

- Crossmemberless understructure – NO CROSSMEMBERS
 - Full width rear apron
 - 8" I-beam longsills
- E. Tailgate Latch
- To be air controlled
 - Shall be retractable type with minimum 1" flame cut latch finger
 - Tailgate linkage to have grease zerks at rear
- F. Lights and Reflectors
- Shall meet federal FMVSS #108
 - (1) LED stop, turn, tail light recessed in each rear corner post
 - (1) LED backup light recessed in each rear corner post
 - LED clearance lights shall be recessed for protection and mounted in rubber sockets
 - Wiring shall be one-piece and in a plastic convoluted loom
- G. Cab Shield
- Shall be fabricated from 10-gauge 201-2b stainless-steel
 - Shall be ½ roll (24" over cab)
 - To be made stationary
- H. Miscellaneous Items
- Power distribution panel to be mounted on inside back wall of cab
 - (1) oval LED amber strobe light recessed in each rear corner post
 - (1) oval LED amber strobe light recessed in each end of cab shield front facing
 - (1) oval LED amber strobe light recessed in SS box on top of cab shield in each end of cab shield rear facing
 - (1) oval LED amber strobe light recessed in each side of cab shield side facing
 - (2) 4" LED spreader lights installed at rear
 - (1) stainless-steel spring-loaded shovel holder installed street side
 - (2) Stainless Steel Handles location TBD
 - 2" x 10" oak side boards painted black installed each side
 - Stainless-steel tarp rail full length of body both sides
 - Pull out stainless-steel ladder installed front of body driver's side
 - 97db Backup alarm
 - ¾" Closure plate at rear with 20 Ton pintle hook hitch, D-rings and 6 pin trailer-plug, round
 - Rear mud flaps
 - Fleet Engineers poly fenders installed over rear wheels with stainless steel mount
 - LED heated plow lights mounted on hood on stainless-steel brackets
 - Underside of body and hoist components painted black

Hoist Specifications:

- A. Galion Model CS100-4.5-3DA
 - Front trunnion mount telescopic style hoist
 - 12" doghouse built into front of body
 - Double acting – power up/power down
 - Body prop to support empty body weight
 - Operated by central hydraulic system

Plow Specifications:

- A. Henderson RSP19-11' Reversible Snow Plow
 - 11' Length x 42" Height
 - Integral Moldboard Shield
 - Adjustable Cutting-Edge Trip- Torsion Spring
 - o 5/8" x 8" One Piece AASHTO Punch
 - Pin and Loop Oscillating Hitch Plow Portion
 - HPH Truck Portion Hitch with side plates
 - Moldboard Sheet Material – 10 ga GR50 Steel
 - 4" x 2" x 10" Reversing Nitrided Cylinders
 - Painted NY Yellow
 - Standard Circle Frame with Top Mount Cylinders
 - NO Running Gear
 - (2) TruckLite Halogen Plow Lights mounted on stainless steel brackets
 - 12" Rubber Deflector with SS Backer
 - 36" Plastic Side Markers

Spreader Specifications:

- A. Henderson TGS
 - Hydraulic Drive
 - Single Spinner
 - 201 SS Material
 - 6" Diameter Auger, Direct Drive
 - Standard Brackets for 96" Wide Bodies

Central Hydraulic System Specifications:

The hydraulic pump will be cast iron, load sensing axial piston pump driven off the truck transmission by way of a Constant Mesh PTO. The pump will have an internal bleed-down compensator. The pump case drain line shall run from the pump directly to the reservoir without passing through any filter. This system will also have an automatic shutdown feature. In the instance that a hose would rupture, or system loses oil in another way, a float in the reservoir will trip the automatic shut down to stop flow of remaining oil to prevent pump failure.

The truck functions will be controlled by a sectional, balance spool type valve to be mounted inside valve enclosure built into the oil reservoir and actuated by air control levers. This valve to be pressure compensated, load sensing, closed center type with a nominal rating of at least 30 GPM. Two sections to have individual flow compensators. It shall be arranged to operate the following functions:

1. Inlet/outlet
2. Double-acting underbody hoist
3. Double-acting snow plow lift cylinder
4. Snow plow power reversing cylinders
5. Pressure carry-over

A Freedom 2.1 electronic spreader control system also to be mounted in cab within easy reach of driver.

There will be a 10-micron return line filter located in the reservoir and it shall be equipped with a condition gauge and by-pass.

The reservoir to be stainless-steel, frame mounted, with a capacity of 30-gallons. It shall have a 3" port for the suction line, a 1 1/4" port for the return line and a magnetic drain plug. It shall have an internal baffle between the suction and return port and a separate port for the pump case drain. A sight/temperature gauge shall be installed on the front of the reservoir. The reservoir will have an enclosure to house the hydraulic control valve.

All hoses will conform to SAE standard and be equipped with 37-degree JIC swivel fittings at each component connection. The suction line to the pump shall be 2" diameter and conform to SAE standard 100R4. In addition, all connections that see system pressure shall be of the JIC or O-ring type to eliminate all chance of leaks. Rubber hoses ran to front for plow operation. Stainless-steel hydraulic tubing to be run to rear of truck spreader operation. Stainless-steel quick couplers mounted to county specifications.

Total Package Price: \$62,454.00

Options:

- 1) TruckLite Heated LED Plow Light ILO Halogen Add: \$400.00

This quotation becomes an order when signed here: Name _____ Title _____

This order is not binding until approved by a company official. All quotations and delivery promises made, and orders accepted subject to delays caused by fire, accident, strikes or other causes beyond our control. Deliveries delayed by any of the above conditions shall not constitute cause for cancellation of this order. Prices subject to change without notice.

****A 3% CONVENIENCE FEE WILL APPLY TO ALL CREDIT CARD PURCHASES****

Prepared for:
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Prepared by:
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A proposal for
City of Zanesville

ODOT COOP STATE BID PURCHASING 023-19

Prepared by
FYDA FREIGHTLINER WESTERN STAR ZANESVILLE
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Apr 18, 2019

Western Star 4700SB



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



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

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-18T	WESTERN STAR 4700 PRL-18T (EFF:04/14/18)		
Data Version			
DRL-013	SPECPRO21 DATA RELEASE VER 013		
Vehicle Configuration			
001-451	4700 SET-BACK FRONT AXLE CHASSIS	9,215	6,530
004-220	2020 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-011	CONSTRUCTION SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 14700.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 37700.0 lbs		
Truck Service			
AA3-018	FRONT PLOW/END DUMP BODY		



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Data Code	Description	Weight Front	Weight Rear
Engine			
101-22R	CUM L9 330 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM	-850	-70
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-002	PTO MODE ENGINE RPM LIMIT - 700 RPM		
79L-001	PTO MODE THROTTLE OVERRIDE - LIMIT TO 800 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-002	PTO RPM WITH CRUISE RESUME SWITCH - 700 RPM		
79S-008	PTO MODE CANCEL VEHICLE SPEED - 25 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
79V-001	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-216	(3) DTNA GENUINE, AGM STARTING AND CYCLING, MIN 2190CCA, 570RC, THREADED STUD BATTERIES		



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Data Code	Description	Weight Front	Weight Rear
290-1AC	PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB		
282-013	BATTERY BOX MOUNTED UNDER PASSENGER SEAT		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-006	PLASTIC BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		

