*A proposal for*

***OHIO DOT***

***Item 3-Set Back Single Axle Chassis***

*Prepared by*

***FYDA FREIGHTLINER CINCINNATI***

*Mike Bailey*

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**Western Star 47X**



Components shown may not reflect all spec'd options and are not to scale

## SPECIFICATION PROPOSAL

|  | |  | | **Description** | |  | |  | |  | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Price Level** | | | | | | | | | | |
|  |  | | WST 47X/49X PRL-27X (EFF:MY24 ORDERS) | |  | |  | |  | | |
| **Data Version** | | | | | | | | | | |
|  |  | | SPECPRO21 DATA RELEASE VER 005 | |  | |  | |  | | |
| **Vehicle Configuration** | | | | | | | | | | |
|  |  | | WESTERN STAR 47X | |  | |  | |  | | |
|  |  | | 2024 MODEL YEAR SPECIFIED | |  | |  | |  | | |
|  |  | | SET BACK AXLE - TRUCK | |  | |  | |  | | |
|  |  | | TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560 | |  | |  | |  | | |
|  |  | | 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 | |  | |  | |  | | |
|  |  | | SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE | |  | |  | |  | | |
|  |  | | WESTERN STAR VOCATIONAL WARRANTY | |  | |  | |  | | |
|  |  | | EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs | |  | |  | |  | | |
|  |  | | EXPECTED REAR DRIVE AXLE(S) LOAD : 26000.0 lbs | |  | |  | |  | | |
|  |  | | EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 46000.0 lbs | |  | |  | |  | | |
|  |  | | EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs | |  | |  | |  | | |
| **Truck Service** | | | | | | | | | | |
|  |  | | FRONT PLOW/END DUMP BODY | |  | |  | |  | | |
|  |  | | EXPECTED TRUCK BODY LENGTH : 14.0 ft | |  | |  | |  | | |
|  |  | | HENDERSON | |  | |  | |  | | |
| **Engine** | | | | | | | | | | |
|  |  | | CUM L9 360 HP @ 2200 RPM; 2200 GOV RPM, 1150 LB-FT @ 1200 RPM | |  | |  | |  | | |
| **Electronic Parameters** | | | | | | | | | | |
|  |  | | 70 MPH ROAD SPEED LIMIT | |  | |  | |  | | |
|  |  | | CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT | |  | |  | |  | | |
|  |  | | PTO MODE ENGINE RPM LIMIT - 700 RPM | |  | |  | |  | | |
|  |  | | PTO RPM WITH CRUISE SET SWITCH - 700 RPM | |  | |  | |  | | |
|  |  | | ONE DASH MOUNTED PTO SPEED WITH PTO SWITCH ENGAGEMENT | |  | |  | |  | | |
|  |  | | PTO 1, DASH SWITCH, ENGAGE WHILE DRIVING | |  | |  | |  | | |
| **Engine Equipment** | | | | | | | | | | |
|  |  | | 2010 EPA/CARB/GHG21 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 | |  | |  | |  | | |
|  |  | | SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER | |  | |  | |  | | |
|  |  | | DR 12V 200 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE | |  | |  | |  | | |
|  |  | | (3) DTNA GENUINE, HIGH TEMP AGM STARTING AND CYCLING, MIN 2775CCA, 570RC, THREADED STUD BATTERIES | |  | |  | |  | | |
|  |  | | PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB | |  | |  | |  | | |
|  |  | | BATTERY BOX MOUNTED UNDER PASSENGER SEAT | |  | |  | |  | | |
|  |  | | WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN | |  | |  | |  | | |
|  |  | | PLASTIC BATTERY BOX COVER | |  | |  | |  | | |
|  |  | | CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE | |  | |  | |  | | |
|  |  | | ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM | |  | |  | |  | | |
|  |  | | C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING 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 ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH | |  | |  | |  | | |
|  |  | | 11 FOOT 00 INCH (132 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT | |  | |  | |  | | |
|  |  | | RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP | |  | |  | |  | | |
|  |  | | 8 GALLON DIESEL EXHAUST FLUID TANK | |  | |  | |  | | |
