



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

Director Joseph H. Vicari
Deputy Director Gary Quinn
Commissioner Barbara Jo Crea
Commissioner Virginia E. Haines
Commissioner John P. Kelly

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Toms River, New Jersey
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Board Meeting Agenda

Date: January 18, 2023 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

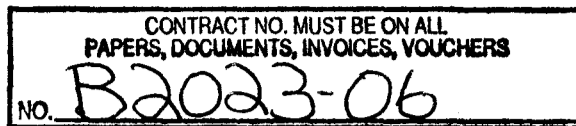
Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLE: TRACTOR to Robert H. Hoover and Sons, Inc., the lowest qualified bidder. (B2023-06)

Official Resolution#	2023000038						
Meeting Date	01/18/2023						
Introduced Date	01/18/2023						
Adopted Date	01/18/2023						
Agenda Item	n-4						
CAF #							
Purchase Req. #	B2023-06						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Joseph H.	✓				✓		
Gary	✓				✓		
Barbara Jo	✓				✓		
Virginia E.	✓			✓	✓		
John P.	✓		✓		✓		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board



RESOLUTION

January 18, 2023

WHEREAS, on December 13, 2022, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLE: TRACTOR for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

Name and Address of Bidder

Robert H. Hoover and Sons, Inc.
149 Gold Mine Road
Flanders, NJ 07836
(973) 347-4210

Name and Address of Bidder

Gabrielli Kenworth of NJ LLC
2306 US Highway 130 N
Dayton, NJ 08810
(732) 997-08810

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, namely that of, ROBERT H. HOOVER AND SONS, INC. be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract accepting the bid for the furnishing and delivery of Motor Vehicle: Tractor, for the County of Ocean, for the contract period from date of award through January 17, 2024, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows:

ROBERT H. HOOVER AND SONS, INC. for seven (7) items, to wit:

ITEM NOS. 1, 1A, 1B, 1C, 1D, 1E and 1F.

For a Total Lump Sum Award (Item #s 1 - 1F) of \$1,553,679.00.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the equipment to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the equipment shall be available within the following funding Sources: Vehicle Services O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2023-06.

5. BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Vehicle Services and Robert H. Hoover and Sons Inc., the successful bidder.

ROBERT H. HOOVER AND SONS, INC.

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLE: TRACTOR

ITEM #1 - MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	Comments:
1	ITEM #1 - MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL	6	EA	\$199,701.00	\$1,198,206.00	
OPTIONS						
1A	Road Department Options Package (Shall consist of all of the specified items), As Specified, or Equal	6	EA	\$19,638.00	\$117,828.00	
1B	Solid Waste Options Package (Shall consist of all of the specified items), As Specified, or Equal	6	EA	\$16,159.00	\$96,954.00	
1C	Diagnostic Tools / Test Equipment, As Specified	3	SET	\$20,417.00	\$61,251.00	
1D	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	6	EA	\$500.00	\$3,000.00	
1E	Installation of County Supplied Two Way Radio and Accessories, As Specified	6	EA	\$740.00	\$4,440.00	
1F	Technical Support, As Specified	180	HR	\$400.00	\$72,000.00	
TOTAL					\$1,553,679.00	

✓ COMPLIANCE PAGES FOR MOTOR VEHICLE: TRACTOR

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL

Manufacturer/Model: Western Star 49X

Engine: Cummins

Transmission: Allison

Warranty: Per Spec

Delivery, A.R.O.: 300 Days

COMPLIANCE PAGES FOR MOTOR VEHICLE: TRACTOR

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL

<u>MODEL</u>	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Set Forward Axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lh Primary Steering Location	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>GENERAL</u>		
Maximum 8% Expected Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Axle Tractor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Axle 16,000 Lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Axle 46,000 Lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Registered GVWR 80,000 Lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>ENGINE</u>		
Cummins X15 Performance Series	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14.9 L 912 Cid Minimum 525 HP @ 1900 rpm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gov 1900 Rpm, And 1850 Lb.-Ft. Torque @ 1000 rpm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Must Be In Line 6 Cylinder of Wet Sleeve Design, Utilizing Hardened Cylinder Liners for Durability, And Electronics for Simple Service And Diagnosis When Needed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum Displacement Shall Be 14.9 Liters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Must Comply With Latest Federal Mandate for Diesel Emissions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Should An Alternate Power Plant Be Offered, The Bidder Shall Provide All Necessary Technical Data To Show Proof Of Equality, Including Maintenance Schedules	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>ENGINE EQUIPMENT</u>		
Engine Shall Have Latest 50 State Clean Idle Diesel Emission Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil Check and Fill: Engine Mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Intake: Side of Hood Air Intake with Engine Mounted High Capacity Air Cleaner and Passive Precleaner Integrated Into Hood	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: January 18, 2023
 Adopted on: January 18, 2023
 Official Resolution#: 2023000038

