State Term Contract

Bid Number: 201400104
Effective Dates: March 11, 2014 through March 10, 2017
Vendor and Contact: Charlotte Truck Center
Terry Keith - tkeith@charlottetruckcenter.com - 800-277-1038

General Information
This contract intended to cover the State’s normal requirements for 35,000 GVWR Cab and Chassis Trucks.

Scope of Contract
The scope of this contract is limited to the products as defined herein. This contract is for use by all state agencies, departments, institutions, universities, community colleges (except those exempted by statute), and certain non-state agencies.

NON-STATE AGENCIES ELIGIBLE TO PARTICIPATE IN THIS CONTRACT:
In accordance with North Carolina General Statutes, certain non-state entities described below, may participate in this contract on a voluntary basis. Any of the non-state entities that choose to participate in this contract must abide by the terms and conditions that are set forth in this contract.

Nonprofit corporations operating charitable hospitals, local nonprofit community sheltered workshops or centers that meet standards established by the Division of Vocational Rehabilitation of the Department of Health and Human Services, private nonprofit agencies licensed or approved by the Department of Health and Human Services as child placing agencies, residential child-care facilities, private nonprofit rural, community, and migrant health centers designated by the Office of Rural Health and Resource Development, private higher education institutions, counties, cities, towns, governmental entities, volunteer fire departments, rescue squads, and other subdivisions of the State and public agencies thereof.

Taxes
Prices or Discounts shown herein do not include any North Carolina sales or use taxes.

Minimum Orders
The contract will be for a minimum order of one unit for any single order.

Placement of Orders
Orders will be placed throughout the contract period on an as-needed basis for the quantity required at the time, and will be issued directly to the respective contractor.

Note: Non-State agencies ordering from this contract are to place the order with the contractor noted and not with NCDOT.
Order Placement Via E-Procurement (Catalog Items)

Click on the following link: **E-Procurement Users**

When placing an order in the e-procurement system, the very first thing to do is to go to the catalog tab and select options. After you have selected options, select contract ID. In the contract ID space type in the contract ID number, 070X.

Please make sure the keywords space is blank and the contract ID is typed in the contract ID section.

After selecting the contract ID and to narrow the search to a particular manufacturer select the manufacturer from the drop down

When the item to be ordered has been located complete the requisition and issue the purchase order.

**Non E-Procurement Users**

The E-Procurement Public View will be the only place for Non E-Procurement Users to view the item/pricing information.

Click on the following link: **E-Procurement Public View**

For online assistance regarding item searching; click on the “How to” underlined link located near the upper-right hand corner.

Delivery

The State requests that the first unit be delivered within 120 days of the receipt of a purchase order. The State reserves the right to evaluate the delivery schedule offered as a factor in determining award of this contract. The delivery schedule will be finalized with the successful bidder when a purchase order is issued. Bidders are requested to submit with their bid a proposed delivery schedule showing when the first unit will be delivered after receipt of purchase order and at what rate the remaining units will be delivered until order is complete. The successful bidder will be expected to adhere strictly to the delivery schedule finalized in accordance with the Issuing Agency guidelines after a purchase order is issued.

In the event the delivery is not received within the contract delivery period, the contractor may be held in default in accordance with paragraph 1, DEFAULT AND PERFORMANCE BOND in the North Carolina General Contract Terms and Conditions, and the state may procure the articles or services from other sources and hold the contractor responsible for excess cost occasioned thereby.
Transportation Charges

All goods shall be delivered **FOB DESTINATION** for all orders equal to, or greater, than the minimum order, when shipped to a single destination to any location within the State of North Carolina. Orders for less than the minimum order will be shipped prepaid, with transportation charges added to the invoice as a separate item. Transportation charges levied by the contractor for orders equal to, or greater than the minimum order, when shipped to a single destination, may be cause for removal of the contractor from the contract. In instances where the contractor makes partial shipments of an order to one destination, which is equal to, or greater than, the minimum order, all shipments of the order shall be sent **FOB DESTINATION** with NO additional transportation charges.

All shipments should be inspected for damage immediately upon receipt.

Warranty

Each unit is to be warranted bumper to bumper, for a minimum period of two years from date accepted and made ready for operations, regardless of mileage. The warranty shall cover all parts, labor and delivery of parts. In addition, there shall be an extended warranty of one additional year or a total of 150,000 miles on the drive train (engine, transmission and rear axle). There shall be no reduction (prorating) of coverage resulting from age or mileage during the warranty period. In addition, any specific provisions in the manufacturer’s standard warranty that exceed the above requirement become part of the warranty for this contract.