|  |  | | UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER | |  | |  | |  | | |
|  |  | | LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION | |  | |  | |  | | |
|  |  | | STANDARD DIESEL EXHAUST FLUID TANK CAP | |  | |  | |  | | |
|  |  | | STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD | |  | |  | |  | | |
|  |  | | AIR POWERED ON/OFF ENGINE FAN CLUTCH | |  | |  | |  | | |
|  |  | | AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED | |  | |  | |  | | |
|  |  | | DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR | |  | |  | |  | | |
|  |  | | CUMMINS SPIN ON FUEL FILTER | |  | |  | |  | | |
|  |  | | FULL FLOW OIL FILTER | |  | |  | |  | | |
|  |  | | 1400 SQUARE INCH VOCATIONAL RADIATOR | |  | |  | |  | | |
|  |  | | ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT | |  | |  | |  | | |
|  |  | | GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT | |  | |  | |  | | |
|  |  | | RADIATOR DRAIN VALVE | |  | |  | |  | | |
|  |  | | LOWER RADIATOR GUARD | |  | |  | |  | | |
|  |  | | PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER | |  | |  | |  | | |
|  |  | | PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER | |  | |  | |  | | |
|  |  | | CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR | |  | |  | |  | | |
|  |  | | ELECTRIC GRID AIR INTAKE WARMER | |  | |  | |  | | |
|  |  | | DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH | |  | |  | |  | | |
| **Transmission** | | | | | | | | | | |
|  |  | | ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION | |  | |  | |  | | |
| **Transmission Equipment** | | | | | | | | | | |
|  |  | | ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV | |  | |  | |  | | |
|  |  | | ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES | |  | |  | |  | | |
|  |  | | PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY | |  | |  | |  | | |
|  |  | | SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY | |  | |  | |  | | |
|  |  | | PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE | |  | |  | |  | | |
|  |  | | SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE | |  | |  | |  | | |
|  |  | | PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE | |  | |  | |  | | |
|  |  | | SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE | |  | |  | |  | | |
|  |  | | FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED | |  | |  | |  | | |
|  |  | | ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR | |  | |  | |  | | |
|  |  | | CUSTOMER INSTALLED CHELSEA 280 SERIES PTO | |  | |  | |  | | |
|  |  | | PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION ALLISON & EATON FULLER | |  | |  | |  | | |
|  |  | | MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN | |  | |  | |  | | |
|  |  | | HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED | |  | |  | |  | | |
|  |  | | WATER TO OIL TRANSMISSION COOLER | |  | |  | |  | | |
|  |  | | TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK | |  | |  | |  | | |
|  |  | | SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT) | |  | |  | |  | | |
| **Front Axle and Equipment** | | | | | | | | | | |
|  |  | | DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE | |  | |  | |  | | |
|  |  | | CONMET PRESET PLUS PREMIUM IRON FRONT HUBS | |  | |  | |  | | |
|  |  | | BENDIX ADB22X AIR DISC FRONT BRAKES | |  | |  | |  | | |
|  |  | | NON-ASBESTOS FRONT BRAKE LINING | |  | |  | |  | | |
|  |  | | FRONT DISC BRAKE ROTORS | |  | |  | |  | | |
|  |  | | FRONT BRAKE DUST SHIELDS | |  | |  | |  | | |
|  |  | | FRONT OIL SEALS | |  | |  | |  | | |
|  |  | | VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL | |  | |  | |  | | |