Alternator: 200 Amp 28si with Remote Battery Volt Sense

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

ENGINE EQUIPMENT (Cont'd)

Batteries: Four (4) 12-Volt 740rc Maintenance-Free 4000 CCA

Stack Battery Box with Aluminum Cover: Frame Mounted Right Side Aft Of Cab

Positive Load Disconnect Control Switch Mounted Outboard Of Driver Seat

Remote Jump Start Studs Mounted On Frame Next To Starter

Silicone Heater/Radiator Hoses Where Possible

Compressor: Cummins 18.7 CFM with Internal Safety Valve

Engine Protection: Electronic Engine-Integral Warning System with Shut Down Function

Engine Brake: Cummins Intebrake Compression Brake With On Off Dash Switch and Low, Med, and High Retardation Switch

Exhaust: Single Right-Hand Under Cab ATD with Bright Finish Upper 11' Dual Curved Vertical Stacks and Elbows Cab Mounted LH & RH

Exhaust Shields: Stainless Steel

Fan Drive: Electronically Controlled Variable Speed Viscous Automatic Fan Control with Dash Switch and Indicator Light

13 Gallon Diesel Exhaust Fluid Tank

Non-Polished Aluminum Cover for DEF Tank

Oil Filter: Full-Flow

Radiator: 1400 Square Inch Server Service Assembly Bolted To Engine

Radiator Drain Valve

Radiator Protection Package

Pressure Fan Shroud and Rear Rock Guard
Introduced on: January 18, 2023
Official Resolution#: 2023000038

Ethylene Glycol Pre-Charged SCA Heavy Duty Coolant-34F

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

ENGINE EQUIPMENT (Cont'd)

Coolant Houses: Silicone Heater, Radiator, Where Possible

Hose Clamps: Constant Tension for Coolant Hoses and Air Intake System

Engine Heater: Phillips 1500w/115v

Chrome Heater Receptacle: Mounted Under Driver's Door

Cast Iron Front and Rear Engine Supports

Starter: Delco 12v 39mt + HD OCP

TRANSMISSION AND EQUIPMENT

Allison RDS 4700 Automatic Transmission with PTO Provision

Programming For Max Speed of 70 Mph

S1 Performance Primary Shift Schedule

1900 Rpm Primary Mode Shift Speed

Disable-Load Based Shift Schedule

Transmission Prognostics-Enabled.

PTO Mounting LH Side Of Main Transmission

Water to Oil Transmission Cooler

Magnetic Plugs, Engine Drain, Transmission Drain, Axle(S) Fill and Drain

Push Button Shift Control

Synthetic Transmission Fluid

Transmission Oil Check And Fill With Electronic Oil Level Check

FRONT AXLE AND SUSPENSION

Detroit Dana 16.0-516,000 B1223 7.5 KPI/3.74 Drop Front Axle

Adopted on: January 18, 2023
Official Resolution#: 2023000038

Meritor 16.5x6 Q+ Cast Spider Cam Front Brakes

Brakes, Double Anchor, Fabricated Shoe

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

FRONT AXLE AND SUSPENSION (Cont'd)

Non-Asbestos Front Brake Lining Severe Service

Conmet Cast Iron Front Brake Drums

Front Brake Dust Shields

Front Oil Seals

Vented Front Hub Caps with window, Center and Side Plugs

Synthetic 75W-90 Front Axles Lube

Haldex Automatic Front Slack Adjusters with Stainless Steel Clevis Pins

Bendix Single High Capacity 14.6-18k Steering Gear

Power Steering Oil/Air Cooler

16,000# Taper Leaf Front Suspension

4 Quart Power Steering Reservoir

Threaded Springs Pins and Bushings

Front Shock Absorbers

REAR AXLE AND SUSPENSION

Meritor Rt-46-164p Tandem Rear at 46,000 Lbs.

Iron Rear Axle Carrier Housing

SPL250HD XL Dana Spicer Main Driveline with Half Round Yokes

SPL170 XL Dana Spicer Interaxle Driveline with Half Round Yokes

Driver Control Differential Lockout Both Rear Axles, Indicator Light For Traction Device

Introduced on: January 18, 2023
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- Meritor 16.5 X 8.62" Cast Spider Cam Double Anchor Fabricated Shoes
- Non-Asbestos Rear Brake Lining

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

REAR AXLE AND SUSPENSION (Cont'd)