Any periodic inspections, which may be required and performed by the vendor or his representative, shall be without charge to the owner.

Contract Items and Specifications:

**Ordering Agencies are strongly encouraged to confirm specifications with the vendor prior to placing order.**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>ITEM 1</td>
<td>Cab and Chassis, 35,000 GVWR</td>
<td>Freightliner 114SD Automatic Transmission</td>
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<tr>
<td>ITEM 2</td>
<td>Option for 108” usable CA</td>
<td>Option for 108” usable CA</td>
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<tr>
<td>ITEM 3</td>
<td>Option for 120” usable CA</td>
<td>Option for 120” usable CA</td>
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<tr>
<td>ITEM 4</td>
<td>Option for 126” usable CA</td>
<td>Option for 126” usable CA</td>
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<tr>
<td>ITEM 5</td>
<td>Option for 144” usable CA</td>
<td>Option for 144” usable CA</td>
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<tr>
<td>ITEM 6</td>
<td>Option for 162” usable CA</td>
<td>Option for 162” usable CA</td>
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<tr>
<td>ITEM 7</td>
<td>Option for 174” usable CA</td>
<td>Option for 174” usable CA</td>
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</tbody>
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### Vehicle Configuration

114SD CONVENTIONAL CHASSIS

**2017 MODEL YEAR SPECIFIED**

SET FORWARD AXLE - TRUCK

TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK

LH PRIMARY STEERING LOCATION

### General Service

TRUCK/TRAILER CONFIGURATION

DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)

CONSTRUCTION SERVICE

GOVERNMENT BUSINESS SEGMENT

DIRT/SAND/ROCK COMMODITY

TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS

MAXIMUM 8% EXPECTED GRADE

ROUGH, MAINTAINED, CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES)

ROAD SURFACE

FREIGHTLINER SD VOCATIONAL WARRANTY

EXPECTED FRONT AXLE LOAD: 13300 lbs

EXPECTED REAR DRIVE AXLE LOAD: 23000 lbs

GROSS VEHICLE WEIGHT CAPACITY: 36300 lbs

EXPECTED GROSS COMBINATION WEIGHT: 70000 lbs

### Truck Service

FRONT PLOW/END DUMP/FLATBED

EXPECTED TRUCK BODY LENGTH: 10.0 ft

EXP EMPTY BODY CG LOC FROM BODY FRT(A89): TBD

### Tractor Service

LOWBOY TRAILER

SINGLE (1) TRAILER

### Engine

CUM ISL 270 HP @ 2000 RPM; 2200 GOV RPM, 800 LB/FT @ 1300 RPM
Electronic Parameters

67 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
CUMMINS TRIP INFORMATION REPORTS ENABLED; LEVEL 1: 4 MPH, LEVEL 2: 7 MPH ABOVE ROAD SPEED LIMIT
ENGINE BRAKE WITH CRUISE CONTROL ENABLED AT 2 MPH ABOVE SET SPEED, 1 MPH INCREMENT BETWEEN BRAKING LEVELS
ENGINE FAN ENABLED WITH RETARDER
AUTOMATIC MAINTENANCE MONITOR WITH ALERT AT 5% OF INTERVAL REMAINING
REGEN INHIBIT SPEED THRESHOLD - 0 MPH

