Package #1 - Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab. - 39	\$94.00
Rubber Fender Lips 2 Inch Wide - 8	\$94.00
(2) Person Passenger Seat - 0	\$351.00
Stainless Steel Mirrors 7X16 with Heat Element - Right Click on Option to see Picture in Product Portfolio - 2	\$70.00
Low Back Passenger - 0	Std
Stainless Steel Mirrors 7x16 with Heat Element - Right Click on Option to see Picture in Product Portfolio - 2	\$198.00
(2) Convex 8 Inch SS Mirror - Centered mounted under mirror bracket. If rear view mirror are heated, the convex mirrors will be heated. Option includes dual door stops. -4	\$70.00
(1) Air Horn 15in Painted - Mounted under cab. - 8	\$161.00
LED Stop/Turn/Tail - 40204 Backup, bracket mounted LH/RH EOF - 2	\$19.00
Standard Speaker Package For Cab - (2) Speakers - 4	\$115.00
ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3. - 10	\$323.00
CB Terminals/Wiring Mtd Under Heater - 0	\$32.00
(2) Addl Dome/Reading Lights, Ceiling Mounted - 0	\$38.00
Standard Paint Color Selection -0	Std
(1) Color Axalta Two Stage - Cab/HoodBase Coat/Clear CoatN85020 A - L0006EB WHITE-StandN85400 HOOD TOP L0006EY WHITE - StandN85500 CAB ROOF L0006EY WHITE - StandN85200 FRAME N0001EA BLACKN85300 FENDER L0006EY WHITE - StandN85700 BUMPER N0001EA BLACK -0	\$1,037.00

<b>VEHICLE:</b>	Rear Loader/Push Out Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$84,155.00	\$84,155.00	\$84,155.00	\$84,155.00

Medium Duty Emmissions Surcharge - 0	Incl.
0	Incl.
Model 348 - 10,660	Std
Refuse, Scrap - 0	NC
Refuse/Landfill - Truck which picks up refuse or recycled material from curbside containers in residential area. Operation typically includes very frequent stops and starts. Unloading can be at transfer station or landfill (may enter landfill)- 0	NC
United State Registry - 0	Std
Rear Loader/Push-Out - 0	NC
Other - Secondary manufacturer (specify by narriative) N02000 nono - 0	Incl.
10-5/8in Steel Rails to 326-384 in - 10.65x3.45x.313 Dimension, 1,776,000RBM; Yield Strength: 120,000 psi. Section Modulus: 14.8 cubic inches. Weight: 1.44 lbs/inch pair - 328	Incl.
220in Wheelbase - 0	Incl.
Full Steel Inner Liner - 653	\$770.00
Taper Leaf Springs, Shocks 20,000 lbs - Standard with Heavy Resistance Shocks - 0	Incl.
Dana Spicer D212021 12,000lb,3.5in Drop - Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the s	(\$1,200.00)
Power Steering Sheppard HD94 Dual - For use with 16,000 to 20,000 lb axle ratings. - 0	Incl.
Power Steering Reservoir Frame Mounted w/Cooler - 0	Incl.
Bendix Air Cam Front Drum Brakes 16.5x6 - For use with 14,601lbs to 22,000lbs steer axles or FSD16 front drive axles. Includes automatic slack adjusters & outboard mounted brake drums - 0	(\$725.00)
Dust Shield, CAM Brakes, Front Axle - 0	\$26.00
Gusseted Cam Brackets, Steer Axle - 0	\$24.00
26in Aluminum 60 Gallon Fuel Tank LH U/C - Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduceds chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential leaks - -117	\$62.00
Dana Spicer D46-170 46,000lb - Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. - 2,525	Incl.
Long Stroke Parking Brakes, Drive Axle(s) - 20	Incl.
Dust Shields for Cam Brakes, Drive Axle(s) - 15	\$30.00
Diff Lock Both Axles (Air Rocker Switch occupies the space of one gauge). - 60	\$2,102.00

<b>VEHICLE:</b>	Rear Loader/Push Out Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$84,155.00	\$84,155.00	\$84,155.00	\$84,155.00

Lube Pump, Drive Axle(s) - 36	\$258.00
Upsize Parking Brake - 0	\$76.00
Heavy Duty Brake Drums, Drive Axle(s) - Use with 16.5x7 Brakes - 21	Incl.
Tandem Drive Axle (Model 348) - 0	Std
Ratio 5.57 Rear Axle - 0	Incl.
Hendrickson Haulmaxx HMX460 46,000lb, 54in Axle - Spacing, 60K Creep Rating - 593	Incl.
Tracking Rods, Rubber Center Bearings - R(T/E) 40.-523 - 99	NA
12,000	NC
14,000	\$765.00
18,000	\$1,566.00
20,000	\$1,566.00
40,000	\$8,184.00
44,000	\$9,256.00
46,000	\$10,466.00
PX9 <i>px9 300 hp</i> <sup>1</sup>	\$1,683.00 <sup>1</sup>
8, 9, 10, 13 Manual <i>10 speed</i> <sup>1</sup>	\$307.00 <sup>1</sup>
3,000, 3,500, 4,500 Allison Transmission <i>3000 rdsp allision</i> <sup>1</sup>	\$9,936.00 <sup>1</sup>
180-320	\$222.00
Air Driver	Std
Air Passenger	\$199.00
Stationary Driver and Passenger	(\$141.00)
Two Man Passenger	\$351.00
AC	Std
AM <i>included with blue tooth</i> <sup>1</sup>	Incl. <sup>1</sup>
FM <i>included w bluetooth</i> <sup>1</sup>	Incl. <sup>1</sup>
Bluetooth	\$373.00
CB <i>cobra</i> <sup>1</sup>	\$237.00 <sup>1</sup>
Aluminum	Std
50-110 Gallons <i>100 gallon</i> <sup>1</sup>	\$89.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 348 ROLL-OFF (Specification #49)</u></a>			
Peterbilt of Knoxville	2017 Peterbilt Model 348	★Appalachia	\$110,205.00
Peterbilt of Knoxville	2017 Peterbilt Model 348	★Dogwood	\$110,205.00
Peterbilt of Knoxville	2017 Peterbilt Model 348	★Cardinal	\$110,205.00
Peterbilt of Knoxville	2017 Peterbilt Model 348	★Longleaf Pine	\$110,205.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 348 ROLL-OFF** **SPECIFICATION #49**

2017 Peterbilt Model 348

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### **1. BASE MODEL**

- a. Model 348 - 10,660
- b. Refuse/On-Highway - Truck tractor which hauls refuse, recycled material, etc. Includes roll-on/roll-off container movement, as well as hauling refuse from transfer stations to, but not into, landfills. - 0
- c. Roll-Off - 0
- d. United States Registry - 0

### **2. RESTRICTIONS**

- a. Length 65 feet
- b. Width 102 inches
- c. Height 13.5 feet

### **3. CHASSIS**

- a. Fr Axle Load - 20000 lbs
- b. Fr Axle Load - 44000 lbs
- c. G.C.W. - 64000 lbs
- d. Road Conditions - Class A (Highway)- 100
- e. Maximum Grade - 6
- f. Wheelbase - 262 inches
- g. Overhang - 75 inches
- h. Fr Axle to BOC - 72.2
- i. Cab to Axle - 189.8 inches
- j. Cab to EOF - 264.8 inches
- k. Overall Comb. Length - 375 inches

### **4. BASE MODEL**

- a. Model 389 - 15,007
- b. City Delivery - 0 Truck or tractor which hauls freight, typically operating within a 100-mile radius, on public streets and highways and other paved surfaces. Typically includes package and freight delivery.
- c. Winch or Crane - 0
- d. United States Registry - 0

### **5. CONFIGURATION**

- a. Not Applicable - Secondary Manufacturer - 0

### **6. FRAME & EQUIPMENT**

- a. 10-3/4in Steel Rails 355-384 in 10.75x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair - 619
- b. Fuel Steel Inner Liner - 701

- c. Custom Wheelbase or Overhang - Engineering approval may be required.
- d. Three-Piece Crossmembers- 0
- e. Three-Piece Crossmembers - 0
- f. EOF Square without Xmbr - For use with body builder installed crossmember. - 0
- g. Omit Rear Mudflaps and Hangers - 0

## 7. FRONT AXLE & EQUIPMENT

- a. Dana Spicer D2000F 20,000lb, 3.5in Drop - Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins, & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. - 445
- b. Taper Leaf Springs, Shocks 20,000lb (Standard with Heavy Resistance Shocks)- 0
- c. Power Steering Sheppard TRW THP60 Dual(For use with 16,000 to 20,000lb. axle ratings. Gildekote splines on steering shaft extend service life of components) - 0
- d. Power Steering Reservoir Frame Mounted with Cooler - 2
- e. PHP10 Iron PreSet PLUS Hubs - 0
- f. Bendix Air Cam Front Drum Brakes 16.5 x 6 - For use with 14,601 lbs to 22,000 lbs steer axles or FSD16 front drive axles. Includes automatic slack adjusters & outboard mounted brake drums. - 0
- g. Gusseted Cam Brackets, Steer Axle

## 8. REAR AXLE & EQUIPMENT

- a. Meritor MT44-14X 44,000lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.
- b. PHP10 Aluminum PreSet PLUS Hubs - 0
- c. Standard Stroke Parking Brakes - Drive Axle(s). Not for use on U.S. or Canada Tractors, other than Car Carriers. - 0
- d. Diff Lock Both Axles - (Air Rocker Switch occupies the space of one gauge) - 60
- e. Refuse Service Brakes, Steer and Drive Axles - 0
- f. Rear Brake Camshaft Reinforcement - 9
- g. SBM Valve - Full truck requires a spring brake modulation (SBM)system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system. - 0
- h. Stability System Not Selected or Not Available - 0
- i. Anti-Lock Braking System (ABS) 4S4M - ABS-6. Includes air braking system. - 0
- j. Synthetic Axle Lubricant All Axles - Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.-0
- k. Bendix Air Cam Rear Drum Brakes 16.5x7-Inc automatic slack adjusters & outboard mounted brake drums.-0
- l. Tandem Drive Axle (Model 348) - 0
- m. Ration 3.58 Rear Axle- 0
- n. Hendrickson Haulmax HMX460 46,000 lb, 54in Axle - Spacing, 60K Creep Rating - 593

## 9. ENGINE & EQUIPMENT

- a. PACCAR PX-9 380@1900 GOV@2100 1250@1400 -(2013 Emissions) Includes integrated engine retarder and return fuel blending valve. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120..Standard Maximum Speed Limit [LSL]N21330 N207 0...Expiration DistanceN21340 P005 120..Hard Maximum Speed LimitN21350 P001 69...Maximum Accelerator Pedal Vehicle SpeedN21360 P110 0...Accelerator Lower DroopN21370 P059 69...Maximum Cruise SpeedN21380 P111 0...Cruise Control Lower DroopN21400 N203 252..Reserve Speed Function Reset DistanceN21440 N202 0...Maximum Cycle DistanceN21420 N206 10...Maximum Active DistanceN21430 N201 0...Reserve Speed Limit OffsetN21440 P015 Yes...Engine Protection ShutdownN21450 P026 NO...Gear Down ProtectionN21460 P046 1400.Max PTO SpeedN21470 P062 No....Cruise Control Auto ResumeN21480 P068 NO...Auto Engine Brake in CruiseN21500 N209

- 0....Expiration DistanceN21510 P520 Yes..Enable Idle Shutdown Park Brake SetN21520 P030 5....Timer SettingN21530 P233 Yes..Enable Impending Shutdown WarningN21540 P234 60...Timer fro Impending ShutdownN21550 P516 35...Engine Load ThresholdN21570 P031 No...Idle Shutdown Manual OverrideN21590 P230 Yes..Enable Hot Ambient Automatic OverrideN21610 P172 40...Low Ambient Temperature ThresholdN21620 P173 60...Intermediate Ambient Temperature ThresholdN21630 P171 80...High Ambient Temperature Threshold
- b. Engine Idle Shutdown Timer Enabled - 0
  - c. Enable EIST Ambient Temp Override - 0
  - d. Eff EIST NA Expiration Miles - 0
  - e. Enable VSL Setting NA -0
  - f. CARB Engine Idling Compliance DECLINED By - Dealer/Customer - 0
  - g. PACCAR 160 Amp Alternator, Brushed - 0
  - h. Immersion Type Block Heater 110-120V - Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running. - 2
  - i. PACCAR 12V Starter - 0
  - j. 2 PACCAR Premium 12V Starting Batteries 2000 CCA - Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance. - 0
  - k. 2-Speed Fan Clutch for Frequent Start/Stops - 0
  - l. 18.7 CFM Air Compressor - Furnished on engine. Teflon lined stainless steel braided compressor discharge line. - 0
  - m. C-Brake By Jacobs, PX-9 - 90
  - n. Spin-on Fuel Filter/Water Separator, Unheated - Frame Mounted. In addition to the fuel filter supplied with the engine. - 0
  - o. High Efficiency Cooling System - Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. Climax Tech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective 10 -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEOTIL 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in - 0
  - p. Radial Seal, Dry Type Air Cleaner, Frontal - Air intake. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake. - 0

## 10. TRANSMISSION & EQUIPMENT

- a. Allison 4500 RDS-P Transmission, Gen 5Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.70, 2nd-2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67/Reverse Ratios: DR-(5.55)- 475
- b. 1760 HD Driveline, 2 Midship Bearings - 80
- c. (1) Dash Mounted Single Acting Air PTO Control - Standard with PTO engaged indicator light on Class 8 units. Occupies the space of one gauge. - 0
- d. Allison 5th Gen RDS, Pkg 223 - 0
- e. Allison FuelSense Not Desired - 0
- f. Allison 6-Speed Configuration, Wide Ratio Gears - Allison 4500 Transmission Only - 0
- g. Dash Mounted Push Button Shifter - 0

## 11. AIR & TRAILER EQUIPMENT

- a. Bendix AD-IS Air Dryer with Heater - An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir(which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-on dessicant cartridge. - 39
- b. Nylon Chassis Hose - 0
- c. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rials will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. - 0
- d. Body Connections 5ft BOC - Junction Box contains light and power circuits for Body Connections located 5ft from BOC - 4
- e. Berg Pull Cord Drain Valve(s) - All Air Tanks - 0

f. A&E Conn EOF w/7-way Socket (w/Conn EOF Strapped to the rail) - 15

## 12. TIRES & WHEELS

- a. FF: Accur Stl Amor 29039PK 22.5\*9.00 PHP 10-5 Hand Holes - 68RR: Accur Steel Armor 29300PK 22.5x9.00 PHP 10-5 Hand holes - 164Code-rear Rim Qty 08 - 0NO TIRE CHAINS DUE TO TIRE/SUSP CLEAR

## 13. FUEL TANKS

- a. 23in Aluminum 100 Gallon Fuel Tank RH U/C - SBFA requires high mount, horizontal, or through-the-rails exhaust. Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability and reduce potential for leaks - 20
- b. Location RH BOC 100 Gallon - 0
- c. Standard DEF to Fuel Ratio 2:1 or Greater - 0
- d. DEF Tank Small - 0
- e. DEF Tank Mounted RH BOC - You have selected a Diesel Exhaust Fluid (DEF) tank mounted on the right-hand (passenger) side of the vehicle. Note, some retail fuel distributors have chosen to standardize on DEF dispensing pumps oriented to the left-hand (driver) side of the vehicle. Please verify your selection for DEF tank mounting. - 0

## 14. BATTERY BOX & BUMPER

- a. Rubber Battery Pad in Bottom Of (1) Battery Box - (Mat in box that holds batteries only) - 2

## 15. CAB & EQUIPMENT

- a. Alum Cab 110in BBC Metton Hood - With bright finish crown. Includes view window RH door and convex mirror over RH door. - 0
- b. Serve Service Cab Package #1 - Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab. - 39
- c. Thermal Insulation Package in Cab - Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure. - 2
- d. Rubber Fender Lips 2 Inch Wide - 8
- e. Peterbilt UltraRide Drive Seat - 0
- f. Peterbilt UltrRide Passenger Seat - 0
- g. Drivers Armrests - LH & RH - Required in Model 587 with Evolution LX seats, optional with Evolution ST and Rolltek Seats. - 4
- h. Non-Air Ride Passenger - 0
- i. High Back Passenger - 0
- j. Air Ride Drive - 0
- k. High Back Driver - 0
- l. Mordura Passenger - 0
- m. Manifest Pouch on Rear Cab Wall - 0
- n. Adjustable Steering Column - Tilt/Telescope - 11
- o. Steering Wheel with Peterbilt Logo - Steering Wheel with embossed Peterbilt logo over horn button. - 0
- p. Interior Grey/Black - Includes rugged charcoal instrument panels, glare-resistant gray dash, black bezels on gauges, (2) power ports, monochromatic molded door pads with durable in-mold color, gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, (2)cup holders and map bin in dash. - 0
- q. Extended Rear Window ipo Std Window-Day Cab - The extended rear window protrudes two inches more than the standard conventional rear cab window. Take this into consideration when determining your loadspace. - 0
- r. Day Cab Rear Window - 0
- s. One Piece Curved Windshield - 0
- t. Combo Fresh Air Heater/Air Conditioner - With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses - 0
- u. Outside Sunvisor - Stainless Steel - Not available with 2.1M high roof sleeper. - 4
- v. Stainless Steel Mirrors 7x16 with Heat Element - Right Click on Option to see Picture in Product Portfolio - 2
- w. (2) Convex 8 Inch SS Mirror - Center mounted under mirror bracket. If rear view mirrors are heated, the convex mirrors will be heated. Option includes dual door stops - 4
- x. Polished Lower Mirror Bracket Covers - 0
- y. (1) Air Horn 24.5in Chrome - Round w/Horn Shield
- a`. Standard Speak Package for Cab - (2) Speakers - 4



- aa. ConcertClass Without CD, Includes BT Phone and - Audio, AM/FM, WB, USB and MP3 - 10
- ab. Plug-In Auto Reset Circuit Breaker - in place of fuses in junction box - 0
- ac. Peterbilt Electric Windshield Wipers - With Intermittent Feature - 0
- ad. Unibilt Cab Air Suspension - Includes dual air bag suspension, leveling valve, and tracking rod. - 25
- ae. Triangle Reflector Kit Shipped Loose - 13
- af. Backup Alarm (107dB) - 3
- ag. Air Restriction Indicator - Mounted on air cleaner or intake piping - 0
- ah. Bright Bezel Gauges - 0
- ai. Main Instruction Panel, Graphics Display - Includes speedometer with tripodometer, tachometer with hourmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature, low oil pressure, and low air pressure warning lights w/audible alarms, high beam, turn signal, low fuel, parking brake, and ice indicators; multi-function turn stalk with flas-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges. - 0
- aj. Headlights Composite Fender Mounted - Integral Park, Turn, and Side marker - 0
- ak. (5) Marker Lights, Aero LED - Light Emitting Diodes - 0
- al. (2) Addl Dome/Reading Lights, Ceiling Mounted - 0

16. OPTIONS NOT SUBJECT TO DISCOUNT

- a. Heavy Duty Emissions Surcharge - 0

17. MISCELLANEOUS

- a. Day Cab/ProBilt Interior (DB) - 0
- b. Presentation Created Using Featured Sepc - For Model - 0

18. BODY

- a. Type: Roll-Off
- b. Length (ft): 24
- c. Height (ft): 8.5
- d. Max Laden Weight (lbs): 1000

19. PAINT

- a. Standard Paint Selection - 0
- b. (1) Color Axalta Two Stage - Cab/HoodBase Coat/Clear CoatN85020 A - L0006EB WHITE - StandN85400  
HOODTOP L0006EB WHITE - StandN85500 CAB ROOF L0006EB WHITE - StandN85200 FRAME N0001EA  
BLACKN85300 FENDER L0006EB WHITE - Stand - 0



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 348 ROLL-OFF SPECIFICATION #49**

#### **2017 Peterbilt Model 348**

The Peterbilt Model 348 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$110,205.00	\$110,205.00	\$110,205.00	\$110,205.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$110,205.00	\$110,205.00	\$110,205.00	\$110,205.00

Order Code	Delete Options	All Zones
	Aluminum Battery Box LH Under Cab, Non-Slip Step - Includes diamond pattern block shaped cover in traditional/vocational models and a smooth finish tapered cover on aerodynamic models -55	Incl.
	Tow Tow Pins	Std

Order Code	Add Options	All Zones
	Aluminum	Std
	Metton 108" BBC	Std
	44", 58" & 72" Low Roof	NA
	58", 72" & 78" Ultra Cab	NA
	Driver: Peterbilt UltraRide	Std
	Passenger: Peterbilt UltraRide or 2-Person <i>2 person</i> <sup>1</sup>	\$351.00 <sup>1</sup>
	PACCAR PX-9, 260-380 HP <i>260 px 9</i> <sup>1</sup>	Std <sup>1</sup>
	PACCAR PX-7, 280-360 HP <i>300 px7</i> <sup>1</sup>	(\$2,300.00) <sup>1</sup>
	Under Hood	Std
	Vertical Cab Mounted or Horizontal <i>rh cab mounted vert</i> <sup>1</sup>	Std <sup>1</sup>
	Stainless Steel (Vertical)	Incl.
	Fuller 6 Speed Manual	NA
	Fuller 9 Speed Manual	(\$18,000.00)
	Fuller 10 Speed Manual	(\$17,000.00)
	Fuller 11 Speed Manual	(\$16,000.00)
	Allison 6-Speed Automatic <i>4500 rdsp 6 speed</i> <sup>1</sup>	Incl. <sup>1</sup>
	10 5/8", 10 3/4', 11 5/8" <i>10/34</i> <sup>1</sup>	Incl. <sup>1</sup>
	12,000 lbs.	(\$1,500.00)
	13,000 lbs	(\$1,200.00)
	14,000 lbs	(\$750.00)
	14,600 lbs	(\$561.00)
	Taper Leaf	Incl.
	Iron LMS or Aluminum LMS - Non Driving, Iron Front Driving Axle <i>iron hubs</i> <sup>1</sup>	Incl. <sup>1</sup>
	Air Disc or Air Cam Drum <i>cam front</i> <sup>1</sup>	Incl. <sup>1</sup>

<b>VEHICLE:</b>	Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$110,205.00	\$110,205.00	\$110,205.00	\$110,205.00

