

RESOLUTION NO. 2018 - 99

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO PURCHASE AND TO EXECUTE A PURCHASE ORDER FOR ONE (1) 2019 SEMI-TRACTOR TRUCK FOR THE ROAD & BRIDGE DEPARTMENT

RECITALS

WHEREAS, the County seeks to purchase one (1) 2019 semi-tractor truck for the Road & Bridge Department; and

WHEREAS, through the County's formal bid process, North Florida Western Star was determined to be the lowest responsive and responsible bidder for the purpose referenced above; and

WHEREAS, purchase of the vehicle will be funded by the Road & Bridge Department; and

WHEREAS, the County finds that purchase of the vehicle serves a public purpose.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.

Section 2. The County Administrator, or designee, is hereby authorized to purchase one (1) 2019 semi-tractor truck.

Section 3. The County Administrator, or his designee, is hereby authorized to award Bid No. 18-47 to North Florida Western Star, and is further authorized to execute a purchase order on behalf of the County for the purchase of one (1) 2019 semi-tractor truck in the amount of \$141,767.00.

Section 4. To the extent that there are typographical and/or administrative errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 3 day of April, 2018.

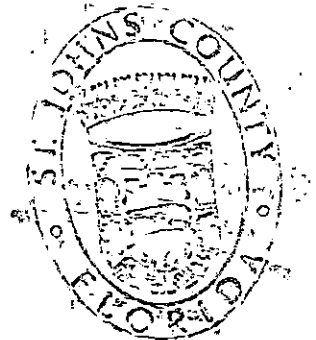
**BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA**

By: Henry Dean
Henry Dean, Chair

ATTEST: Hunter S. Conrad, Clerk

By: Pam Sattermen Deputy Clerk

RENDITION DATE 4/5/18





St. Johns County Board of County Commissioners

Purchasing Division

NOTICE OF INTENT TO AWARD

March 9, 2018

RE: Bid No: 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department

Please be advised that the Purchasing Department of St. Johns County is issuing this Notice of Intent to Award Bid No: 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department to North Florida Western Star as the lowest responsive and responsible bidder. This notice will remain posted on the St. Johns County Purchasing Department bulletin board until 5:00 p.m., Wednesday, March 14, 2018.

Any person (including any bidder or proposer) who is, or claims to be, adversely affected by the County's decision or proposed decision shall file a written Notice of Protest with the Purchasing Department of St. Johns County within 72 hours after the posting of the notice of decision or proposed decision. Failure to file a Notice of Protest within the time prescribed in Section 304.10 of the St. Johns County Purchasing Manual (the Bid Protest Procedure), or failure to post the bond or other security required by the County within the time allowed for filing a bond, shall constitute a waiver of proceedings and a waiver of the right to protest. The protest procedures may be obtained from the Purchasing Department and are included in the County's Purchasing Manual. All of the terms and conditions of the County Purchasing Manual are incorporated herein by reference and are fully binding.


Should the Purchasing Department receive no protests in response to this notice, an agenda item will be submitted to the St. Johns County Board of County Commissioners for their consideration and subsequent approval to purchase the vehicle.

Please forward all correspondence, requests or inquiries directly to David Klages, Procurement Coordinator, at dklages@sjcfl.us.

Sincerely,

St. Johns County

Board of County Commissioners


County Representative Signature

Date: 3/8/18

Jaime T. Locklear, MPA, CPPB, FCCM, Assistant Purchasing Manager

Name & Title (Printed)



**ST. JOHNS COUNTY
PURCHASING DEPARTMENT**
500 San Sebastian View
St. Augustine, Florida 32084

I N T E R O F F I C E M E M O R A N D U M

TO: Jeff Nordsiek, Fleet Maintenance Manager – Project Manager
FROM: David Klages, Procurement Coordinator
SUBJECT: Transmittal of Bids Received for Bid No: 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department
DATE: February 28, 2018

Attached are copies of the bid proposals received for the above mentioned along with a copy of the Bid Tabulation Sheet.

Please review, evaluate and make a written recommendation for this project. Also, indicate the budgeted amount for this item along with the appropriate charge code and return at your earliest convenience. We will prepare the agenda item and contract.

Please let me know if I can assist your department in any other way.

Department Head Approval Ben Bright

Date 03-06-2018

Budget Amount \$ 300,000.00

Account Funding Title ~~1122-56415~~ Capital Vehicles

Funding Charge Code 1122-56415

Award to NORTH FLORIDA WESTERN STAR

Award Amount \$ 141,767.00

ST. JOHNS COUNTY
MAR 07 '18
PURCHASING

* LOW BID DOES NOT MEET MINIMUM SPECS.
[Signature]

**ST. JOHNS COUNTY
BID TABULATION**

BID TITLE PURCHASE OF ONE (1) 2019 SEMI-TRACTOR TRUCK FOR THE ROAD & BRIDGE DEPARTMENT

BID NUMBER 18-47

OPENING DATE/TIME February 28, 2018 2:00 PM

POSTING DATE/TIME FROM 02/28/18 4:00 PM UNTIL 03/05/18 4:00 PM

ANY BIDDER AFFECTED ADVERSELY BY AN INTENDED DECISION WITH RESPECT TO THE AWARD OF ANY BID, SHALL FILE WITH THE PURCHASING DEPARTMENT FOR ST. JOHNS COUNTY, A WRITTEN NOTICE OF INTENT TO FILE A PROTEST NOT LATER THAN SEVENTY-TWO (72) HOURS (EXCLUDING SATURDAY, SUNDAY AND LEGAL HOLIDAYS) AFTER THE POSTING OF THE BID TABULATION. PROTEST PROCEDURES MAY BE OBTAINED IN THE PURCHASING DEPARTMENT.

OPENED BY David Klages

TABULATED BY Bryan Matus

VERIFIED BY David Klages

BIDDERS	TOTAL PACKAGE BID	OPTION 1 DISC BRAKES ON DRIVE AXELS	OPTION 2 STEER AXEL IN LIEU OF DRUM BRAKES			
NORTH FL WESTERN STAR	\$139,820.00	Both Options For: \$1,947.00				
NEXTRAN TRUCK CENTER	\$124,369.00	\$2,373.00	\$707.00			

BID AWARD DATE:

NOTE: Nextran Truck Center's bid did not meet the required minimum specifications.

Bid No: 18-47

ST. JOHNS COUNTY, FLORIDA
OFFICIAL COUNTY BID FORM

TO: THE BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

DATE: FEB 24, 2018

-BID PROPOSAL-

If awarded a Purchase Order on the basis of this proposal, the undersigned pledges to provide the equipment as specified in the Bid Proposal and County Specifications barring delays due to strikes, fires, transportation difficulties or other causes beyond the control of the undersigned.

The undersigned declares that the statements and representations made in this proposal are true in every respect and that the said proposal is in all respects fair and made without collusion or fraud, and that no member of the County Board, or any other agent or employee of the County, directly or indirectly, is interested in this proposal or in any profits expected to accrue therefrom.

The following proposal is presented for:

ONE (1) 2019 SEMI-TRACTOR TRUCK, PER ATTACHED SPECIFICATIONS

TOTAL PACKAGE BID (NUMERICAL) \$ 139 820.⁰⁰

TOTAL PACKAGE BID (WORDS) \$ one hundred thirty nine thousand eight hundred twenty dollars

MAKE/MODEL WESTERN STAR 4900SF

DELIVERY DATE 160 DAYS AFTER ORDER

Note: In the event there is a discrepancy between the numerical price and the written price, the written price shall prevail.

OPTIONAL EQUIPMENT:

OPTION 1: PRICE FOR DISC BRAKE ON DRIVE AXLES \$ ONLY AVAIL TOGETHER \$1947.00

OPTION 2: PRICE FOR STEER AXEL IN LIEU OF DRUM BRAKES \$ _____

During the preparation of the Bid, the following addenda, if any, were received:

No.: 0 Date Received: 0

No.: _____ Date Received: _____

No.: _____ Date Received: _____

Bid No: 18-47

I certify that the equipment presented in the above proposal meets or exceeds the County specifications and that I, the undersigned bidder, declare that I have carefully examined the specifications, terms and conditions of this bid and I am thoroughly familiar with its provisions and quality and type of coverage called for and bid herein. The undersigned further declares that he has not divulged, discussed or compared his bid with any other bidders and has not colluded with any other bidder or parties to a bid whatsoever for any fraudulent purpose.

COMPANY: NORTH FLORIDA WESTERN STAR

ADDRESS: 5040 UNIVERSITY BLVD W JACKSONVILLE, FL 32216

MINORITY OR WOMAN OWNED BUSINESS - YES OR NO: NO

FEDERAL ID NO. OR SOCIAL SECURITY NO.: 36-4678259

SIGNATURE: 

NAME - TYPED OR PRINTED: W. Bret Catto

TITLE: Vice President

DATE: 2/26/18

TELEPHONE: 904 389 3653

FAX: N/A

EMAIL ADDRESS: dustin brigman@tomnehl.com

Bid No: 18-47

ATTACHMENT "A"

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS

AFFIDAVIT

TO: ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS
ST. AUGUSTINE, FLORIDA

At the time the proposal is submitted, the Bidder shall attach to his bid a sworn statement.

The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF _____ COUNTY OF _____. Before me, the undersigned authority, personally appeared _____ who, being duly sworn, deposes and says he is _____ (Title) of _____ (Firm) the bidder submitting the attached proposal for the services covered by the bid documents for Bid No: 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department St. Johns County.

The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such bidder has no financial interest in the firm of another bidder for the same work. That he, his firm, association or corporation has neither directly, nor indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this firm's bid on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

(Bidder)

By _____

W. BRET CATTO

Vice President

(Title)

Sworn and subscribe to before me this 26th day of February, 2018.

Notary Public



JOSEPH J. ECHOLS
MY COMMISSION # FF 179389
EXPIRES: March 23, 2019
Bonded Thru Budget Notary Services

My Commission Expires: _____

BIDDER ON ALL COUNTY PROJECTS MUST EXECUTE & ATTACH THIS AFFIDAVIT TO EACH BID.

SPECIFICATIONS

THE BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

MINIMUM SPECIFICATIONS

FOR:

ONE (1) 2019 SEMI-TRACTOR TRUCK, TO BE MANUFACTURER'S BASIC PRODUCTION MODEL EQUIPPED WITH ALL STANDARD EQUIPMENT LISTED IN THE MANUFACTURER'S LITERATURE IF NOT LISTED IN SPECIFICATIONS BELOW:

These specifications are intended to describe a 2019 semi-tractor truck, designed for lowboy trailer application. The vehicle is to be new. These specifications are minimal. Bids quoting equipment that exceed them will be acceptable.

ST. JOHNS COUNTY TANDEM TRANSPORT BID SPECIFICATION

	Description
Vehicle Configuration	2019 MODEL YEAR SPECIFIED SET FORWARD AXLE - TRACTOR LH PRIMARY STEERING LOCATION
General Service	TRACTOR/TRAILER CONFIGURATION DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES) HEAVY HAUL SERVICE CONSTRUCTION BUSINESS SEGMENT HEAVY EQUIPMENT COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN- TRANSIT (BETWEEN SITES) ROAD SURFACE OEM VOCATIONAL WARRANTY EXPECTED FRONT AXLE(S) LOAD : 13200.0 lbs EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 59200.0 lbs EXPECTED GROSS COMBINATION WEIGHT : 100000.0 lbs
Tractor Service	LOWBOY TRAILER

Engine	Description
	15L ENGINE WITH MINIMUM 560HP AND 1850LB/FT
Electronic Parameters	
	75 MPH ROAD SPEED LIMIT CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT, WITH AUTO RESUME AFTER SHIFT PTO MODE ENGINE RPM LIMIT - 1400 RPM PTO SPEED LIMIT 5 MPH PTO MODE COOLING FAN ENABLE ENGINE BRAKE WITH CRUISE CONTROL ENABLED AT 2 MPH ABOVE SET SPEED, 2 MPH INCREMENT BETWEEN BRAKING LEVELS
Engine Equipment	
	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION OR TO MEET CURRENT YEAR CERTIFICATIONS 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR) STANDARD OIL PAN ENGINE MOUNTED OIL CHECK AND FILL ONE PIECE VALVE COVER EXTERIOR STAINLESS STEEL 13 INCH DONALDSON COWL MOUNTED 1-STAGE AIR CLEANERS WITH POLISHED STAINLESS STEEL BANDS REQUIRED DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE (3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES STACK BATTERY BOX SINGLE BATTERY BOX FRAME MOUNTED RH SIDE UNDER CAB WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN NON-POLISHED BATTERY BOX COVER EATON FULLER ECA CLUTCH ZERK FITTING WITH EXTENSION HOSE AT CLUTCH RELEASE BEARING ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM JACOBS COMPRESSION BRAKE