|  |  | | FRONT AIR DISC BRAKE INTERNAL ADJUSTERS | |  | |  | |  | | |
|  |  | | DUAL POWER STEERING GEARS, BENDIX 16-20K | |  | |  | |  | | |
|  |  | | 4 QUART POWER STEERING RESERVOIR | |  | |  | |  | | |
|  |  | | OIL/AIR POWER STEERING COOLER | |  | |  | |  | | |
|  |  | | MINERAL SAE 80/90 FRONT AXLE LUBE | |  | |  | |  | | |
| **Front Suspension** | | | | | | | | | | |
|  |  | | 20,000# FLAT LEAF FRONT SUSPENSION | |  | |  | |  | | |
|  |  | | THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION | |  | |  | |  | | |
|  |  | | FRONT SHOCK ABSORBERS | |  | |  | |  | | |
| **Rear Axle and Equipment** | | | | | | | | | | |
|  |  | | RS-26-185 26,000# T-SERIES SINGLE REAR AXLE | |  | |  | |  | | |
|  |  | | CONMET PRESET PLUS PREMIUM IRON REAR HUBS | |  | |  | |  | | |
|  |  | | 6.14 REAR AXLE RATIO | |  | |  | |  | | |
|  |  | | IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING | |  | |  | |  | | |
|  |  | | RPL14 MERITOR SERVICE-FREE MAIN DRIVELINE WITH HALF ROUND (17T) YOKES | |  | |  | |  | | |
|  |  | | NO INTERAXLE (#3) DRIVELINE | |  | |  | |  | | |
|  |  | | BENDIX ADB22X AIR DISC REAR BRAKES | |  | |  | |  | | |
|  |  | | NON-ASBESTOS REAR BRAKE LINING | |  | |  | |  | | |
|  |  | | BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S) | |  | |  | |  | | |
|  |  | | REAR DISC BRAKE ROTORS | |  | |  | |  | | |
|  |  | | NO REAR BRAKE DUST SHIELDS | |  | |  | |  | | |
|  |  | | REAR OIL SEALS | |  | |  | |  | | |
|  |  | | AIR DISC LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS | |  | |  | |  | | |
|  |  | | REAR AIR DISC BRAKE INTERNAL ADJUSTERS | |  | |  | |  | | |
|  |  | | MINERAL SAE 80/90 REAR AXLE LUBE | |  | |  | |  | | |
|  |  | | STANDARD REAR AXLE BREATHER(S) | |  | |  | |  | | |
| **Rear Suspension** | | | | | | | | | | |
|  |  | | 26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD | |  | |  | |  | | |
|  |  | | 9.5 INCH NOMINAL RIDE HEIGHT (460MM GLOBAL REFERENCE HEIGHT) | |  | |  | |  | | |
|  |  | | STANDARD AXLE SEATS IN AXLE CLAMP GROUP | |  | |  | |  | | |
|  |  | | FORE/AFT CONTROL RODS | |  | |  | |  | | |
|  |  | | NO REAR SHOCK ABSORBERS | |  | |  | |  | | |
| **Brake System** | | | | | | | | | | |
|  |  | | WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH | |  | |  | |  | | |
|  |  | | REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES | |  | |  | |  | | |
|  |  | | RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE | |  | |  | |  | | |
|  |  | | WABCO SYSTEM SAVER 1200 HEATED AIR DRYER WITH PRESSURE CONTROL VALVE | |  | |  | |  | | |
|  |  | | WABCO OIL COALESCING FILTER FOR AIR DRYER | |  | |  | |  | | |
|  |  | | AIR DRYER MOUNTED UNDER HOOD | |  | |  | |  | | |
|  |  | | ALUMINUM AIR BRAKE RESERVOIRS | |  | |  | |  | | |
|  |  | | BW DV-2 AUTO DRAIN VALVE WITH HEATER TO WET TANK; DRAIN VALVE CABLES ON ALL OTHER 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, ABS CENTER PIN POWERED THROUGH IGNITION | |  | |  | |  | | |
|  |  | | SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME | |  | |  | |  | | |
| **Wheelbase & Frame** | | | | | | | | | | |
|  |  | | 5275MM (208 INCH) WHEELBASE | |  | |  | |  | | |
|  |  | | 15.0MM X 89.0MM X 315.0MM STEEL FRAME (0.59X3.5X12.4 INCH) 120 KSI | |  | |  | |  | | |
|  |  | | TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT | |  | |  | |  | | |
|  |  | | 1775MM (70 INCH) REAR FRAME OVERHANG | |  | |  | |  | | |
|  |  | | FRAME OVERHANG RANGE: 61 INCH TO 70 INCH | |  | |  | |  | | |
|  |  | | 12 INCH INTEGRAL FRONT FRAME EXTENSION | |  | |  | |  | | |
|  |  | | CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 142.52 in | |  | |  | |  | | |