	Dana Spicer (21,000 lbs, 23,000 lbs, 25,000 lbs, 26,000 lbs, 30,000 lbs)	NA
	Meritor (40,000 lbs, 44,000 lbs) <i>44000 meritor</i> <sup>1</sup>	Incl. <sup>1</sup>
	40,000 lbs	(\$300.00)
	44,000 lbs	Incl.
	46,000 lbs	\$1,000.00
	Iron or Aluminum Pre-Set Plus	Incl.
	Air Disc or Air Cam Drum <i>air disc rear</i> <sup>1</sup>	\$4,043.00 <sup>1</sup>
	Bendix 4S4M or 6S6M Air <i>6sms</i> <sup>1</sup>	\$338.00 <sup>1</sup>
	20,000 lbs	NA
	23,000 lbs	NA
	26,000 lbs	NA
	31,000 lbs	NA
	Peterbilt Air Trac	(\$650.00)
	Peterbilt Low Air Leaf	(\$2,200.00)
	Hendrickson RT	(\$700.00)
	HMX	Incl.
	Reyco	(\$2,800.00)
	Chalmers 854	\$1,000.00
	Bridgestone, Goodyear or Michelin <i>bridgestone tires on vehicle</i> <sup>1</sup>	Incl. <sup>1</sup>
	Steel or Aluminum (22.5", 24,5")	Incl.
	Black Molded Stainless Steel	\$105.00
	Holland or Jost	NA
	Bendix	Incl.
	Steel or Aluminum <i>steel</i> <sup>1</sup>	Std <sup>1</sup>
	Nylon	NC
	Optional <i>air and electric to rear</i> <sup>1</sup>	Incl. <sup>1</sup>
	23" Aluminum (50-120 Gallon)	Incl.
	26" Aluminum (50-120 Gallon) <i>26 in 100 gallon</i> <sup>1</sup>	\$194.00 <sup>1</sup>
	Steel 45 Gallon	Std
	Aluminum or Steel <i>aluminum</i> <sup>1</sup>	Incl. <sup>1</sup>

<b>VEHICLE:</b>	Model 348			
<b>DEALER:</b>	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville	Peterbilt of Knoxville
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$110,205.00	\$110,205.00	\$110,205.00	\$110,205.00

Optional <i>dealer add</i> <sup>1</sup>	\$200.00 <sup>1</sup>
Steel Stylized Aerodynamic, Aluminum Swept Back or Aluminum Channel <i>aluminum stainless steel</i> <sup>1</sup>	Incl. <sup>1</sup>
0	Incl.
DPF/SCR series under frame. - -99	(\$800.00)



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 567 END DUMP (Specification #53)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt End Dump - Model 567	★Appalachia	\$128,477.00
Peterbilt of Charlotte	2017 Peterbilt End Dump - Model 567	★Dogwood	\$128,477.00
Peterbilt of Charlotte	2017 Peterbilt End Dump - Model 567	★Cardinal	\$128,477.00
Peterbilt of Charlotte	2017 Peterbilt End Dump - Model 567	★Longleaf Pine	\$128,477.00



# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 567 END DUMP** **SPECIFICATION #53**

2017 Peterbilt End Dump - Model 567

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### **1. BASE MODEL**

- a. Model 567 - 15,219
- b. Construction Materials - 0
- c. City Delivery - Truck or tractor which hauls freight, typically operating within a 100-mile radius, on public streets and highways and other paved surfaces. Typically includes package and freight delivery. - 0
- d. End Dump - 0
- e. United States Registry - 0

### **2. RESTRICTIONS**

- a. Length 40 feet
- b. Width 102 inches
- c. Height 13.5 feet

### **3. CHASSIS**

- a. Fr Axle Load - 20000 lbs
- b. Fr Axle Load - 46000 lbs
- c. G.C.W. - 66000 lbs
- d. Road Conditions - Class A (Highway)- 100Class B (Hwy/Mtn) - 0Class C (Off-Hwy) - 0Class D (Off-Road) - 0
- e. Maximum Grade -6
- f. Wheelbase - 214 inches
- g. Overhang - 55 inches
- h. Fr Axle to BOC - 86.2
- i. Cab to Axle - 127.8 inches
- j. Cab to EOF - 182.8 inches
- k. Overall Comb. Length - 298 inches

### **4. CONFIGURATION**

- a. Not Applicable - Secondary Manufacturer - 0

### **5. FRAME & EQUIPMENT**

- a. 10-3/4in Steel Rails to 354in - 10.75x3.5x375 Dimension, 2,136,000 RBM; Yield Strength: 120,000psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair - 232
- b. Fuel Steel Inner Liner - 597
- c. Heavy-Duty Iron Front Spring Brackets - Forward/Rear - 35
- d. Aluminum Frame Rail Crossmembers - 0
- e. EOF Square with Steel Xmbr - 0
- f. Peterbilt Rear Mudflaps and Straight Hangers -0

### **6. FRONT AXLE & EQUIPMENT**

- a. Dana Spicer D2000F 20,000lb, 3.5in Drop - Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins, & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. - 445
- b. Taper Leaf Springs, Shocks 20,000lb (Standard with Heavy Resistance Shocks)- 175
- c. Power Steering Sheppard SD 110 Dual(For use with 22,000lb. axle ratings. Gildekote splines on steering shaft extend service life of components) - 0
- d. Power Steering Reservoir Frame Mounted with Cooler - 2
- e. Bendix Air Cam Front Drum Brakes 16.5x6 -For use with 14,601 lbs to 22,000 lbs steer axles or FSD16 front drive axles. Includes automatic slack adjusters & outboard mounted brake drums. - 0
- f. Gusseted Cam Brackets, Steer Axle

## 7. REAR AXLE & EQUIPMENT

- a. Dana Spicer D46-170 46,000 - Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.
- b. Watson-Chalin SL 1190SSR (1) 13,500 lb Pusher - Includes (1) air tank. Self-Steering Pusher - 945
- c. 48in Pusher Axle Spacing - From Centerline of Forward Drive Axle. - 0
- d. PH10 Iron PreSet PLUS Hubs, Cast Drums - Self-Steering Pusher Axles - 0
- e. Stability System Not Selected or Not Available - 0
- f. Anti-Lock Braking System (ABS) 6S6M - ABS-6. Includes air braking system. - 0
- g. Synthetic Axle Lubricant All Axles - Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.-0
- h. Bendix Air Cam Rear Drum Brakes 16.5x7 - Inc automatic slack adjusters & outboard mounted brake drums - 0
- i. Ratio 3.58 Rear Axle- 0
- j. Hendrickson Haulmaax HMX460 46,000 lb, 54in Axle - Spacing, 60K Creep Rating - 276
- k. PHP10 Aluminum PreSet PLUS Hubs - 0
- l. Long Stroke Parking Brakes, Drive Axle(s)-0
- m. Rear Brake Camshaft Reinforcement - 9
- n. Gusseted Cam Brackets, Drive Axle(s) - 2
- o. SBM Valve - Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.

## 8. ENGINE & EQUIPMENT

- a. PACCAR PX-9 380@1900 GOV@2100 1250@1400 -(2013 Emissions) Includes integrated engine retarder and return fuel blending valve. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120..Standard Maximum Speed Limit [LSL]N21330 N207 0...Expiration DistanceN21340 P005 120..Hard Maximum Speed LimitN21350 P001 69...Maximum Accelerator Pedal Vehicle SpeedN21360 P110 0...Accelerator Lower DroopN21370 P059 69...Maximum Cruise SpeedN21380 P111 0...Cruise Control Lower DroopN21400 N203 252..Reserve Speed Function Reset DistanceN21440 N202 0...Maximum Cycle DistanceN21420 N206 10...Maximum Active DistanceN21430 N201 0...Reserve Speed Limit OffsetN21440 P015 Yes...Engine Protection ShutdownN21450 P026 NO...Gear Down ProtectionN21460 P046 1400.Max PTO SpeedN21470 P062 No...Cruise Control Auto ResumeN21480 P068 NO...Auto Engine Brake in CruiseN21500 N209 0...Expiration DistanceN21510 P520 Yes..Enable Idle Shutdown Park Brake SetN21520 P030 5...Timer SettingN21530 P233 Yes..Enable Impending Shutdown WarningN21540 P234 60...Timer fro Impending ShutdownN21550 P516 35...Engine Load ThresholdN21570 P031 No...Idle Shutdown Manual OverruleN21590 P230 Yes..Enable Hot Ambient Automatic OverruleN21610 P172 40...Low Ambient Temperature ThresholdN21620 P173 60...Intermediate Ambient Temperature ThresholdN21630 P171 80...High Ambient Temperature Threshold
- b. Engine Idle Shutdown Timer Enabled - 0
- c. Enable EIST Ambient Temp Overrule - 0
- d. Eff EIST NA Expiration Miles - 0



- e. Enable VSL Setting NA - 0
- f. CARB Engine Idling Compliance DECLINED By - Dealer/Customer - 0
- g. PACCAR 160 Amp Alternator, Brushed - 0
- h. PACCAR Fuel Filter/Water Separator, Unheated - With water in fuel (WIF) sensor. In addition to the fuel filter supplied with the engine.
- i. PACCAR 12V Starter - 0
- j. 3 PACCAR Premium 12V Starting Batteries 2100 CCA - Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance. - 0
- k. 2-Speed Fan Clutch for Frequent Start/Stops - 0
  - l. 18.7 CFM Air Compressor - Furnished on engine. Teflon lined stainless steel braided compressor discharge line. - 0
- m. C-Brake By Jacobs, ISX12, ISX12-G - 0
- n. (1) Air Cleaner Firewall Mounted - Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake. - 0
- o. High Efficiency Cooling System - Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. Climax Tech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective 10 -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEOTIL 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in - 0
- p. Exhaust Single RH Side of Cab - DPF/SCR RH under cab. Includes cab entry RH under cab and full round stainless steel exhaust guard - 0
- q. Curved Tip Standpipe(s) - 0
- r. 24in Ht, 5ib Dia Chrome, Clear Coat Standpipe(s) - 0

## 9. TRANSMISSION & EQUIPMENT

- a. Allison 4500 RDS-P Transmission, Gen 5 - Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.70, 2nd-2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67/Reverse Ratios: DR-(5.55)- 245
- b. 1810 HD Driveline, 1 Midship Bearings -105
- c. 1710 Driveline Interaxle, Tandem Rear Axles - 0
- d. Allison FuelSense Basic - Includes 5th Generation Controls, EcoCal and Dynamic Shift Sensing. For additional information see Product Portfolio - 0
- e. Allison 6-Speed Configuration, Wide Ratio Gears - Allison 4500 Transmission Only - 0
- f. Dash Mounted Lever Shifter- N/A with manual transmissions - 8

## 10. AIR & TRAILER EQUIPMENT

- a. Bendix AD-IS Air Dryer with Heater - Extended Purge (for use with higher air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-on dessicant cartridge- 4
- b. Nylon Chassis Hose - 0
- c. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. - 0
- d. Berg Pull Cord Drain Valve(s) - All Air Tanks - 0

## 11. TIRES & WHEELS

- a. FF: BR 20ply 315/80R22.5 M860A Diameter+ 42.8 inches; SLR= 19.9 inches - 102RR: BR 14ply 11R22.5 R268 Ecopia Diameter=41.5 inches; SLR=19.3 inches - 64
- b. Code-rear Tire Qty 08 - 0Code-rear Rim Qty 08 - 0TP: (2) BR 18ply 275/70R22.5 R250ED - For single self-steering tag/pusher axles; Diameter=38.0 inches; SLR=17.6 inches - 220TP: (1) Alcoa 885657 LvL1 PLT 22.5x8.25 - Aluminum Wheel, Severe Service, Steerable T/P Axle - 100

## 12. FUEL TANKS

- a. Location LH U/C 100 Gallon - 0
- b. Standard DEF to Fuel Ratio 2:1 or Greater - 0
- c. DEF Tank Mounted LH BOC - Models 210,220 and 320 mounted LH cab fender - 0
- d. DEF Tank Small - 0

### 13. BATTERY BOX & BUMPER

- a. Aftertreatment RH U/C Alum Non-Slip Cab Entry - Step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box will be aerodynamic. - 0
- b. Steel Bumper Tapered Chromed - Two tow pins. - 19

### 14. CAB & EQUIPMENT

- a. Serve Service Cab Package #1 - Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab. - 39
- b. Peterbilt ST Driver - Peterbilt ST air seat, high height backrest, adjustable seat track length, 1 chamber lumbar support, suspension with fixed damping, fore-aft isolator with lockout, Vinyl bellows over suspension. Standard vinyl finish - color coordinate with interior color - 0
- c. Rubber Fender Lips 4.5 Inches Wide - 6
- d. Peterbilt ST Passenger seat - Peterbilt ST air seat, high height backrest, adjustable seat track length, 1 chamber lumbar support, suspension with fixed damping, fore-aft isolator with lockout, Vinyl bellows over suspension. Standard vinyl finish - color coordinate with interior color - 0
- e. Air Ride Drive - 0
- f. High Back Passenger - 0
- g. Vinyl Driver - 0
- h. High Back Driver - 0
- i. Air Ride Passenger - 43
- j. Vinyl Passenger - 0
- k. Steering Wheel with Peterbilt Logo - Steering Wheel with embossed Peterbilt logo over horn button. - 0
- l. Adjustable Steering Column - Tilt/Telescope - 10
- m. Prestige Interior Titanium - Includes innovative gun metal A,B&C instrument panels and color-matched D instrument panel, monochromatic color-coordinated dash with glare-resistant, soft-touch upper, power ports, burlwood insert on contoured doorpads, LH and RH door mounted map pockets with built-in courtesy lights, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift driver and passenger windows, padded fabric headliner and vinyl wall panels, extruded rubber floor covering, (3) inside sunvisors, (2) coat hooks, header-mounted dome light, driver and passenger dome/reading lights, footwell lighting, integrated "dead pedal", (4) inside entry grab handles, cup holder and map bin in dash. REQUIRES black bezel on gauges.
- n. 1-Piece Glass Rear Cab Window Fixed - 0
- o. Cup Holder (Floor Mounted) - Includes two standard-size drink holders and one extra-large jugholder, coin tray and clipboard-size storage area. - 4
- p. Day Cab Rear Window - 0
- q. One Piece Curved Windshield - 0
- r. Combo Fresh Air Heater/Air Conditioner - With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses - 0
- s. Outside Sunvisor - Stainless Steel - Not available with 2.1M high roof sleeper. - 8
- t. Power Door Locks AND Power Window Lifts - Standard - 0
- u. Peterbilt Aero Rear View Mirror, Motorized - Includes top mirror with motorized, adjustable dual axis heated glass. Bottom mirror is an integrated convex surface. Includes black textured arms with breakaway feature - 3
- v. Aero Rear View Mirror Housing - body Color - 0
- w. Air Horn Mounted Under Cab - 0
- x. Standard Speak Package for Cab - (2) Speakers - 4
- y. ConcertClass Without CD, Includes BT Phone and - Audio, AM/FM, WB, USB and MP3 - 10
- a. Look Down Mirror Over Passenger Door - with Black Housing - 0
- aa. CB Terminal Wiring, Microphone Clip, Speaker - F/O CB radio mounted center of header. Select antenna separately - 3
- ab. (1) Antenna For Factory Installed or F/O CB - Mounted LH side of roof, with antenna cable. - 5
- ac. Peterbilt Electric Windshield Wipers - with Intermittent Feature - 0
- ad. Cab Air Suspension - 15
- ae. 5lb Dry Chemical ABC Fire Extinguisher- Mounted with metal strap outboard of driver seat. - 8
- af. Backup Alarm (107dB) - 3
- ag. Main Instruction Panel - Includes Driver Information Display and Instrument Package with Speedometer, Tachometer, Fuel Level Gauge, Engine Oil Pressure, Engine Coolant temperature, (2) Air Pressure, DEF Level Gauge.

- With Gas Engines, DEF Level Gauge will be replaced with Brake Application Gauge - 0
- ah. Headlights Projector Module Pod - Fender Mounted turn signals. Projector Module Low Beam, Complex Reflector High Beam. Pod Mounted - 0
  - ai. Main Transmission Oil Temperature Gauge - Located in Driver Information Display - 0
  - aj. Engine Oil Temperature Gauge - 52mm round, backlit. These physical gauges must be ordered in pairs and are limited to a total of 6- 0
  - ak. Air Filter Restriction Pressure Gauge - Located in Driver Information Display - 0
  - al. Pusher Axle Pressure 1 - 52mm round and backlit. These physical gauges must be ordered in pairs and are limited to a total of 6. - 0
  - am. (2) Peterbilt Fog Lights - Recessed in bumper - 6
  - an. Daytime Running Lights - (Required on Canadian units) - 0
  - ao. (5) Marker Lights, Aero LED - On roof, visor or fairing - 0
  - ap. LED Stop/Turn/Tail - 40204 Backup, bracket mounted LH/RH EOF - 2
  - aq. Peterbilt Signature Door Light Turn Signal - 0

15. OPTIONS NOT SUBJECT TO DISCOUNT

- a. Cummins 2013 ISX Protection Plan 1 (5/300)- ISX15 or ISX12=< 475HP. Five Years/300,000 Miles/482,804 Kilometers. Coverage is 100 percent parts and labor with not deductibles on internally lubricated components and major engine systems including turbo charger, water pump, and fuel injectors - 0
- b. Cummins 2013 ISX Protection Plan 1 (5/300)- ISX15 or ISX12=< 475HP. Five Years/300,000 Miles/482,804 Kilometers. Coverage is 100 percent parts and labor with not deductibles on the DEF controller/dosing unit/dosing valve, SCR catalyst, catalytic converter particulate filter, SCR/DPF temperature sensor interface module, and other related aftertreatment parts as detailed in Cummins Bulletin #3381446 - 0
- c. Heavy Duty Emissions Surcharge - 0

16. MISCELLANEOUS

- a. Day Cab/ProBilt Interior (DB) - 0
- b. Presentation Created Using Featured Sepec - For Model - 0

17. BODY

- a. Type: Roll-Off
- b. Length (ft): 24
- c. Height (ft): 8.5
- d. Max Laden Weight (lbs): 1000

18. PAINT

- a. Standard Paint Selection - 0
- b. (1) Color Axalta Two Stage - Cab/HoodBase Base Coat/Clear Coat CoatN85020 A - L0006EY WHITE - StandN85400 HOODTOP L0006EY WHITE - StandN85500 CAB ROOF L0006EY WHITE - StandN85200 FRAME N0001EA BLACKN85300 FENDER L0006EY WHITE - Stand - 0

19. MISCELLANEOUS

- a. Day Cab/Prestige Interior (DM) - 0
- b. Presentation Created Using Featured Spec - for Model - 0



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 567 END DUMP SPECIFICATION #53**

#### **2017 Peterbilt End Dump - Model 567**

The Peterbilt End Dump - Model 567 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$128,477.00	\$128,477.00	\$128,477.00	\$128,477.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	End Dump - Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$128,477.00	\$128,477.00	\$128,477.00	\$128,477.00

Order Code	Delete Options	All Zones
	Aluminum Battery Box LH Under Cab, Non-Slip Step - Includes diamond pattern block shaped cover in traditional/vocational models and a smooth finish tapered cover on aerodynamic models -55	
	Tow Tow Pins	
	Omit Standard Trailer Connection Package - (Omits 12ft A&E linfes, Hose Tenna, and Hand Valve) - -28	
	FF: Alcoa 893657 LVL1 22.5x9.00 Alum Wheel- Pilot Mount -38	
	RR: Alcoa 883677 LvL1 22.5x8.25 Alm Wheel -200	
	Aluminum Space Saver Battery Box RH BOC - Battery Access From Side - -60	
	RH Tank None Furnished - -86	
	Vocational 115 BBC Alum Cab and Metton Hood SFFA - Stainless steel crown and grille with tilt assist. - -210	

Order Code	Add Options	All Zones
	Aluminum	
	Metton 108" BBC	
	44" (Low Roof), 58" (Low Roof or Mid Roof), 72" or 80"	
	Driver: Peterbilt Evolution ST or Lx	
	Passenger: Peterbilt Evolution ST or LX	
	PACCAR MX-13	
	PACCAR PX-9	
	Cummins ISX12	
	Cummins ISX15	
	Single Under Hood	
	Single (Horizontal, Vertical)	
	Dual (Vertical)	
	Stainless Steel (Vertical)	
	Fuller 9, 10, 11, 13, 15 or 18-Speed Manual	
	Fuller 10, 11, 13 or 18-Speed Automatic	
	Allison 4, 5 or 6-Speed Automatic	
	10 5/8", 10 3/4', 11 5/8" or 13 3/8" Steel	
	Dana Spicer (12,000 lbs., 13,200 lbs., 14, 600 lbs., 20,000 lbs)	
	Meritor (12,000lbs, 20,000lbs)	
	Taper Leaf	
	Iron or Aluminum Pre-Set Plus	
	Air Disc or Air Cam Drum	

<b>VEHICLE:</b>	End Dump - Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$128,477.00	\$128,477.00	\$128,477.00	\$128,477.00

	Dana Spicer (21,000 lbs, 23,000 lbs, 25,000 lbs, 26,000 lbs, 30,000 lbs)	
	Meritor (40,000 lbs, 44,000 lbs)	
	Dana Spicer (40,000 lbs, 46,000 lbs, 52,000 lbs)	
	Meritor (40,000 lbs, 44,000 lbs, 46,000 lbs)	
	Iron or Aluminum Pre-Set Plus	
	Air Disc or Air Cam Drum	
	Bendix 4S4M or 6S6M Air	
	Peterbilt AirTrac	
	Reyco 79KB, 102 or 102AR	
	Peterbilt Air Trac	
	Peterbilt Air Leaf	
	Hendrickson HMX or RT	
	Chalmers 854	
	Reyco 102	
	Neway ADZ	
	Peterbilt Low air Leaf	
	Peterbilt FlexAir	
	Bridgestone, Goodyear or Michelin	
	Steel or Aluminum (22.5", 24,5")	
	Black Molded Stainless Steel	
	Holland or Jost	
	Bendix	
	Steel or Aluminum	
	Nylon or Wire Braid	
	Back of Cab or End of Frame	
	20" Aluminum (50-0 Gallon)	
	23" Aluminum (50-120 Gallon)	
	26" Aluminum (50-150 Gallon)	
	Aluminum	
	Aluminum	
	Steel Painted or Chrome, Aluminum, Natural or Polished	
	0	
	DPF/SCR series under frame. - -99	
	Air Disc or Air Cam Drum	
	Dana Spicer (21,000 lbs, 23,000 lbs, 25,000 lbs, 26,000lbs, 30,000lbs)	
	Meritor (21,000 lbs, 23,000 lbs)	
	Dana Spicer (40,000lbs, 44,000lbs, 46,000lbs, 52,000lbs)	

<b>VEHICLE:</b>	End Dump - Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
<b>BASE PRICE:</b>	\$128,477.00	\$128,477.00	\$128,477.00	\$128,477.00

Meritor (40,000lbs, 44,000lbs, 46,000lbs)	
Dana Spicer 69,000 lbs	
Meritor 66,000 lbs	
Peterbilt Air Trac	
Neway ADZ	