Description

RH OUTBOARD UNDER STEP
MOUNTED HORIZONTAL
AFTERTREATMENT SYSTEM
ASSEMBLY WITH DUAL CAB
MOUNTED CONNECTED VERTICAL
TAILPIPES REQUIRED
ENGINE AFTERTREATMENT DEVICE,
AUTOMATIC OVER THE ROAD
REGENERATION AND DASH MOUNTED
REGENERATION REQUEST SWITCH
12 FOOT 00 INCH (144 INCH+0/-5.9 INCH)
EXHAUST SYSTEM HEIGHT
DUAL CURVED VERTICAL TAILPIPES
B-PILLAR MOUNTED
23 GALLON DIESEL EXHAUST FLUID
TANK
100 PERCENT DIESEL EXHAUST FLUID
FILL
NON-POLISHED ALUMINUM DIESEL
EXHAUST FLUID TANK COVER
OVAL PERFORATED DUAL STAINLESS
STEEL MUFFLER/TAILOPIPE SHIELDS
HORTON 2-SPEED DRIVEMASTER
ADVANTAGE POLAREXTREME FAN
DRIVE
AUTOMATIC FAN CONTROL WITHOUT
DASH SWITCH, NON ENGINE MOUNTED
ENGINE MOUNTED FUEL FILTER/FUEL
WATER SEPARATOR WITH WATER-IN-
FUEL INDICATOR
FULL FLOW OIL FILTER
MINIMUM 1750 SQUARE INCH
COPPER/BRASS RADIATOR REQUIRED
MOUNTING FOR FIREWALL MOUNTED
SURGE TANK
ANTIFREEZE TO -34F, OAT (NITRITE
AND SILICATE FREE) EXTENDED LIFE
COOLANT
GATES BLUE STRIPE COOLANT HOSES
OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS
FOR COOLANT HOSES
FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
DELCO 12V MOD 3.175-39MT+ OCP
STARTER WITH THERMAL
PROTECTION AND INTEGRATED
MAGNETIC SWITCH
CAST IRON FRONT AND REAR ENGINE
SUPPORTS

Transmission

EATON FULLER FO-18E313A-MHP
ULTRASHIFT PLUS TRANSMISSION

Description

Transmission Equipment

PUSH BUTTON ELECTRONIC SHIFT
CONTROL, DASH MOUNTED; NO FLOOR
MOUNTING
AIR TO OIL TRANSMISSION COOLER
SYNTHETIC TRANSMISSION LUBE

Front Axle and Equipment

MFS-13-143A 13,300# FFI 71.5 INCH
KPI/3.74 INCH DROP SINGLE FRONT
AXLE
MERITOR 16.5X5 Q+ CAST SPIDER CAM
FRONT BRAKES, DOUBLE ANCHOR,
FABRICATED SHOES
2011/2013-FMVSS 121 RSD FRONT
BRAKE LINING
STANDARD SPINDLE NUTS FOR ALL
AXLES
MERITOR AUTOMATIC FRONT SLACK
ADJUSTERS
TRW THP-60 POWER STEERING
POWER STEERING PUMP
4 QUART POWER STEERING
RESERVOIR
SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

14,600# TAPERLEAF FRONT
SUSPENSION
THREADED SPRING PINS AND
BUSHINGS - FRONT SUSPENSION
ALUMINUM SPACER BLOCKS FOR
FRONT SUSPENSIONS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-46-164P 46,000# R-SERIES TANDEM
REAR AXLE
3.58 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH
STANDARD AXLE HOUSING
SPL250HD XL DANA SPICER MAIN
DRIVELINE WITH HALF ROUND YOKES
SPL170 XL DANA SPICER INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - BOTH TANDEM REAR
AXLES
(1) INTERAXLE LOCK VALVE, (1)
DRIVER CONTROLLED DIFFERENTIAL
LOCK FORWARD-REAR AXLE VALVE
AND (1) REAR-REAR AXLE VALVE
INDICATOR LIGHT FOR EACH
INTERAXLE LOCKOUT SWITCH
INDICATOR LIGHT FOR EACH DRIVER
CONTROLLED TRACTION DEVICE
SWITCH

Description

MERITOR 16.5X8.62 Q+ CAST SPIDER
CAM REAR BRAKES, DOUBLE ANCHOR,
FABRICATED SHOES
2011/2013-FMVSS 121 RSD REAR BRAKE
LININGS
MERITOR AUTOMATIC REAR SLACK
ADJUSTERS
SYNTHETIC 75W-90 REAR AXLE LUBE
STANDARD REAR AXLE BREATHER(S)

Rear Suspension

AIR 46,000# REAR SUSPENSION
WELDED AXLE SEATS SUPPLIED ON
REAR AXLE
51 INCH AXLE SPACING
MANUAL DUMP VALVE FOR AIR
SUSPENSION WITH INDICATOR LIGHT
AND GAUGE
DUAL AIR REAR SUSPENSION
LEVELING VALVES
TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO
AXLES (TANDEM) (AIR RIDE
SUSPENSION)

Brake System

WABCO 4S/4M ABS WITH HILL START
AID AND AUTOMATIC TRACTION
CONTROL WITH ATC SHUT OFF
SWITCH
REINFORCED NYLON AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
COMBINATION ABS/SERVICE BRAKE
VALVE WITH ATC, 5.5 PSI CRACK
PRESSURE
BW AD-9SI BRAKE LINE AIR DRYER
WITH HEATER
BENDIX OIL COALESCING FILTER FOR
AIR DRYER
AIR DRYER MOUNTED INBOARD ON LH
RAIL
PULL CABLES ON ALL AIR
RESERVOIR(S)

Trailer Connections

20 FOOT STRAIGHT TRAILER AIR HOSE
(3) 50 INCH BRUSHED ALUMINUM
FLEXASTICKS MOUNTED ON DECK
PLATE
DUAL AIR CONNECTIONS BACK OF
CAB AND TO END OF FRAME
COMBINATION DUMMY GLAD HANDS
AND LIGHT PLUG HOLDER
PRIMARY CONNECTOR/RECEPTACLE
WIRED FOR SEPARATE STOP/TURN,
ABS CENTER PIN POWERED THROUGH
IGNITION

Description

SAE J560 7-WAY PRIMARY TRAILER
CABLE RECEPTACLE FRAME
MOUNTED AFT CAB
SUPPLEMENTAL RECEPTACLE WIRING
FOR THIRD AXLE LIFT
SUPPLEMENTAL J560 7-WAY
RECEPTACLE LOCATED WITH
PRIMARY RECEPTACLE
20 FOOT DETACHABLE STRAIGHT
PRIMARY TRAILER ELECTRICAL
CABLE WITH SAE J560 CONNECTOR

Wheelbase & Frame

SHORTEST WHEELBASE POSSIBLE NOT
TO EXCEED 218 IN
3/8X3-1/2X10-3/4 INCH STEEL FRAME
120KSI
FLANGED TAPERED END OF FRAME
PINTLE HITCH AT END OF FRAME
WITH GLADHANDS
EXTRA HEAVY DUTY CROSSMEMBERS
WITH END OF FRAME CROSSMEMBER
REINFORCED

Chassis Equipment

LH AND RH BACK OF CAB ACCESS,
GRAB HANDLES WITH SINGLE RUBBER
INSERT
DECK PLATE FROM HEADRACK TO
FIFTH WHEEL
16 INCH CHROMED STEEL BUMPER
NON REMOVABLE CENTERED FRONT
TOW PIN FOR HIGHWAY OR
CONSTRUCTION BUMPER
BUMPER MOUNTING FOR SINGLE
LICENSE PLATE
BETTS B-23 PAINTED COILED
MUDFLAP BRACKETS
BLACK MUDFLAPS
FENDER MOUNTED FRONT MUDFLAPS
GRADE 8 THREADED HEX HEADED
FRAME FASTENERS
KONETA ULTRA RUBBER BLACK
QUARTER FENDERS
STACK LONG TOOL BOX; CAB WIDTH
SINGLE TOOL/STORAGE BOX #1 FRAME
MOUNTED LH SIDE UNDER CAB
AIR PIPING AND ELECTRICAL
INDEPENDENTLY CLIPPED TO THE
FRAME

Fifth Wheel

HOLLAND FW2570 EXTRA CAPACITY
41.3 INCH AIR SLIDE FIFTH WHEEL - 1.5
INCH SLIDE INCREMENTS
FIFTH WHEEL 919MM (36.2 INCHES)
AHEAD OF SUSPENSION CENTERLINE

Description

216MM (8.50 INCH) FIFTH WHEEL
HEIGHT
INBOARD ANGLE - FIFTH WHEEL
MOUNTING
DASH MOUNTED CONTROL VALVE
AND PLUMBING FOR FIFTH WHEEL
LH FIFTH WHEEL RELEASE

Fuel Tanks

100 GALLON SPLIT ALUMINUM
FUEL/HYDRAULIC TANK RH, 60/40;
WITH HYDRAULIC TANK ON THE
FORWARD PORTION OF THE TANK
100 GALLON/453 LITER ALUMINUM
FUEL TANK - LH
23 INCH DIAMETER FUEL TANK(S)
LH ADDITIONAL STEEL FUEL TANK
BRACKET(S) WITH SEVERE SERVICE
STRAPS
RH ADDITIONAL STEEL FUEL TANK
BRACKET(S) WITH SEVERE SERVICE
STRAPS
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH
POLISHED STAINLESS STEEL BANDS
FUEL TANK(S) AFT
LH AND RH FULL LENGTH FUEL TANK
STEPS REQUIRED
PLAIN STEP FINISH
FUEL TANK COMPRESSION BRACE
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED
NYLON FUEL LINE
NO FUEL COOLER
IN TANK FUEL LEVEL SENDER(S)

Tires

MICHELIN XZE2 11R24.5 16 PLY RADIAL
FRONT TIRES
MICHELIN XDN2 11R24.5 16 PLY
RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS PREMIUM
ALUMINUM FRONT HUBS
CONMET PRESET PLUS PREMIUM
ALUMINUM REAR HUBS

Wheels

ALCOA ULTRA ONE 98U63X 24.5X8.25
10-HUB PILOT 5.77 INSET ALUMINUM
DISC FRONT WHEELS
ALCOA ULTRA ONE 98U63X 24.5X8.25
10-HUB PILOT ALUMINUM REAR
WHEELS
FRONT WHEEL MOUNTING NUTS

Description

REAR WHEEL MOUNTING NUTS

Cab Exterior

MINIMUM 123 INCH BBC STEEL
CONVENTIONAL CAB
PAINTED ALUMINUM CAB SKIRT
AIR CAB MOUNTS WITH CHECK VALVE
NONREMOVABLE BUGSCREEN
MOUNTED BEHIND GRILLE
LARGE PROFILE FRONT FENDER
LH AND RH EXTERIOR GRAB HANDLES
WITH RUBBER INSERT AND LH AND RH
INTERIOR GRAB HANDLES MOUNTED
TO A POST
STAINLESS STEEL RADIATOR
SHELL/HOOD BEZEL WITH STYLIZED
TILT HOOD HANDLE
HOOD MOUNTED ALUMINUM GRILLE
GALVANEALD STEEL SEVERE
SERVICE CAB
ONE PIECE FIBERGLASS HOOD
SEVERE DUTY COPPER/BRASS
RADIATOR HOOD MOUNTING
DUAL HADLEY SD-978 26 INCH
RECTANGULAR AIR HORNS
SINGLE ELECTRIC HORN
DUAL HORN SHIELDS
DOORS AND IGNITION KEYED THE
SAME (4 KEYS)
DUAL RECTANGULAR LED
HEADLIGHTS
LED CHROME BULLET MARKER
LIGHTS
DAYTIME RUNNING LIGHTS WITH
ROCKER/TOGGLE MOMENTARY
INTERRUPTER SWITCH
LED STOP/TAIL/TURN WITH LED
BACKUP LIGHTS MOUNTED IN BOXES
OUTBOARD OF RAILS
LED SQUARE CHROME FENDER
MOUNTED FRONT TURN SIGNALS
REQUIRED CAB MOUNTED MIRRORS,
LH AND RH REMOTE AND INTEGRAL
CONVEX MIRRORS
102 INCH EQUIPMENT WIDTH
BRIGHT FINISH HEATED CONVEX
MIRRORS WITH MANUAL
ADJUSTMENT AND DUAL AXIS FOR 1-
PIECE PRIMARY MIRRORS
NO AUXILIARY MIRROR
STANDARD SIDE/REAR REFLECTORS
REAR REFLECTIVE DEVICE
ELECTRIC DOOR LOCKS
DUAL LEVEL CAB ENTRY STEPS ON
BOTH SIDES
STAINLESS STEEL EXTERIOR SUN
VISOR
17.5X35 INCH TINTED REAR WINDOW
TINTED DOOR GLASS