|  |  | | CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 139.52 in | |  | |  | |  | | |
|  |  | | CALC'D FRAME LENGTH - OVERALL : 334.51 in | |  | |  | |  | | |
|  |  | | FRAME HEIGHT TOP FRONT UNLADEN : 44.81 in | |  | |  | |  | | |
|  |  | | FRAME HEIGHT TOP FRONT LADEN : 40.86 in | |  | |  | |  | | |
|  |  | | FRAME HEIGHT TOP REAR UNLADEN : 43.93 in | |  | |  | |  | | |
|  |  | | FRAME HEIGHT TOP REAR LADEN : 40.96 in | |  | |  | |  | | |
|  |  | | CALCULATED FRAME SPACE LH SIDE : 94.29 in | |  | |  | |  | | |
|  |  | | CALCULATED FRAME SPACE RH SIDE : 116.89 in | |  | |  | |  | | |
|  |  | | SQUARE END OF FRAME | |  | |  | |  | | |
|  |  | | STANDARD WEIGHT ENGINE CROSSMEMBER | |  | |  | |  | | |
|  |  | | STANDARD CAST ALUMINUM CROSSMEMBER BACK OF TRANSMISSION | |  | |  | |  | | |
|  |  | | STANDARD CAST ALUMINUM MIDSHIP | |  | |  | |  | | |
|  |  | | HEAVY DUTY REAR C-CHANNEL CROSSMEMBER, NON-TOWING | |  | |  | |  | | |
|  |  | | STANDARD SUSPENSION CROSSMEMBER | |  | |  | |  | | |
|  |  | | CAST ALUMINUM REAR SUSPENSION CROSSMEMBER | |  | |  | |  | | |
| **Chassis Equipment** | | | | | | | | | | |
|  |  | | UNPOLISHED ALUMINUM WST EQUIPMENT COVERS | |  | |  | |  | | |
|  |  | | BRIGHT STEEL 1/8 INCH VOCATIONAL BUMPER | |  | |  | |  | | |
|  |  | | NO FRONT TOW HOOKS | |  | |  | |  | | |
|  |  | | NO LICENSE PLATE MOUNTING | |  | |  | |  | | |
|  |  | | CLASS 10.9 THREADED METRIC FASTENERS; REAR SUSPENSION HANGER TO BE HUCK-SPIN | |  | |  | |  | | |
|  |  | | EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE | |  | |  | |  | | |
| **Fuel Tanks** | | | | | | | | | | |
|  |  | | 80 GALLON/302 LITER ALUMINUM FUEL TANK - LH | |  | |  | |  | | |
|  |  | | 25 INCH DIAMETER FUEL TANK(S) | |  | |  | |  | | |
|  |  | | PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS | |  | |  | |  | | |
|  |  | | FUEL TANK(S) FORWARD | |  | |  | |  | | |
|  |  | | PLAIN STEP FINISH | |  | |  | |  | | |
|  |  | | FUEL TANK CAP(S) | |  | |  | |  | | |
|  |  | | EQUIFLO INBOARD FUEL SYSTEM | |  | |  | |  | | |
|  |  | | HIGH TEMPERATURE REINFORCED NYLON FUEL LINE | |  | |  | |  | | |
|  |  | | FUEL COOLER | |  | |  | |  | | |
| **Tires** | | | | | | | | | | |
|  |  | | MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES | |  | |  | |  | | |
|  |  | | CONTINENTAL HDL2 11R22.5 14 PLY RADIAL REAR TIRES | |  | |  | |  | | |
| **Wheels** | | | | | | | | | | |
|  |  | | ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HAND ALUMINUM DISC FRONT WHEELS | |  | |  | |  | | |
|  |  | | ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS | |  | |  | |  | | |
|  |  | | FRONT WHEEL MOUNTING NUTS | |  | |  | |  | | |
|  |  | | REAR WHEEL MOUNTING NUTS | |  | |  | |  | | |
| **Cab Exterior** | | | | | | | | | | |
|  |  | | 111.6 INCH BBC CONVENTIONAL ALUMINUM CAB | |  | |  | |  | | |
|  |  | | STAINLESS STEEL CAB ACCENT MOLDING | |  | |  | |  | | |
|  |  | | FRONT FENDERS | |  | |  | |  | | |
|  |  | | INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES | |  | |  | |  | | |
|  |  | | BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN, WITH LED ACCENT LIGHTS | |  | |  | |  | | |
|  |  | | X-SERIES STEEL REINFORCED ALUMINUM CAB | |  | |  | |  | | |
|  |  | | X-SERIES VOCATIONAL HOOD | |  | |  | |  | | |
|  |  | | HOOD OPENING ASSIST WITH LOCKING STRUT | |  | |  | |  | | |
|  |  | | WESTERN STAR NAMEPLATES | |  | |  | |  | | |
|  |  | | DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS | |  | |  | |  | | |
|  |  | | SINGLE ELECTRIC HORN | |  | |  | |  | | |
|  |  | | REAR LICENSE PLATE MOUNT END OF FRAME | |  | |  | |  | | |
|  |  | | DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM | |  | |  | |  | | |
|  |  | | ROOF MOUNTED LED MARKER LIGHTS | |  | |  | |  | | |