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>PETERBILT - MODEL 567 ROLL OFF CHASSIS (Specification #54)</u></a>			
Peterbilt of Charlotte	2017 Peterbilt Model 567	★Appalachia	\$103,758.00
Peterbilt of Charlotte	2017 Peterbilt Model 567	★Dogwood	\$103,758.00
Peterbilt of Charlotte	2017 Peterbilt Model 567	★Cardinal	\$103,758.00
Peterbilt of Charlotte	2017 Peterbilt Model 567	★Longleaf Pine	\$103,758.00





# **NORTH CAROLINA SHERIFFS' ASSOCIATION**

## **PETERBILT - MODEL 567 ROLL OFF CHASSIS** **SPECIFICATION #54**

2017 Peterbilt Model 567

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

### **1. UNIT INFORMATION**

- a. Model - 567
- b. Type - Full Truck
- c. Description - New Roll Off

### **2. APPLICATION INFORMATION**

- a. Intended Service - City Delivery
- b. Commodity - Refuse, Scrap

### **3. BODY**

- a. Type - Roll Off
- b. Length (ft) - 22
- c. Height (ft) - 13.5
- d. Max Laden Weight (lb) - 7,500

### **4. RESTRICTIONS**

- a. Length (ft) - 40
- b. Width (in) - 102
- c. Height (ft) - 13.5

### **5. CHASSIS**

- a. Front Axle Load (lbs) - 20,000
- b. Rear Axle Load (lbs) - 46,000
- c. GCW (lbs) - 66,000
- d. Road Conditions: Class A (Highway) - 100 Class B (Highway/Mountain) - 0 Class C (Off Highway) - 0 Class D (Off Road) - 0
- e. Maximum Grade - 6
- f. Wheelbase (in) - 257
- g. Overhang (in) - 80
- h. Front Axle to BOC (in) - 68.2
- i. Cab to Axle (in) - 188.8
- j. Cab to EOF (in) - 268.8
- k. Overall Comb. Length (in) - 384

### **6. FRONT AXLE AND EQUIPMENT**

- a. Tenneco Shocks for Steer Axle

### **7. REAR AXLE AND EQUIPMENT**

- a. Synthetic Axle Lubricant All Axles (Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricants provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.
- b. Anti-Lock Braking System (ABS) 6S6M (ABS-6. Includes air braking system)
- c. PHP10 Aluminum PreSet PLUS Hubs
- d. Long Stroke Parking Brakes, Drive Axle (s)

#### 8. ENGINE AND EQUIPMENT

- a. Exhaust Single RH Side of Cab (DPF/SCR RH under cab. Includes cab entry RH under cab and full round stainless steel exhaust guard)
- b. (1) Air Cleaner Firewall Mounted (molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in the air intake)
- c. High Efficiency Cooling System (Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator and heater hoses enhance value, durability and reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant c
- d. PACCAR 12V Starter
- e. Immersion Type Block Heater 110-120V (standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.)
- f. PACCAR 160 Amp Alternator, Brushed

#### 9. AIR AND TRAILER EQUIPMENT

- a. Nylon Chassis Hose
- b. Steel Painted Air Tanks (all air tanks are steel with painted finish except when code 4543330 polish aluminum air tanks is also selected ((then exposed air tanks outside the frame rails will be polished aluminum)). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed)

#### 10. FUEL TANKS

- a. DEF Tank Small

#### 11. BATTERY BOX AND BUMPER

- a. Aftertreatment RZH U/C Alum Non-Slip Cab Entry (step. DPF/SCR for diesel engines, catalyst for natural gas engines. On models 579 specifying chassis fairings, the box will be aerodynamic)

#### 12. CAB AND EQUIPMENT

- a. Vocational 115 BBC Alum. Cab and Metton Hood SBFa (stainless crown and grille with tilt assist)
- b. Peterbilt ST Driver (Peterbilt ST air seat, high height backrest, adjustable seat track length, 1 chamber lumbar support, suspension with fixed damping, fore-aft isolator with lockout, vinyl bellows over suspension. Standard vinyl finish - color coordinate with interior color)
- c. Peterbilt ST Non-Adjustable Passenger Seat (standard vinyl, no suspension cover, no seat back recline)
- d. Air Ride Driver
- e. High Back Driver
- f. Vinyl Driver
- g. Non-Air Ride Passenger
- h. High-Back Passenger
- i. Vinyl Passenger
- j. Prestige Interior - Titanium (includes innovative gun metal A, B and C instrument panel, monochromatic color-coordinated dash with glare resistant, soft touch upper, power ports, burlwood insert on contoured doorpads, LH and RH door mounted map pockets with built-in courtesy lights, 18" 4 spoke soft touch steering wheel, soft touch steering wheel, soft touch steering column cover, power lift driver and passenger windows, padded fabric headliner and vinyl wall panels, extruded rubber floor coveri
- k. Day Cab Rear Window
- l. One Piece Curved Windshield
- m. Power Door Locks AND Power Window Lifts (STD)
- n. Combo Fresh Air Heater/Air Conditioner (with radiator mounted condenser, dedicated side window defrosters,

- bi-level heater/defroster controls, 54,500 BTU/HR, and silicone heater hoses
- o. Aero Rear View Mirror Housing-Body Color
- p. Look Down Mirror Over Passenger Door (with black housing)
- q. Air Horn Mounted Under Cab
- r. Peterbilt Electric Windshield Wipers (with intermittent feature)
- s. Air Filter Restriction Pressure Gauge
- t. Main Instrument Panel (Includes driver information display and instrument package with speedometer, tachometer, fuel level gauge, engine oil pressure, engine coolant temperature, (2) air pressure, DEF level gauge. With gas engines, DEF level gauge will be replaced with brake application gauge)
- u. Headlights Projector Module Pod (fender mounted turn signals, projector module low beam, complex reflector high beams, pod mounted
- v. (5) Marker Lights, Aero LED (on roof, visor, or fairing)
- w. Daytime Running Lights (required on Canadian units)

13. PAIN T ((1) COLOR AXALTA TWO STAGE - CAB/HOOD BASE COAT/CLEAR COAT)

- a. N85020 A - L0006EY White-Stand
- b. N85400 Hood Top L0006EY White-Stand
- c. N85500 Cab Roof L0006EY White-Stand
- d. N85200 Frame N0001EA Black
- e. N85700 Bumper N0001EA Black
- f. N85300 Fender L0006EY White - Stand



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **PETERBILT - MODEL 567 ROLL OFF CHASSIS SPECIFICATION #54**

#### **2017 Peterbilt Model 567**

The Peterbilt Model 567 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$103,758.00	\$103,758.00	\$103,758.00	\$103,758.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$103,758.00	\$103,758.00	\$103,758.00	\$103,758.00

Order Code	Delete Options	All Zones
	Omit rear mudflaps and hangers	
	PHP10 Aluminum PreSet PLUS Hubs	
	18.7 CFM Air Compressor (Furnished on engine. Teflon lined stainless steel braided compressor discharge line)	
	1710 Driveline Interaxle, Tandem Rear Axles	
	Omit Standard Trailer Connection Package (omits 12ft A and E lines, hose tenna, and hand valve)	
	RH Tank None Furnished	
	Steel Bumper Swept Back Painted Without FEPTO (two tow pins and step plates on top of bumper)	
	Standard Paint Color Selection	
	Cummins ISX Power	

Order Code	Add Options	All Zones
	10-3/4" Steel Rails 355-384" (10.75 x 3.5 x 375 dimension, 2,136,000 RBM; yield strength: 120,000 psi. Section modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair)	
	Full steel inner liner	
	Heavy duty iron front spring brackets (forward and rear)	
	Aluminum frame rail crossmembers	
	EOF square without Xmbr (for use with body builder installed crossmember)	
	Dana Spicer D2000F 20,000 lb, 3.5in Drop (factory front axle alignment to improve handling and reduce tire wear. Zerk fittings on tie rod ends, kings pins, and draglink ball joints for ease of maintenance and help extend service life of components. Cognis EMGARD "R" FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement . Reduces wear and extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions	
	Taper Leaf Springs, Shocks 20,000lbs (standard with heavy resistance shocks)	
	Power Steering TRW TAS85 Dual (For use with 20,000-22,000lb axle ratings, Glidekote splines on steering shaft extend service life of components	
	Power Steering Reservoir Frame Mounted with Cooler	
	Greasable Front Spring Pins	
	Bendix Air Cam Front Drum Brakes 16.5x7 (For use with 16,000 lbs to 22,000 lbs steer axles or front drive axles. Includes automatic slack adjusters and outboard mounted brake drums	
	Long Stroke Brakes, Front Axle	
	Heavy Duty CAM Brushings, Steer Axle	
	Dana Spicer D46-170 46,000lb (Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling and reduce tire wear. Magnetic rear axle oil drain plug captures and holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD "R" FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear and extends maintenance intervals,	

<b>VEHICLE:</b>	Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$103,758.00	\$103,758.00	\$103,758.00	\$103,758.00

	resulting in increased upt	
	Refuse Service Brakes, Steer and Drive Axle(s)	
	Rear Brake Camshaft Reinforcement	
	Heavy Wall, Drive Axle (s)	
	Lube Pump, Drive Axle (s)	
	SBM Valve (full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an ABM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle brakes if a failure exists in the rear air system.	
	Bendix Air Came Rear Drum Brakes 16.5 x 8.6 (Inc automatic slack adjusters and outboard mounted brake drums. Refer to TSB 11-57 for more information)	
	Diff Lock Tandem Axles (with speed interlock). Automatically disengages wheel diff lock at speeds above 25mph	
	Ratio 4.30 Rear Axle	
	Hendrickson Haulmaax HMX 460 46,000lb, 54 in Axle (spacing, 60k creep rating)	
	ISX12 425V 425@1800 GOV@2100 1650@1100(2013 Emissions) includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.	
	Engine Idle Shutdown Timer Enabled	
	Enable EIST Ambient Temp Overrule	
	Eff EIST Ambient Temp Overrule	
	Effective VSL Setting NA	
	Remote PTO and Throttle Provision	
	CARB Engine Idling Compliance (PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	
	Steel Front Engine Support IPO Standard Aluminum	
	3 PACCAR AGM 12V Batteries 2400 CCAv(stranded copper battery cables are double aught (00) or larger to reduce resistance	
	Kissling Battery Disconnect Switch (mounted on battery box)	
	2 Speed Fan Clutch for Frequent Start/Stops	
	C Brake by Jacobs, ISX12, ISX12-G (includes two switches, A2 position on/off engine switch. As well as a 3 position up, down, hold range selector switch)	
	DAVCO 382 Fuel Filter/Water Separator, Unheated (in addition to the fuel filter supplied with the engine)	
	Ignition Idle Timer	
	Curved Tip Standpipe (s)	
	36 in Ht, 5 in Dia Chrome, Clear Coat Standpipe (s)	
	Stranded copper battery cables are double aught (00) or larger to reduce resistance	

<b>VEHICLE:</b>	Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$103,758.00	\$103,758.00	\$103,758.00	\$103,758.00

Kissling Battery Disconnect Switch (mounted on battery box)	
2-Speed Fan Clutch for Frequent Start/Stops	
Allison 4500 RDS-P Transmission, Gen 5 (Rugged duty series. Includes rear transmission support, transynd transmission fluid, and water oil heat exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the mode and up and down buttons. A wrench icon will also be included to indicate when the transmission fluid,	
1810 HD Driveline, 2 Midship Bearings (4.5" x .180 wall tubing)	
(1) Dash Mounted Single Acting EOH PTO Control (electric over hydraulic)	
Allison FuelSense Not Desired	
Allison 6-Speed Configuration, Wide Ratio Gears (Allison 4500 transmission only)	
Dash Mounted Push Button Shifter	
Bendix AD-IS EP Air Dryer with Heater (extended purge ((for use with higher air consumption applications)). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir ((which increases the drying capacity)), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin on dessicant cartridge)	
High Mount Air Tanks BOC/BOS where possible (subject to frame review)	
Clear Outside Frame of All Air System Components (LH BOC)	
Clear Outside Frame of All Air System Components (RH BOC)	
Body Connection w/ (1) Trucklite Junction Box (LH EOF)	
FF: BR 20PLY 315/80R22.5 M860A (diameter = 42.8 inches; SLR = 19.9 inches)	
RR: BR 14 PLY 11R 22.5 M843 (diameter = 42.5 inches; SLR = 19.9 inches)	
Code - rear tire qty 8	
FF: Alcoa 893657 LVL 1 22.5 x 9.00 aluminum wheels	
RR: Alcoa 885657 LvL1 PLT 22.5x8.25 (aluminum wheel severe service)	
Code- Rear rim qty 8	
FF: polish wheels, outer surface, SGL/TDM steer (polish outer surface of outer wheel. without chrome wheel nuts)	
26" Aluminum 70 Gallon Fuel Tank LH U/C (Includes steps for cab access. paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability and reduce potential for leaks)	
Location LH U/C 70 Gallon	
Locking Fuel Tank Caps	
DEF Tank Mounted LH BOC (models 210, 220, and 320 mounted LH cab fender)	
Standard DEF to Fuel Ratio 2:1 or Greater	
Aluminum Space Saver Battery Box RH BOC (battery access from side)	
Rubber Battery Pad in Bottom of (1) Battery Box (mat in box that holds batteries only)	

<b>VEHICLE:</b>	Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$103,758.00	\$103,758.00	\$103,758.00	\$103,758.00

	Bumper Toe Step Cutout	
	Thermal Insulation Package in Cab (Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure)	
	Driver's Armrest - RH only (Required in Model 587 with Evolution LX seats. Optional with evolution ST and Rolltek seats)	
	Seat Belt Color Orange IPO Std. Black	
	Toolbox Under Passenger Seat (non-suspension seat)	
	Tow Hook Holders Mounted (requires toolbox under passenger seat, code 6939110)	
	Vanity Mirror on Inside Sunvisors (for use with ProBilt or Prestige Interior)	
	Premium Steering Wheel with Multi Function (Premium multi-functional leather wrapped steering wheel with Peterbilt logo over horn button. Included audio volume, seek, mute and mode button on LH pod with cruise control on/off cancel, set/resume and accelerate/coast on the right pod)	
	3 Piece Glass Rear Cab Window, All Pieces Fixed	
	Peterbilt Aero Rear View Mirror, Motorized (Includes top mirror with motorized, adjustable dual axis heated glass. Bottom mirror is an integrated convex surface. Includes black textured arms with breakaway feature)	
	Standard Speaker Package for Cab (2 speakers)	
	ConcertClass without CD, Includes BT Phone (includes audio, am/fm, wb, usb, and mp3)	
	CB Terminal Wiring, Microphone Clip, Speaker (F/O CB radio mounted center of header. Select antenna separately)	
	(2) Antennas for Factory Installed or F/O CB (mounted RH/LH side of roof, with antenna cables)	
	Removable Bugscreen Behind Grille	
	Cab Air Suspension	
	Auto Reset Circuit Protection (daycab and sleeper)	
	Triangle Reflector Kit Shipped Loose	
	5lb Dry Chemical ABC Fire Extinguisher	
	Backup Alarm (107dB)	
	Main Transmission Oil Temperature Gauge (located in driver information display)	
	Engine Oil Temperature Gauge (52 mm round, backlit. These physical gauges must be ordered in pairs and are limited to a total of 6)	
	General Air Pressure 1 Gauge (52mm round, backlit. Physical gauges must be ordered in pairs and are limited to a total of 6)	
	(1) Additional Dash Switch With Wiring (Extra wire included at the switch. Availability subject to dash space)	
	Ammeter - located in driver information display	
	None Furnished Stop/Tail/Backup Lights (available with full truck only. not available with tractor)	
	Peterbilt Signature Door Light Turn Signal	
	(1) F/O Load Light, Switch and (2) 10 FT Wire Coils (under cab/sleeper)	
	Heavy Duty Emissions Surcharge	



<b>VEHICLE:</b>	Model 567			
<b>DEALER:</b>	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$103,758.00	\$103,758.00	\$103,758.00	\$103,758.00

Day Cab/Prestige Interior (DM)
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Presentation Created Using Featured Spec (for model)
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## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>VOLVO - VHD42F200 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #56)</u></a>			
Transource, Inc.	2017 Volvo VHD42F200	★Appalachia	\$86,117.00
Transource, Inc.	2017 Volvo VHD42F200	★Dogwood	\$86,117.00
Transource, Inc.	2017 Volvo VHD42F200	★Cardinal	\$86,117.00
Transource, Inc.	2017 Volvo VHD42F200	★Longleaf Pine	\$86,117.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD42F200 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #56**

2017 Volvo VHD42F200

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE ADAPTATION**

- a. Gross Combination Weight - No gross combination weight provided
- b. Vehicle GHG Certification - Green house gas vocational application
- c. Vehicle Warranty Qualification - Standard heavy duty warranty qualified
- d. Vehicle Width - 102" (2590 mm) vehicle width

#### **2. PASSIVE AND ACTIVE SAFETY**

- a. Cab Type - High-strength steel (HSS) day cab with B-Pillar mounted exhaust
- b. Steering Wheel - Volvo safety 18" sport steering wheel and adjustable steering column
- c. SRS Air Bag - Volvo SRS air bag-driver side only
- d. Safety Belt Reminder - Safety belt indicator and audible reminder
- e. Auxiliary Down View Mirror - Down view mirror over passenger door
- f. Antilock Brake System Manufacturer - Bendix ABS

#### **3. ENGINE**

- a. Engine Package - Volvo D11-355 HP 2100RPM 1250 LB-FT-EPA'14 emission level

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - Single stage air cleaner
- b. Air intake - Hood mounted air intake
- c. Radiator - 930 sq in. 2 row core radiator
- d. Coolant - Extended life antifreeze -34 F (-37 C)
- e. Coolant Manufacturer - Chevron Texaco
- f. Fan Clutch Package - Electronic viscous fan clutch
- g. Starter - Delco remy 12V 39MTHD starter
- h. Alternator - 135 AMP delco remy 35SI pad mount alternator (12V)
- i. Battery Package - 2 Volvo 1000 CCA maintenance free 12V batteries, 2000 CCA
- j. Battery Box Mounting - Battery box, left hand side, behind front fender
- k. Battery Box Configuration - Battery box - 3 capacity
  - l. Battery Box Cover - Basic battery box cover
- m. Battery Disconnect Switch - Manual battery disconnect main switch
- n. Diesel Exhaust Fluid Tank - 18.5 gallon LH 26", frame mounted (168 lbs of def when filled to maximum level) included in base model weight
- o. Exhaust System - Compact DPF mounted right hand side under cab, frame mounted SCR, with cab mounted vertical pipe
- p. Exhaust Outlet Package - 10' 0" aluminized stainless steel single stack
- q. Exhaust Features - Straight stack, side outlet diffuser box
- r. Lower Exhaust Piping - Aluminized stainless steel exhaust pipe

- s. Exhaust Piping Flex Section - Stainless steel exhaust flex section
- t. Exhaust shield - Aluminum exhaust shield
- u. Primary Fuel Filter - Volvo dual engine mounted fuel filters with water separator
- v. Primary Fuel Filter Location - Standard fuel filter location
- w. Compressor - WABCO 31.8 CFM compressor
- x. Clutchable Air Compressor - No clutchable air compressor provided
- y. Engine Brake - Volvo engine brake (I-VEB) for D11 engine
- a`. Engine Oil Pan - Stamped steel oil pan (Standard oil change intervals)

## 5. TRANSMISSION

- a. Transmission Package - Fuller 10 speed manual
- b. Transmission Cooler - Water to oil trans cooler mounted on transmission
- c. Driveline Manufacturer - Spicer life driveline with greaseable XLU-Joints
- d. Driveline - Calculated to torque requirements

## 6. PROGRAMMABLE FEATURES

- a. Idle Emission Certification - Idle emission certification, carb 08
- b. Idle Emission Label Location - Cab mounted card '08 decal location
- c. Emission on Board Diag Control - Emission on board diagnostic, display only, USA 2016
- d. Engine Idle Automatic Shutdown (AL) - Engine idle shutdown, enable
- e. Engine Idle Shutdown Time (AM) - Idle shutdown time 5 minutes
- f. Engine Idle Control (CMQ) - Basic engine idle control
- g. Ambient Temp Max Threshold (CMO) - Max ambient air temp over-ride, 80 deg F (27 deg C)
- h. Ambient Temp Min Threshold (CMO) - Min ambient air temp over-ride, 45 deg F (7 deg C)
- i. Cruise Control (AG) - with eco cruise control
- j. Cruise Control, Max Speed (AI) - Maximum cruise, 65 MPH (105 km/h)
- k. Pedal Road Speed Limit Setting (P1/16) - Pedal road speed limit, 65 mph (105km/h)
- l. Road Speed Limit Setting (P1AOC) - Road speed limit, 65 mph (105 km/h)
- m. Gear Down Vehicle Speed Limiter (P1AL0) - Gear down vehicle speed limiter enabled
- n. Gear Down Vehicle Speed Limiter (P1AOC) - Gear down vehicle speed, 58 mph (93km/h)
- o. Cruise Control Min Speed (BK) - Min cruise, 30 mph (48 km/h)
- p. Road Speed Limit Control Type (P1I01) - With eco RSL control
- q. Optimized Fuel Econ Indicator (P1LXM) - Optimized fuel economy indicator, sweet spot
- r. Engine Load in PTO (CMM) - 30% minimum engine load limit in PTO before allow idle shutdown
- s. Maximum Engine Speed at 0 MPH (P1ANA) - 1400 maximum engine RPM at 0 MPH
- t. Engine Protection System (P1FGT) - Engine protection (shutdown)
- u. Coolant Warm Hold Temp (KBS) - Coolant warm hold temp enabled
- v. Fault Code Display Filter - Fault code display filter
- w. DPF Regeneration Controls - DPF regen control, auto regen in motion, manual parked regen, manual inhibit
- x. PTO Max Engine Set Speed (AND) - PTO engine maximum 700 RPM
- y. PTO Resume Engine Set Speed (ANE) - PTO Engine resume 700 RPM

## 7. FRONT AXLE

- a. Front Axle Package - Volvo VF14 14,600 LB Front Springs
- b. Brake Regulation - Brake regulation, stopping distance 310 FT (94M)
- c. Front Brake Package - Front brake bendix spicer, cast S-Cam, standard lube
- d. Front Brake Dimension - 16.5 x 5 front brake size
- e. Brake Drum, Front Axle - Cast iron front brake drum outboard mounted
- f. Front Brake Lining Material - Brake lining material front, bendix spicer EES-600
- g. Front Axle Brake Dust Shield - Front brake dust shields
- h. Hubs, Front axle - Iron preset plus front axle hub with integrated spindle nut
- i. Front Oil Seal Cap - Stemco visible cap with drain
- j. Front Axle Lubricant - Synthetic front axle lubricant
- k. Power Steering Gear - TRW THP60 integral power steering gear
- l. Front Suspension Package - Parabolic leaf front suspension
- m. Spring Maintenance Type - Lubricated spring pins and bushings