Description

RH AND LH ELECTRIC POWERED
WINDOWS
LOWER RH DOOR WINDOW WITH
FRESNEL LENS
2-PIECE TINTED CURVED GASKET
MOUNTED WINDSHIELD
1.5 GALLON WINDSHIELD WASHER
RESERVOIR MOUNTED UNDER CAB
WITH REMOTE FILL

Cab Interior

BLACK VINYL PREMIUM INTERIOR
BLACK HARD TRIM
BASE LEFT HAND DOOR TRIM
BASE RIGHT HAND DOOR TRIM
BLACK MATS WITH DOUBLE
INSULATION REQUIRED FOR HEAT
AND NOISE REJECTION
DASH MOUNTED ASH TRAY AND
LIGHTER, DRIVER SIDE
FORWARD ROOF MOUNTED CONSOLE
PASSENGER SIDE WING DASH
MOUNTED GLOVE BOX WITH LOCKING
DOOR
BETWEEN SEATS CONSOLE WITH COIN
TRAY, CB BIN, STORAGE BIN AND CUP
AND THERMOS HOLDER
14"X7.75" DOCUMENT POUCH
MOUNTED ON BACK WALL BETWEEN
SEATS
LH AND RH DOOR MAP POCKETS
(2) COAT HOOKS ON BACKWALL OF
CAB
(1) DOUBLE CUP HOLDER WITH CELL
PHONE HOLDER LH OR RH DASH
BLACK SOFT TOUCH WING DASH WITH
DRIVER SIDE COSMETIC UNDER DASH
COVER
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR
CONDITIONER WITH CONSTANT
TEMPERATURE CONTROL AND
COSMETIC COVER
HVAC DUCTING WITH MAIN FRESH AIR
FILTER
STANDARD HEATER PLUMBING WITH
BALL SHUTOFF VALVES AT SUPPLY
LINES ONLY
ADDITIONAL CAB SIDEWALL
INSULATION FOR HEAT AND NOISE
REJECTION
AUTOMATIC SELF-RESET CIRCUIT
BREAKER IN MAIN DASH POWER
DISTRIBUTION BOX AND CIRCUIT
BREAKER/FUSE IN AUXILIARY POWER
DISTRIBUTION BOXES

Description

DOOR ACTIVATED DOME LIGHT,
UNDER DASH LIGHT WITH LH AND RH
DOOR MOUNTED COURTESY LIGHTS
AND LH AND RH READING LIGHTS
LH AND RH ELECTRIC DOOR LOCKS
BRIGHT DOOR HANDLES
(2) 12 VOLT POWER RECEPTACLES
MOUNTED IN DASH
TRIANGULAR REFLECTORS KIT
WITHOUT FLARES SHIPPED LOOSE IN
CAB
PREMIUM HIGH BACK AIR
SUSPENSION DRIVER SEAT WITH 3
CHAMBER AIR LUMBAR, INTEGRATED
CUSHION EXTENSION, FORWARD AND
REAR CUSHION TILT, ADJUSTABLE
SHOCK ABSORBER
BASIC HIGH BACK NON SUSPENSION
TOOL BOX PASSENGER SEAT
DUAL DRIVER SEAT ARMRESTS, NO
PASSENGER SEAT ARMRESTS
BLACK VINYL DRIVER SEAT COVER
BLACK VINYL PASSENGER SEAT
COVER
3 POINT HIGH VISIBILITY ORANGE
RETRACTOR DRIVER AND PASSENGER
SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN
2-SPOKE 18 INCH (450MM) BLACK
LEATHER WRAPPED STEERING WHEEL
DRIVER AND PASSENGER INTERIOR,
SUN VISORS

Instruments & Controls

NON-ADJUSTABLE SUSPENDED
PEDALS
BLACK DRIVER INSTRUMENT PANEL
BLACK CENTER INSTRUMENT PANEL
GAUGES WITH BRIGHT BEZELS
(1) TRACTOR AND (1) TRAILER BRAKE
APPLICATION AIR GAUGE
2 INCH PRIMARY AND SECONDARY
AIR PRESSURE GAUGES
DASH MOUNTED AIR RESTRICTION
GAUGE
CRUISE CONTROL SWITCHES IN THE
CENTER PANEL
KEY OPERATED IGNITION SWITCH
AND INTEGRAL START POSITION; 4
POSITION OFF/RUN/START/ACCESSORY
DATASTAR DRIVER DISPLAY AND
WARNING LAMP/LIGHT BAR DISPLAY,
NON-DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED
BELOW LH DASH
2 INCH ELECTRIC FUEL GAUGE
FUEL FILTER RESTRICTION INDICATOR

Description

EMISSIONS LIMITED IDLE ADJUST
DUAL REAR AXLE TEMPERATURE
GAUGES WITH SENSOR SHIELD
ELECTRICAL ENGINE COOLANT
TEMPERATURE GAUGE
ENGINE OIL TEMPERATURE GAUGE
2 INCH TRANSMISSION OIL
TEMPERATURE GAUGE
DASH MOUNTED PTO CONTROLS WITH
INDICATOR LIGHT AND PARK BRAKE
INTERLOCK
ELECTRIC ENGINE OIL PRESSURE
GAUGE
TOP OF DASH NAVIGATION PREP WITH
POWER AND GROUND
AM/FM/WB WORLD TUNER RADIO
WITH BLUETOOTH AND USB AND
AUXILIARY INPUTS, J1939
ROOF/OVERHEAD CONSOLE MOUNTED
RADIO
(4) RADIO SPEAKERS IN CAB
NO CB RADIO
MULTI-BAND AM/FM/WB/CB DUAL
MIRROR MOUNTED ANTENNA SYSTEM
ELECTRONIC MPH SPEEDOMETER
WITH SECONDARY KPH SCALE, WITH
ODOMETER
ELECTRONIC 3000 RPM TACHOMETER
WITH HOUR METER
5 YEARS ENGINE DIAGNOSTIC
SUBSCRIPTION
IGNITION SWITCH CONTROLLED
ENGINE STOP
TRAILER HAND CONTROL BRAKE
VALVE
2 INCH TURBO AIR PRESSURE GAUGE
2 INCH VOLTMETER
SINGLE ELECTRIC WINDSHIELD WIPER
MOTOR WITH DELAY
CAB/TRAILER MARKER LIGHT SWITCH
WITH SEPARATE HEADLIGHT SWITCH
AND INTERRUPT SWITCH FOR TRAILER
MARKER LIGHTS
TWO VALVE PARKING BRAKE SYSTEM
WITH DASH VALVE CONTROL
AUTONEUTRAL AND WARNING
INDICATOR
SELF CANCELING TURN SIGNAL
SWITCH WITH INTEGRAL HEADLAMP
DIMMER WITH BRAKE OVERRIDE
PACIFIC INSIGHT ELECTRONIC
FLASHER

Design

PAINT: ONE SOLID COLOR

Color	Description
	CAB COLOR A: WHITE PPG BASE/CLEAR CAB INTERIOR PAINTED SAME AS CAB COLOR BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

Certification / Compliance	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
----------------------------	--

Dealer Installed Options	FULL CAB WIDTH ALUMINUM HEADRACK WITH TAB IN THE CENTER FOR FULL LED 60" WIDE LIGHT BAR WITH CLEAR LENSE, AMBER FLASHERS, FRONT AND REAR WHITE TAKE DOWN LIGHTS AND WHITE SIDE ALLEY LIGHTS, (2) REAR FACING SPOT LIGHTS MOUNTED WIDE, STOP/TURN LIGHTS IN TOP OF HEAD RACK AT SIDES, ADDITIONAL SPOT LIGHTS MOUNTED TOWARDS THE CENTER, WINDOW, CHAIN HANGERS WITH RUBBER MATTING MOUNTED BEHIND, TRAY ON LH AND RH SIDES, LOCKABLE TOOL BOX MOUNTED BETWEEN THE MOUNTING LEGS; ALL LIGHTING LED COMBO WET KIT FOR LOWBOY TRAILER AND END DUMP TRAILER
--------------------------	--

*** ALL LIGHTING NEEDS TO BE LED

Factory Option	NEED QUOTE FOR DISC BRAKE OPTION ON DRIVE AXLES AND STEER AXLE IN LIEU OF DRUM BRAKES
----------------	--

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Bid No. 18-47 Semi-Tractor Truck for the Road & Bridge Department

S P E C I F I C A T I O N P R O P O S A L

Description	
Price Level	
	WESTERN STAR PRL-17W (EFF:11/14/17)
Data Version	
	SPECPRO21 DATA RELEASE VER.013
Vehicle Configuration	
	WESTERN STAR 4900FA CHASSIS 2019 MODEL YEAR SPECIFIED SET FORWARD AXLE - TRACTOR LH PRIMARY STEERING LOCATION
General Service	
	TRACTOR/TRAILER CONFIGURATION DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES) HEAVY HAUL SERVICE CONSTRUCTION BUSINESS SEGMENT HEAVY EQUIPMENT COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE WESTERN STAR VOCATIONAL WARRANTY EXPECTED FRONT AXLE(S) LOAD : 13200.0 lbs EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 59200.0 lbs EXPECTED GROSS COMBINATION WEIGHT : 100000.0 lbs



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

Tractor Service

LOWBOY TRAILER

Engine

DETROIT DD16 15.6L 560 HP @ 1800 RPM, 2080
GOV RPM, 1850 LB/FT @ 1120 RPM

Electronic Parameters

75 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD
SPEED LIMIT, WITH AUTO RESUME AFTER
SHIFT
PTO MODE ENGINE RPM LIMIT - 1400 RPM
PTO MODE BRAKE OVERRIDE - SERVICE
BRAKE APPLIED OR PARK BRAKE NOT APPLIED
PTO RPM WITH CRUISE SET SWITCH - 900 RPM
PTO RPM WITH CRUISE RESUME SWITCH - 1000
RPM
PTO MODE COOLING FAN ENABLE
PTO MODE RPM INCREMENT - 25 RPM
ONE REMOTE PTO SPEED
REMOTE PTO SPEED 1 SETTING - 1000 RPM
ENGINE BRAKE WITH CRUISE CONTROL
ENABLED AT 2 MPH ABOVE SET SPEED, 2 MPH
INCREMENT BETWEEN BRAKING LEVELS
PTO MINIMUM RPM - 900
ENABLE AUTO ENGINE RPM ELEVATE FOR
EXTENDED IDLE

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010
EPA/CARB/FINAL GHG17 CONFIGURATION
2008 CARB EMISSION CERTIFICATION - CLEAN
IDLE (INCLUDES 6X4 INCH LABEL ON LOWER
FORWARD CORNER OF DRIVER DOOR)
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
DUAL POLISHED STAINLESS STEEL 13 INCH
DONALDSON COWL MOUNTED 1-STAGE AIR
CLEANERS WITH POLISHED STAINLESS STEEL
BANDS
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD
ALTERNATOR WITH REMOTE BATTERY VOLT
SENSE



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

(3) ALLIANCE MODEL 1231XOE, GROUP 31, 12
VOLT MAINTENANCE FREE 3375 CCA
THREADED STUD BATTERIES
STACK BATTERY BOX
SINGLE BATTERY BOX FRAME MOUNTED RH
SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER
EATON FULLER ECA CLUTCH
ZERK FITTING WITH EXTENSION HOSE AT
CLUTCH RELEASE BEARING
BW MODEL BA-921 19.0 CFM SINGLE CYLINDER
AIR COMPRESSOR WITH SAFETY VALVE
AIR COMPRESSOR DISCHARGE LINE
ELECTRONIC ENGINE INTEGRAL SHUTDOWN
PROTECTION SYSTEM
JACOBS COMPRESSION BRAKE
RH OUTBOARD UNDER STEP MOUNTED
HORIZONTAL AFTERTREATMENT SYSTEM
ASSEMBLY WITH DUAL CAB MOUNTED
VERTICAL TAILPIPES
ENGINE AFTERTREATMENT DEVICE,
AUTOMATIC OVER THE ROAD REGENERATION
AND DASH MOUNTED REGENERATION
REQUEST SWITCH
12 FOOT 00 INCH (144 INCH+0/-5.9 INCH)
EXHAUST SYSTEM HEIGHT
DUAL CURVED VERTICAL TAILPIPES B-PILLAR
MOUNTED
23 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
NON-POLISHED ALUMINUM DIESEL EXHAUST
FLUID TANK COVER
LH HEAVY DUTY STANDARD DIESEL EXHAUST
FLUID TANK LOCATION
STANDARD DIESEL EXHAUST FLUID TANK CAP
OVAL PERFORATED DUAL STAINLESS STEEL
MUFFLER/TAIPIPE SHIELDS WITH WESTERN
STAR LOGO
HORTON 2-SPEED DRIVEMASTER ADVANTAGE
POLAREXTREME FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH
SWITCH, NON ENGINE MOUNTED