|  |  | | WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER | |  | |  | |  | | |
|  |  | | DAYTIME RUNNING LIGHTS | |  | |  | |  | | |
|  |  | | INTEGRAL LED STOP/TAIL/BACKUP LIGHTS | |  | |  | |  | | |
|  |  | | LED SIDE TURN SIGNAL | |  | |  | |  | | |
|  |  | | DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE | |  | |  | |  | | |
|  |  | | 114 INCH EQUIPMENT WIDTH | |  | |  | |  | | |
|  |  | | LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS | |  | |  | |  | | |
|  |  | | RH DOWN VIEW MIRROR | |  | |  | |  | | |
|  |  | | STANDARD SIDE/REAR REFLECTORS | |  | |  | |  | | |
|  |  | | UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER | |  | |  | |  | | |
|  |  | | SINGLE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH | |  | |  | |  | | |
|  |  | | 1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD | |  | |  | |  | | |
|  |  | | 8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR | |  | |  | |  | | |
| **Cab Interior** | | | | | | | | | | |
|  |  | | X-SERIES BASE INTERIOR TRIM LEVEL PACKAGE | |  | |  | |  | | |
|  |  | | CHARCOAL BLACK VINYL BASE LEVEL INTERIOR | |  | |  | |  | | |
|  |  | | CARBON WITH BASE BLACK ACCENT | |  | |  | |  | | |
|  |  | | BLACK MATS | |  | |  | |  | | |
|  |  | | (2) DASH MOUNTED POWER OUTLETS AND COIN TRAY | |  | |  | |  | | |
|  |  | | FORWARD ROOF MOUNTED CONSOLE | |  | |  | |  | | |
|  |  | | LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS | |  | |  | |  | | |
|  |  | | (2) COAT HOOKS ON BACKWALL OF CAB | |  | |  | |  | | |
|  |  | | DIGITAL ALARM CLOCK IN DRIVER DISPLAY | |  | |  | |  | | |
|  |  | | STANDARD HEATER PLUMBING | |  | |  | |  | | |
|  |  | | RADIATOR MOUNTED AIR CONDITIONER CONDENSER | |  | |  | |  | | |
|  |  | | STANDARD INSULATION | |  | |  | |  | | |
|  |  | | STANDARD LED CAB LIGHTING | |  | |  | |  | | |
|  |  | | REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS | |  | |  | |  | | |
|  |  | | DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME | |  | |  | |  | | |
|  |  | | KEY QUANTITY OF 2 | |  | |  | |  | | |
|  |  | | LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION | |  | |  | |  | | |
|  |  | | BLACK DOOR HANDLES | |  | |  | |  | | |
|  |  | | BASIC 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND TILT | |  | |  | |  | | |
|  |  | | 2 PERSON TOOL/BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT WITH FOLDING BACKREST | |  | |  | |  | | |
|  |  | | INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST | |  | |  | |  | | |
|  |  | | BLACK MORDURA CLOTH DRIVER SEAT COVER WITH EMBROIDERED LOGO | |  | |  | |  | | |
|  |  | | BLACK MORDURA CLOTH PASSENGER SEAT COVER WITH NO LOGO | |  | |  | |  | | |
|  |  | | 3 POINT ADJUSTABLE D-RING DRIVER & 3 POINT FIXED D-RING FRONT PASSENGER & CENTER SEAT BELTS | |  | |  | |  | | |
|  |  | | ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN | |  | |  | |  | | |
|  |  | | 4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES | |  | |  | |  | | |
|  |  | | DRIVER AND PASSENGER INTERIOR SUN VISORS | |  | |  | |  | | |
| **Instruments & Controls** | | | | | | | | | | |
|  |  | | STANDARD FOOT PEDAL SYSTEM | |  | |  | |  | | |
|  |  | | ELECTRONIC ACCELERATOR CONTROL | |  | |  | |  | | |
|  |  | | BLACK GAUGE BEZELS | |  | |  | |  | | |
|  |  | | STANDARD CENTER INSTRUMENT PANEL | |  | |  | |  | | |
|  |  | | (1) SINGLE BRAKE APPLICATION AIR GAUGE | |  | |  | |  | | |
|  |  | | DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE | |  | |  | |  | | |
|  |  | | INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS | |  | |  | |  | | |
|  |  | | 87 DB TO 112 DB SELF-ADJUSTING BACKUP ALARM | |  | |  | |  | | |