## 8. REAR AXLE

- a. Rear Axle Package - Meritor RS23-160 23,000 lb capacity
- b. Rear Axle Ratio - 2.93 rear axle ratio

- c. Differential Lock - No differential lock provided
- d. Rear Suspension Package - 22,500 lb multi-leaf spring suspension
- e. Rear Brake Package - Rear brake bendix spicer, cast S-Cam, standard lube
- f. Drive Axle Brake Dimension - 16.5 x 7 rear brake size
- g. Brake Drum, Drive Axle - Cast iron drive axle brake drum outboard mounted
- h. Drive Axle Brake Dust Shield - Rear brake dust shields
- i. Drive Axle Brake Lining Material - Brake lining material drive, bendix spicer ES-600
- j. Hubs, Drive Axle - Iron preset plus drive axle hub with integrated spindle nut
- k. Rear Axle Lubricant - Chevron delco gear lubricant esi sae 80W-90 (approved for meritor extended component warranty only)
  - l. Parking Brake Chamber Package - Two cam type haldex
- m. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- n. Chamber Stroke Length, Drive Axle - Basic length brake chamber stroke
- o. Front and Rear Slack Adjusters - Haldex brake adjuster front and rear
- p. Front Brake Chamber Size - Front brake chamber 24 square inches (service)

## 9. CHASSIS

- a. Driver Side Front Chassis Configuration - Left hand battery box - 3 capacity, def tank mounted behind battery box (VHDF)
- b. Passenger Side Front Chassis Configuration - Frame mounted SCR (VNM/VNL/VHD)
- c. Wheelbase - 199" wheelbase
- d. Overhang - 84" overhang
- e. Fuel Tank Shape-Diesel - 26" DIA cylindrical fuel tank
- f. Fuel Tank, Left Hand Side-Diesel - 75 gallon left hand fuel tank
- g. Fuel Tank, Right Hand Side-Diesel - No right hand diesel tank provided
- h. Fuel Tank Material-Diesel - Aluminum fuel tank material
  - i. Fuel Tank Position - Fuel tank position 1
  - j. DPF Cover - DPF cover, painted steel
- k. Diesel Exhaust Fluid Tank Cover - Painted diesel exhaust fluid tank cover
  - l. Fuel Lines - Nylon fuel lines
- m. Fuel Tank Straps - Painted steel fuel tank straps
- n. Fuel Tank Cap/Def Tank Cap - Non-locking fuel tank cap
- o. Air Tank Arrangement - Air tank arrangement, basic
- p. Air Tanks - Steel air tanks
- q. Air Dryer - Meritor wabco air dryer, 1200UP without turbo cut off valve, with heater and coalescing oil filter
- r. Air Tank Drain Valve - Manual pull cord on brake system tanks
- s. Frame Rail Package - 11.81" x 3.54" x .31" straight steel rails
- t. Front Frame Extension - No front frame extension provided
- u. Intermediate Crossmember Material - Steel crossmember material
- v. Intermediate Crossmember Configuration - Basic intermediate crossmember
- w. Forward Rear Susp Crossmember Material - Steel crossmember material
- x. Rear Frame Treatment - Straight cut-off rear crossmember
- y. Front Bumper - Steel construction bumper-three piece
- a'. Bumper Position - Bumper mounted standard position
- aa. Front Fender Extension - No front fender extension provided
- ab. Main Chassis Wiring Harness Covering - Basic main chassis wiring harness covering
- ac. LH Fuel Tank Face Location - LH fuel tank front face @ XM=4325

## 10. TRANSPORT ADAPTATION

- a. Electrical Connections Back of Cab - Body builder connections back of cab
- b. Trailer Brake Hand Control - Delete trailer brake hand control
- c. Center Console For Body Controls - Mounting plate only for body controls
- d. Body Builder Electrical Prep - Electrical complete kit for body builder and/or I-Shift PTO's, ECU dash to chassis

## 11. CAB EXTERIOR

- a. Cab Suspension - Mechanical cab suspension with shocks
- b. Auxiliary Rear Window - Standard rear window
- c. Wiper Blade - Basic wiper blade
- d. Front Grille - Black molded front grille
- e. Bug Screen - Bug screen behind grille

- f. Air Intake Grille Finish - Air intake grille, black
- g. Air Horn - Dual trumpet mounted under cab
- h. Exterior Side View Mirrors - Black vocational mirrors with long arms
- i. Exterior Sunvisor - Exterior Sunvisor with clear lens LED marker lamps

## 12. CAB INTERIOR

- a. Interior Trim Package - Choice vinyl with espresso brown trim package
- b. Seat Manufacturer - National seat
- c. Driver Seat Type - Comfort air suspension high back
- d. Passenger Seat Type - Stationary tool box high back
- e. Driver Seat Upholstery - Driver seat espresso brown vinyl
- f. Safety Belt Length - Standard safety belt length
- g. Safety Belt Driver Seat - Safety belt driver seat, black
- h. Safety Belt Passenger Seat - Safety belt passenger seat, black
- i. Climate Unit - Integral air conditioner with heater-manual controls
- j. Parking Heater - Without parking heater
- k. Dog House - Dog house two piece
- l. Storage Overhead Driver - Netted overhead storage (Drive/passenger sides) with CB mounting and auxiliary switches
- m. Gauge Package - Eight gauge instrument cluster with base driver information display (DID)
- n. Diagnostics Display in Cluster - Basic diagnostics display in cluster
- o. Air Restriction Indicator - Graduated ARI on filter
- p. Speedometer Graduation - MPH Speedometer Graduation

## 13. LIGHTING

- a. Auxiliary Lamps - Snow plow lamp prep
- b. Headlamps - Halogen headlamps
- c. Daytime Running Lamps - Equipped with daytime running lights
- d. Stop and Tail Lights - Dual with integral backup lights
- e. Turn Signal Switch - Self cancelling turn signal switch

## 14. AUDIO SYSTEM

- a. Radio Package - AM/FM/CD/MP3/Bluetooth Radio
- b. Radio Antenna - Single RH 48 inch mirror MTD radio antenna
- c. Steering Wheel Controls - Marker interrupt, headlamp interrupt, radio, phone controls in steering wheel
- d. Radio Speakers - Speakers in dash only
- e. CB Radio Mounting - Overhead mounted CB hold down
- f. CB Antenna - Single left hand 48 inch mirror mounted CB antenna

## 15. MISC CAB EQUIPMENT

- a. Window Lift - Manual window lift
- b. Door Locks Cab - Manual cab door locks
- c. Key Type - Basic unique key
- d. Key Quantity Per Unit - 4 keys provided per unit
- e. Electrical Dash Outlet - One 12 volt dash outlet

## 16. TIRES AND WHEELS FRONT

- a. Tire Package Front - 315/80R22.5L Bridgestone M860A (20000 lbs. gawr) on/off road usage
- b. Tire Classification Front - GHG front tire classification, low rolling resistance
- c. Rim/Wheel Package Front - 22.5 x 9.00 maxion steel powder coat white 286BC 5 hand holes hub piloted
- d. Front Wheel and Tire Quantity - Two front wheels and tires

## 17. TIRES AND WHEELS REAR

- a. Tire Package Rear - 11R22.5G Bridgestone R268(23360 lbs. gawr) regional haul
- b. Rim/Wheel Package Front - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Drive Wheel and Tire Quantity - Four drive wheels and tires

## 18. MISC TIRE EQUIPMENT

- a. Tire Inflation Valve - Tire Inflation Valve, Standard

19. PAIN

- a. Cab Paint Scheme - Single Color Paint
- b. First Cab Color - Glacier White P3029
- c. Cab Paint Type - BC/CC-Solid
- d. Chassis Color - Black P3036
- e. Bumper Color - Same as first cab color
- f. Disc Wheel or Rim Color - Steel disc wheels-prepainted white, powder-coat, aluminum or stylized disc-unpainted
- g. Spoke Wheel/Hub Color - Spoke WHL?HUB same as chassis-al unptd

20. BUSINESS SERVICES

- a. Pre-Delivery Inspection - Pre-Delivery inspection, basic

21. BASE WARRANTY AND PURCHASED COVERAGES

- a. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- b. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- c. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- d. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- e. Vehicle Emissions Components Coverage - US & Canada Volvo engine equipped vehicle emissions components coverage, 60 months/100K miles
- f. Transmission Coverage - Standard I-Shift SD trans, heavy duty vehicle, 36 mths/250K miles
- g. Additional Extended Chassis Towing Coverage - Base chassis towing coverage, 90 day/5000 mile/8050 kilometer
- h. Additional Extended Engine Towing Coverage - Base Volvo engine coverage, 24mo/250K mile
- i. Remote Diagnostics Bundle - Remote diagnostics: includes assist and Volvo action service - 24 months
- j. Uptime Center Bundle - Assist and Volvo action service - 24 months

22. SUBTOTALS

- a. Base Weight - Front Weight - 8,324
- b. Base Weight - Rear Weight - 5,351

23. MODEL PACKAGE

- a. Manufacturing Location - Volvo Trucks - Assembled in the USA



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD42F200 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #56**

#### **2017 Volvo VHD42F200**

The Volvo VHD42F200 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$86,117.00	\$86,117.00	\$86,117.00	\$86,117.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	VHD42F200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$86,117.00	\$86,117.00	\$86,117.00	\$86,117.00

Order Code	Add Options	All Zones
1017R1 <sup>1</sup>	D11 - 365HP	\$595.00 <sup>1</sup>
1017S6 <sup>1</sup>	D13 - 475HP <i>MAY REQUIRE ADDITIONAL OPTIONS</i> <sup>1</sup>	\$6,728.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Electronics - Performance Volvo I-Shift transmission electronics (with premium shifter)	\$3,159.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Performance Mode - Volvo I-Shift Transmission performance mode, enabled with auto return to economy mode	\$3,159.00 <sup>1</sup>
6SAA1X <sup>1</sup>	Volvo Transmission Kick-Down Mode - Volvo I-Shift transmission kick-down mode, enable in economy and performance modes <i>REQUIRES I-SHIFT TRANSMISSION</i> <sup>1</sup>	\$25.00 <sup>1</sup>
RVXH5X <sup>1</sup>	Gear Shift Lever - Gear shift lever, premium, I-Shift <i>REQUIRES I-SHIFT TRANSMISSION</i> <sup>1</sup>	\$3,159.00 <sup>1</sup>
270743 <sup>1</sup>	Eaton RTLO-16913A - 13 Speed	\$1,283.00 <sup>1</sup>
	Transmission Lubricant - Synthetic 75W-90 trans lubricant <i>STANDARD WITH I-SHIFT TRANSMISSION</i> <sup>1</sup>	Incl. <sup>1</sup>
	Clutch - Eaton E2 Clutch 15"	NA
	Allison 3000 5spd	NA
270768 <sup>1</sup>	Allison 4500 5spd <i>MAY REQUIRE ADDITIONAL OPTIONS</i> <sup>1</sup>	\$18,948.00 <sup>1</sup>
J8XG1X <sup>1</sup>	125 gallon single tank <i>MAY REQUIRE WHEELBASE ADJUSTMENT</i> <sup>1</sup>	\$178.00 <sup>1</sup>
J8XXXX <sup>1</sup>	Dual 50 gallon tanks <i>MAY REQUIRE ADDITIONAL OPTIONS</i> <sup>1</sup>	\$616.00 <sup>1</sup>
370408 <sup>1</sup>	Volvo VF22 22,800 LB	\$1,418.00 <sup>1</sup>
371071 <sup>1</sup>	22,800 LM Leaf Spring <i>STANDARD WITH 22,800 FRONT AXLE</i> <sup>1</sup>	Incl. <sup>1</sup>
	Meritor - 40,000 LB with Aluminum Carrier	NA
	Volvo - 40,000 lb multileaf	NA
400198 <sup>1</sup>	198" WB <i>NON STANDARD OPTION, MAY REQUIRE ADDITIONAL OPTIONS.</i> <sup>1</sup>	NC <sup>1</sup>
400240 <sup>1</sup>	240" WB	\$609.00 <sup>1</sup>
U4XC1X <sup>1</sup>	Meritor Drum Outboard Mounted	\$216.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>VOLVO - VHD42B200 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #57)</u></a>			
Transource, Inc.	2017 Volvo VHD42B200	★Appalachia	\$85,651.00
Transource, Inc.	2017 Volvo VHD42B200	★Dogwood	\$85,651.00
Transource, Inc.	2017 Volvo VHD42B200	★Cardinal	\$85,651.00
Transource, Inc.	2017 Volvo VHD42B200	★Longleaf Pine	\$85,651.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD42B200 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #57**

2017 Volvo VHD42B200

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE ADAPTATION**

- a. Gross Combination Weight - No gross combination weight provided
- b. Vehicle GHG Certification - Green house gas vocational application
- c. Vehicle Warranty Qualification - Standard heavy duty warranty qualified
- d. Vehicle Width - 102" (2590 mm) vehicle width

#### **2. PASSIVE AND ACTIVE SAFETY**

- a. Cab Type - High-strength steel (HSS) day cab with B-Pillar mounted exhaust
- b. Steering Wheel - Volvo safety 18" sport steering wheel and adjustable steering column
- c. SRS Air Bag - Volvo SRS air bag-driver side only
- d. Safety Belt Reminder - Safety belt indicator and audible reminder
- e. Auxiliary Down View Mirror - Down view mirror over passenger door
- f. Antilock Brake System Manufacturer - Bendix ABS

#### **3. ENGINE**

- a. Engine Package - Volvo D11-355 HP 2100RPM 1250 LB-FT-EPA'14 emission level

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - Single stage air cleaner
- b. Air intake - Hood mounted air intake
- c. Radiator - 930 sq in. 2 row core radiator
- d. Coolant - Extended life antifreeze -34 F (-37 C)
- e. Coolant Manufacturer - Chevron Texaco
- f. Fan Clutch Package - Electronic viscous fan clutch
- g. Starter - Delco remy 12V 39MTHD starter
- h. Alternator - 135 AMP delco remy 35SI pad mount alternator (12V)
- i. Battery Package - 2 Volvo 1000 CCA maintenance free 12V batteries, 2000 CCA
- j. Battery Box Mounting - Battery box, left hand side, behind front fender
- k. Battery Box Configuration - Battery box - 3 capacity
  - l. Battery Box Cover - Basic battery box cover
- m. Battery Disconnect Switch - Manual battery disconnect main switch
- n. Diesel Exhaust Fluid Tank - 18.5 gallon LH 26", frame mounted (168 lbs of def when filled to maximum level) included in base model weight
- o. Exhaust System - Compact DPF mounted right hand side under cab, frame mounted SCR, with cab mounted vertical pipe
- p. Exhaust Outlet Package - 10' 0" aluminized stainless steel single stack
- q. Exhaust Features - Straight stack, side outlet diffuser box
- r. Lower Exhaust Piping - Aluminized stainless steel exhaust pipe

- s. Exhaust Piping Flex Section - Stainless steel exhaust flex section
- t. Exhaust shield - Aluminum exhaust shield
- u. Primary Fuel Filter - Volvo dual engine mounted fuel filters with water separator
- v. Primary Fuel Filter Location - Standard fuel filter location
- w. Compressor - WABCO 31.8 CFM compressor
- x. Clutchable Air Compressor - No clutchable air compressor provided
- y. Engine Brake - Volvo engine brake (I-VEB) for D11 engine
- a`. Engine Oil Pan - Stamped steel oil pan (Standard oil change intervals)

## 5. TRANSMISSION

- a. Transmission Package - Fuller 10 speed manual
- b. Transmission Cooler - Water to oil trans cooler mounted on transmission
- c. Driveline Manufacturer - Spicer life driveline with greaseable XLU-Joints
- d. Driveline - Calculated to torque requirements

## 6. PROGRAMMABLE FEATURES

- a. Idle Emission Certification - Idle emission certification, carb 08
- b. Idle Emission Label Location - Cab mounted card '08 decal location
- c. Emission on Board Diag Control - Emission on board diagnostic, display only, USA 2016
- d. Engine Idle Automatic Shutdown (AL) - Engine idle shutdown, enable
- e. Engine Idle Shutdown Time (AM) - Idle shutdown time 5 minutes
- f. Engine Idle Control (CMQ) - Basic engine idle control
- g. Ambient Temp Max Threshold (CMO) - Max ambient air temp over-ride, 80 deg F (27 deg C)
- h. Ambient Temp Min Threshold (CMO) - Min ambient air temp over-ride, 45 deg F (7 deg C)
- i. Cruise Control (AG) - with eco cruise control
- j. Cruise Control, Max Speed (AI) - Maximum cruise, 65 MPH (105 km/h)
- k. Pedal Road Speed Limit Setting (P1/16) - Pedal road speed limit, 65 mph (105km/h)
- l. Road Speed Limit Setting (P1AOC) - Road speed limit, 65 mph (105 km/h)
- m. Gear Down Vehicle Speed Limiter (P1AL0) - Gear down vehicle speed limiter enabled
- n. Gear Down Vehicle Speed Limiter (P1AOC) - Gear down vehicle speed, 58 mph (93km/h)
- o. Cruise Control Min Speed (BK) - Min cruise, 30 mph (48 km/h)
- p. Road Speed Limit Control Type (P1I01) - With eco RSL control
- q. Optimized Fuel Econ Indicator (P1LXM) - Optimized fuel economy indicator, sweet spot
- r. Engine Load in PTO (CMM) - 30% minimum engine load limit in PTO before allow idle shutdown
- s. Maximum Engine Speed at 0 MPH (P1ANA) - 1400 maximum engine RPM at 0 MPH
- t. Engine Protection System (P1FGT) - Engine protection (shutdown)
- u. Coolant Warm Hold Temp (KBS) - Coolant warm hold temp enabled
- v. Fault Code Display Filter - Fault code display filter
- w. DPF Regeneration Controls - DPF regen control, auto regen in motion, manual parked regen, manual inhibit
- x. PTO Max Engine Set Speed (AND) - PTO engine maximum 700 RPM
- y. PTO Resume Engine Set Speed (ANE) - PTO Engine resume 700 RPM

## 7. FRONT AXLE

- a. Front Axle Package - Volvo VF14 14,600 LB Front Springs
- b. Brake Regulation - Brake regulation, stopping distance 310 FT (94M)
- c. Front Brake Package - Front brake bendix spicer, cast S-Cam, standard lube
- d. Front Brake Dimension - 16.5 x 5 front brake size
- e. Brake Drum, Front Axle - Cast iron front brake drum outboard mounted
- f. Front Brake Lining Material - Brake lining material front, bendix spicer EES-600
- g. Front Axle Brake Dust Shield - Front brake dust shields
- h. Hubs, Front axle - Iron preset plus front axle hub with integrated spindle nut
- i. Front Oil Seal Cap - Stemco visible cap with drain
- j. Front Axle Lubricant - Synthetic front axle lubricant
- k. Power Steering Gear - TRW THP60 integral power steering gear
- l. Front Suspension Package - Parabolic leaf front suspension
- m. Spring Maintenance Type - Lubricated spring pins and bushings

## 8. REAR AXLE

- a. Rear Axle Package - Meritor RS23-160 23,000 lb capacity
- b. Rear Axle Ratio - 2.93 rear axle ratio

- c. Differential Lock - No differential lock provided
- d. Rear Suspension Package - 22,500 lb multi-leaf spring suspension
- e. Rear Brake Package - Rear brake bendix spicer, cast S-Cam, standard lube
- f. Drive Axle Brake Dimension - 16.5 x 7 rear brake size
- g. Brake Drum, Drive Axle - Cast iron drive axle brake drum outboard mounted
- h. Drive Axle Brake Dust Shield - Rear brake dust shields
- i. Drive Axle Brake Lining Material - Brake lining material drive, bendix spicer ES-600
- j. Hubs, Drive Axle - Iron preset plus drive axle hub with integrated spindle nut
- k. Rear Axle Lubricant - Chevron delco gear lubricant esi sae 80W-90 (approved for meritor extended component warranty only)
  - l. Parking Brake Chamber Package - Two cam type haldex
- m. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- n. Chamber Stroke Length, Drive Axle - Basic length brake chamber stroke
- o. Front and Rear Slack Adjusters - Haldex brake adjuster front and rear
- p. Front Brake Chamber Size - Front brake chamber 24 square inches (service)

## 9. CHASSIS

- a. Driver Side Front Chassis Configuration - Left hand battery box - 3 capacity, def tank mounted behind battery box (VHDF)
- b. Passenger Side Front Chassis Configuration - Frame mounted SCR (VNM/VNL/VHD)
- c. Wheelbase - 177" wheelbase
- d. Overhang - 84" overhang
- e. Fuel Tank Shape-Diesel - 26" DIA cylindrical fuel tank
- f. Fuel Tank, Left Hand Side-Diesel - 75 gallon left hand fuel tank
- g. Fuel Tank, Right Hand Side-Diesel - No right hand diesel tank provided
- h. Fuel Tank Material-Diesel - Aluminum fuel tank material
  - i. Fuel Tank Position - Fuel tank position 1
  - j. DPF Cover - DPF cover, painted steel
- k. Diesel Exhaust Fluid Tank Cover - Painted diesel exhaust fluid tank cover
  - l. Fuel Lines - Nylon fuel lines
- m. Fuel Tank Straps - Painted steel fuel tank straps
- n. Fuel Tank Cap/Def Tank Cap - Non-locking fuel tank cap
- o. Air Tank Arrangement - Air tank arrangement, basic
- p. Air Tanks - Steel air tanks
- q. Air Dryer - Meritor wabco air dryer, 1200UP without turbo cut off valve, with heater and coalescing oil filter
- r. Air Tank Drain Valve - Manual pull cord on brake system tanks
- s. Frame Rail Package - 11.81" x 3.54" x .31" straight steel rails
- t. Front Frame Extension - No front frame extension provided
- u. Intermediate Crossmember Material - Steel crossmember material
- v. Intermediate Crossmember Configuration - Basic intermediate crossmember
- w. Forward Rear Susp Crossmember Material - Steel crossmember material
- x. Rear Frame Treatment - Straight cut-off rear crossmember
- y. Front Bumper - Steel construction bumper-three piece
- a'. Bumper Position - Bumper mounted standard position
- aa. Front Fender Extension - No front fender extension provided
- ab. Main Chassis Wiring Harness Covering - Basic main chassis wiring harness covering
- ac. LH Fuel Tank Face Location - LH fuel tank front face @ XM=4525

## 10. TRANSPORT ADAPTATION

- a. Electrical Connections Back of Cab - Body builder connections back of cab
- b. Trailer Brake Hand Control - Delete trailer brake hand control
- c. Center Console For Body Controls - Mounting plate only for body controls
- d. Body Builder Electrical Prep - Electrical complete kit for body builder and/or I-Shift PTO's, ECU dash to chassis