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

DDC SUPPLIED ENGINE MOUNTED FUEL
FILTER/FUEL WATER SEPARATOR WITH
WATER-IN-FUEL INDICATOR
FULL FLOW OIL FILTER
1750 SQUARE INCH COPPER/BRASS RADIATOR
MOUNTING FOR FIREWALL MOUNTED SURGE
TANK
ANTIFREEZE TO -34F, OAT (NITRITE AND
SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR
COOLANT HOSES
HDEP FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
DELCO 12V MOD 3.175-39MT+ OCP STARTER
WITH THERMAL PROTECTION AND
INTEGRATED MAGNETIC SWITCH
CAST IRON FRONT AND REAR ENGINE
SUPPORTS

Transmission

EATON FULLER FO-18E313A-MHP ULTRASHIFT
PLUS TRANSMISSION

Transmission Equipment

ELECTRONIC TRANSMISSION CUSTOMER
ACCESS CONNECTOR FIREWALL MOUNTED
ALUMINUM CLUTCH HOUSING
CUSTOMER INSTALLED CHELSEA 489 SERIES
PTO
PTO MOUNTING, BOTTOM OF MAIN
TRANSMISSION
PUSH BUTTON ELECTRONIC SHIFT CONTROL,
DASH MOUNTED
AIR TO OIL TRANSMISSION COOLER
SYNTHETIC TRANSMISSION LUBE

Front Axle and Equipment

MFS-13-143A 13,300# FF1 71.5 INCH KPI/3.74
INCH DROP SINGLE FRONT AXLE
MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES
2011/2013-FMVSS 121 RSD FRONT BRAKE
LINING

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
600 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

CONMET CAST IRON FRONT BRAKE DRUMS
FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW,
CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
MERITOR AUTOMATIC FRONT SLACK
ADJUSTERS
TRW THP-60 POWER STEERING
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

14,600# TAPERLEAF FRONT SUSPENSION
THREADED SPRING PINS AND BUSHINGS -
FRONT SUSPENSION
ALUMINUM SPACER BLOCKS FOR FRONT
SUSPENSIONS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-46-164P 46,000# R-SERIES TANDEM REAR
AXLE
3.58 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD
AXLE HOUSING
SPL250HD XL DANA SPICER MAIN DRIVELINE
WITH HALF ROUND YOKES
SPL170 XL DANA SPICER INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - BOTH TANDEM REAR AXLES
(1) INTERAXLE LOCK VALVE, (1) DRIVER
CONTROLLED DIFFERENTIAL LOCK FORWARD-
REAR AXLE VALVE AND (1) REAR-REAR AXLE
VALVE
INDICATOR LIGHT FOR EACH INTERAXLE
LOCKOUT SWITCH
INDICATOR LIGHT FOR EACH DRIVER
CONTROLLED TRACTION DEVICE SWITCH
MERITOR 16.5X8.62.Q+ CAST SPIDER CAM
REAR BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES
2011/2013-FMVSS 121 RSD REAR BRAKE
LININGS

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

BRAKE CAMS AND CHAMBERS ON FORWARD
SIDE OF DRIVE AXLE(S) WITH AUXILIARY
SUPPORT BRACKETS
CONMET CAST IRON REAR BRAKE DRUMS
REAR OIL SEALS
WABCO TRISTOP D LONGSTROKE 2-DRIVE
AXLE SPRING PARKING CHAMBERS
MERITOR AUTOMATIC REAR SLACK
ADJUSTERS
SYNTHETIC 75W-90 REAR AXLE LUBE
STANDARD REAR AXLE BREATHER(S)

Rear Suspension

AIRLINER 46,000# REAR SUSPENSION
AIRLINER HIGH POSITION RIDE HEIGHT
WELDED AXLE SEATS SUPPLIED ON REAR
AXLE
51 INCH AXLE SPACING
MANUAL DUMP VALVE FOR AIR SUSPENSION
WITH INDICATOR LIGHT AND GAUGE
DUAL AIR REAR SUSPENSION LEVELING
VALVES
TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO AXLES
(TANDEM) (AIR RIDE SUSPENSION)

Brake System

WABCO 4S/4M ABS WITH HILL START AID AND
AUTOMATIC TRACTION CONTROL WITH ATC
SHUT OFF SWITCH
REINFORCED NYLON AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
COMBINATION ABS/SERVICE BRAKE VALVE
WITH ATC, 5.5 PSI CRACK PRESSURE
BW AD-9SI BRAKE LINE AIR DRYER WITH
HEATER
BENDIX OIL COALESCING FILTER FOR AIR
DRYER
AIR DRYER MOUNTED INBOARD ON LH RAIL
STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR
TORPEDO TANKS
PULL CABLES ON ALL AIR RESERVOIR(S)

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

Trailer Connections

15 FOOT DETACHABLE COILED TRAILER AIR HOSE WITH 48 INCH TRACTOR, 12 INCH TRAILER LEADS

50 INCH BRUSHED ALUMINUM FLEXASTICK MOUNTED ON DECK PLATE

MOUNTED 30" AFT OF CAB

TRAILER GLAD HANDS AT BACK OF CAB AND END OF FRAME PLUMBED TO OPERATE ONE CONNECTION LOCATION AT A TIME

COMBINATION DUMMY GLAD HANDS AND LIGHT PLUG HOLDER

PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION

SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME

SUPPLEMENTAL RECEPTACLE WIRING FOR THIRD AXLE LIFT

SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE

7-WAY RECEPTACLE BACK OF CAB (IN ADDITION TO STANDARD)

ADDITIONAL SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH ADDITIONAL PRIMARY RECEPTACLE

16 FOOT DETACHABLE STRAIGHT PRIMARY TRAILER ELECTRICAL CABLE WITH SAE J560 CONNECTOR

Wheelbase & Frame

5425MM (214 INCH) WHEELBASE

3/8X3-1/2X10-3/4 INCH STEEL FRAME 120KSI

1450MM (57 INCH) REAR FRAME OVERHANG

FRAME OVERHANG RANGE: 51 INCH TO 60 INCH

CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 124.0 in

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 118.28 in

CALC'D FRAME LENGTH - OVERALL : 291.68

CALC'D SPACE AVAILABLE FOR DECKPLATE : 72.26 in

CALCULATED FRAME SPACE LH SIDE : 24.18 in

CALCULATED FRAME SPACE RH SIDE : 26.08 in



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

UNDERSLUNG CROSSMEMBER
FLANGED TAPERED END OF FRAME
HEAVY DUTY FRONT CLOSING CROSSMEMBER
EXTRA HEAVY DUTY STEEL C-CHANNEL
BOLTED CONSTRUCTION BACK OF
TRANSMISSION CROSSMEMBER
EXTRA HEAVY DUTY STEEL C-CHANNEL
BOLTED CONSTRUCTION MIDSHIP #1
CROSSMEMBER
HEAVY DUTY REAR CROSSMEMBER
STANDARD WEIGHT REAR SUSPENSION
FORWARD CROSSMEMBER
HEAVY DUTY SUSPENSION CENTER C-
CHANNEL CROSSMEMBER, BOLTED
CONSTRUCTION, FORWARD MOUNTED
CROSSMEMBER
EXTRA HEAVY DUTY STEEL C-CHANNEL
BOLTED CONSTRUCTION REAR MOUNTED
SUSPENSION CROSSMEMBER

Chassis Equipment

LH AND RH BACK OF CAB ACCESS, GRAB
HANDLES WITH SINGLE RUBBER INSERT
36 INCH (914MM) OPEN-GRATE TOP OF RAIL
DECK PLATE
NO FRAME MOUNTED STEPS
16 INCH CHROMED STEEL BUMPER
NON REMOVABLE CENTERED FRONT TOW PIN
FOR HIGHWAY OR CONSTRUCTION BUMPER
BUMPER MOUNTING FOR SINGLE LICENSE
PLATE
BETTS B-23 PAINTED COILED MUDFLAP
BRACKETS
WESTERN STAR LOGO BLACK MUDFLAPS
FENDER MOUNTED FRONT MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS
LIFETIME STAINLESS STEEL QUARTER
FENDERS WITH ETCHED WESTERN STAR LOGO
PLUS LOGO FLAP
STACK LONG TOOL BOX
SINGLE TOOL/STORAGE BOX #1 FRAME
MOUNTED LH SIDE UNDER CAB
AIR PIPING AND ELECTRICAL INDEPENDENTLY
CLIPPED TO THE FRAME



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

Fifth Wheel

HOLLAND FW70R/S 48 INCH SEVERE DUTY ILS
AIR SLIDE
FIFTH WHEEL 914MM (36.0 INCHES) AHEAD OF
SUSPENSION CENTERLINE
216MM (8.50 INCH) FIFTH WHEEL HEIGHT
OUTBOARD ANGLE - FIFTH WHEEL MOUNTING
DASH MOUNTED CONTROL VALVE AND
PLUMBING FOR FIFTH WHEEL
LH FIFTH WHEEL RELEASE

Fuel Tanks

100 GALLON SPLIT ALUMINUM
FUEL/HYDRAULIC TANK RH, 50/50
100 GALLON/378 LITER ALUMINUM FUEL TANK -
LH
23 INCH DIAMETER FUEL TANK(S)
LH ADDITIONAL STEEL FUEL TANK BRACKET(S)
WITH SEVERE SERVICE STRAPS
RH ADDITIONAL STEEL FUEL TANK BRACKET(S)
WITH SEVERE SERVICE STRAPS
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH POLISHED
STAINLESS STEEL BANDS
FUEL TANK(S) AFT
LH AND RH FULL LENGTH FUEL TANK STEPS
PLAIN STEP FINISH
FUEL TANK COMPRESSION BRACE
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON
FUEL LINE
NO FUEL COOLER
IN TANK FUEL LEVEL SENDER(S)

Tires

MICHELIN XZE2 11R24.5 16 PLY RADIAL FRONT
TIRES
MICHELIN X MULTI D 11R24.5 16 PLY RADIAL
REAR TIRES

Hubs

CONMET PRESET PLUS PREMIUM ALUMINUM
FRONT HUBS



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

CONMET PRESET PLUS PREMIUM ALUMINUM
REAR HUBS

Wheels

ALCOA ULTRA ONE 98U63X 24.5X8.25 10-HUB
PILOT 5.77 INSET ALUMINUM DISC FRONT
WHEELS

ALCOA ULTRA ONE 98U63X 24.5X8.25 10-HUB
PILOT ALUMINUM REAR WHEELS

FRONT WHEEL MOUNTING NUTS

REAR WHEEL MOUNTING NUTS

Cab Exterior

123 INCH BBC STEEL CONVENTIONAL CAB

WESTERN STAR PAINTED ALUMINUM CAB
SKIRT

AIR CAB MOUNTS WITH CHECK VALVE

NONREMOVABLE BUGSCREEN MOUNTED
BEHIND GRILLE

LARGE PROFILE FRONT FENDER

LH AND RH EXTERIOR GRAB HANDLES WITH
RUBBER INSERT AND LH AND RH INTERIOR
GRAB HANDLES MOUNTED TO A POST

STAINLESS STEEL RADIATOR SHELL/HOOD
BEZEL WITH STYLIZED TILT HOOD HANDLE

HOOD MOUNTED ALUMINUM GRILLE

GALVANEALD STEEL SEVERE SERVICE CAB

ONE PIECE FIBERGLASS HOOD

SEVERE DUTY COPPER/BRASS RADIATOR
HOOD MOUNTING

DUAL HADLEY SD-978 26 INCH RECTANGULAR
AIR HORNS

SINGLE ELECTRIC HORN

DUAL HORN SHIELDS

DOOR LOCKS AND IGNITION SWITCH KEYED
THE SAME WITH (4) KEYS

SWITCH, INDICATOR LIGHT AND WIRING FOR
(2) CUSTOMER FURNISHED BEACONS

DUAL RECTANGULAR LED HEADLIGHTS

LED CHROME BULLET MARKER LIGHTS

DAYTIME RUNNING LIGHTS WITH
ROCKER/TOGGLE MOMENTARY INTERRUPTER
SWITCH

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

LED STOP/TAIL WITH SEPARATE
INCANDESCENT BACKUP LIGHTS MOUNTED ON
POLISHED ALUMINUM PLATE END OF FRAME
LED SQUARE CHROME FENDER MOUNTED
FRONT TURN SIGNALS
(1) SWITCH WITH INDICATOR AND WIRING FOR
CUSTOMER FURNISHED UTILITY LAMP
MOUNTED BACK OF CAB/SLEEPER WITH 10
FOOT COILED CABLE
DUAL MEKRA AERO BRIGHT FINISH HEATED
DUAL AXIS 1-PIECE MOTORIZED MIRRORS
WITH LIGHTS, LH AND RH REMOTE AND
INTEGRAL CONVEX MIRRORS
CAB MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
DUAL MEKRA BRIGHT FINISH HEATED CONVEX
MIRRORS WITH MANUAL ADJUSTMENT AND
DUAL AXIS FOR 1-PIECE PRIMARY MIRRORS
NO AUXILIARY MIRROR
STANDARD SIDE/REAR REFLECTORS
REAR REFLECTIVE DEVICE
ELECTRIC DOOR LOCKS, MECHANICAL KEY
TUMBLER
DUAL LEVEL CAB ENTRY STEPS ON BOTH
SIDES
STAINLESS STEEL EXTERIOR SUN VISOR
17.5X35 INCH TINTED REAR WINDOW
TINTED DOOR GLASS
RH AND LH ELECTRIC POWERED WINDOWS
LOWER RH DOOR WINDOW WITH FRESNEL
LENS
2-PIECE TINTED CURVED GASKET MOUNTED
WINDSHIELD
1.5 GALLON WINDSHIELD WASHER RESERVOIR
MOUNTED UNDER CAB WITH REMOTE FILL