|  |  | | ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES | |  | |  | |  | | |
|  |  | | KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY | |  | |  | |  | | |
|  |  | | PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY | |  | |  | |  | | |
|  |  | | DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY | |  | |  | |  | | |
|  |  | | HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH | |  | |  | |  | | |
|  |  | | 2 INCH ELECTRIC FUEL GAUGE | |  | |  | |  | | |
|  |  | | ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE | |  | |  | |  | | |
|  |  | | NO ENGINE OIL TEMPERATURE GAUGE | |  | |  | |  | | |
|  |  | | ELECTRIC ENGINE OIL PRESSURE GAUGE | |  | |  | |  | | |
|  |  | | 2 INCH TRANSMISSION OIL TEMPERATURE GAUGE | |  | |  | |  | | |
|  |  | | ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER | |  | |  | |  | | |
|  |  | | ENGINE, TRIP AND PTO HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY | |  | |  | |  | | |
|  |  | | PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE | |  | |  | |  | | |
|  |  | | NO OBSTACLE DETECTION SYSTEM | |  | |  | |  | | |
|  |  | | NO VEHICLE STABILITY ADVISOR OR CONTROL | |  | |  | |  | | |
|  |  | | NO LANE DEPARTURE WARNING SYSTEM | |  | |  | |  | | |
|  |  | | TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL | |  | |  | |  | | |
|  |  | | AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939 | |  | |  | |  | | |
|  |  | | DASH MOUNTED RADIO | |  | |  | |  | | |
|  |  | | STANDARD SPEAKER SYSTEM | |  | |  | |  | | |
|  |  | | NO AM/FM RADIO ANTENNA | |  | |  | |  | | |
|  |  | | POWER AND GROUND WIRING PROVISION OVERHEAD | |  | |  | |  | | |
|  |  | | ROOF/OVERHEAD CONSOLE CB RADIO PROVISION | |  | |  | |  | | |
|  |  | | SINGLE REMOTE SPEAKER WITH LEAD FOR 2-WAY RADIO | |  | |  | |  | | |
|  |  | | SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD | |  | |  | |  | | |
|  |  | | ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER | |  | |  | |  | | |
|  |  | | ELECTRONIC 2500 RPM TACHOMETER | |  | |  | |  | | |
|  |  | | DETROIT CONNECT PLATFORM HARDWARE | |  | |  | |  | | |
|  |  | | IGNITION SWITCH CONTROLLED ENGINE STOP | |  | |  | |  | | |
|  |  | | PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY | |  | |  | |  | | |
|  |  | | BW TRACTOR PROTECTION VALVE | |  | |  | |  | | |
|  |  | | TRAILER HAND CONTROL BRAKE VALVE | |  | |  | |  | | |
|  |  | | NO TURBO AIR PRESSURE GAUGE | |  | |  | |  | | |
|  |  | | DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY | |  | |  | |  | | |
|  |  | | ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS | |  | |  | |  | | |
|  |  | | TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR | |  | |  | |  | | |
|  |  | | SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT | |  | |  | |  | | |
|  |  | | QUICKFIT POWERTRAIN INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH CAPS | |  | |  | |  | | |
| **Design** | | | | | | | | | | |
|  |  | | PAINT: ONE SOLID COLOR | |  | |  | |  | | |
| **Color** | | | | | | | | | | |
|  |  | | CAB COLOR A: L0006EY WHITE ELITE EY | |  | |  | |  | | |
|  |  | | 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 | |  | |  | |  | | |

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| **Extended Warranty** | | | | |
|  |  | CUM 2017 L9: HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM EXTENDED WARRANTY. FEX APPLIES |  |
|  |  | TC4: US HD STANDARD/MODERATE VOCATIONAL 5 YEARS/100,000 MILES/161,000 KM EXTENDED TRUCK COVERAGE |  |
|  |  | AXLE: NON-DETROIT SINGLE REAR ONLY: HD MODERATE 3 YEARS/200,000 MILES/322,000 KM EXTENDED COVERAGE |  |
|  | | | |  | | |
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(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.