## 11. CAB EXTERIOR

- a. Cab Suspension - Mechanical cab suspension with shocks
- b. Auxiliary Rear Window - Standard rear window
- c. Wiper Blade - Basic wiper blade
- d. Front Grille - Black molded front grille
- e. Bug Screen - Bug screen behind grille

- f. Air Intake Grille Finish - Air intake grille, black
- g. Air Horn - Dual trumpet mounted under cab
- h. Exterior Side View Mirrors - Black vocational mirrors with long arms
- i. Exterior Sunvisor - Exterior Sunvisor with clear lens LED marker lamps

## 12. CAB INTERIOR

- a. Interior Trim Package - Choice vinyl with espresso brown trim package
- b. Seat Manufacturer - National seat
- c. Driver Seat Type - Comfort air suspension high back
- d. Passenger Seat Type - Stationary tool box high back
- e. Driver Seat Upholstery - Driver seat espresso brown vinyl
- f. Safety Belt Length - Standard safety belt length
- g. Safety Belt Driver Seat - Safety belt driver seat, black
- h. Safety Belt Passenger Seat - Safety belt passenger seat, black
- i. Climate Unit - Integral air conditioner with heater-manual controls
- j. Parking Heater - Without parking heater
- k. Dog House - Dog house two piece
- l. Storage Overhead Driver - Netted overhead storage (Drive/passenger sides) with CB mounting and auxiliary switches
- m. Gauge Package - Eight gauge instrument cluster with base driver information display (DID)
- n. Diagnostics Display in Cluster - Basic diagnostics display in cluster
- o. Air Restriction Indicator - Graduated ARI on filter
- p. Speedometer Graduation - MPH Speedometer Graduation

## 13. LIGHTING

- a. Auxiliary Lamps - Snow plow lamp prep
- b. Headlamps - Halogen headlamps
- c. Daytime Running Lamps - Equipped with daytime running lights
- d. Stop and Tail Lights - Dual with integral backup lights
- e. Turn Signal Switch - Self cancelling turn signal switch

## 14. AUDIO SYSTEM

- a. Radio Package - AM/FM/CD/MP3/Bluetooth Radio
- b. Radio Antenna - Single RH 48 inch mirror MTD radio antenna
- c. Steering Wheel Controls - Marker interrupt, headlamp interrupt, radio, phone controls in steering wheel
- d. Radio Speakers - Speakers in dash only
- e. CB Radio Mounting - Overhead mounted CB hold down
- f. CB Antenna - Single left hand 48 inch mirror mounted CB antenna

## 15. MISC CAB EQUIPMENT

- a. Window Lift - Manual window lift
- b. Door Locks Cab - Manual cab door locks
- c. Key Type - Basic unique key
- d. Key Quantity Per Unit - 4 keys provided per unit
- e. Electrical Dash Outlet - One 12 volt dash outlet

## 16. TIRES AND WHEELS FRONT

- a. Tire Package Front - 315/80R22.5L Bridgestone M860A (20000 lbs. gawr) on/off road usage
- b. Tire Classification Front - GHG front tire classification, low rolling resistance
- c. Rim/Wheel Package Front - 22.5 x 9.00 maxion steel powder coat white 286BC 5 hand holes hub piloted
- d. Front Wheel and Tire Quantity - Two front wheels and tires

## 17. TIRES AND WHEELS REAR

- a. Tire Package Rear - 11R22.5G Bridgestone R268(23360 lbs. gawr) regional haul
- b. Rim/Wheel Package Front - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Drive Wheel and Tire Quantity - Four drive wheels and tires

## 18. MISC TIRE EQUIPMENT

- a. Tire Inflation Valve - Tire Inflation Valve, Standard

19. PAIN

- a. Cab Paint Scheme - Single Color Paint
- b. First Cab Color - Glacier White P3029
- c. Cab Paint Type - BC/CC-Solid
- d. Chassis Color - Black P3036
- e. Bumper Color - Same as first cab color
- f. Disc Wheel or Rim Color - Steel disc wheels-prepainted white, powder-coat, aluminum or stylized disc-unpainted
- g. Spoke Wheel/Hub Color - Spoke WHL?HUB same as chassis-al unptd

20. BUSINESS SERVICES

- a. Pre-Delivery Inspection - Pre-Delivery inspection, basic

21. BASE WARRANTY AND PURCHASED COVERAGES

- a. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- b. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- c. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- d. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- e. Vehicle Emissions Components Coverage - US & Canada Volvo engine equipped vehicle emissions components coverage, 60 months/100K miles
- f. Transmission Coverage - Standard I-Shift SD trans, heavy duty vehicle, 36 mths/250K miles
- g. Additional Extended Chassis Towing Coverage - Base chassis towing coverage, 90 day/5000 mile/8050 kilometer
- h. Additional Extended Engine Towing Coverage - Base Volvo engine coverage, 24mo/250K mile
- i. Remote Diagnostics Bundle - Remote diagnostics: includes assist and Volvo action service - 24 months
- j. Uptime Center Bundle - Assist and Volvo action service - 24 months

22. SUBTOTALS

- a. Base Weight - Front Weight - 9,167
- b. Base Weight - Rear Weight - 4,515

23. MODEL PACKAGE

- a. Manufacturing Location - Volvo Trucks - Assembled in the USA



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD42B200 – (4X2 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #57**

#### **2017 Volvo VHD42B200**

The Volvo VHD42B200 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$85,651.00	\$85,651.00	\$85,651.00	\$85,651.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	VHD42B200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$85,651.00	\$85,651.00	\$85,651.00	\$85,651.00

Order Code	Add Options	All Zones
1017R1 <sup>1</sup>	D11 - 365HP	\$595.00 <sup>1</sup>
1017S6 <sup>1</sup>	D13 - 475HP	\$6,728.00 <sup>1</sup>
	Transmission Lubricant - Synthetic 75W-90 trans lubricant <i>STANDARD WITH I-SHIFT TRNASMISSION<sup>1</sup></i>	NC <sup>1</sup>
270743 <sup>1</sup>	Eaton RTLO-16913A - 13 Speed <i>MAY REQUIRE ADDITIONAL OPTIONS<sup>1</sup></i>	\$1,283.00 <sup>1</sup>
	Allison 3000 5spd	NA
270768 <sup>1</sup>	Allison 4500 5spd <i>MAY REQUIRE ADDITIONAL OPTIONS<sup>1</sup></i>	\$18,948.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Electronics - Performance Volvo I-Shift transmission electronics (with premium shifter)	\$3,159.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Performance Mode - Volvo I-Shift Transmission performance mode, enabled with auto return to economy mode	\$3,159.00 <sup>1</sup>
6SAA1X <sup>1</sup>	Volvo Transmission Kick-Down Mode - Volvo I-Shift transmission kick-down mode, enable in economy and performance modes <i>REQUIRES I-SHIFT TRNASMISSION<sup>1</sup></i>	\$25.00 <sup>1</sup>
RVXH5X <sup>1</sup>	Gear Shift Lever - Gear shift lever, premium, I-Shift <i>REQUIRES I-SHIFT TRANSMISSION<sup>1</sup></i>	\$27.00 <sup>1</sup>
	Clutch - Eaton E2 Clutch 15"	NA
J8XG1X <sup>1</sup>	125 gallon single tank <i>MAY REQUIRE ADDITONAL WHEELBASE<sup>1</sup></i>	\$178.00 <sup>1</sup>
J8XXXX <sup>1</sup>	Dual 50 gallon tanks <i>MAY REQUIRED ADDITONAL WHEELBASE<sup>1</sup></i>	\$616.00 <sup>1</sup>
370408 <sup>1</sup>	Volvo VF22 22,800 LB	\$1,214.00 <sup>1</sup>
371071 <sup>1</sup>	22,800 LM Leaf Spring <i>STANDARD WITH 22,800 FRONT AXLE<sup>1</sup></i>	Incl. <sup>1</sup>
	Meritor - 40,000 LB with Aluminum Carrier	NA
	Volvo - 40,000 lb multileaf	NA
400198 <sup>1</sup>	198" WB <i>NON STANDARD WHEELBASE MAY REQUIRE ADDITIONAL OPTIONS.<sup>1</sup></i>	NC <sup>1</sup>
400240 <sup>1</sup>	240" WB	\$609.00 <sup>1</sup>
U4XC1X <sup>1</sup>	Meritor Drum Outboard Mounted	\$216.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>VOLVO - VHD64B200 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #58)</u></a>			
Transource, Inc.	2017 Volvo VHD64B200	★Appalachia	\$91,355.00
Transource, Inc.	2017 Volvo VHD64B200	★Dogwood	\$91,355.00
Transource, Inc.	2017 Volvo VHD64B200	★Cardinal	\$91,355.00
Transource, Inc.	2017 Volvo VHD64B200	★Longleaf Pine	\$91,355.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD64B200 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #58**

2017 Volvo VHD64B200

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE ADAPTATION**

- a. Gross Combination Weight - No gross combination weight provided
- b. Vehicle GHG Certification - Green house gas vocational application
- c. Vehicle Warranty Qualification - Standard heavy duty warranty qualified
- d. Vehicle Width - 102" (2590 mm) vehicle width

#### **2. PASSIVE AND ACTIVE SAFETY**

- a. Cab Type - High-strength steel (HSS) day cab with B-Pillar mounted exhaust
- b. Steering Wheel - Volvo safety 18" sport steering wheel and adjustable steering column
- c. SRS Air Bag - Volvo SRS air bag-driver side only
- d. Safety Belt Reminder - Safety belt indicator and audible reminder
- e. Auxiliary Down View Mirror - Down view mirror over passenger door
- f. Antilock Brake System Manufacturer - Bendix ABS

#### **3. ENGINE**

- a. Engine Package - Volvo D11-355 HP 2100RPM 1250 LB-FT-EPA'14 emission level

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - Single stage air cleaner
- b. Air intake - Hood mounted air intake
- c. Radiator - 930 sq in. 2 row core radiator
- d. Coolant - Extended life antifreeze -34 F (-37 C)
- e. Coolant Manufacturer - Chevron Texaco
- f. Fan Clutch Package - Electronic viscous fan clutch
- g. Starter - Delco remy 12V 39MTHD starter
- h. Alternator - 135 AMP delco remy 35SI pad mount alternator (12V)
- i. Battery Package - 2 Volvo 1000 CCA maintenance free 12V batteries, 2000 CCA
- j. Battery Box Mounting - Battery box, left hand side, behind front fender
- k. Battery Box Configuration - Battery box - 3 capacity
  - l. Battery Box Cover - Basic battery box cover
- m. Battery Disconnect Switch - Manual battery disconnect main switch
- n. Diesel Exhaust Fluid Tank - 18.5 gallon LH 26", frame mounted (168 lbs of def when filled to maximum level) included in base model weight
- o. Exhaust System - Compact DPF mounted right hand side under cab, frame mounted SCR, with cab mounted vertical pipe
- p. Exhaust Outlet Package - 10' 0" aluminized stainless steel single stack
- q. Exhaust Features - Straight stack, side outlet diffuser box
- r. Lower Exhaust Piping - Aluminized stainless steel exhaust pipe

- s. Exhaust Piping Flex Section - Stainless steel exhaust flex section
- t. Exhaust shield - Aluminum exhaust shield
- u. Primary Fuel Filter - Volvo dual engine mounted fuel filters with water separator
- v. Primary Fuel Filter Location - Standard fuel filter location
- w. Compressor - WABCO 31.8 CFM compressor
- x. Clutchable Air Compressor - No clutchable air compressor provided
- y. Engine Brake - Volvo engine brake (I-VEB) for D11 engine
- a`. Engine Oil Pan - Stamped steel oil pan (Standard oil change intervals)

## 5. TRANSMISSION

- a. Transmission Package - Fuller 10 speed manual
- b. Transmission Cooler - Water to oil trans cooler mounted on transmission
- c. Driveline Manufacturer - Spicer life driveline with greaseable XLU-Joints
- d. Driveline - Calculated to torque requirements

## 6. PROGRAMMABLE FEATURES

- a. Idle Emission Certification - Idle emission certification, carb 08
- b. Idle Emission Label Location - Cab mounted card '08 decal location
- c. Emission on Board Diag Control - Emission on board diagnostic, display only, USA 2016
- d. Engine Idle Automatic Shutdown (AL) - Engine idle shutdown, enable
- e. Engine Idle Shutdown Time (AM) - Idle shutdown time 5 minutes
- f. Engine Idle Control (CMQ) - Basic engine idle control
- g. Ambient Temp Max Threshold (CMO) - Max ambient air temp over-ride, 80 deg F (27 deg C)
- h. Ambient Temp Min Threshold (CMO) - Min ambient air temp over-ride, 45 deg F (7 deg C)
- i. Cruise Control (AG) - with eco cruise control
- j. Cruise Control, Max Speed (AI) - Maximum cruise, 65 MPH (105 km/h)
- k. Pedal Road Speed Limit Setting (P1/16) - Pedal road speed limit, 65 mph (105km/h)
- l. Road Speed Limit Setting (P1AOC) - Road speed limit, 65 mph (105 km/h)
- m. Gear Down Vehicle Speed Limiter (P1AL0) - Gear down vehicle speed limiter enabled
- n. Gear Down Vehicle Speed Limiter (P1AOC) - Gear down vehicle speed, 58 mph (93km/h)
- o. Cruise Control Min Speed (BK) - Min cruise, 30 mph (48 km/h)
- p. Road Speed Limit Control Type (P1I01) - With eco RSL control
- q. Optimized Fuel Econ Indicator (P1LXM) - Optimized fuel economy indicator, sweet spot
- r. Engine Load in PTO (CMM) - 30% minimum engine load limit in PTO before allow idle shutdown
- s. Maximum Engine Speed at 0 MPH (P1ANA) - 1400 maximum engine RPM at 0 MPH
- t. Engine Protection System (P1FGT) - Engine protection (shutdown)
- u. Coolant Warm Hold Temp (KBS) - Coolant warm hold temp enabled
- v. Fault Code Display Filter - Fault code display filter
- w. DPF Regeneration Controls - DPF regen control, auto regen in motion, manual parked regen, manual inhibit
- x. PTO Max Engine Set Speed (AND) - PTO engine maximum 700 RPM
- y. PTO Resume Engine Set Speed (ANE) - PTO Engine resume 700 RPM

## 7. FRONT AXLE

- a. Front Axle Package - Volvo VF14 14,600 LB Front Springs
- b. Brake Regulation - Brake regulation, stopping distance 310 FT (94M)
- c. Front Brake Package - Front brake bendix spicer, cast S-Cam, standard lube
- d. Front Brake Dimension - 16.5 x 5 front brake size
- e. Brake Drum, Front Axle - Cast iron front brake drum outboard mounted
- f. Front Brake Lining Material - Brake lining material front, bendix spicer EES-600
- g. Front Axle Brake Dust Shield - Front brake dust shields
- h. Hubs, Front axle - Iron preset plus front axle hub with integrated spindle nut
- i. Front Oil Seal Cap - Stemco visible cap with drain
- j. Front Axle Lubricant - Synthetic front axle lubricant
- k. Power Steering Gear - TRW THP60 integral power steering gear
- l. Front Suspension Package - Parabolic leaf front suspension
- m. Spring Maintenance Type - Lubricated spring pins and bushings

## 8. REAR AXLE

- a. Rear Axle Package - Meritor MT-40-14x4D hypoid (heavy duty housing) 40,000 lb capacity
- b. Rear Axle Ratio - 2.64 rear axle ratio

- c. Differential Lock - Interaxle differential lock
- d. Rear Suspension Package - 40,000 lb Volvo T-Ride (2-leaf firm ride) 54" spacing
- e. Rear Brake Package - Rear brake bendix spicer, cast S-Cam, standard lube
- f. Drive Axle Brake Dimension - 16.5 x 7 rear brake size
- g. Brake Drum, Drive Axle - Cast iron drive axle brake drum outboard mounted
- h. Drive Axle Brake Dust Shield - Rear brake dust shields
- i. Drive Axle Brake Lining Material - Brake lining material drive, bendix spicer ES-600
- j. Hubs, Drive Axle - Iron preset plus drive axle hub with integrated spindle nut
- k. Rear Axle Lubricant - Chevron delco gear lubricant esi sae 80W-90 (approved for meritor extended component warranty only)
- l. Parking Brake Chamber Package - Four cam type haldex
- m. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- n. Chamber Stroke Length, Drive Axle - Basic length brake chamber stroke
- o. Front and Rear Slack Adjusters - Haldex brake adjuster front and rear
- p. Front Brake Chamber Size - Front brake chamber 24 square inches (service)

## 9. CHASSIS

- a. Driver Side Front Chassis Configuration - Left hand battery box - 3 capacity, def tank mounted behind battery box (VHDF)
- b. Passenger Side Front Chassis Configuration - Frame mounted SCR (VNM/VNL/VHD)
- c. Wheelbase - 208" wheelbase
- d. Overhang - 55" overhang
- e. Fuel Tank Shape-Diesel - 26" DIA cylindrical fuel tank
- f. Fuel Tank, Left Hand Side-Diesel - 75 gallon left hand fuel tank
- g. Fuel Tank, Right Hand Side-Diesel - No right hand diesel tank provided
- h. Fuel Tank Material-Diesel - Aluminum fuel tank material
- i. Fuel Tank Position - Fuel tank position 1
- j. DPF Cover - DPF cover, painted steel
- k. Diesel Exhaust Fluid Tank Cover - Painted diesel exhaust fluid tank cover
- l. Fuel Lines - Nylon fuel lines
- m. Fuel Tank Straps - Painted steel fuel tank straps
- n. Fuel Tank Cap/Def Tank Cap - Non-locking fuel tank cap
- o. Air Tank Arrangement - Air tank arrangement, basic
- p. Air Tanks - Steel air tanks
- q. Air Dryer - Meritor wabco air dryer, 1200UP without turbo cut off valve, with heater and coalescing oil filter
- r. Air Tank Drain Valve - Manual pull cord on brake system tanks
- s. Frame Rail Package - 11.81" x 3.54" x .31" Straight steel rails
- t. Front Frame Extension - No front frame extension provided
- u. Intermediate Crossmember Material - Steel crossmember material
- v. Intermediate Crossmember Configuration - Basic intermediate crossmember
- w. Forward Rear Susp Crossmember Material - Steel crossmember material
- x. Bogie Crossmember Material - Steel crossmember material
- y. Rear Frame Treatment - Straight cut-off rear crossmember
- a'. Front Bumper - Steel construction bumper-three piece
- aa. Bumper Position - Bumper mounted standard position
- ab. Front Fender Extension - No front fender extension provided
- ac. Main Chassis Wiring Harness Covering - Basic main chassis wiring harness covering
- ad. LH Fuel Tank Face Location - LH fuel tank front face @ XM=4525

## 10. TRANSPORT ADAPTATION

- a. Electrical Connections Back of Cab - Body builder connections back of cab
- b. Trailer Brake Hand Control - Delete trailer brake hand control
- c. Center Console For Body Controls - Mounting plate only for body controls
- d. Body Builder Electrical Prep - Electrical complete kit for body builder and/or I-Shift PTO's, ECU dash to chassis

## 11. CAB EXTERIOR

- a. Cab Suspension - Mechanical cab suspension with shocks
- b. Auxiliary Rear Window - Standard rear window
- c. Wiper Blade - Basic wiper blade
- d. Front Grille - Black molded front grille

- e. Bug Screen - Bug screen behind grille
- f. Air Intake Grille Finish - Air intake grille, black
- g. Air Horn - Dual trumpet mounted under cab
- h. Exterior Side View Mirrors - Black vocational mirrors with long arms
- i. Exterior Sunvisor - Exterior Sunvisor with clear lens LED marker lamps

## 12. CAB INTERIOR

- a. Interior Trim Package - Choice vinyl with espresso brown trim package
- b. Seat Manufacturer - National seat
- c. Driver Seat Type - Comfort air suspension high back
- d. Passenger Seat Type - Stationary tool box high back
- e. Driver Seat Upholstery - Driver seat espresso brown vinyl
- f. Safety Belt Length - Standard safety belt length
- g. Safety Belt Driver Seat - Safety belt driver seat, black
- h. Safety Belt Passenger Seat - Safety belt passenger seat, black
- i. Climate Unit - Integral air conditioner with heater-manual controls
- j. Parking Heater - Without parking heater
- k. Dog House - Dog house two piece
- l. Storage Overhead Driver - Netted overhead storage (Drive/passenger sides) with CB mounting and auxiliary switches
- m. Gauge Package - Eight gauge instrument cluster with base driver information display (DID)
- n. Diagnostics Display in Cluster - Basic diagnostics display in cluster
- o. Air Restriction Indicator - Graduated ARI on filter
- p. Speedometer Graduation - MPH Speedometer Graduation

## 13. LIGHTING

- a. Auxiliary Lamps - Snow plow lamp prep
- b. Headlamps - Halogen headlamps
- c. Daytime Running Lamps - Equipped with daytime running lights
- d. Stop and Tail Lights - Dual with integral backup lights
- e. Turn Signal Switch - Self cancelling turn signal switch

## 14. AUDIO SYSTEM

- a. Radio Package - AM/FM/CD/MP3/Bluetooth Radio
- b. Radio Antenna - Single RH 48 inch mirror MTD radio antenna
- c. Steering Wheel Controls - Marker interrupt, headlamp interrupt, radio, phone controls in steering wheel
- d. Radio Speakers - Speakers in dash only
- e. CB Radio Mounting - Overhead mounted CB hold down
- f. CB Antenna - Single left hand 48 inch mirror mounted CB antenna

## 15. MISC CAB EQUIPMENT

- a. Window Lift - Manual window lift
- b. Door Locks Cab - Manual cab door locks
- c. Key Type - Basic unique key
- d. Key Quantity Per Unit - 4 keys provided per unit
- e. Electrical Dash Outlet - One 12 volt dash outlet

## 16. TIRES AND WHEELS FRONT

- a. Tire Package Front - 315/80R22.5L Bridgestone M860A (20000 lbs. gawr) on/off road usage
- b. Tire Classification Front - GHG front tire classification, low rolling resistance
- c. Rim/Wheel Package Front - 22.5 x 9.00 maxion steel powder coat white 286BC 5 hand holes hub piloted
- d. Front Wheel and Tire Quantity - Two front wheels and tires

## 17. TIRES AND WHEELS REAR

- a. Tire Package Rear - 11R22.5G Bridgestone R268(23360 lbs. gawr) regional haul
- b. Rim/Wheel Package Front - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Drive Wheel and Tire Quantity - Eight drive wheels and tires

## 18. TIRES AND WHEELS AUXILIARY

- a. Tire Package Auxiliary Axle - 11R22.5G Bridgestone R268 (12350 lbs. gawr) regional haul