Cab Interior

NEW OBSIDIAN BLACK VINYL PREMIUM
INTERIOR
BLACK HARD TRIM
BASE LEFT HAND DOOR TRIM
BASE RIGHT HAND DOOR TRIM
BLACK MATS WITH DOUBLE INSULATION
DASH MOUNTED ASH TRAY AND LIGHTER,
DRIVER SIDE

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

FORWARD ROOF MOUNTED CONSOLE
PASSENGER SIDE WING DASH MOUNTED
GLOVE BOX WITH LOCKING DOOR
BETWEEN SEATS CONSOLE WITH COIN TRAY,
CB BIN, STORAGE BIN AND CUP AND THERMOS
HOLDER
14"X7.75" DOCUMENT POUCH MOUNTED ON
BACK WALL BETWEEN SEATS
LH AND RH DOOR MAP POCKETS
(2) COAT HOOKS ON BACKWALL OF CAB
(1) DOUBLE CUP HOLDER WITH CELL PHONE
HOLDER LH OR RH DASH
BLACK SOFT TOUCH WING DASH WITH DRIVER
SIDE COSMETIC UNDER DASH COVER
STANDARD WIRING
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR CONDITIONER
WITH CONSTANT TEMPERATURE CONTROL
AND COSMETIC COVER
HVAC DUCTING WITH MAIN FRESH AIR FILTER
STANDARD HEATER PLUMBING WITH BALL
SHUTOFF VALVES AT SUPPLY LINES ONLY
DENSO HEAVY DUTY AIR CONDITIONER
COMPRESSOR
RADIATOR MOUNTED AIR CONDITIONER
CONDENSER
ADDITIONAL CAB SIDEWALL INSULATION
AUTOMATIC SELF-RESET CIRCUIT BREAKER IN
MAIN DASH POWER DISTRIBUTION BOX AND
CIRCUIT BREAKER/FUSE IN AUXILIARY POWER
DISTRIBUTION BOXES
DOOR ACTIVATED DOME LIGHT, UNDER DASH
LIGHT WITH LH AND RH DOOR MOUNTED
COURTESY LIGHTS AND LH AND RH READING
LIGHTS
LH AND RH ELECTRIC DOOR LOCKS
BRIGHT DOOR HANDLES
(2) 12 VOLT POWER RECEPTACLES MOUNTED
IN DASH
TRIANGULAR REFLECTORS KIT WITHOUT
FLARES SHIPPED LOOSE IN CAB
PREMIUM HIGH BACK AIR SUSPENSION DRIVER
SEAT WITH 3 CHAMBER AIR LUMBAR,
INTEGRATED CUSHION EXTENSION, FORWARD
AND REAR CUSHION TILT, ADJUSTABLE SHOCK
ABSORBER



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

BASIC HIGH BACK NON SUSPENSION TOOL
BOX PASSENGER SEAT

DUAL DRIVER SEAT ARMRESTS, NO
PASSENGER SEAT ARMRESTS

BLACK VINYL DRIVER SEAT COVER
BLACK VINYL PASSENGER SEAT COVER

3 POINT HIGH VISIBILITY ORANGE RETRACTOR
DRIVER AND PASSENGER SEAT BELTS

ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN

2-SPOKE 18 INCH (450MM) BLACK LEATHER
WRAPPED STEERING WHEEL

DRIVER AND PASSENGER INTERIOR SUN
VISORS

Instruments & Controls

NON-ADJUSTABLE SUSPENDED PEDALS
BLACK DRIVER INSTRUMENT PANEL
BLACK CENTER INSTRUMENT PANEL
STAR GAUGES WITH BRIGHT BEZELS
(1) TRACTOR AND (1) TRAILER BRAKE
APPLICATION AIR GAUGE

2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES

DASH MOUNTED AIR RESTRICTION GAUGE

CRUISE CONTROL SWITCHES IN THE CENTER
PANEL

KEY OPERATED IGNITION SWITCH AND
INTEGRAL START POSITION; 4 POSITION
OFF/RUN/START/ACCESSORY

DATASTAR DRIVER DISPLAY AND WARNING
LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED

HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED BELOW LH
DASH

2 INCH ELECTRIC FUEL GAUGE

FUEL FILTER RESTRICTION INDICATOR

EMISSIONS LIMITED IDLE ADJUST

DUAL REAR AXLE TEMPERATURE GAUGES
WITH SENSOR SHIELD

ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE

ENGINE OIL TEMPERATURE GAUGE



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

2 INCH TRANSMISSION OIL TEMPERATURE
GAUGE
DASH MOUNTED PTO CONTROLS WITH
INDICATOR LIGHT AND PARK BRAKE
INTERLOCK
NO VEHICLE STABILITY ADVISOR OR CONTROL
ELECTRIC ENGINE OIL PRESSURE GAUGE
TOP OF DASH NAVIGATION PREP WITH POWER
AND GROUND
AM/FM/WB WORLD TUNER RADIO WITH
BLUETOOTH AND USB AND AUXILIARY INPUTS,
J1939
ROOF/OVERHEAD CONSOLE MOUNTED RADIO
(4) RADIO SPEAKERS IN CAB
POWER AND GROUND WIRING FOR CB RADIO
IN OVERHEAD CONSOLE
MULTI-BAND AM/FM/WB/CB DUAL MIRROR
MOUNTED ANTENNA SYSTEM
ELECTRONIC MPH SPEEDOMETER WITH
SECONDARY KPH SCALE, WITH ODOMETER
ELECTRONIC 3000 RPM TACHOMETER WITH
HOUR METER
VT-HU CONNECTIVITY PLATFORM HARDWARE
5 YEARS DETROIT CONNECT BASE PACKAGE
(VIRTUAL TECHNICIAN, DETROIT CONNECT
PORTAL ACCESS) FOR VT-HU CONNECTIVITY
PLATFORM
IGNITION SWITCH CONTROLLED ENGINE STOP
FOUR ON/OFF ROCKER SWITCHES IN THE
DASH WITH INDICATOR LIGHTS AND WIRE
ROUTED TO CHASSIS AT BACK OF CAB, LABEL
OPT
EXTERIOR HARNESSSES WRAPPED IN CONDUIT
BW TRACTOR PROTECTION VALVE
TRAILER HAND CONTROL BRAKE VALVE
2 INCH TURBO AIR PRESSURE GAUGE
2 INCH VOLTMETER
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
WITH DELAY
CAB/TRAILER MARKER LIGHT SWITCH WITH
SEPARATE HEADLIGHT SWITCH AND
INTERRUPT SWITCH FOR TRAILER MARKER
LIGHTS



Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Description

TWO VALVE PARKING BRAKE SYSTEM WITH
DASH VALVE CONTROL AUTONEUTRAL AND
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
INTEGRAL HEADLAMP DIMMER WITH BRAKE
OVERRIDE
PACIFIC INSIGHT ELECTRONIC FLASHER

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: HSB905935 WHITE PPG
BASE/CLEAR
CAB INTERIOR PAINTED SAME AS CAB COLOR
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT

Certification / Compliance

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

Secondary Factory Options

DEALER HAS BEEN ADVISED OF AND
ACCEPTED RESPONSIBILITY FOR
MODIFICATIONS DUE TO POSSIBLE
PTO/CHASSIS INTERFERENCE

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

Prepared for:
Purchasing Director
St Johns County Board of County
Commissioners
500 San Sebastian View
St Augustine, FL 32084
Phone: 904-209-0150

Prepared by:
Dustin Brigman
NORTH FLORIDA WESTERN STAR
5040 UNIVERSITY BLVD W
JACKSONVILLE, FL 32216
Phone: 904 861-0779

Dealer Installed Options

- FULL CAB WIDTH ALUMINUM HEADRACK
- TAB IN THE CENTER FOR FULL LED 60" WIDE LIGHT BAR WITH CLEAR LENSE, AMBER FLASHERS, FRONT AND REAR TAKE DOWN LIGHTS AND WHITE SIDE ALLEY LIGHTS
- (2) REAR FACING SPOT LIGHTS MOUNTED WIDE, STOP/TURN LIGHTS IN TOP OF HEAD RACK AT SIDES, ADDITIONAL SPOT LIGHTS MOUNTED TOWARDS THE CENTER
- HEAD RACK WINDOW, CHAIN HANGERS WITH RUBBER MATTING BEHIND, TRAY ON LH AND RH SIDES, LOCKABLE TOOLBOX MOUNTED BETWEEN THE MOUNTING LEGS
- COMBINATION WET KIT FOR LOW BOY AND END DUMP TRAILER
- PINTLE HITCH AT END OF FRAME WITH GLAD HANDS, REINFORCED (BOLT-ON) CROSSMEMBER ON TOP OF REAR FRAME

This bid spec meets or exceeds minimum specifications published by St Johns County.

Bid No: 18-47

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be received until 2:00 p.m. on Wednesday, February 28, 2018 by the St. Johns County Purchasing Department located at 500 San Sebastian View, St. Augustine, Florida 32084 for **Bid No: 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department.** Bids will be opened promptly after the 2:00 p.m. deadline. **Please note:** Bids delivered to or received by the Purchasing Department after the 2:00 p.m. deadline shall not be given consideration and shall be returned to the sender unopened.

Bid Documents may be obtained from Onvia DemandStar, Inc., at their website www.demandstar.com, by requesting Document # 18-47. For technical assistance with this Website please contact Onvia Supplier Services at 1-800-711-1712. A link to the Onvia DemandStar website is available through the St. Johns County Purchasing Website by clicking on the following link: <http://www.sjcfl.us/Purchasing/OpenBids.aspx>. Please check the County's site for download availability and any applicable fees. Bid Documents may also be requested, **in writing**, from David Klages, Procurement Coordinator, St. Johns County Purchasing Department, via email to dklages@sjcfl.us or fax to (904) 209-0167.

Any and all questions related to this purchase shall be directed, **in writing**, to David Klages, Procurement Coordinator, St. Johns County Purchasing Department, via email to dklages@sjcfl.us or fax to (904) 209-0167. Questions are due no later than **5:00 p.m. on Wednesday, February 14, 2018**, so that any necessary addenda may be issued in a timely manner. Any questions received after the deadline will not be answered unless previously approved by the SJC Purchasing Manager or other designated County Representative.

Any bidder, proposer or person substantially and adversely affected by an intended decision or by any term, condition, procedure or specification with respect to any bid, invitation, solicitation of proposals or requests for qualifications, shall file with the Purchasing Department for St. Johns County, a written notice of intent to protest no later than 72 hours (excluding Saturdays, Sundays and legal holidays for employees of St. Johns County) after the posting either electronically or by other means of the notice of intended action, notice of intended award, bid tabulation, publication by posting electronically or by other means of a procedure, specification, term or condition which the person intends to protest, or the right to protest such matter shall be waived. The protest procedures may be obtained from the Purchasing Department and are included in the County's Purchasing Manual. All of the terms and conditions of the County Purchasing Manual are incorporated by reference and are fully binding.

Vendors shall not contact, lobby, or otherwise communicate with any SJC employee, including any member of the Board of County Commissioners, other than the above referenced individual from the point of advertisement of the Bid until contract(s) are executed by all parties, per SJC Purchasing Code 304.6.5 "Procedures Concerning Lobbying". According to SJC policy, any such communication shall disqualify the vendor, contractor, or Contractor from responding to the subject invitation to bid, request for quote, request for proposal, invitation to negotiate, or request for qualifications. St. Johns County reserves the right to accept or reject any or all bids/proposals, waive minor formalities, and to award the bid/proposal that best serves the interests of St. Johns County. St. Johns County also reserves the right to award the base bid and any alternate bids in any combination that best suits the needs of the County.