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)
NO 2013 ENGINE ESCALATOR
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES
BATTERY BOX FRAME MOUNTED
STANDARD BATTERY JUMPERS
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN NON-POLISHED BATTERY BOX COVER
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP
6 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
<table>
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<tr>
<th>Engine Equipment (Continued)</th>
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<tr>
<td>LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION</td>
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<tr>
<td>STANDARD DIESEL EXHAUST FLUID TANK CAP</td>
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<tr>
<td>ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)</td>
</tr>
<tr>
<td>HORTON DRIVEMASTER ON/OFF FAN DRIVE</td>
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<tr>
<td>AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED</td>
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<tr>
<td>CUMMINS SPIN ON FUEL FILTER</td>
</tr>
<tr>
<td>COMBINATION FULL FLOW/BYPASS OIL FILTER</td>
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<tr>
<td>FLEETGUARD PLAIN COOLANT FILTER</td>
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<tr>
<td>1300 SQUARE INCH ALUMINUM RADIATOR</td>
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<tr>
<td>ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT</td>
</tr>
<tr>
<td>GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT</td>
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<tr>
<td>CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES</td>
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<tr>
<td>RADIATOR DRAIN VALVE</td>
</tr>
<tr>
<td>1350 ADAPTER FLANGE FOR FRONT PTO PROVISION</td>
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<tr>
<td>PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER</td>
</tr>
<tr>
<td>BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR</td>
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<tr>
<td>ELECTRIC GRID AIR INTAKE WARMER</td>
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<tr>
<td>DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH</td>
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<thead>
<tr>
<th>Transmission</th>
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<tbody>
<tr>
<td>ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION</td>
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<tr>
<td>(OPTION FOR EATON FULLER RT-9210B 10 SPEED MANUAL TRANSMISSION)</td>
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<tr>
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<tbody>
<tr>
<td>ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL</td>
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<tr>
<td>ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES</td>
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<tr>
<td>PRIMARY MODE GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000</td>
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<td>SECONDARY MODE GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000</td>
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<tr>
<td>MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS</td>
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<tr>
<td>TCU-MAX PTO ENGINE SPEED OPERATION NOT CONFIGURED</td>
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<tr>
<td>TCU-MAX PTO O/P SPD ENG NOT CONFIGURE</td>
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<tr>
<td>TCU-MAXIMUM PTO OUTPUT SPEED OPERATION NOT CONFIGURED</td>
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<tr>
<td>VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB</td>
</tr>
<tr>
<td>ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED</td>
</tr>
<tr>
<td>CUSTOMER INSTALLED CHELSEA 277 SERIES PTO</td>
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</tbody>
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### Transmission Equipment (Continued)

- **PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION**
- **MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN**
- **PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED**
- **TRANSMISSION PROGNOSTICS - ENABLED 2013**
- **WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK**
- **TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK**
- **SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)**

### Front Axle and Equipment

- **DETROIT DA-F-13.3-3 13,300# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE**
- **MERITOR 16.5X5 Q+ CAST SPIDER HEAVY DUTY CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES**
- **NON-ASBESTOS FRONT BRAKE LINING**
- **CONMET CAST IRON FRONT BRAKE DRUMS**
- **FRONT BRAKE DUST SHIELDS**
- **SKF SCOTSEAL PLUS XL FRONT OIL SEALS**
- **SKF SCOTSEAL TF VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL**
- **STANDARD SPINDLE NUTS FOR ALL AXLES**
- **MERITOR AUTOMATIC FRONT SLACK ADJUSTERS**
- **STANDARD KING PIN BUSHINGS**
- **TRW THP-60 POWER STEERING**
- **POWER STEERING PUMP**
- **4 QUART POWER STEERING RESERVOIR**
- **SYNTHETIC 75W-90 FRONT AXLE LUBE**

### Front Suspension

- **14,600# FLAT LEAF FRONT SUSPENSION**
- **GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION**
- **FRONT SHOCK ABSORBERS**

### Rear Axle and Equipment

- **RS-23-160 23,000# R-SERIES SINGLE REAR AXLE**
- **5.38 REAR AXLE RATIO**
- **(3.58 REAR AXLE RATION WITH 10 SPEED MANUAL TRANSMISSIONS)**
- **IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING**
- **MXL 17N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES**
- **TRAC-TECH FULL TIME NO-SPIN DIFFERENTIAL SINGLE REAR AXLE**
- **MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES**
- **NON-ASBESTOS REAR BRAKE LINING**
- **BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)**
### Rear Axle and Equipment (Continued)
- CONMET CAST IRON REAR BRAKE DRUMS
- REAR BRAKE DUST SHIELDS
- SKF SCOTSEAL PLUS XL REAR OIL SEALS
- HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
- MERITOR AUTOMATIC REAR SLACK ADJUSTERS
- SYNTHETIC 75W-90 REAR AXLE LUBE

### Rear Suspension
- 23,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD
- SPRING SUSPENSION - 1.00" AXLE SPACER
- STANDARD AXLE SEATS IN AXLE CLAMP GROUP
- FORE/AFT CONTROL RODS