- b. Rim/Wheel Package Auxiliary Axle - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Wheel and Tire Mounting-Auxiliary Axle - Single wheel/tire mount-auxiliary axle
- d. Auxiliary axle wheel and tire quantity - Two auxiliary axle wheels and tires

19. MISC TIRE EQUIPMENT

- a. Tire Inflation Valve - Tire Inflation Valve, Standard

20. PAINT

- a. Cab Paint Scheme - Single Color Paint
- b. First Cab Color - Glacier White P3029
- c. Cab Paint Type - BC/CC-Solid
- d. Chassis Color - Black P3036
- e. Bumper Color - Same as first cab color
- f. Disc Wheel or Rim Color - Steel disc wheels-prepainted white, powder-coat, aluminum or stylized disc-unpainted
- g. Spoke Wheel/Hub Color - Spoke WHL?HUB same as chassis-al unptd

21. BUSINESS SERVICES

- a. Pre-Delivery Inspection - Pre-Delivery inspection, basic

22. BASE WARRANTY AND PURCHASED COVERAGES

- a. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- b. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- c. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- d. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- e. Vehicle Emissions Components Coverage - US & Canada Volvo engine equipped vehicle emissions components coverage, 60 months/100K miles
- f. Transmission Coverage - Standard I-Shift SD trans, heavy duty vehicle, 36 mths/250K miles
- g. Additional Extended Chassis Towing Coverage - Base chassis towing coverage, 90 day/5000 mile/8050 kilometer
- h. Additional Extended Engine Towing Coverage - Base Volvo engine coverage, 24mo/250K mile
- i. Remote Diagnostics Bundle - Remote diagnostics: includes assist and Volvo action service - 24 months
- j. Uptime Center Bundle - Assist and Volvo action service - 24 months

23. SUBTOTALS

- a. Base Weight - Front Weight - 9,580
- b. Base Weight - Rear Weight - 6,856

24. MODEL PACKAGE

- a. Manufacturing Location - Volvo Trucks - Assembled in the USA
- b. Safety Equipment Package - Basic safety package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD64B200 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #58**

#### **2017 Volvo VHD64B200**

The Volvo VHD64B200 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$91,355.00	\$91,355.00	\$91,355.00	\$91,355.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	VHD64B200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$91,355.00	\$91,355.00	\$91,355.00	\$91,355.00

Order Code	Add Options	All Zones
	Brake Lining Material, Pusher - Brake lining material pusher, bendix spicer EES-600 (Replaces Q2BE1X)	NA
	Tire Classification Auxiliary - GHG auxiliary tire classification, basic	Std
1017R2 <sup>1</sup>	D11 - 365HP	\$595.00 <sup>1</sup>
1017S6 <sup>1</sup>	D13 - 475HP	\$6,728.00 <sup>1</sup>
7RXD1X <sup>1</sup>	Transmission Lubricant - Synthetic 75W-90 trans lubricant <i>STANDARD WITH I-SHIFT TRANSMISSION<sup>1</sup></i>	Incl. <sup>1</sup>
270743 <sup>1</sup>	Eaton RTLO-16913A - 13 Speed <i>ADDITIONAL OPTIONS MAY BE REQUIRED<sup>1</sup></i>	\$1,284.00 <sup>1</sup>
	Allison 3000 5spd	NA
270768 <sup>1</sup>	Allison 4500 5spd <i>ADDITIONAL OPTIONS MAY BE REQUIRED<sup>1</sup></i>	\$18,948.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Electronics - Performance Volvo I-Shift transmission electronics (with premium shifter)	\$3,169.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Performance Mode - Volvo I-Shift Transmission performance mode, enabled with auto return to economy mode	\$3,169.00 <sup>1</sup>
6SAA1X <sup>1</sup>	Volvo Transmission Kick-Down Mode - Volvo I-Shift transmission kick-down mode, enable in economy and performance modes <i>ONLY AVAILABLE WITH I-SHIFT TRANSMISSION<sup>1</sup></i>	\$25.00 <sup>1</sup>
RVXH5X <sup>1</sup>	Gear Shift Lever - Gear shift lever, premium, I-Shift <i>ONLY AVAILABLE WITH I-SHIFT TRANSMISSION<sup>1</sup></i>	\$27.00 <sup>1</sup>
	Clutch - Eaton E2 Clutch 15"	NA
J8XG1X <sup>1</sup>	125 gallon single tank <i>MAY REQUIRE ADDITIONAL WHEELBASE<sup>1</sup></i>	\$178.00 <sup>1</sup>
J8XXXX <sup>1</sup>	Dual 50 gallon tanks <i>MAY REQUIRE ADDITIONAL WHEELBASE.<sup>1</sup></i>	\$616.00 <sup>1</sup>
370408 <sup>1</sup>	Volvo VF22 22,800 LB	\$1,214.00 <sup>1</sup>
371071 <sup>1</sup>	22,800 LB Leaf Spring <i>STANDARD WITH 22,800 FRONT AXLE<sup>1</sup></i>	Incl. <sup>1</sup>
330512 <sup>1</sup>	Meritor - 40,000 LB with Aluminum Carrier	\$721.00 <sup>1</sup>
350378 <sup>1</sup>	Volvo - 40,000 lb multileaf	\$146.00 <sup>1</sup>
400198 <sup>1</sup>	198" WB <i>NON STANDARD WHEELBASE MAY REQUIRE ADDITIONAL OPTIONS.<sup>1</sup></i>	NC <sup>1</sup>
400240 <sup>1</sup>	240" WB	NC <sup>1</sup>
U4XC1X <sup>1</sup>	Meritor Drum Outboard Mounted	\$431.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>VOLVO - VHD64F200 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #59)</u></a>			
Transource, Inc.	2017 Volvo VHD64F200	★Appalachia	\$91,397.00
Transource, Inc.	2017 Volvo VHD64F200	★Dogwood	\$91,397.00
Transource, Inc.	2017 Volvo VHD64F200	★Cardinal	\$91,397.00
Transource, Inc.	2017 Volvo VHD64F200	★Longleaf Pine	\$91,397.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD64F200 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #59**

2017 Volvo VHD64F200

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE ADAPTATION**

- a. Gross Combination Weight - No gross combination weight provided
- b. Vehicle GHG Certification - Green house gas vocational application
- c. Vehicle Warranty Qualification - Standard heavy duty warranty qualified
- d. Vehicle Width - 102" (2590 mm) vehicle width

#### **2. PASSIVE AND ACTIVE SAFETY**

- a. Cab Type - High-strength steel (HSS) day cab with B-Pillar mounted exhaust
- b. Steering Wheel - Volvo safety 18" sport steering wheel and adjustable steering column
- c. SRS Air Bag - Volvo SRS air bag-driver side only
- d. Safety Belt Reminder - Safety belt indicator and audible reminder
- e. Auxiliary Down View Mirror - Down view mirror over passenger door
- f. Antilock Brake System Manufacturer - Bendix ABS

#### **3. ENGINE**

- a. Engine Package - Volvo D11-355 HP 2100RPM 1250 LB-FT-EPA'14 emission level

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - Single stage air cleaner
- b. Air intake - Hood mounted air intake
- c. Radiator - 930 sq in. 2 row core radiator
- d. Coolant - Extended life antifreeze -34 F (-37 C)
- e. Coolant Manufacturer - Chevron Texaco
- f. Fan Clutch Package - Electronic viscous fan clutch
- g. Starter - Delco remy 12V 39MTHD starter
- h. Alternator - 135 AMP delco remy 35SI pad mount alternator (12V)
- i. Battery Package - 2 Volvo 1000 CCA maintenance free 12V batteries, 2000 CCA
- j. Battery Box Mounting - Battery box, left hand side, behind front fender
- k. Battery Box Configuration - Battery box - 3 capacity
  - l. Battery Box Cover - Basic battery box cover
- m. Battery Disconnect Switch - Manual battery disconnect main switch
- n. Diesel Exhaust Fluid Tank - 18.5 gallon LH 26", frame mounted (168 lbs of def when filled to maximum level) included in base model weight
- o. Exhaust System - Compact DPF mounted right hand side under cab, frame mounted SCR, with cab mounted vertical pipe
- p. Exhaust Outlet Package - 10' 0" aluminized stainless steel single stack
- q. Exhaust Features - Straight stack, side outlet diffuser box
- r. Lower Exhaust Piping - Aluminized stainless steel exhaust pipe

- s. Exhaust Piping Flex Section - Stainless steel exhaust flex section
- t. Exhaust shield - Aluminum exhaust shield
- u. Primary Fuel Filter - Volvo dual engine mounted fuel filters with water separator
- v. Primary Fuel Filter Location - Standard fuel filter location
- w. Compressor - WABCO 31.8 CFM compressor
- x. Clutchable Air Compressor - No clutchable air compressor provided
- y. Engine Brake - Volvo engine brake (I-VEB) for D11 engine
- a`. Engine Oil Pan - Stamped steel oil pan (Standard oil change intervals)

## 5. TRANSMISSION

- a. Transmission Package - Fuller 10 speed manual
- b. Transmission Cooler - Water to oil trans cooler mounted on transmission
- c. Driveline Manufacturer - Spicer life driveline with greaseable XLU-Joints
- d. Driveline - Calculated to torque requirements

## 6. PROGRAMMABLE FEATURES

- a. Idle Emission Certification - Idle emission certification, carb 08
- b. Idle Emission Label Location - Cab mounted card '08 decal location
- c. Emission on Board Diag Control - Emission on board diagnostic, display only, USA 2016
- d. Engine Idle Automatic Shutdown (AL) - Engine idle shutdown, enable
- e. Engine Idle Shutdown Time (AM) - Idle shutdown time 5 minutes
- f. Engine Idle Control (CMQ) - Basic engine idle control
- g. Ambient Temp Max Threshold (CMO) - Max ambient air temp over-ride, 80 deg F (27 deg C)
- h. Ambient Temp Min Threshold (CMO) - Min ambient air temp over-ride, 45 deg F (7 deg C)
- i. Cruise Control (AG) - with eco cruise control
- j. Cruise Control, Max Speed (AI) - Maximum cruise, 65 MPH (105 km/h)
- k. Pedal Road Speed Limit Setting (P1/16) - Pedal road speed limit, 65 mph (105km/h)
- l. Road Speed Limit Setting (P1AOC) - Road speed limit, 65 mph (105 km/h)
- m. Gear Down Vehicle Speed Limiter (P1AL0) - Gear down vehicle speed limiter enabled
- n. Gear Down Vehicle Speed Limiter (P1AOC) - Gear down vehicle speed, 58 mph (93km/h)
- o. Cruise Control Min Speed (BK) - Min cruise, 30 mph (48 km/h)
- p. Road Speed Limit Control Type (P1I01) - With eco RSL control
- q. Optimized Fuel Econ Indicator (P1LXM) - Optimized fuel economy indicator, sweet spot
- r. Engine Load in PTO (CMM) - 30% minimum engine load limit in PTO before allow idle shutdown
- s. Maximum Engine Speed at 0 MPH (P1ANA) - 1400 maximum engine RPM at 0 MPH
- t. Engine Protection System (P1FGT) - Engine protection (shutdown)
- u. Coolant Warm Hold Temp (KBS) - Coolant warm hold temp enabled
- v. Fault Code Display Filter - Fault code display filter
- w. DPF Regeneration Controls - DPF regen control, auto regen in motion, manual parked regen, manual inhibit
- x. PTO Max Engine Set Speed (AND) - PTO engine maximum 700 RPM
- y. PTO Resume Engine Set Speed (ANE) - PTO Engine resume 700 RPM

## 7. FRONT AXLE

- a. Front Axle Package - Volvo VF14 14,600 LB Front Springs
- b. Brake Regulation - Brake regulation, stopping distance 310 FT (94M)
- c. Front Brake Package - Front brake bendix spicer, cast S-Cam, standard lube
- d. Front Brake Dimension - 16.5 x 5 front brake size
- e. Brake Drum, Front Axle - Cast iron front brake drum outboard mounted
- f. Front Brake Lining Material - Brake lining material front, bendix spicer EES-600
- g. Front Axle Brake Dust Shield - Front brake dust shields
- h. Hubs, Front axle - Iron preset plus front axle hub with integrated spindle nut
- i. Front Oil Seal Cap - Stemco visible cap with drain
- j. Front Axle Lubricant - Synthetic front axle lubricant
- k. Power Steering Gear - TRW THP60 integral power steering gear
- l. Front Suspension Package - Parabolic leaf front suspension
- m. Spring Maintenance Type - Lubricated spring pins and bushings

## 8. REAR AXLE

- a. Rear Axle Package - Meritor MT-40-14x4D hypoid (heavy duty housing) 40,000 lb capacity
- b. Rear Axle Ratio - 2.64 rear axle ratio

- c. Differential Lock - Interaxle differential lock
- d. Rear Suspension Package - 40,000 lb Volvo T-Ride (2-leaf firm ride) 54" spacing
- e. Rear Brake Package - Rear brake bendix spicer, cast S-Cam, standard lube
- f. Drive Axle Brake Dimension - 16.5 x 7 rear brake size
- g. Brake Drum, Drive Axle - Cast iron drive axle brake drum outboard mounted
- h. Drive Axle Brake Dust Shield - Rear brake dust shields
- i. Drive Axle Brake Lining Material - Brake lining material drive, bendix spicer ES-600
- j. Hubs, Drive Axle - Iron preset plus drive axle hub with integrated spindle nut
- k. Rear Axle Lubricant - Chevron delco gear lubricant esi sae 80W-90 (approved for meritor extended component warranty only)
  - l. Parking Brake Chamber Package - Four cam type haldex
- m. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- n. Chamber Stroke Length, Drive Axle - Basic length brake chamber stroke
- o. Front and Rear Slack Adjusters - Haldex brake adjuster front and rear
- p. Front Brake Chamber Size - Front brake chamber 24 square inches (service)

## 9. CHASSIS

- a. Driver Side Front Chassis Configuration - Left hand battery box - 3 capacity, def tank mounted behind battery box (VHDF)
- b. Passenger Side Front Chassis Configuration - Frame mounted SCR (VNM/VNL/VHD)
- c. Wheelbase - 232" wheelbase
- d. Overhang - 55" overhang
- e. Fuel Tank Shape-Diesel - 26" DIA cylindrical fuel tank
- f. Fuel Tank, Left Hand Side-Diesel - 75 gallon left hand fuel tank
- g. Fuel Tank, Right Hand Side-Diesel - No right hand diesel tank provided
- h. Fuel Tank Material-Diesel - Aluminum fuel tank material
  - i. Fuel Tank Position - Fuel tank position 1
  - j. DPF Cover - DPF cover, painted steel
- k. Diesel Exhaust Fluid Tank Cover - Painted diesel exhaust fluid tank cover
  - l. Fuel Lines - Nylon fuel lines
- m. Fuel Tank Straps - Painted steel fuel tank straps
- n. Fuel Tank Cap/Def Tank Cap - Non-locking fuel tank cap
- o. Air Tank Arrangement - Air tank arrangement, basic
- p. Air Tanks - Steel air tanks
- q. Air Dryer - Meritor wabco air dryer, 1200UP without turbo cut off valve, with heater and coalescing oil filter
- r. Air Tank Drain Valve - Manual pull cord on brake system tanks
- s. Front Frame Extension - No front frame extension provided
- t. Intermediate Crossmember Material - Steel crossmember material
- u. Intermediate Crossmember Configuration - Basic intermediate crossmember
- v. Forward Rear Susp Crossmember Material - Steel crossmember material
- w. Bogie Crossmember Material - Steel crossmember material
- x. Rear Frame Treatment - Straight cut-off rear crossmember
- y. Front Bumper - Steel construction bumper-three piece
- a'. Bumper Position - Bumper mounted standard position
- aa. Front Fender Extension - No front fender extension provided
- ab. Main Chassis Wiring Harness Covering - Basic main chassis wiring harness covering
- ac. LH Fuel Tank Face Location - LH fuel tank front face @ XM=4325

## 10. TRANSPORT ADAPTATION

- a. Electrical Connections Back of Cab - Body builder connections back of cab
- b. Trailer Brake Hand Control - Delete trailer brake hand control
- c. Center Console For Body Controls - Mounting plate only for body controls
- d. Body Builder Electrical Prep - Electrical complete kit for body builder and/or I-Shift PTO's, ECU dash to chassis

## 11. CAB EXTERIOR

- a. Cab Suspension - Mechanical cab suspension with shocks
- b. Auxiliary Rear Window - Standard rear window
- c. Wiper Blade - Basic wiper blade
- d. Front Grille - Black molded front grille
- e. Bug Screen - Bug screen behind grille

- f. Air Intake Grille Finish - Air intake grille, black
- g. Air Horn - Dual trumpet mounted under cab
- h. Exterior Side View Mirrors - Black vocational mirrors with long arms
- i. Exterior Sunvisor - Exterior Sunvisor with clear lens LED marker lamps

## 12. CAB INTERIOR

- a. Interior Trim Package - Choice vinyl with espresso brown trim package
- b. Seat Manufacturer - National seat
- c. Driver Seat Type - Comfort air suspension high back
- d. Passenger Seat Type - Stationary tool box high back
- e. Driver Seat Upholstery - Driver seat espresso brown vinyl
- f. Safety Belt Length - Standard safety belt length
- g. Safety Belt Driver Seat - Safety belt driver seat, black
- h. Safety Belt Passenger Seat - Safety belt passenger seat, black
- i. Climate Unit - Integral air conditioner with heater-manual controls
- j. Parking Heater - Without parking heater
- k. Dog House - Dog house two piece
- l. Storage Overhead Driver - Netted overhead storage (Drive/passenger sides) with CB mounting and auxiliary switches
- m. Gauge Package - Eight gauge instrument cluster with base driver information display (DID)
- n. Diagnostics Display in Cluster - Basic diagnostics display in cluster
- o. Air Restriction Indicator - Graduated ARI on filter
- p. Speedometer Graduation - MPH Speedometer Graduation

## 13. LIGHTING

- a. Auxiliary Lamps - Snow plow lamp prep
- b. Headlamps - Halogen headlamps
- c. Daytime Running Lamps - Equipped with daytime running lights
- d. Stop and Tail Lights - Dual with integral backup lights
- e. Turn Signal Switch - Self cancelling turn signal switch

## 14. AUDIO SYSTEM

- a. Radio Package - AM/FM/CD/MP3/Bluetooth Radio
- b. Radio Antenna - Single RH 48 inch mirror MTD radio antenna
- c. Steering Wheel Controls - Marker interrupt, headlamp interrupt, radio, phone controls in steering wheel
- d. Radio Speakers - Speakers in dash only
- e. CB Radio Mounting - Overhead mounted CB hold down
- f. CB Antenna - Single left hand 48 inch mirror mounted CB antenna

## 15. MISC CAB EQUIPMENT

- a. Window Lift - Manual window lift
- b. Door Locks Cab - Manual cab door locks
- c. Key Type - Basic unique key
- d. Key Quantity Per Unit - 4 keys provided per unit
- e. Electrical Dash Outlet - One 12 volt dash outlet

## 16. TIRES AND WHEELS FRONT

- a. Tire Package Front - 315/80R22.5L Bridgestone M860A (20000 lbs. gawr) on/off road usage
- b. Tire Classification Front - GHG front tire classification, low rolling resistance
- c. Rim/Wheel Package Front - 22.5 x 9.00 maxion steel powder coat white 286BC 5 hand holes hub piloted
- d. Front Wheel and Tire Quantity - Two front wheels and tires

## 17. TIRES AND WHEELS REAR

- a. Tire Package Rear - 11R22.5G Bridgestone R268(23360 lbs. gawr) regional haul
- b. Rim/Wheel Package Front - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Drive Wheel and Tire Quantity - Eight drive wheels and tires

## 18. TIRES AND WHEELS AUXILIARY

- a. Tire Package Auxiliary Axle - 11R22.5G Bridgestone R268 (12350 lbs. gawr) regional haul
- b. Rim/Wheel Package Auxiliary Axle - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted

- c. Wheel and Tire Mounting-Auxiliary Axle - Single wheel/tire mount-auxiliary axle
- d. Auxiliary axle wheel and tire quantity - Two auxiliary axle wheels and tires

19. MISC TIRE EQUIPMENT

- a. Tire Inflation Valve - Tire Inflation Valve, Standard

20. PAINT

- a. Cab Paint Scheme - Single Color Paint
- b. First Cab Color - Glacier White P3029
- c. Cab Paint Type - BC/CC-Solid
- d. Chassis Color - Black P3036
- e. Bumper Color - Same as first cab color
- f. Disc Wheel or Rim Color - Steel disc wheels-prepainted white, powder-coat, aluminum or stylized disc-unpainted
- g. Spoke Wheel/Hub Color - Spoke WHL/HUB same as chassis-al unptd

21. BUSINESS SERVICES

- a. Pre-Delivery Inspection - Pre-Delivery inspection, basic

22. BASE WARRANTY AND PURCHASED COVERAGES

- a. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- b. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- c. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- d. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- e. Vehicle Emissions Components Coverage - US & Canada Volvo engine equipped vehicle emissions components coverage, 60 months/100K miles
- f. Transmission Coverage - Standard I-Shift SD trans, heavy duty vehicle, 36 mths/250K miles
- g. Additional Extended Chassis Towing Coverage - Base chassis towing coverage, 90 day/5000 mile/8050 kilometer
- h. Additional Extended Engine Towing Coverage - Base Volvo engine coverage, 24mo/250K mile
- i. Remote Diagnostics Bundle - Remote diagnostics: includes assist and Volvo action service - 24 months
- j. Uptime Center Bundle - Assist and Volvo action service - 24 months

23. SUBTOTALS

- a. Base Weight - Front Weight - 8,865
- b. Base Weight - Rear Weight - 7,586

24. MODEL PACKAGE

- a. Manufacturing Location - Volvo Trucks - Assembled in the USA
- b. Safety Equipment Package - Basic safety package



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD64F200 – (6X4 – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #59**

#### **2017 Volvo VHD64F200**

The Volvo VHD64F200 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$91,397.00	\$91,397.00	\$91,397.00	\$91,397.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	VHD64F200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$91,397.00	\$91,397.00	\$91,397.00	\$91,397.00