St. Johns County reserves the right to accept or reject any or all bids/proposals, waive minor formalities, and to award the bid/proposal that best serves the interests of St. Johns County. St. Johns County also reserves the right to award the base bid and any alternate bids in any combination that best suits the needs of the County.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA
HUNTER S. CONRAD, CLERK
BY: _____

Deputy Clerk

**ST. JOHNS COUNTY
PURCHASING DEPARTMENT**

INSTRUCTIONS TO BIDDERS

These instructions will bind bidders to terms and conditions herein set forth, except as specifically qualified in special bid contract terms issued with any individual bid.

1. The following criteria are used in determining low responsible bidder:
 - A. The ability, capacity and skill of bidder to perform required service.
 - B. Whether bidder can perform service promptly or within specified time.
 - C. The character, integrity, reputation, judgement, experience and efficiency of bidder.
 - D. The performance of previous contracts with St. Johns County.
 - E. The suitability of equipment of material for county use.
 - F. The ability of bidder to provide future maintenance and parts service.
2. Payment terms are net thirty (30) days unless otherwise specified. Favorable terms and/or discounts may be offered and will be considered in determining low bids if they are deemed by the Purchasing Department as advantageous to the County.
3. All bids should be tabulated, totaled and checked for accuracy. Unit price will prevail in case of errors.
4. All requested information should be included in the bid envelope or your bid may not receive full consideration.
5. If anything of the bid request is not clear, bidders should contact the designated Point of Contact immediately.
6. A bidder's list is available by contacting the designated Point of Contact.
7. Quote all prices F.O.B. (Free On Board), our warehouse or as specified in bid documents.
8. Each proposal shall be clearly marked on the outside of the envelope with the following:
 - A. Sealed Bid Number
 - B. Name of Item Being Bid in Full
 - C. Vendor name and address
9. No Responsibility will attach to any County representative or employee for the premature opening of bid not properly addressed or identified.
10. If only one (1) bid is received, the bid may be rejected and re-advertised.
11. Bids received late will not be accepted and the County will not be responsible for late mail delivery; however, should a bid be misplaced by the County and found later, it will be considered.
12. Telephone and facsimile bids will not be acceptable in formal Sealed Bids openings.
13. Any bidder may request and shall receive a receipt showing the day and hour any bid is delivered to the appropriate office of the County from the personnel thereof.
14. All bidders must be recognized dealers in the materials of equipment specified and be qualified to advise in their application or use. A bidder may at any time be requested to satisfy the Purchasing Office and the County Administrator that he has the requisite organization, capital, plant, stock, ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.
15. Any alterations, erasures, additions or omissions of required information or any changes of specifications or bidding schedule is done at risk of the bidder. Any bid will be rejected that has a substantial variation. For example, a variation that affects the price, quality or delivery date (when delivery is required by a specific time).
16. When requested, samples will be furnished to the County free of expense, properly marked for identifications and accompanied by a list where there is more than one (1) sample. The County reserves the right to mutilate or destroy any sample submitted whenever it may be to the interest of the County to do so for the purpose of testing.

17. The County will reject any material, supplies or equipment that does not meet the specifications, even though the bidder lists the trade names or names of such material on the bid or price quotation form.
18. The unauthorized use of patented articles is done entirely at the risk of the successful bidder.
19. The ESTIMATED QUANTITY given in the specifications of advertisements is for the purpose of bidding ONLY. The County may purchase more or less than the estimated quantity and the vendor must not assume that such estimated quantity is part of the contract.
20. Only the latest model equipment, as evidenced by the manufacturer's current published literature will be considered. Obsolete models of equipment not in production will not be acceptable. The equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.
21. The successful bidder on motor vehicle equipment shall be required to furnish with the delivery of the vehicle a certificate of origin and any other appropriate documentation as required by the Florida Motor Vehicle Department.
22. Prospective bidders are required to examine the location of the proposed work or delivery and determine, in their own way, the difficulties, which are likely to be encountered in the prosecution of the same.
23. All materials, equipment and supplies shall be subjected to rigid inspection under the immediate supervision of the Purchasing Department, its designee and/or the department to which they are delivered. If defective material, equipment or supplies are discovered, the vendor shall remove or make good such material, equipment or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the vendor or release him from his obligation to perform and deliver to the County sound and satisfactory materials, equipment or supplies. The vendor agrees to pay the costs of all tests upon defective material, equipment or supplies or allow the cost to be deducted from any monies due him from the County.
24. Unless otherwise specified, the County reserves the right to award each item separately or on a lump sum basis, whichever is in the best interest of the County.
25. A contract may not be awarded to any corporation, firm or individual who is, from any cause, in arrears to the County or who has failed in former contracts with the County.
26. Reasonable grounds for supposing that any bidder is interested in more than one proposal for the same item will be considered sufficient cause for rejection of all proposals in which he is interested.
27. Submitting a proposal when the bidder intends to sublet the contract may be a cause for rejection of bids or cancellation of the contract by the County Administrator.
28. The County reserves the right to reject any or all bids or quotations, to waive any minor discrepancies in the bids for all bidders equally when deemed to be in the best interest of the County and to purchase any part, all or none of the materials, supplies or equipment specified.
29. Failure of the bidder to sign the bid or have the signature of any authorized representative or agent on the bid proposal in the space provided may be cause for rejection of the bid. Signature must be written in ink or indelible pencil. Typewritten or printed signatures will not be acceptable.
30. Any bidder may withdraw his bid at any time BEFORE the time set of opening of the bids. A bid may be withdrawn AFTER the bids are opened only with permission of the Purchasing Agent.
31. It is mutually understood and agreed that, if at any time, the Purchasing Department or designee shall be of the opinion that the contract, or any part thereof, is unnecessarily delayed or that the rate of progress or delivery is unsatisfactory or that the contractor is willfully violating any of the conditions or covenants of the agreement or is executing the same in bad faith, the Purchasing Agent or his designee shall have the power to notify the aforesaid contractor of the nature of the complaint. Notification shall constitute delivery of notice or letter to the address given in the proposal. If after three (3) working days of notification, the conditions are not corrected to the satisfaction of the Purchasing Agent, he shall thereupon have the power to take whatever

action he may deem necessary to complete the work or delivery herein described, or any part thereof, and the expense thereof, so charged, shall be deducted from any paid by the County out of such monies as may become due to the said contractor, under and by virtue of this agreement. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his executors, administrators, successors or assigns, shall pay the amounts of such excess to the County on notice by the Purchasing Department or his designee of the excess due.

32. Any complaint from bidders relative to the invitation to bid or any attached specifications shall be made prior to the time of opening bids, otherwise, the bidder waives any such complaint.
33. A vendor writing specifications for the County may not be allowed to bid on that project.
34. Contracts may be canceled by the County with or without cause on thirty (30) days advance written notice.
35. Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Purchasing Department for St. Johns County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturday, Sunday and legal holidays) after the posting of the bid tabulation. Protest procedures may be obtained in the Purchasing Department.
36. Vendors shall not contact, lobby, or otherwise communicate with any St. Johns County employee, including any member of the Board of County Commissioners, other than the above referenced individual from the point of advertisement of the Bid until contract(s) are executed by all parties, per St. Johns County Purchasing Code 304.6.5 "Procedures Concerning Lobbying". According to St. Johns County policy, any such communication shall disqualify the vendor, contractor, or consultant from responding to the subject invitation to bid, request for quote, request for proposal, invitation to negotiate, or request for qualifications.

ADDENDA

Addenda will be distributed to all who are known by the entity responsible for distribution of the complete set of Bidding Documents. Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.

Each Bidder shall ascertain prior to submitting a bid, that all issued addenda have been received, and each Bidder **shall** acknowledge receipt, of all issued addenda in the space provided in the Official County Bid Form, and a fully acknowledged copy of each issued addendum must be included in the submitted bid proposal. Failure to provide fully acknowledged copies of each addendum may result in a bid proposal being deemed non-responsive.

COSTS INCURRED BY BIDDERS

All expenses involved with the preparation and submission of bids to the County, or any work performed in connection therewith, shall be borne by the Bidder(s). No rights of ownership will be conferred until title of the property is transferred to the successful bidder. All fees for copying and reproduction services for items listed herein are nonrefundable.

Bid No: 18-47

REMARKS TO BIDDERS

Bids must be submitted in **triplicate!** Bids must be placed in an envelope, sealed and plainly marked **Sealed Bid No. 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department.**

The company name must be indicated on the envelope, also.

All bids must be signed manually by a responsible officer of your company in ink or indelible pencil.

If there are any exceptions to the bid proposal or specifications, please state here or on attached sheet.

Attachment "A" Affidavit must be completed and attached to bid proposal.

St. Johns County reserves the right to accept or reject any or all bids/proposals, waive minor formalities, and to award the bid/proposal that best serves the interests of St. Johns County. St. Johns County also reserves the right to award the base bid and any alternate bids in any combination that best suits the needs of the County.

The bidder must provide proof with his bid proposal that the equipment being bid is equal to the specifications stated herein.

In addition to equipment specified, vehicle shall be equipped with all standard equipment as specified by the manufacturer for this model and shall comply with all EPA Emission Standards and all Motor Vehicle Safety Standards as established by the U.S. Department of Transportation regarding the manufacture of motor vehicles.

The successful bidder shall be responsible for delivering vehicles that are properly serviced, clean and in first class operating condition. Pre-delivery service, at a minimum, shall include the following:

- a. Complete lubrication.
- b. Check all fluid levels to assure proper fill.
- c. Adjustment of engine to proper operating condition.
- d. Inflate tires to proper pressure.
- e. Check to assure proper operation of all accessories, gauges, lights, and mechanical features.
- f. Focusing of headlights.
- g. Cleaning of vehicle, if necessary, and removal of all unnecessary tags, stickers, papers, etc.

DO NOT remove window price sticker or supplied line sheet.

TERMS: Net 30 Days

DELIVERY: F.O.B. St. Johns County Fleet Maintenance
2740 Industry Center Road
St. Augustine, FL 32084

All paperwork must be with vehicle at the time of delivery such as Certificate of Origin for a Vehicle (MSO), Florida Department of Highway Safety and Motor Vehicles Application for Certificate of Title with/without Registration, Invoice, Odometer Disclosure Statement, Temporary Tag, etc.

St. Johns County reserves the right to accept or reject any or all bids, waive minor formalities, and to award the bid that best serves the interests of St. Johns County. St. Johns County also reserves the right to award the base bid and any optional items in any combination that best suits the needs of the County.

Bid No: 18-47

ST. JOHNS COUNTY, FLORIDA
OFFICIAL COUNTY BID FORM

TO: THE BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

DATE: _____, 2018

-BID PROPOSAL-

If awarded a Purchase Order on the basis of this proposal, the undersigned pledges to provide the equipment as specified in the Bid Proposal and County Specifications barring delays due to strikes, fires, transportation difficulties or other causes beyond the control of the undersigned.

The undersigned declares that the statements and representations made in this proposal are true in every respect and that the said proposal is in all respects fair and made without collusion or fraud, and that no member of the County Board, or any other agent or employee of the County, directly or indirectly, is interested in this proposal or in any profits expected to accrue therefrom.

The following proposal is presented for:

ONE (1) 2019 SEMI-TRACTOR TRUCK, PER ATTACHED SPECIFICATIONS

TOTAL PACKAGE BID (NUMERICAL) \$ _____

TOTAL PACKAGE BID (WORDS) \$ _____

MAKE/MODEL _____

DELIVERY DATE _____

Note: In the event there is a discrepancy between the numerical price and the written price, the written price shall prevail:

OPTIONAL EQUIPMET:

OPTION 1: PRICE FOR DISC BRAKE ON DRIVE AXLES \$ _____

OPTION 2: PRICE FOR STEER AXEL IN LIEU OF DRUM BRAKES \$ _____

During the preparation of the Bid, the following addenda, if any, were received:

No.: _____ Date Received: _____

No.: _____ Date Received: _____

No.: _____ Date Received: _____

Bid No: 18-47

I certify that the equipment presented in the above proposal meets or exceeds the County specifications and that I, the undersigned bidder, declare that I have carefully examined the specifications, terms and conditions of this bid and I am thoroughly familiar with its provisions and quality and type of coverage called for and bid herein. The undersigned further declares that he has not divulged, discussed or compared his bid with any other bidders and has not colluded with any other bidder or parties to a bid whatsoever for any fraudulent purpose.

COMPANY: _____

ADDRESS: _____

MINORITY OR WOMAN OWNED BUSINESS – YES OR NO: _____

FEDERAL ID NO. OR SOCIAL SECURITY NO.: _____

SIGNATURE: _____

NAME – TYPED OR PRINTED: _____

TITLE: _____

DATE: _____

TELEPHONE: _____

FAX: _____

EMAIL ADDRESS: _____

Bid No: 18-47

ATTACHMENT "A"

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS

AFFIDAVIT

TO: ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS
ST. AUGUSTINE, FLORIDA

At the time the proposal is submitted, the Bidder shall attach to his bid a sworn statement.