### Brake System
- WABCO 4S/4M ABS WITH TRACTION CONTROL
- REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- FIBER BRAID PARKING BRAKE HOSE
- STANDARD BRAKE SYSTEM VALVES
- STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- STD U.S. FRONT BRAKE VALVE
- RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
- WABCO OIL COALESCING FILTER FOR AIR DRYER
- AIR DRYER MOUNTED INBOARD ON RH RAIL
- STEEL AIR BRAKE RESERVOIRS MOUNTED PERPENDICULAR RH UNDER CAB
- CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD
- PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

### Trailer Connections
- AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS
- PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE
- SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME
- UPGRADED CHASSIS MULTIPLEXING UNIT

### Wheelbase & Frame
- 4250MM (167 INCH) WHEELBASE
- 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI
- PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION
- BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
- 900MM (35 INCH) REAR FRAME OVERHANG
**Wheelbase & Frame (Continued)**

- FRAME OVERHANG RANGE: 31 INCH TO 40 INCH
- 12 INCH INTEGRAL FRONT FRAME EXTENSION
- CALC’D BACK OF CAB TO REAR SUSP C/L (CA) : 83.54 in
- CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 80.54 in
- CALC’D FRAME LENGTH - OVERALL : 241.68 in
- CALC’D SPACE AVAILABLE FOR DECKPLATE : 83.54 in
- CALCULATED FRAME SPACE LH SIDE : 112.9 in
- CALCULATED FRAME SPACE RH SIDE : 90.83 in
- SQUARE END OF FRAME
- FRONT CLOSING CROSSMEMBER
- STANDARD WEIGHT ENGINE CROSSMEMBER
- STANDARD MIDSHIP #1 CROSSMEMBER(S)
- STANDARD REARMOST CROSSMEMBER
- STANDARD SUSPENSION CROSSMEMBER

### Chassis Equipment

- OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203
- GRADE 8 THREADED HEX HEADED FRAME FASTENERS

### Fuel Tanks

- 70 GALLON/264 LITER RECTANGULAR ALUMINUM FUEL TANK - LH
- RECTANGULAR FUEL TANK(S)
- PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
- FUEL TANK(S) FORWARD
- PLAIN STEP FINISH
- FUEL TANK CAP(S)
- ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL AND PRIMER PUMP
- EQUIFLO INBOARD FUEL SYSTEM
- HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

### Tires

- MICHELIN XZE2 11R22.5 16 PLY RADIAL FRONT TIRES
- MICHELIN XDE M/S 11R22.5 16 PLY RADIAL REAR TIRES

### Hubs

- CONMET PRESET PLUS ALUMINUM FRONT HUBS
- CONMET PRESET PLUS IRON REAR HUBS

### Wheels

- MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS
- MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS
### Cab Exterior

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB  
AIR CAB MOUNTS  
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE  
LH AND RH GRAB HANDLES  
STATIONARY BLACK GRILLE  
BLACK HOOD MOUNTED AIR INTAKE GRILLE  
FIBERGLASS HOOD  
SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED  
DUAL ELECTRIC HORNS  
SINGLE HORN SHIELD  
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS  
REAR LICENSE PLATE MOUNT END OF FRAME  
SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS  
HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS  
(5) AMBER MARKER LIGHTS  
HEADLIGHTS ON WITH WIPERS, WITH LOW BEAM DAYTIME RUNNING LIGHTS  
INTEGRAL STOP/TAIL/BACKUP LIGHTS  
STANDARD FRONT TURN SIGNAL LAMPS  
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE  
DOOR MOUNTED MIRRORS  
102 INCH EQUIPMENT WIDTH  
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS  
(3RD ROUND CONVEX MIRROR ON LH BRACKET)  
STANDARD SIDE/REAR REFLECTORS  
NO CAB MOUNTED STEPS  
ELECTRIC HORN WARNING SYSTEM FOR PARK BRAKE NOT SET WITH DOOR OPEN AND ALL IGNITION KEY POSITIONS  
63X14 INCH TINTED REAR WINDOW  
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS  
MANUAL DOOR WINDOW REGULATORS  
TINTED WINDSHIELD  
8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR

### Cab Interior

OPAL GRAY VINYL INTERIOR  
MOLDED PLASTIC DOOR PANEL  
MOLDED PLASTIC DOOR PANEL  
BLACK MATS WITH SINGLE INSULATION  
DASH MOUNTED ASH TRAYS AND LIGHTER
Cab Interior (Continued)

FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
IN DASH STORAGE BIN
CENTER STORAGE CONSOLE MOUNTED ON BACKWALL
(OMITTED WITH 2-MAN PASSENGER SEAT)
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
SMART SWITCH EXPANSION MODULE
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
STANDARD HEATER PLUMBING
DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
BINARY CONTROL, R-134A
STANDARD INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
TRIANGULAR REFLECTORS WITHOUT FLARES
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION
BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION
(OPTION FOR 2-MAN PASSENGER SEAT)
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
GRAY CORDURA PLUS CLOTH DRIVER SEAT COVER
GRAY CORDURA PLUS CLOTH PASSENGER SEAT COVER
3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER AND PASSENGER SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
BLACK GAUGE BEZELS
Instruments & Controls (Continued)

LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/

ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH

2 INCH ELECTRIC FUEL GAUGE
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS
ELECTRIC ENGINE OIL PRESSURE GAUGE
AM/FM RADIO WITH FRONT AND REAR AUXILIARY INPUTS AND J1939
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
ELECTRONIC 3000 RPM TACHOMETER
NO VEHICLE PERFORMANCE MONITOR
IGNITION SWITCH CONTROLLED ENGINE STOP
THREE IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED TO BACK OF CAB
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH
BW TRACTOR PROTECTION VALVE
TRAILER HAND CONTROL BRAKE VALVE
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS
TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Design

PAINT: ONE SOLID COLOR
Color

CAB COLOR A: L1160EB STATE OF NC YELLOW ELITE BC
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
NO FUEL TANK CABINET PAINT
POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
STANDARD E COAT/UNDERCOATING

Certification / Compliance

U.S. FMVSS CERTIFICATION

Secondary Factory Options

CORPORATE PDI CENTER IN-SERVICE ONLY
PDI PERFORMED INITIAL FEDERAL FMCSR 396 DOT INSPECTION
DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE

Estimated Dry Weight Summary

Factory Weight

Front: 7536 lbs.
Rear: 4360 lbs.
Total: 11869 lbs.

Extended Warranty

EPA 2013 CUMMINS ISL ENGINE EXTENDED WARRANTY DC1, 3 YEARS/150,000 MILES/240 000 KM FEX
EPA 2013 CUMMINS ISL ENGINE EXTENDED WARRANTY AFTERTREATMENT AT3, 3 YEARS/150,000 MILES/240 000 KM FEX

Dimensions
# TABLE SUMMARY - DIMENSIONS

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bumper to Back of Cab (BBC)</td>
<td>120.9</td>
</tr>
<tr>
<td>Bumper to Centerline of Front Axle (BA)</td>
<td>37.4</td>
</tr>
<tr>
<td>Min. Cab to Body Clearance (CB)</td>
<td>3.0</td>
</tr>
<tr>
<td>Back of Cab to Centerline of Rear Axle(s) (CA)</td>
<td>83.5</td>
</tr>
<tr>
<td>Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)</td>
<td>80.5</td>
</tr>
<tr>
<td>Back of Cab Protrusions (Exhaust/Intake) (CP)</td>
<td>1.5</td>
</tr>
<tr>
<td>Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)</td>
<td>0.0</td>
</tr>
<tr>
<td>Back of Cab Protrusions (CNG Tank)</td>
<td>0.0</td>
</tr>
<tr>
<td>Back of Cab Clearance (CL)</td>
<td>3.0</td>
</tr>
<tr>
<td>Back of Cab to End of Frame</td>
<td>118.5</td>
</tr>
<tr>
<td>Cab Height (CH)</td>
<td>71.9</td>
</tr>
<tr>
<td>Wheelbase (WB)</td>
<td>167.0</td>
</tr>
<tr>
<td>Frame Overhang (OH)</td>
<td>35.0</td>
</tr>
<tr>
<td>Overall Length (OAL)</td>
<td>239.4</td>
</tr>
<tr>
<td>Rear Axle Spacing</td>
<td>0.0</td>
</tr>
<tr>
<td>Unladen Frame Height at Centerline of Rear Axle</td>
<td>42.1</td>
</tr>
</tbody>
</table>