Order Code	Add Options	All Zones
	Brake Lining Material, Pusher - Brake lining material pusher, bendix spicer EES-600 (Replaces Q2BE1X)	NA
403006 <sup>1</sup>	Frame Rail Package - 11.81" x 3.54" x .38" straight steel rails <i>ILO FRAME LINER</i> <sup>1</sup>	Incl. <sup>1</sup>
	Tire Classification Auxiliary - GHG auxiliary tire classification, basic	NA
1017R2 <sup>1</sup>	D11 - 365HP	\$595.00 <sup>1</sup>
1017S6 <sup>1</sup>	D13 - 475HP	\$6,728.00 <sup>1</sup>
7RXD1X <sup>1</sup>	Transmission Lubricant - Synthetic 75W-90 trans lubricant <i>STANDARD WITH I-SHIFT TRANSMISSION</i> <sup>1</sup>	Incl. <sup>1</sup>
270743 <sup>1</sup>	Eaton RTLO-16913A - 13 Speed	\$1,284.00 <sup>1</sup>
	Allison 3000 5spd	NA
270768 <sup>1</sup>	Allison 4500 5spd <i>MAY REQUIRE ADDITIONAL OPTIONS</i> <sup>1</sup>	\$18,948.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Electronics - Performance Volvo I-Shift transmission electronics (with premium shifter)	\$3,159.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Performance Mode - Volvo I-Shift Transmission performance mode, enabled with auto return to economy mode	\$3,159.00 <sup>1</sup>
6SAA1X <sup>1</sup>	Volvo Transmission Kick-Down Mode - Volvo I-Shift transmission kick-down mode, enable in economy and performance modes <i>REQUIRES I-SHIFT TRANSMISSION</i> <sup>1</sup>	\$25.00 <sup>1</sup>
D4AB1X <sup>1</sup>	Automated Manual Transmission PTO Functions - AMT PTO functions enhanced <i>REQUIRES I-SHIFT TRANSMISSION</i> <sup>1</sup>	\$70.00 <sup>1</sup>
	Clutch - Eaton E2 Clutch 15"	NA
J8XG1X <sup>1</sup>	125 gallon single tank <i>MAY REQUIRE ADDITIONAL WHEELBASE</i> <sup>1</sup>	\$178.00 <sup>1</sup>
j8XXXX <sup>1</sup>	Dual 50 gallon tanks <i>MAY REQUIRE ADDITIONAL WHEELBASE</i> <sup>1</sup>	\$616.00 <sup>1</sup>
370408 <sup>1</sup>	Volvo VF22 22,800 LB	\$1,234.00 <sup>1</sup>
371071 <sup>1</sup>	22,800 LB Leaf Spring <i>STANDARD WITH 22,800 FRONT AXLE</i> <sup>1</sup>	Incl. <sup>1</sup>
335512 <sup>1</sup>	Meritor - 40,000 LB with Aluminum Carrier	\$721.00 <sup>1</sup>
350378 <sup>1</sup>	Volvo - 40,000 lb multileaf	\$146.00 <sup>1</sup>
400198 <sup>1</sup>	198" WB <i>NON STANDARD WHEELBASE MAY REQUIRE ADDITIONAL OPTIONS</i> <sup>1</sup>	NC <sup>1</sup>
400240 <sup>1</sup>	240" WB	NC <sup>1</sup>
U4XC1X <sup>1</sup>	Meritor Drum Outboard Mounted	\$431.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

Name of Dealership	Type of Vehicle	Zone	Base Unit Price
<u><a href="#">VOLVO - VHD84B200 – (6X4 W/ PUSHER – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #60)</a></u>			
Transource, Inc.	2017 Volvo VHD84B200	★Appalachia	\$95,672.00
Transource, Inc.	2017 Volvo VHD84B200	★Dogwood	\$95,672.00
Transource, Inc.	2017 Volvo VHD84B200	★Cardinal	\$95,672.00
Transource, Inc.	2017 Volvo VHD84B200	★Longleaf Pine	\$95,672.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD84B200 – (6X4 W/ PUSHER – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT)** **SPECIFICATION #60**

2017 Volvo VHD84B200

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. PASSIVE AND ACTIVE SAFETY**

- a. Cab Type - High-strength steel (HSS) day cab with B-Pillar mounted exhaust
- b. Steering Wheel - Volvo safety 18" sport steering wheel and adjustable steering column
- c. SRS Air Bag - Volvo SRS air bag-driver side only
- d. Safety Belt Reminder - Safety belt indicator and audible reminder
- e. Auxiliary Down View Mirror - Down view mirror over passenger door
- f. Antilock Brake System Manufacturer - Bendix ABS

#### **2. ENGINE**

- a. Engine Package - Volvo D11-355 HP 2100RPM 1250 LB-FT-EPA'14 emission level

#### **3. ENGINE EQUIPMENT**

- a. Air Cleaner - Single stage air cleaner
- b. Air intake - Hood mounted air intake
- c. Radiator - 930 sq in. 2 row core radiator
- d. Coolant - Extended life antifreeze -34 F (-37 C)
- e. Coolant Manufacturer - Chevron Texaco
- f. Fan Clutch Package - Electronic viscous fan clutch
- g. Starter - Delco remy 12V 39MTHD starter
- h. Alternator - 135 AMP delco remy 35SI pad mount alternator (12V)
- i. Battery Package - 2 Volvo 1000 CCA maintenance free 12V batteries, 2000 CCA
- j. Battery Box Mounting - Battery box, left hand side, behind front fender
- k. Battery Box Configuration - Battery box - 3 capacity
  - l. Battery Box Cover - Basic battery box cover
- m. Battery Disconnect Switch - Manual battery disconnect main switch
- n. Diesel Exhaust Fluid Tank - 18.5 gallon LH 26", frame mounted (168 lbs of def when filled to maximum level) included in base model weight
- o. Exhaust System - Compact DPF mounted right hand side under cab, frame mounted SCR, with cab mounted vertical pipe
- p. Exhaust Outlet Package - 10' 0" aluminized stainless steel single stack
- q. Exhaust Features - Straight stack, side outlet diffuser box
- r. Lower Exhaust Piping - Aluminized stainless steel exhaust pipe
- s. Exhaust Piping Flex Section - Stainless steel exhaust flex section
- t. Exhaust shield - Aluminum exhaust shield
- u. Primary Fuel Filter - Volvo dual engine mounted fuel filters with water separator
- v. Primary Fuel Filter Location - Standard fuel filter location
- w. Compressor - WABCO 31.8 CFM compressor
- x. Clutchable Air Compressor - No clutchable air compressor provided
- y. Engine Brake - Volvo engine brake (I-VEB) for D11 engine

a`. Engine Oil Pan - Stamped steel oil pan (Standard oil change intervals)

#### 4. TRANSMISSION

- a. Transmission Package - Fuller 10 speed manual
- b. Transmission Cooler - Water to oil trans cooler mounted on transmission
- c. Driveline Manufacturer - Spicer life driveline with greaseable XLU-Joints
- d. Driveline - Calculated to torque requirements

#### 5. PROGRAMMABLE FEATURES

- a. Idle Emission Certification - Idle emission certification, carb 08
- b. Idle Emission Label Location - Cab mounted card '08 decal location
- c. Emission on Board Diag Control - Emission on board diagnostic, display only, USA 2016
- d. Engine Idle Automatic Shutdown (AL) - Engine idle shutdown, enable
- e. Engine Idle Shutdown Time (AM) - Idle shutdown time 5 minutes
- f. Engine Idle Control (CMQ) - Basic engine idle control
- g. Ambient Temp Max Threshold (CMO) - Max ambient air temp over-ride, 80 deg F (27 deg C)
- h. Ambient Temp Min Threshold (CMO) - Min ambient air temp over-ride, 45 deg F (7 deg C)
- i. Cruise Control (AG) - with eco cruise control
- j. Cruise Control, Max Speed (AI) - Maximum cruise, 65 MPH (105 km/h)
- k. Pedal Road Speed Limit Setting (P1/16) - Pedal road speed limit, 65 mph (105km/h)
- l. Road Speed Limit Setting (P1AOC) - Road speed limit, 65 mph (105 km/h)
- m. Gear Down Vehicle Speed Limiter (P1AL0) - Gear down vehicle speed limiter enabled
- n. Gear Down Vehicle Speed Limiter (P1AOC) - Gear down vehicle speed, 58 mph (93km/h)
- o. Cruise Control Min Speed (BK) - Min cruise, 30 mph (48 km/h)
- p. Road Speed Limit Control Type (P1I01) - With eco RSL control
- q. Optimized Fuel Econ Indicator (P1LXM) - Optimized fuel economy indicator, sweet spot
- r. Engine Load in PTO (CMM) - 30% minimum engine load limit in PTO before allow idle shutdown
- s. Maximum Engine Speed at 0 MPH (P1ANA) - 1400 maximum engine RPM at 0 MPH
- t. Engine Protection System (P1FGT) - Engine protection (shutdown)
- u. Coolant Warm Hold Temp (KBS) - Coolant warm hold temp enabled
- v. Fault Code Display Filter - Fault code display filter
- w. DPF Regeneration Controls - DPF regen control, auto regen in motion, manual parked regen, manual inhibit
- x. PTO Max Engine Set Speed (AND) - PTO engine maximum 700 RPM
- y. PTO Resume Engine Set Speed (ANE) - PTO Engine resume 700 RPM

#### 6. FRONT AXLE

- a. Front Axle Package - Volvo VF14 14,600 LB Front Springs
- b. Brake Regulation - Brake regulation, stopping distance 310 FT (94M)
- c. Front Brake Package - Front brake bendix spicer, cast S-Cam, standard lube
- d. Front Brake Dimension - 16.5 x 5 front brake size
- e. Brake Drum, Front Axle - Cast iron front brake drum outboard mounted
- f. Front Brake Lining Material - Brake lining material front, bendix spicer EES-600
- g. Front Axle Brake Dust Shield - Front brake dust shields
- h. Hubs, Front axle - Iron preset plus front axle hub with integrated spindle nut
- i. Front Oil Seal Cap - Stemco visible cap with drain
- j. Front Axle Lubricant - Synthetic front axle lubricant
- k. Power Steering Gear - TRW THP60 integral power steering gear
- l. Front Suspension Package - Parabolic leaf front suspension
- m. Spring Maintenance Type - Lubricated spring pins and bushings

#### 7. REAR AXLE

- a. Rear Axle Package - Meritor MT-40-14x4D hypoid (heavy duty housing) 40,000 lb capacity
- b. Rear Axle Ratio - 2.64 rear axle ratio
- c. Differential Lock - Interaxle differential lock
- d. Rear Suspension Package - 40,000 lb Volvo T-Ride (2-leaf firm ride) 54" spacing
- e. Rear Shock Absorber - Rear shock absorbers
- f. Rear Brake Package - Rear brake bendix spicer, cast S-Cam, standard lube
- g. Drive Axle Brake Dimension - 16.5 x 7 rear brake size
- h. Brake Drum, Drive Axle - Cast iron drive axle brake drum outboard mounted
- i. Drive Axle Brake Dust Shield - Rear brake dust shields

- j. Drive Axle Brake Lining Material - Brake lining material drive, bendix spicer ES-600
- k. Hubs, Drive Axle - Iron preset plus drive axle hub with integrated spindle nut
- l. Rear Axle Lubricant - Chevron delco gear lubricant esi sae 80W-90 (approved for meritor extended component warranty only)
- m. Parking Brake Chamber Package - Four cam type haldex
- n. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- o. Chamber Stroke Length, Drive Axle - Basic length brake chamber stroke
- p. Front and Rear Slack Adjusters - Haldex brake adjuster front and rear
- q. Front Brake Chamber Size - Front brake chamber 24 square inches (service)

## 8. AUXILIARY AXLE

- a. Auxiliary Axle Package - 1 Hendrickson composilite SC 13K steerable pusher axle - auxiliary wheel and tire selection subject to hendrickson guidelines for tire to ground clearance
- b. First Pusher Axle Spacing - 48" (1220mm) ahead of FWD drive axle
- c. Auxiliary Axle Brake Dimension - 15 x 4 auxiliary axle brake size
- d. Auxiliary Axle Brake Drum - Cast iron auxiliary axle brake drum outboard mounted
- e. Pusher and Tag Axle Brake Package - Pusher brake bendix spicer, cast s-cam, standard lube
- f. Pusher and Tag Axle Brake Chamber Package - Pusher with haldex chambers
- g. Pusher Brake Chamber Size - Pusher brake chamber 20SQ inches
- h. Auxiliary Axle Control Location - Inside cab auxiliary axle control location. Up/down switch only inside, air regulator and gauge outside of cab
- i. Hubs, Auxiliary Axle - Iron preset plus auxiliary axle hub with integrated spindle nut

## 9. CHASSIS

- a. Driver Side Front Chassis Configuration - Left hand battery box - 3 capacity, def tank mounted behind battery box (VHDF)
- b. Passenger Side Front Chassis Configuration - Frame mounted SCR (VNM/VNL/VHD)
- c. Wheelbase - 208" wheelbase
- d. Overhang - 55" overhang
- e. Fuel Tank Shape-Diesel - 26" DIA cylindrical fuel tank
- f. Fuel Tank, Left Hand Side-Diesel - 75 gallon left hand fuel tank
- g. Fuel Tank, Right Hand Side-Diesel - No right hand diesel tank provided
- h. Fuel Tank Material-Diesel - Aluminum fuel tank material
- i. Fuel Tank Position - Fuel tank position 1
- j. DPF Cover - DPF cover, painted steel
- k. Diesel Exhaust Fluid Tank Cover - Painted diesel exhaust fluid tank cover
- l. Fuel Lines - Nylon fuel lines
- m. Fuel Tank Straps - Painted steel fuel tank straps
- n. Fuel Tank Cap/Def Tank Cap - Non-locking fuel tank cap
- o. Air Tank Arrangement - Air tank arrangement, basic
- p. Air Tanks - Steel air tanks
- q. Air Dryer - Meritor wabco air dryer, 1200UP without turbo cut off valve, with heater and coalescing oil filter
- r. Air Tank Drain Valve - Manual pull cord on brake system tanks
- s. Frame Rail Package - 11.81" x 3.54" x .31" straight steel rails
- t. Front Frame Extension - No front frame extension provided
- u. Intermediate Crossmember Material - Steel crossmember material
- v. Intermediate Crossmember Configuration - Basic intermediate crossmember
- w. Forward Rear Susp Crossmember Material - Steel crossmember material
- x. Bogie Crossmember Material - Steel crossmember material
- y. Rear Frame Treatment - Straight cut-off rear crossmember
- a`. Front Bumper - Steel construction bumper-three piece
- aa. Bumper Position - Bumper mounted standard position
- ab. Front Fender Extension - No front fender extension provided
- ac. Main Chassis Wiring Harness Covering - Basic main chassis wiring harness covering
- ad. LH Fuel Tank Face Location - LH fuel tank front face @ XM=4525

## 10. TRANSPORT ADAPTATION

- a. Electrical Connections Back of Cab - Body builder connections back of cab
- b. Trailer Brake Hand Control - Delete trailer brake hand control
- c. Center Console For Body Controls - Mounting plate only for body controls

d. Body Builder Electrical Prep - Electrical complete kit for body builder and/or I-Shift PTO's, ECU dash to chassis

#### 11. CAB EXTERIOR

- a. Cab Suspension - Mechanical cab suspension with shocks
- b. Auxiliary Rear Window - Standard rear window
- c. Wiper Blade - Basic wiper blade
- d. Front Grille - Black molded front grille
- e. Bug Screen - Bug screen behind grille
- f. Air Intake Grille Finish - Air intake grille, black
- g. Air Horn - Dual trumpet mounted under cab
- h. Exterior Side View Mirrors - Black vocational mirrors with long arms
- i. Exterior Sunvisor - Exterior Sunvisor with clear lens LED marker lamps

#### 12. CAB INTERIOR

- a. Interior Trim Package - Choice vinyl with espresso brown trim package
- b. Seat Manufacturer - National seat
- c. Driver Seat Type - Comfort air suspension high back
- d. Passenger Seat Type - Stationary tool box high back
- e. Driver Seat Upholstery - Driver seat espresso brown vinyl
- f. Safety Belt Length - Standard safety belt length
- g. Safety Belt Driver Seat - Safety belt driver seat, black
- h. Safety Belt Passenger Seat - Safety belt passenger seat, black
- i. Climate Unit - Integral air conditioner with heater-manual controls
- j. Parking Heater - Without parking heater
- k. Dog House - Dog house two piece
- l. Storage Overhead Driver - Netted overhead storage (Drive/passenger sides) with CB mounting and auxiliary switches
- m. Gauge Package - Eight gauge instrument cluster with base driver information display (DID)
- n. Diagnostics Display in Cluster - Basic diagnostics display in cluster
- o. Air Restriction Indicator - Graduated ARI on filter
- p. Speedometer Graduation - MPH Speedometer Graduation

#### 13. LIGHTING

- a. Auxiliary Lamps - Snow plow lamp prep
- b. Headlamps - Halogen headlamps
- c. Daytime Running Lamps - Equipped with daytime running lights
- d. Stop and Tail Lights - Dual with integral backup lights
- e. Turn Signal Switch - Self cancelling turn signal switch

#### 14. AUDIO SYSTEM

- a. Radio Package - AM/FM/CD/MP3/Bluetooth Radio
- b. Radio Antenna - Single RH 48 inch mirror MTD radio antenna
- c. Steering Wheel Controls - Marker interrupt, headlamp interrupt, radio, phone controls in steering wheel
- d. Radio Speakers - Speakers in dash only
- e. CB Radio Mounting - Overhead mounted CB hold down
- f. CB Antenna - Single left hand 48 inch mirror mounted CB antenna

#### 15. MISC CAB EQUIPMENT

- a. Window Lift - Manual window lift
- b. Door Locks Cab - Manual cab door locks
- c. Key Type - Basic unique key
- d. Key Quantity Per Unit - 4 keys provided per unit
- e. Electrical Dash Outlet - One 12 volt dash outlet

#### 16. TIRES AND WHEELS FRONT

- a. Tire Package Front - 315/80R22.5L Bridgestone M860A (20000 lbs. gawr) on/off road usage
- b. Tire Classification Front - GHG front tire classification, low rolling resistance
- c. Rim/Wheel Package Front - 22.5 x 9.00 maxion steel powder coat white 286BC 5 hand holes hub piloted
- d. Front Wheel and Tire Quantity - Two front wheels and tires

17. TIRES AND WHEELS AUXILIARY

- a. Tire Package Auxiliary Axle - 11R22.5G Bridgestone R268 (12350 lbs. gawr) regional haul
- b. Rim/Wheel Package Auxiliary Axle - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Wheel and Tire Mounting-Auxiliary Axle - Single wheel/tire mount-auxiliary axle
- d. Auxiliary axle wheel and tire quantity - Two auxiliary axle wheels and tires

18. MISC TIRE EQUIPMENT

- a. Tire Inflation Valve - Tire Inflation Valve, Standard

19. PAINT

- a. Cab Paint Scheme - Single Color Paint
- b. First Cab Color - Glacier White P3029
- c. Cab Paint Type - BC/CC-Solid
- d. Chassis Color - Black P3036
- e. Bumper Color - Same as first cab color
- f. Disc Wheel or Rim Color - Steel disc wheels-prepainted white, powder-coat, aluminum or stylized disc-unpainted
- g. Spoke Wheel/Hub Color - Spoke WHL?HUB same as chassis-al unptd

20. BUSINESS SERVICES

- a. Pre-Delivery Inspection - Pre-Delivery inspection, basic

21. MODEL PACKAGE

- a. Manufacturing Location - Volvo Trucks - Assembled in the USA



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD84B200 – (6X4 W/ PUSHER – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #60**

#### **2017 Volvo VHD84B200**

The Volvo VHD84B200 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$95,672.00	\$95,672.00	\$95,672.00	\$95,672.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.



<b>VEHICLE:</b>	VHD84B200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$95,672.00	\$95,672.00	\$95,672.00	\$95,672.00

Order Code	Add Options	All Zones
	Customer Fleet Size - Regional fleet 25 or more vehicles in own fleet of any vehicle brand	Incl.
QB2E0X <sup>1</sup>	Brake Lining Material, Pusher - Brake lining material pusher, bendix spicer EES-600 (Replaces Q2BE1X)	NC <sup>1</sup>
	Tire Classification Rear - GHG front tire classification, low rolling resistance	Std
	Tire Classification Auxiliary - GHG auxiliary tire classification, basic	Std
	Front Tire Surcharge - Front tire surcharge	Incl.
	Drive Tire Surcharge - Drive tire surcharge	Incl.
	Auxiliary Tire Surcharge - Auxiliary tire surcharge	Incl.
	Factory Option Weight (Front Weight) - -3	NA
	Factory Option Weight (Rear Weight) - 33	NA
	Dealer Option Weight (Front Weight)- 0	NA
	Dealer Option Weight (Rear Weight)- 0	NA
1017R2 <sup>1</sup>	D11 - 365HP	\$695.00 <sup>1</sup>
1017S6 <sup>1</sup>	D13 - 475HP	\$6,728.00 <sup>1</sup>
7RXD1X <sup>1</sup>	Transmission Lubricant - Synthetic 75W-90 trans lubricant <i>STANDARD WITH I-SHIFT TRANSMISSION<sup>1</sup></i>	Incl. <sup>1</sup>
270743 <sup>1</sup>	Eaton RTLO-16913A - 13 Speed	\$1,284.00 <sup>1</sup>
	Allison 3000 5spd	NA
270768 <sup>1</sup>	Allison 4500 5spd	\$18,948.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Electronics - Performance Volvo I-Shift transmission electronics (with premium shifter)	\$3,159.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Performance Mode - Volvo I-Shift Transmission performance mode, enabled with auto return to economy mode	\$3,169.00 <sup>1</sup>
6SAA1X <sup>1</sup>	Volvo Transmission Kick-Down Mode - Volvo I-Shift transmission kick-down mode, enable in economy and performance modes	\$25.00 <sup>1</sup>
RVXH5X <sup>1</sup>	Gear Shift Lever - Gear shift lever, premium, I-Shift	\$27.00 <sup>1</sup>
	Clutch - Eaton E2 Clutch 15"	NA
J8XG1X <sup>1</sup>	125 gallon single tank <i>MAY REQUIRE ADDITIONAL WHEELBASE<sup>1</sup></i>	\$412.00 <sup>1</sup>
J8XXXX <sup>1</sup>	Dual 50 gallon tanks <i>MAY REQUIRE ADDITIONAL WHEELBASE<sup>1</sup></i>	\$785.00 <sup>1</sup>
370408 <sup>1</sup>	Volvo VF22 22,800 LB	\$1,214.00 <sup>1</sup>
371071 <sup>1</sup>	22,800 LB Leaf Spring <i>STANDARD WITH 22,800 FRONT AXLE<sup>1</sup></i>	Incl. <sup>1</sup>
330512 <sup>1</sup>	Meritor - 40,000 LB with Aluminum Carrier	\$721.00 <sup>1</sup>
350378 <sup>1</sup>	Volvo - 40,000 lb multileaf	\$146.00 <sup>1</sup>

<b>VEHICLE:</b>	VHD84B200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$95,672.00	\$95,672.00	\$95,672.00	\$95,672.00

400198 <sup>1</sup>	198" WB <i>NON STANDARD WHEELBASE MAY REQUIRE ADDITIONAL OPTIONS.</i> <sup>1</sup>	NC <sup>1</sup>
400240 <sup>1</sup>	240" WB	\$67.00 <sup>1</sup>
U4XC1X <sup>1</sup>	Meritor Drum Outboard Mounted	\$431.00 <sup>1</sup>