The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF _____ COUNTY OF _____. Before me, the undersigned authority, personally appeared _____ who, being duly sworn, deposes and says he is _____ (Title) of _____ (Firm) the bidder submitting the attached proposal for the services covered by the bid documents for Bid No: 18-47; Purchase of One (1) 2019 Semi-Tractor Truck for the Road & Bridge Department St. Johns County.

The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such bidder has no financial interest in the firm of another bidder for the same work. That he, his firm, association or corporation has neither directly, nor indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this firm's bid on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

(Bidder)

By _____

(Title)

Sworn and subscribe to before me this _____ day of _____, 2018.

Notary Public

My Commission Expires: _____

BIDDER ON ALL COUNTY PROJECTS MUST EXECUTE & ATTACH THIS AFFIDAVIT TO EACH BID.

SPECIFICATIONS

**THE BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA**

MINIMUM SPECIFICATIONS

FOR:

ONE (1) 2019 SEMI-TRACTOR TRUCK, TO BE MANUFACTURER'S BASIC PRODUCTION MODEL EQUIPPED WITH ALL STANDARD EQUIPMENT LISTED IN THE MANUFACTURER'S LITERATURE IF NOT LISTED IN SPECIFICATIONS BELOW:

These specifications are intended to describe a 2019 semi-tractor truck, designed for lowboy trailer application. The vehicle is to be new. These specifications are minimal. Bids quoting equipment that exceed them will be acceptable.

ST. JOHNS COUNTY TANDEM TRANSPORT BID SPECIFICATION

Description
Vehicle Configuration 2019 MODEL YEAR SPECIFIED SET FORWARD AXLE - TRACTOR LH PRIMARY STEERING LOCATION
General Service TRACTOR/TRAILER CONFIGURATION DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES) HEAVY HAUL SERVICE CONSTRUCTION BUSINESS SEGMENT HEAVY EQUIPMENT COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN- TRANSIT (BETWEEN SITES) ROAD SURFACE OEM VOCATIONAL WARRANTY EXPECTED FRONT AXLE(S) LOAD : 13200.0 lbs EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 59200.0 lbs EXPECTED GROSS COMBINATION WEIGHT : 100000.0 lbs
Tractor Service LOWBOY TRAILER

Description

Engine

15L ENGINE WITH MINIMUM 560HP
AND 1850LB/FT

Electronic Parameters

75 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME
AS ROAD SPEED LIMIT, WITH AUTO
RESUME AFTER SHIFT
PTO MODE ENGINE RPM LIMIT - 1400
RPM
PTO SPEED LIMIT 5 MPH
PTO MODE COOLING FAN ENABLE
ENGINE BRAKE WITH CRUISE
CONTROL ENABLED AT 2 MPH ABOVE
SET SPEED, 2 MPH INCREMENT
BETWEEN BRAKING LEVELS

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010
EPA/CARB/FINAL GHG17
CONFIGURATION OR TO MEET
CURRENT YEAR CERTIFICATIONS
2008 CARB EMISSION CERTIFICATION -
CLEAN IDLE (INCLUDES 6X4 INCH
LABEL ON LOWER FORWARD CORNER
OF DRIVER DOOR)
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND
FILL
ONE PIECE VALVE COVER
EXTERIOR STAINLESS STEEL 13 INCH
DONALDSON COWL MOUNTED 1-
STAGE AIR CLEANERS WITH POLISHED
STAINLESS STEEL BANDS REQUIRED
DR 12V 160 AMP 28-SI QUADRAMOUNT
PAD ALTERNATOR WITH REMOTE
BATTERY VOLT SENSE
(3) ALLIANCE MODEL 1231, GROUP 31,
12 VOLT MAINTENANCE FREE 3375
CCA THREADED STUD BATTERIES
STACK BATTERY BOX
SINGLE BATTERY BOX FRAME
MOUNTED RH SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY
CABLES WITH ADDITIONAL FRAME
GROUND RETURN
NON-POLISHED BATTERY BOX COVER
EATON FULLER ECA CLUTCH
ZERK FITTING WITH EXTENSION HOSE
AT CLUTCH RELEASE BEARING
ELECTRONIC ENGINE INTEGRAL
SHUTDOWN PROTECTION SYSTEM
JACOBS COMPRESSION BRAKE

Description

RH OUTBOARD UNDER STEP
MOUNTED HORIZONTAL
AFTERTREATMENT SYSTEM
ASSEMBLY WITH DUAL CAB
MOUNTED CONNECTED VERTICAL
TAILPIPES REQUIRED
ENGINE AFTERTREATMENT DEVICE,
AUTOMATIC OVER THE ROAD
REGENERATION AND DASH MOUNTED
REGENERATION REQUEST SWITCH
12 FOOT 00 INCH (144 INCH+0/-5.9 INCH)
EXHAUST SYSTEM HEIGHT
DUAL CURVED VERTICAL TAILPIPES
B-PILLAR MOUNTED
23 GALLON DIESEL EXHAUST FLUID
TANK
100 PERCENT DIESEL EXHAUST FLUID
FILL
NON-POLISHED ALUMINUM DIESEL
EXHAUST FLUID TANK COVER
OVAL PERFORATED DUAL STAINLESS
STEEL MUFFLER/TAILOPIPE SHIELDS
HORTON 2-SPEED DRIVEMASTER
ADVANTAGE POLAREXTREME FAN
DRIVE
AUTOMATIC FAN CONTROL WITHOUT
DASH SWITCH, NON ENGINE MOUNTED
ENGINE MOUNTED FUEL FILTER/FUEL
WATER SEPARATOR WITH WATER-IN-
FUEL INDICATOR
FULL FLOW OIL FILTER
MINIMUM 1750 SQUARE INCH
COPPER/BRASS RADIATOR REQUIRED
MOUNTING FOR FIREWALL MOUNTED
SURGE TANK
ANTIFREEZE TO -34F, OAT (NITRITE
AND SILICATE FREE) EXTENDED LIFE
COOLANT
GATES BLUE STRIPE COOLANT HOSES
OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS
FOR COOLANT HOSES
FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
DELCO 12V MOD 3.175-39MT+ OCP
STARTER WITH THERMAL
PROTECTION AND INTEGRATED
MAGNETIC SWITCH
CAST IRON FRONT AND REAR ENGINE
SUPPORTS

Transmission

EATON FULLER FO-18E313A-MHP
ULTRASHIFT PLUS TRANSMISSION

Description

Transmission Equipment

PUSH BUTTON ELECTRONIC SHIFT
CONTROL, DASH MOUNTED; NO FLOOR
MOUNTING
AIR TO OIL TRANSMISSION COOLER
SYNTHETIC TRANSMISSION LUBE

Front Axle and Equipment

MFS-13-143A 13,300# FF1 71.5 INCH
KPI/3.74 INCH DROP SINGLE FRONT
AXLE
MERITOR 16.5X5 Q+ CAST SPIDER CAM
FRONT BRAKES, DOUBLE ANCHOR,
FABRICATED SHOES
2011/2013-FMVSS 121 RSD FRONT
BRAKE LINING
STANDARD SPINDLE NUTS FOR ALL
AXLES
MERITOR AUTOMATIC FRONT SLACK
ADJUSTERS
TRW THP-60 POWER STEERING
POWER STEERING PUMP
4 QUART POWER STEERING
RESERVOIR
SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

14,600# TAPERLEAF FRONT
SUSPENSION
THREADED SPRING PINS AND
BUSHINGS - FRONT SUSPENSION
ALUMINUM SPACER BLOCKS FOR
FRONT SUSPENSIONS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-46-164P 46,000# R-SERIES TANDEM
REAR AXLE
3.58 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH
STANDARD AXLE HOUSING
SPL250HD XL DANA SPICER MAIN
DRIVELINE WITH HALF ROUND YOKES
SPL170 XL DANA SPICER INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - BOTH TANDEM REAR
AXLES
(1) INTERAXLE LOCK VALVE, (1)
DRIVER CONTROLLED DIFFERENTIAL
LOCK FORWARD-REAR AXLE VALVE
AND (1) REAR-REAR AXLE VALVE
INDICATOR LIGHT FOR EACH
INTERAXLE LOCKOUT SWITCH
INDICATOR LIGHT FOR EACH DRIVER
CONTROLLED TRACTION DEVICE
SWITCH

Description

MERITOR 16.5X8.62 Q+ CAST SPIDER
CAM REAR BRAKES, DOUBLE ANCHOR,
FABRICATED SHOES
2011/2013-FMVSS 121 RSD REAR BRAKE
LININGS
MERITOR AUTOMATIC REAR SLACK
ADJUSTERS
SYNTHETIC 75W-90 REAR AXLE LUBE
STANDARD REAR AXLE BREATHER(S)

Rear Suspension

AIR 46,000# REAR SUSPENSION
WELDED AXLE SEATS SUPPLIED ON
REAR AXLE
51 INCH AXLE SPACING
MANUAL DUMP VALVE FOR AIR
SUSPENSION WITH INDICATOR LIGHT
AND GAUGE
DUAL AIR REAR SUSPENSION
LEVELING VALVES
TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO
AXLES (TANDEM) (AIR RIDE
SUSPENSION)

Brake System

WABCO 4S/4M ABS WITH HILL START
AID AND AUTOMATIC TRACTION
CONTROL WITH ATC SHUT OFF
SWITCH
REINFORCED NYLON AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
COMBINATION ABS/SERVICE BRAKE
VALVE WITH ATC, 5.5 PSI CRACK
PRESSURE
BW AD-9SI BRAKE LINE AIR DRYER
WITH HEATER
BENDIX OIL COALESCING FILTER FOR
AIR DRYER
AIR DRYER MOUNTED INBOARD ON LH
RAIL
PUEL CABLES ON ALL AIR
RESERVOIR(S)

Trailer Connections

20 FOOT STRAIGHT TRAILER AIR HOSE
(3) 50 INCH BRUSHED ALUMINUM
FLEXASTICKS MOUNTED ON DECK
PLATE
DUAL AIR CONNECTIONS BACK OF
CAB AND TO END OF FRAME
COMBINATION DUMMY GLAD HANDS
AND LIGHT PLUG HOLDER
PRIMARY CONNECTOR/RECEPTACLE
WIRED FOR SEPARATE STOP/TURN,
ABS CENTER PIN POWERED THROUGH
IGNITION

Description

SAE J560 7-WAY PRIMARY TRAILER
CABLE RECEPTACLE FRAME
MOUNTED AFT CAB
SUPPLEMENTAL RECEPTACLE WIRING
FOR THIRD AXLE LIFT
SUPPLEMENTAL J560 7-WAY
RECEPTACLE LOCATED WITH
PRIMARY RECEPTACLE
20 FOOT DETACHABLE STRAIGHT
PRIMARY TRAILER ELECTRICAL
CABLE WITH SAE J560 CONNECTOR

Wheelbase & Frame

SHORTEST WHEELBASE POSSIBLE NOT
TO EXCEED 218 IN
3/8X3-1/2X10-3/4 INCH STEEL FRAME
120KSI
FLANGED TAPERED END OF FRAME
PINTLE HITCH AT END OF FRAME
WITH GLADHANDS
EXTRA HEAVY DUTY CROSSMEMBERS
WITH END OF FRAME CROSSMEMBER
REINFORCED

Chassis Equipment

LH AND RH BACK OF CAB ACCESS,
GRAB HANDLES WITH SINGLE RUBBER
INSERT
DECK PLATE FROM HEADRACK TO
FIFTH WHEEL
16 INCH CHROMED STEEL BUMPER
NON REMOVABLE CENTERED FRONT
TOW PIN FOR HIGHWAY OR
CONSTRUCTION BUMPER
BUMPER MOUNTING FOR SINGLE
LICENSE PLATE
BETTS B-23 PAINTED COILED
MUDFLAP BRACKETS
BLACK MUDFLAPS
FENDER MOUNTED FRONT MUDFLAPS
GRADE 8 THREADED HEX HEADED
FRAME FASTENERS
KONETA ULTRA RUBBER BLACK
QUARTER FENDERS
STACK LONG TOOL BOX; CAB WIDTH
SINGLE TOOL/STORAGE BOX #1 FRAME
MOUNTED LH SIDE UNDER CAB
AIR PIPING AND ELECTRICAL
INDEPENDENTLY CLIPPED TO THE
FRAME

Fifth Wheel

HOLLAND FW2570 EXTRA CAPACITY
41.3 INCH AIR SLIDE FIFTH WHEEL - 1.5
INCH SLIDE INCREMENTS
FIFTH WHEEL 919MM (36.2 INCHES)
AHEAD OF SUSPENSION CENTERLINE