# TABLE SUMMARY - GVWR

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Axle Component Weight Ratings</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Axles</td>
<td>13300</td>
<td>23000</td>
</tr>
<tr>
<td>Suspension</td>
<td>14600</td>
<td>23000</td>
</tr>
<tr>
<td>Hubs</td>
<td>13300</td>
<td>26000</td>
</tr>
<tr>
<td>Brakes</td>
<td>14700</td>
<td>23000</td>
</tr>
<tr>
<td>Wheels</td>
<td>14800</td>
<td>29600</td>
</tr>
<tr>
<td>Tires</td>
<td>13220</td>
<td>24020</td>
</tr>
<tr>
<td>Power Steering</td>
<td>14000</td>
<td>N/A</td>
</tr>
<tr>
<td>GAWR (per axle)</td>
<td>13220</td>
<td>23000</td>
</tr>
<tr>
<td>GAWR (per axle system)</td>
<td>13220</td>
<td>23000</td>
</tr>
<tr>
<td>Expected Load (per axle system)</td>
<td>13300</td>
<td>23000</td>
</tr>
</tbody>
</table>

**Vehicle GVWR Summary**

| Calculated GVWR | 36220 |
| Expected GVWR   | 36300 |

All weights displayed in pounds
## TABLE SUMMARY - GRADEABILITY

<table>
<thead>
<tr>
<th>Transmission Gear</th>
<th>Transmission Gear Ratio</th>
<th>Overall Gear Ratio</th>
<th>Vehicle Speed (MPH)</th>
<th>HP Available for Grade</th>
<th>Max Grade (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.59</td>
<td>24.69</td>
<td>6.4</td>
<td>159.2</td>
<td>25.8</td>
</tr>
<tr>
<td>2</td>
<td>2.25</td>
<td>12.10</td>
<td>13.0</td>
<td>154.4</td>
<td>12.3</td>
</tr>
<tr>
<td>3</td>
<td>1.54</td>
<td>8.29</td>
<td>19.0</td>
<td>148.6</td>
<td>8.1</td>
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<tr>
<td>4</td>
<td>1.00</td>
<td>5.38</td>
<td>29.2</td>
<td>134.5</td>
<td>4.8</td>
</tr>
<tr>
<td>5</td>
<td>0.75</td>
<td>4.04</td>
<td>39.0</td>
<td>114.4</td>
<td>3.0</td>
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<tr>
<td>6</td>
<td>0.65</td>
<td>3.50</td>
<td>45.0</td>
<td>98.0</td>
<td>2.3</td>
</tr>
</tbody>
</table>

Desired Gradeability at Peak Torque: 2.0

Rear Axle Ratio: 5.38

Gross HP Available at Peak Torque: 198

RPM at Peak Torque: 1300

*Blue background represents value input by user.

<table>
<thead>
<tr>
<th>Transmission Gear</th>
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<th>Vehicle Speed (MPH)</th>
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<tr>
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</tr>
<tr>
<td>2</td>
<td>2.25</td>
<td>12.10</td>
<td>18.8</td>
<td>183.9</td>
<td>10.1</td>
</tr>
<tr>
<td>3</td>
<td>1.54</td>
<td>8.29</td>
<td>27.4</td>
<td>172.5</td>
<td>6.5</td>
</tr>
<tr>
<td>4</td>
<td>1.00</td>
<td>5.38</td>
<td>42.2</td>
<td>140.9</td>
<td>3.4</td>
</tr>
<tr>
<td>5</td>
<td>0.75</td>
<td>4.04</td>
<td>56.3</td>
<td>91.7</td>
<td>1.7</td>
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<tr>
<td>6</td>
<td>0.65</td>
<td>3.50</td>
<td>65.0</td>
<td>49.5</td>
<td>0.8</td>
</tr>
</tbody>
</table>

Desired Gradeability at Cruise Speed: 2.0

Desired Cruise Speed: 65.0

Rear Axle Ratio: 5.38

Gross HP Available at Cruise Speed: 268

RPM at Cruise Speed: 1879

*Blue background represents value input by user.

### Vendor Complaint Form:

The Vendor Complaint Form can be found by clicking: [Vendor Complaint Form](#).

### Contract Addenda:

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 August 2014</td>
<td>New Contract Administrator</td>
<td>Chris Tart</td>
</tr>
<tr>
<td>16 April 2015</td>
<td>Amendment 1</td>
<td>Price Adjustment 2015</td>
</tr>
<tr>
<td>8 January 2016</td>
<td>Amendment 2</td>
<td>Price Adjustment 2016</td>
</tr>
</tbody>
</table>

Revised: 8 January 2016