## NORTH CAROLINA SHERIFFS' ASSOCIATION

<b>Name of Dealership</b>	<b>Type of Vehicle</b>	<b>Zone</b>	<b>Base Unit Price</b>
<a href="#"><u>VOLVO - VHD84F200 – (6X4 W/ PUSHER – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) (Specification #61)</u></a>			
Transource, Inc.	2017 Volvo VHD84F200	★Appalachia	\$95,743.00
Transource, Inc.	2017 Volvo VHD84F200	★Dogwood	\$95,743.00
Transource, Inc.	2017 Volvo VHD84F200	★Cardinal	\$95,743.00
Transource, Inc.	2017 Volvo VHD84F200	★Longleaf Pine	\$95,743.00



## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD84F200 – (6X4 W/ PUSHER – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #61**

2017 Volvo VHD84F200

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED**

**INSTRUCTIONS:** Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

#### **1. VEHICLE ADAPTATION**

- a. Gross Combination Weight - No gross combination weight provided
- b. Vehicle GHG Certification - Green house gas vocational application
- c. Vehicle Warranty Qualification - Standard heavy duty warranty qualified
- d. Vehicle Width - 102" (2590 mm) vehicle width

#### **2. PASSIVE AND ACTIVE SAFETY**

- a. Cab Type - High-strength steel (HSS) day cab with B-Pillar mounted exhaust
- b. Steering Wheel - Volvo safety 18" sport steering wheel and adjustable steering column
- c. SRS Air Bag - Volvo SRS air bag-driver side only
- d. Safety Belt Reminder - Safety belt indicator and audible reminder
- e. Auxiliary Down View Mirror - Down view mirror over passenger door
- f. Antilock Brake System Manufacturer - Bendix ABS

#### **3. ENGINE**

- a. Engine Package - Volvo D11-355 HP 2100RPM 1250 LB-FT-EPA'14 emission level

#### **4. ENGINE EQUIPMENT**

- a. Air Cleaner - Single stage air cleaner
- b. Air intake - Hood mounted air intake
- c. Radiator - 930 sq in. 2 row core radiator
- d. Coolant - Extended life antifreeze -34 F (-37 C)
- e. Coolant Manufacturer - Chevron Texaco
- f. Fan Clutch Package - Electronic viscous fan clutch
- g. Starter - Delco remy 12V 39MTHD starter
- h. Alternator - 135 AMP delco remy 35SI pad mount alternator (12V)
- i. Battery Package - 2 Volvo 1000 CCA maintenance free 12V batteries, 2000 CCA
- j. Battery Box Mounting - Battery box, left hand side, behind front fender
- k. Battery Box Configuration - Battery box - 3 capacity
  - l. Battery Box Cover - Basic battery box cover
- m. Battery Disconnect Switch - Manual battery disconnect main switch
- n. Diesel Exhaust Fluid Tank - 18.5 gallon LH 26", frame mounted (168 lbs of def when filled to maximum level) included in base model weight
- o. Exhaust System - Compact DPF mounted right hand side under cab, frame mounted SCR, with cab mounted vertical pipe
- p. Exhaust Outlet Package - 10' 0" aluminized stainless steel single stack
- q. Exhaust Features - Straight stack, side outlet diffuser box
- r. Lower Exhaust Piping - Aluminized stainless steel exhaust pipe

- s. Exhaust Piping Flex Section - Stainless steel exhaust flex section
- t. Exhaust shield - Aluminum exhaust shield
- u. Primary Fuel Filter - Volvo dual engine mounted fuel filters with water separator
- v. Primary Fuel Filter Location - Standard fuel filter location
- w. Compressor - WABCO 31.8 CFM compressor
- x. Clutchable Air Compressor - No clutchable air compressor provided
- y. Engine Brake - Volvo engine brake (I-VEB) for D11 engine
- a`. Engine Oil Pan - Stamped steel oil pan (Standard oil change intervals)

## 5. TRANSMISSION

- a. Transmission Package - Fuller 10 speed manual
- b. Transmission Cooler - Water to oil trans cooler mounted on transmission
- c. Driveline Manufacturer - Spicer life driveline with greaseable XLU-Joints
- d. Driveline - Calculated to torque requirements

## 6. PROGRAMMABLE FEATURES

- a. Idle Emission Certification - Idle emission certification, carb 08
- b. Idle Emission Label Location - Cab mounted card '08 decal location
- c. Emission on Board Diag Control - Emission on board diagnostic, display only, USA 2016
- d. Engine Idle Automatic Shutdown (AL) - Engine idle shutdown, enable
- e. Engine Idle Shutdown Time (AM) - Idle shutdown time 5 minutes
- f. Engine Idle Control (CMQ) - Basic engine idle control
- g. Ambient Temp Max Threshold (CMO) - Max ambient air temp over-ride, 80 deg F (27 deg C)
- h. Ambient Temp Min Threshold (CMO) - Min ambient air temp over-ride, 45 deg F (7 deg C)
- i. Cruise Control (AG) - with eco cruise control
- j. Cruise Control, Max Speed (AI) - Maximum cruise, 65 MPH (105 km/h)
- k. Pedal Road Speed Limit Setting (P1/16) - Pedal road speed limit, 65 mph (105km/h)
- l. Road Speed Limit Setting (P1AOC) - Road speed limit, 65 mph (105 km/h)
- m. Gear Down Vehicle Speed Limiter (P1AL0) - Gear down vehicle speed limiter enabled
- n. Gear Down Vehicle Speed Limiter (P1AOC) - Gear down vehicle speed, 58 mph (93km/h)
- o. Cruise Control Min Speed (BK) - Min cruise, 30 mph (48 km/h)
- p. Road Speed Limit Control Type (P1I01) - With eco RSL control
- q. Optimized Fuel Econ Indicator (P1LXM) - Optimized fuel economy indicator, sweet spot
- r. Engine Load in PTO (CMM) - 30% minimum engine load limit in PTO before allow idle shutdown
- s. Maximum Engine Speed at 0 MPH (P1ANA) - 1400 maximum engine RPM at 0 MPH
- t. Engine Protection System (P1FGT) - Engine protection (shutdown)
- u. Coolant Warm Hold Temp (KBS) - Coolant warm hold temp enabled
- v. Fault Code Display Filter - Fault code display filter
- w. DPF Regeneration Controls - DPF regen control, auto regen in motion, manual parked regen, manual inhibit
- x. PTO Max Engine Set Speed (AND) - PTO engine maximum 700 RPM
- y. PTO Resume Engine Set Speed (ANE) - PTO Engine resume 700 RPM

## 7. FRONT AXLE

- a. Front Axle Package - Volvo VF14 14,600 LB Front Springs
- b. Brake Regulation - Brake regulation, stopping distance 310 FT (94M)
- c. Front Brake Package - Front brake bendix spicer, cast S-Cam, standard lube
- d. Front Brake Dimension - 16.5 x 5 front brake size
- e. Brake Drum, Front Axle - Cast iron front brake drum outboard mounted
- f. Front Brake Lining Material - Brake lining material front, bendix spicer EES-600
- g. Front Axle Brake Dust Shield - Front brake dust shields
- h. Hubs, Front axle - Iron preset plus front axle hub with integrated spindle nut
- i. Front Oil Seal Cap - Stemco visible cap with drain
- j. Front Axle Lubricant - Synthetic front axle lubricant
- k. Power Steering Gear - TRW THP60 integral power steering gear
- l. Front Suspension Package - Parabolic leaf front suspension
- m. Spring Maintenance Type - Lubricated spring pins and bushings

## 8. REAR AXLE

- a. Rear Axle Package - Meritor MT-40-14x4D hypoid (heavy duty housing) 40,000 lb capacity
- b. Rear Axle Ratio - 2.64 rear axle ratio

- c. Differential Lock - Interaxle differential lock
- d. Rear Suspension Package - 40,000 lb Volvo T-Ride (2-leaf firm ride) 54" spacing
- e. Rear Shock Absorber - Rear shock absorbers
- f. Rear Brake Package - Rear brake bendix spicer, cast S-Cam, standard lube
- g. Drive Axle Brake Dimension - 16.5 x 7 rear brake size
- h. Brake Drum, Drive Axle - Cast iron drive axle brake drum outboard mounted
- i. Drive Axle Brake Dust Shield - Rear brake dust shields
- j. Drive Axle Brake Lining Material - Brake lining material drive, bendix spicer ES-600
- k. Hubs, Drive Axle - Iron preset plus drive axle hub with integrated spindle nut
- l. Rear Axle Lubricant - Chevron delco gear lubricant esi sae 80W-90 (approved for meritor extended component warranty only)
- m. Parking Brake Chamber Package - Four cam type haldex
- n. Rear Brake Chamber Size - Rear brake chamber 30/30 sq inches (service/emergency)
- o. Chamber Stroke Length, Drive Axle - Basic length brake chamber stroke
- p. Front and Rear Slack Adjusters - Haldex brake adjuster front and rear
- q. Front Brake Chamber Size - Front brake chamber 24 square inches (service)

## 9. AUXILIARY AXLE

- a. Auxiliary Axle Package - 1 Hendrickson composilite SC 13K steerable pusher axle - auxiliary wheel and tire selection subject to hendrickson guidelines for tire to ground clearance
- b. First Pusher Axle Spacing - 48" (1220mm) ahead of FWD drive axle
- c. Auxiliary Axle Brake Dimension - 15 x 4 auxiliary axle brake size
- d. Auxiliary Axle Brake Drum - Cast iron auxiliary axle brake drum outboard mounted
- e. Pusher and Tag Axle Brake Package - Pusher brake bendix spicer, cast s-cam, standard lube
- f. Pusher and Tag Axle Brake Chamber Package - Pusher with haldex chambers
- g. Pusher Brake Chamber Size - Pusher brake chamber 20SQ inches
- h. Auxiliary Axle Control Location - Inside cab auxiliary axle control location. Up/down switch only inside, air regulator and gauge outside of cab
- i. Hubs, Auxiliary Axle - Iron preset plus auxiliary axle hub with integrated spindle nut

## 10. CHASSIS

- a. Driver Side Front Chassis Configuration - Left hand battery box - 3 capacity, def tank mounted behind battery box (VHDF)
- b. Passenger Side Front Chassis Configuration - Frame mounted SCR (VNM/VNL/VHD)
- c. Wheelbase - 232" wheelbase
- d. Overhang - 55" overhang
- e. Fuel Tank Shape-Diesel - 26" DIA cylindrical fuel tank
- f. Fuel Tank, Left Hand Side-Diesel - 75 gallon left hand fuel tank
- g. Fuel Tank, Right Hand Side-Diesel - No right hand diesel tank provided
- h. Fuel Tank Material-Diesel - Aluminum fuel tank material
- i. Fuel Tank Position - Fuel tank position 1
- j. DPF Cover - DPF cover, painted steel
- k. Diesel Exhaust Fluid Tank Cover - Painted diesel exhaust fluid tank cover
- l. Fuel Lines - Nylon fuel lines
- m. Fuel Tank Straps - Painted steel fuel tank straps
- n. Fuel Tank Cap/Def Tank Cap - Non-locking fuel tank cap
- o. Air Tank Arrangement - Air tank arrangement, basic
- p. Air Tanks - Steel air tanks
- q. Air Dryer - Meritor wabco air dryer, 1200UP without turbo cut off valve, with heater and coalescing oil filter
- r. Air Tank Drain Valve - Manual pull cord on brake system tanks
- s. Front Frame Extension - No front frame extension provided
- t. Intermediate Crossmember Material - Steel crossmember material
- u. Intermediate Crossmember Configuration - Basic intermediate crossmember
- v. Forward Rear Susp Crossmember Material - Steel crossmember material
- w. Bogie Crossmember Material - Steel crossmember material
- x. Rear Frame Treatment - Straight cut-off rear crossmember
- y. Front Bumper - Steel construction bumper-three piece
- a`. Bumper Position - Bumper mounted standard position
- aa. Front Fender Extension - No front fender extension provided
- ab. Main Chassis Wiring Harness Covering - Basic main chassis wiring harness covering
- ac. LH Fuel Tank Face Location - LH fuel tank front face @ XM=4325

## 11. TRANSPORT ADAPTATION

- a. Electrical Connections Back of Cab - Body builder connections back of cab
- b. Trailer Brake Hand Control - Delete trailer brake hand control
- c. Center Console For Body Controls - Mounting plate only for body controls
- d. Body Builder Electrical Prep - Electrical complete kit for body builder and/or I-Shift PTO's, ECU dash to chassis

## 12. CAB EXTERIOR

- a. Cab Suspension - Mechanical cab suspension with shocks
- b. Auxiliary Rear Window - Standard rear window
- c. Wiper Blade - Basic wiper blade
- d. Front Grille - Black molded front grille
- e. Bug Screen - Bug screen behind grille
- f. Air Intake Grille Finish - Air intake grille, black
- g. Air Horn - Dual trumpet mounted under cab
- h. Exterior Side View Mirrors - Black vocational mirrors with long arms
- i. Exterior Sunvisor - Exterior Sunvisor with clear lens LED marker lamps

## 13. CAB INTERIOR

- a. Interior Trim Package - Choice vinyl with espresso brown trim package
- b. Seat Manufacturer - National seat
- c. Driver Seat Type - Comfort air suspension high back
- d. Passenger Seat Type - Stationary tool box high back
- e. Driver Seat Upholstery - Driver seat espresso brown vinyl
- f. Safety Belt Length - Standard safety belt length
- g. Safety Belt Driver Seat - Safety belt driver seat, black
- h. Safety Belt Passenger Seat - Safety belt passenger seat, black
- i. Climate Unit - Integral air conditioner with heater-manual controls
- j. Parking Heater - Without parking heater
- k. Dog House - Dog house two piece
- l. Storage Overhead Driver - Netted overhead storage (Drive/passenger sides) with CB mounting and auxiliary switches
- m. Gauge Package - Eight gauge instrument cluster with base driver information display (DID)
- n. Diagnostics Display in Cluster - Basic diagnostics display in cluster
- o. Air Restriction Indicator - Graduated ARI on filter
- p. Speedometer Graduation - MPH Speedometer Graduation

## 14. LIGHTING

- a. Auxiliary Lamps - Snow plow lamp prep
- b. Headlamps - Halogen headlamps
- c. Daytime Running Lamps - Equipped with daytime running lights
- d. Stop and Tail Lights - Dual with integral backup lights
- e. Turn Signal Switch - Self cancelling turn signal switch

## 15. AUDIO SYSTEM

- a. Radio Package - AM/FM/CD/MP3/Bluetooth Radio
- b. Radio Antenna - Single RH 48 inch mirror MTD radio antenna
- c. Steering Wheel Controls - Marker interrupt, headlamp interrupt, radio, phone controls in steering wheel
- d. Radio Speakers - Speakers in dash only
- e. CB Radio Mounting - Overhead mounted CB hold down
- f. CB Antenna - Single left hand 48 inch mirror mounted CB antenna

## 16. MISC CAB EQUIPMENT

- a. Window Lift - Manual window lift
- b. Door Locks Cab - Manual cab door locks
- c. Key Type - Basic unique key
- d. Key Quantity Per Unit - 4 keys provided per unit
- e. Electrical Dash Outlet - One 12 volt dash outlet

## 17. TIRES AND WHEELS FRONT

- a. Tire Package Front - 315/80R22.5L Bridgestone M860A (20000 lbs. gawr) on/off road usage
- b. Tire Classification Front - GHG front tire classification, low rolling resistance
- c. Rim/Wheel Package Front - 22.5 x 9.00 maxion steel powder coat white 286BC 5 hand holes hub piloted
- d. Front Wheel and Tire Quantity - Two front wheels and tires

18. TIRES AND WHEELS REAR

- a. Tire Package Rear - 11R22.5G Bridgestone R268(23360 lbs. gawr) regional haul
- b. Rim/Wheel Package Front - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Drive Wheel and Tire Quantity - Eight drive wheels and tires

19. TIRES AND WHEELS AUXILIARY

- a. Tire Package Auxiliary Axle - 11R22.5G Bridgestone R268 (12350 lbs. gawr) regional haul
- b. Rim/Wheel Package Auxiliary Axle - 22.5 x 8.25 maxion steel powder coat white 286BC 5 hand holes hub piloted
- c. Wheel and Tire Mounting-Auxiliary Axle - Single wheel/tire mount-auxiliary axle
- d. Auxiliary axle wheel and tire quantity - Two auxiliary axle wheels and tires

20. MISC TIRE EQUIPMENT

- a. Tire Inflation Valve - Tire Inflation Valve, Standard

21. PAINT

- a. Cab Paint Scheme - Single Color Paint
- b. First Cab Color - Glacier White P3029
- c. Cab Paint Type - BC/CC-Solid
- d. Chassis Color - Black P3036
- e. Bumper Color - Same as first cab color
- f. Disc Wheel or Rim Color - Steel disc wheels-prepainted white, powder-coat, aluminum or stylized disc-unpainted
- g. Spoke Wheel/Hub Color - Spoke WHL?HUB same as chassis-al unptd

22. BUSINESS SERVICES

- a. Pre-Delivery Inspection - Pre-Delivery inspection, basic

23. BASE WARRANTY AND PURCHASED COVERAGES

- a. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- b. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- c. Warranty Type - Heavy duty standard base coverage, 12 months/100,000 miles
- d. Volvo D11/D13 Engine Extended Coverage - Volvo D11/D13 base engine coverage - 24mths/250K miles or 6250 hrs
- e. Vehicle Emissions Components Coverage - US & Canada Volvo engine equipped vehicle emissions components coverage, 60 months/100K miles
- f. Transmission Coverage - Standard I-Shift SD trans, heavy duty vehicle, 36 mths/250K miles
- g. Additional Extended Chassis Towing Coverage - Base chassis towing coverage, 90 day/5000 mile/8050 kilometer
- h. Additional Extended Engine Towing Coverage - Base Volvo engine coverage, 24mo/250K mile
- i. Remote Diagnostics Bundle - Remote diagnostics: includes assist and Volvo action service - 24 months
- j. Uptime Center Bundle - Assist and Volvo action service - 24 months

24. SUBTOTALS

- a. Base Weight - Front Weight - 9,335
- b. Base Weight - Rear Weight - 8,431

25. MODEL PACKAGE

- a. Manufacturing Location - Volvo Trucks - Assembled in the USA





## **NORTH CAROLINA SHERIFFS' ASSOCIATION**

### **VOLVO - VHD84F200 – (6X4 W/ PUSHER – REAR LOADER, SIDE LOADER, ROLL-OFF, KNUCKLEBOOM, HOOK LIFT) SPECIFICATION #61**

#### **2017 Volvo VHD84F200**

The Volvo VHD84F200 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$95,743.00	\$95,743.00	\$95,743.00	\$95,743.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

<b>VEHICLE:</b>	VHD84F200			
<b>DEALER:</b>	Transource, Inc.	Transource, Inc.	Transource, Inc.	Transource, Inc.
<b>ZONE:</b>	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
<b>BASE PRICE:</b>	\$95,743.00	\$95,743.00	\$95,743.00	\$95,743.00

Order Code	Add Options	All Zones
QB2E0X <sup>1</sup>	Brake Lining Material, Pusher - Brake lining material pusher, bendix spicer EES-600 (Replaces Q2BE1X)	NC <sup>1</sup>
403006 <sup>1</sup>	Frame Rail Package - 11.81" x 3.54" x .38" straight steel rails <i>REQUIRED ILO FRAME LINER<sup>1</sup></i>	Incl. <sup>1</sup>
2MCA1X <sup>1</sup>	Tire Classification Auxiliary - GHG auxiliary tire classification, basic <i>REQUIRES LOW PROFILE TIRES<sup>1</sup></i>	Std <sup>1</sup>
1017R2 <sup>1</sup>	D11 - 365HP	\$595.00 <sup>1</sup>
1017S6 <sup>1</sup>	D13 - 475HP	\$6,728.00 <sup>1</sup>
7RXD1X <sup>1</sup>	Transmission Lubricant - Synthetic 75W-90 trans lubricant <i>STANDSRD WITH I-SHIFT TRANSMISSION<sup>1</sup></i>	Incl. <sup>1</sup>
270743 <sup>1</sup>	Eaton RTLO-16913A - 13 Speed	\$1,258.00 <sup>1</sup>
	Allison 3000 5spd	NA
270768 <sup>1</sup>	Allison 4500 5spd <i>MAY REQUIRE ADDITIONAL OPTIONS<sup>1</sup></i>	\$18,948.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Electronics - Performance Volvo I-Shift transmission electronics (with premium shifter)	\$3,159.00 <sup>1</sup>
270704 <sup>1</sup>	Volvo Transmission Performance Mode - Volvo I-Shift Transmission performance mode, enabled with auto return to economy mode	\$3,159.00 <sup>1</sup>
6SAA1X <sup>1</sup>	Volvo Transmission Kick-Down Mode - Volvo I-Shift transmission kick-down mode, enable in economy and performance modes <i>REQUIRES I-SHIFT TRANSMISSION<sup>1</sup></i>	\$25.00 <sup>1</sup>
RVXH5X <sup>1</sup>	Gear Shift Lever - Gear shift lever, premium, I-Shift <i>REQUIRES I-SHIFT TRANSMISSION<sup>1</sup></i>	\$27.00 <sup>1</sup>
	Clutch - Eaton E2 Clutch 15"	NA
J8XG1X <sup>1</sup>	125 gallon single tank <i>MAY REQUIRE ADDITIONAL OPTION<sup>1</sup></i>	\$412.00 <sup>1</sup>
J8XXXX <sup>1</sup>	Dual 50 gallon tanks <i>MAY REQUIRE ADDITIONAL OPTION<sup>1</sup></i>	\$754.00 <sup>1</sup>
370408 <sup>1</sup>	Volvo VF22 22,800 LB	\$1,214.00 <sup>1</sup>
371071 <sup>1</sup>	22,800 LB Leaf Spring <i>STANDARD WITH 22,800 FRONT AXLE<sup>1</sup></i>	Incl. <sup>1</sup>
330512 <sup>1</sup>	Meritor - 40,000 LB with Aluminum Carrier	\$721.00 <sup>1</sup>
350378 <sup>1</sup>	Volvo - 40,000 lb multileaf	\$146.00 <sup>1</sup>
400198 <sup>1</sup>	198" WB <i>NON STANDARD WHEELBASE, MAY REQUIRE ADDITIONAL OPTIONS<sup>1</sup></i>	NC <sup>1</sup>
400240 <sup>1</sup>	240" WB	NC <sup>1</sup>
U4XC1X <sup>1</sup>	Meritor Drum Outboard Mounted	\$431.00 <sup>1</sup>