Description

216MM (8.50 INCH) FIFTH WHEEL
HEIGHT
INBOARD ANGLE - FIFTH WHEEL
MOUNTING
DASH MOUNTED CONTROL VALVE
AND PLUMBING FOR FIFTH WHEEL
LH FIFTH WHEEL RELEASE

Fuel Tanks

100 GALLON SPLIT ALUMINUM
FUEL/HYDRAULIC TANK RH, 60/40;
WITH HYDRAULIC TANK ON THE
FORWARD PORTION OF THE TANK
100 GALLON/453 LITER ALUMINUM
FUEL TANK - LH
23 INCH DIAMETER FUEL TANK(S)
LH ADDITIONAL STEEL FUEL TANK
BRACKET(S) WITH SEVERE SERVICE
STRAPS
RH ADDITIONAL STEEL FUEL TANK
BRACKET(S) WITH SEVERE SERVICE
STRAPS
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH
POLISHED STAINLESS STEEL BANDS
FUEL TANK(S) AFT
LH AND RH FULL LENGTH FUEL TANK
STEPS REQUIRED
PLAIN STEP FINISH
FUEL TANK COMPRESSION BRACE
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED
NYLON FUEL LINE
NO FUEL COOLER
IN TANK FUEL LEVEL SENDER(S)

Tires

MICHELIN XZE2 11R24.5 16 PLY RADIAL
FRONT TIRES
MICHELIN XDN2 11R24.5 16 PLY
RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS PREMIUM
ALUMINUM FRONT HUBS
CONMET PRESET PLUS PREMIUM
ALUMINUM REAR HUBS

Wheels

ALCOA ULTRA ONE 98U63X 24.5X8.25
10-HUB PILOT 5.77 INSET ALUMINUM
DISC FRONT WHEELS
ALCOA ULTRA ONE 98U63X 24.5X8.25
10-HUB PILOT ALUMINUM REAR
WHEELS
FRONT WHEEL MOUNTING NUTS

Description

REAR WHEEL MOUNTING NUTS

Cab Exterior

MINIMUM 123 INCH BBC STEEL
CONVENTIONAL CAB
PAINTED ALUMINUM CAB SKIRT
AIR CAB MOUNTS WITH CHECK VALVE
NONREMOVABLE BUGSCREEN
MOUNTED BEHIND GRILLE
LARGE PROFILE FRONT FENDER
LH AND RH EXTERIOR GRAB HANDLES
WITH RUBBER INSERT AND LH AND RH
INTERIOR GRAB HANDLES MOUNTED
TO A POST
STAINLESS STEEL RADIATOR
SHELL/HOOD BEZEL WITH STYLIZED
TILT HOOD HANDLE
HOOD MOUNTED ALUMINUM GRILLE
GALVANEAELED STEEL SEVERE
SERVICE CAB
ONE PIECE FIBERGLASS HOOD
SEVERE DUTY COPPER/BRASS
RADIATOR HOOD MOUNTING
DUAL HADLEY SD-978 26 INCH
RECTANGULAR AIR HORNS
SINGLE ELECTRIC HORN
DUAL HORN SHIELDS
DOORS AND IGNITION KEYED THE
SAME (4 KEYS)
DUAL RECTANGULAR LED
HEADLIGHTS
LED-CHROME BULLET MARKER
LIGHTS
DAYTIME RUNNING LIGHTS WITH
ROCKER/TOGGLE MOMENTARY
INTERRUPTER SWITCH
LED STOP/TAIL/TURN WITH LED
BACKUP LIGHTS MOUNTED IN BOXES
OUTBOARD OF RAILS
LED SQUARE CHROME FENDER
MOUNTED FRONT TURN SIGNALS
REQUIRED CAB MOUNTED MIRRORS,
LH AND RH REMOTE AND INTEGRAL
CONVEX MIRRORS
102 INCH EQUIPMENT WIDTH
BRIGHT FINISH HEATED CONVEX
MIRRORS WITH MANUAL
ADJUSTMENT AND DUAL AXIS FOR 1-
PIECE PRIMARY MIRRORS
NO AUXILIARY MIRROR
STANDARD SIDE/REAR REFLECTORS
REAR REFLECTIVE DEVICE
ELECTRIC DOOR LOCKS
DUAL LEVEL CAB ENTRY STEPS ON
BOTH SIDES
STAINLESS STEEL EXTERIOR SUN
VISOR
17.5X35 INCH TINTED REAR WINDOW
TINTED DOOR GLASS

Description

RH AND LH ELECTRIC POWERED
WINDOWS
LOWER RH DOOR WINDOW WITH
FRESNEL LENS
2-PIECE TINTED CURVED GASKET
MOUNTED WINDSHIELD
1.5 GALLON WINDSHIELD WASHER
RESERVOIR MOUNTED UNDER CAB
WITH REMOTE FILL

Cab Interior

BLACK VINYL PREMIUM INTERIOR
BLACK HARD TRIM
BASE LEFT HAND DOOR TRIM
BASE RIGHT HAND DOOR TRIM
BLACK MATS WITH DOUBLE
INSULATION REQUIRED FOR HEAT
AND NOISE REJECTION
DASH MOUNTED ASH TRAY AND
LIGHTER, DRIVER SIDE
FORWARD ROOF MOUNTED CONSOLE
PASSENGER SIDE WING DASH
MOUNTED GLOVE BOX WITH LOCKING
DOOR
BETWEEN SEATS CONSOLE WITH COIN
TRAY, CB BIN, STORAGE BIN AND CUP
AND THERMOS HOLDER
14"X7.75" DOCUMENT POUCH
MOUNTED ON BACK WALL BETWEEN
SEATS
LH AND RH DOOR MAP POCKETS
(2) COAT HOOKS ON BACKWALL OF
CAB
(1) DOUBLE CUP HOLDER WITH CELL
PHONE HOLDER LH OR RH DASH
BLACK SOFT TOUCH WING DASH WITH
DRIVER SIDE COSMETIC UNDER DASH
COVER
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR
CONDITIONER WITH CONSTANT
TEMPERATURE CONTROL AND
COSMETIC COVER
HVAC DUCTING WITH MAIN FRESH AIR
FILTER
STANDARD HEATER PLUMBING WITH
BALL SHUTOFF VALVES AT SUPPLY
LINES ONLY
ADDITIONAL CAB SIDEWALL
INSULATION FOR HEAT AND NOISE
REJECTION
AUTOMATIC SELF-RESET CIRCUIT
BREAKER IN MAIN DASH POWER
DISTRIBUTION BOX AND CIRCUIT
BREAKER/FUSE IN AUXILIARY POWER
DISTRIBUTION BOXES

Description

DOOR ACTIVATED DOME LIGHT,
UNDER DASH LIGHT WITH LH AND RH
DOOR MOUNTED COURTESY LIGHTS
AND LH AND RH READING LIGHTS
LH AND RH ELECTRIC DOOR LOCKS
BRIGHT DOOR HANDLES
(2) 12 VOLT POWER RECEPTACLES
MOUNTED IN DASH
TRIANGULAR REFLECTORS KIT
WITHOUT FLARES SHIPPED LOOSE IN
CAB
PREMIUM HIGH BACK AIR
SUSPENSION DRIVER SEAT WITH 3
CHAMBER AIR LUMBAR, INTEGRATED
CUSHION EXTENSION, FORWARD AND
REAR CUSHION TILT, ADJUSTABLE
SHOCK ABSORBER
BASIC HIGH BACK NON SUSPENSION
TOOL BOX PASSENGER SEAT
DUAL DRIVER SEAT ARMRESTS, NO
PASSENGER SEAT ARMRESTS
BLACK VINYL DRIVER SEAT COVER
BLACK VINYL PASSENGER SEAT
COVER
3 POINT HIGH VISIBILITY ORANGE
RETRACTOR DRIVER AND PASSENGER
SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN
2-SPOKE 18 INCH (450MM) BLACK
LEATHER WRAPPED STEERING WHEEL
DRIVER AND PASSENGER INTERIOR
SUN VISORS

Instruments & Controls

NON-ADJUSTABLE SUSPENDED
PEDALS
BLACK DRIVER INSTRUMENT PANEL
BLACK CENTER INSTRUMENT PANEL
GAUGES WITH BRIGHT BEZELS
(1) TRACTOR AND (1) TRAILER BRAKE
APPLICATION AIR GAUGE
2 INCH PRIMARY AND SECONDARY
AIR PRESSURE GAUGES
DASH MOUNTED AIR RESTRICTION
GAUGE
CRUISE CONTROL SWITCHES IN THE
CENTER PANEL
KEY OPERATED IGNITION SWITCH
AND INTEGRAL START POSITION; 4
POSITION OFF/RUN/START/ACCESSORY
DATASTAR DRIVER DISPLAY AND
WARNING LAMP/LIGHT BAR DISPLAY,
NON-DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED
BELOW LH DASH
2 INCH ELECTRIC FUEL GAUGE
FUEL FILTER RESTRICTION INDICATOR

Description

EMISSIONS LIMITED IDLE ADJUST
DUAL REAR AXLE TEMPERATURE
GAUGES WITH SENSOR SHIELD
ELECTRICAL ENGINE COOLANT
TEMPERATURE GAUGE
ENGINE OIL TEMPERATURE GAUGE
2 INCH TRANSMISSION OIL
TEMPERATURE GAUGE
DASH MOUNTED PTO CONTROLS WITH
INDICATOR LIGHT AND PARK BRAKE
INTERLOCK
ELECTRIC ENGINE OIL PRESSURE
GAUGE
TOP OF DASH NAVIGATION PREP WITH
POWER AND GROUND
AM/FM/WB WORLD TUNER RADIO
WITH BLUETOOTH AND USB AND
AUXILIARY INPUTS, J1939
ROOF/OVERHEAD CONSOLE MOUNTED
RADIO
(4) RADIO SPEAKERS IN CAB.
NO CB RADIO
MULTI-BAND AM/FM/WB/CB DUAL
MIRROR MOUNTED ANTENNA SYSTEM
ELECTRONIC MPH SPEEDOMETER
WITH SECONDARY KPH SCALE, WITH
ODOMETER
ELECTRONIC 3000 RPM TACHOMETER
WITH HOUR METER
5 YEARS ENGINE DIAGNOSTIC
SUBSCRIPTION
IGNITION SWITCH CONTROLLED
ENGINE STOP
TRAILER HAND CONTROL BRAKE
VALVE
2 INCH TURBO AIR PRESSURE GAUGE
2 INCH VOLTMETER
SINGLE ELECTRIC WINDSHIELD WIPER
MOTOR WITH DELAY
CAB/TRAILER MARKER LIGHT SWITCH
WITH SEPARATE HEADLIGHT SWITCH
AND INTERRUPT SWITCH FOR TRAILER
MARKER LIGHTS
TWO VALVE PARKING BRAKE SYSTEM
WITH DASH VALVE CONTROL
AUTONEUTRAL AND WARNING
INDICATOR
SELF CANCELING TURN SIGNAL
SWITCH WITH INTEGRAL HEADLAMP
DIMMER WITH BRAKE OVERRIDE
PACIFIC INSIGHT ELECTRONIC
FLASHER

Design

PAINT: ONE SOLID COLOR

Description

Color

CAB COLOR A: WHITE PPG
BASE/CLEAR
CAB INTERIOR PAINTED SAME AS CAB
COLOR
BLACK, HIGH SOLIDS POLYURETHANE
CHASSIS PAINT

Certification/Compliance

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

Dealer Installed Options

FULL CAB WIDTH ALUMINUM
HEADRACK WITH TAB IN THE
CENTER FOR FULL LED 60" WIDE
LIGHT BAR WITH CLEAR LENSE,
AMBER FLASHERS, FRONT AND
REAR WHITE TAKE DOWN
LIGHTS AND WHITE SIDE ALLEY
LIGHTS, (2) REAR FACING SPOT
LIGHTS MOUNTED WIDE,
STOP/TURN LIGHTS IN TOP OF
HEAD RACK AT SIDES,
ADDITIONAL SPOT LIGHTS
MOUNTED TOWARDS THE
CENTER, WINDOW, CHAIN
HANGERS WITH RUBBER
MATTING MOUNTED BEHIND,
TRAY ON LH AND RH SIDES,
LOCKABLE TOOL BOX
MOUNTED BETWEEN THE
MOUNTING LEGS; ALL
LIGHTING LED
COMBO WET KIT FOR LOWBOY
TRAILER AND END DUMP
TRAILER

*** ALL LIGHTING NEEDS TO BE LED

Factory Option

NEED QUOTE FOR DISC BRAKE
OPTION ON DRIVE AXLES AND
STEER AXLE IN LIEU OF DRUM
BRAKES