- Conmet Cast Iron Rear Brake Drums
- Rear Brake Dust Shields
- Haldex Automatic Rear Slack Adjusters W/Stainless Steel Clevis Pins
- Rear Oil Seals
- Bendix Eversure Longstroke 2-Drive Axle Spring Heavy Duty 30/36
- Parking Brake Chambers
- Forward Of Axle Mounted Parking Chambers
- Standard Spindle Nuts For All Axles
- 46000# Tuftrac Suspension Rubber Isolated Pivit Points Parabolic Taper Leaf Springs Rubber Elastomer Bushings Maintenance Free
- 56" Axle Spacing
- Fore/Aft and Transverse Control Rods
- Rear Shock Absorbers – Two Axles

BRAKE SYSTEM EQUIPMENT

- Wabco 4S/4M ABSs With Traction Control And Off-Road Switch
- Reinforced Nylon, Fabric Braid And Wire Braid Chassis Air Lines
- Bendix Brake Valves Where Possible
- Relay Valve With 5.5 Psi Crack Pressure
- Bendix Ad-9 Air Dryer- Frame Mounted
- Aluminum Air Brake Reservoirs

Cab Blow Out Kit With Nozzle Inside LH Cab Entry Door

Dv-2 Auto Drain Valve With Heat To Wet Tank, Pull Cables On All Other Air Reservoirs

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

BRAKE SYSTEM EQUIPMENT (Cont'd)

Hand Control Valve For Trailer Brakes

FRAME AND WHEELBASE

220" Wheelbase with 130" C/T

.51 X 3-.43 X 10-3/4 Steel Frame 120 KSI 26.81 Sm 3,216,626 RBM Single Channel

Splayed Frame Rails Front of Chassis, No Inner or Outer Frame Reinforcements

Phosphate Coated Frame Bolts

Tapered Rear End of Frame For Plate Mount

Heavy Duty Ductile Iron Engine Crossmember

Heavy Duty Back Of transmission Crossmember

Heavy Duty Steel Midship #1 Crossmember

Tractor Steel C-Channel Crossmember With 3.5" King Pin Clearance

Standard Weight Rear Mounted Suspension Crossmember

CHASSIS EQUIPMENT

Connector Powered Through Ignition Mounted End Of Frame

5/16" Bright Steel Bumper With Center Tow Pin

Fender Mounted Front Mud Flaps

LH Back Of Cab Access

Fine Threaded Hex Chassis Fasteners Phosphate Coated

Air Piping and Electrical Independently Clipped To Frame

7-Way Round Trailer Plug

Holland Fw35 ILS Air Slide 5th Wheel W/Left Hand Release

Tractor Access Package Including Step Provided For Back Of Cab Access
And Deck Plate Between Frame Rails. Step And Hand Rail On Driver's Side.

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

CHASSIS EQUIPMENT (Cont'd)

A Hydraulic Hose Hanger Shall Be Installed In A Way That Allows The Hydraulic Hoses To Be Safely Coiled While Not In Use. There Shall Be Dummy Hydraulic End Couplers Installed Where The End Fittings Of The Hydraulic Hoses Can Plug Into After Coiling; This Will Prevent Damage To The Fittings And Hoses As Well As Protect From Contamination.

FUEL TANKS AND EQUIPMENT

Single LH 150 Gallon Fuel Tank With Steps W/60 Gallon RH Hydraulic Oil

LH Fuel Tank Mounted Forward

25" Diameter Fuel Tank(S)

Aluminum Fuel Tank Bracket(S)

Plain Aluminum Fuel Tank With Polished Stainless Bands

Alliance Fuel/Water Separator With Heated Bowl And Indicator Light

Inboard Fuel System

High Temperature Reinforced Nylon Fuel Hose

No Fuel Cooler

In Tank Fuel Lever Sender

FRONT TIRES, HUBS, AND WHEELS

Michelin XZE 12R X 22.5 16 Ply

Conmet Iron Front Hubs

Accuride 28828 Inset 2 Hand 22.5 X 8.25 10-Hub Pilot Disc Front Wheels

REAR DRIVE TIRES, HUBS, AND WHEELS

Introduced on: January 18, 2023
Adopted on: January 18, 2023
Michelin Xds2 11r 22.5 16 Ply Rear Drive Axle Tires

ROBERT H. HOOVER AND SONS, INC.

COMPLIANCE PAGES FOR MOTOR VEHICLE: TRACTOR

Res. Pg. 24-13

- Conmet Iron Rear Hubs ☒
- Accuride 28828 2 Hand 22.5 X 8.25 10 Hub Pilot Steel ☒
- Steel Disc Rear Wheels ☒
- Nylon Wheel Guards Front And Rear All Interfaces ☒

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

REAR DRIVE TIRES, HUBS, AND WHEELS (Cont'd)

- Wheel-Check High Visibility Green Loose Wheel Nut Indicator On All Wheels ☒

CAB EXTERIOR

- 121" BBC Conventional Steel Reinforced Aluminum Cab ☒
- Galvanized E Coated Sealed Steel Door Construction ☒
- Forged Steel Door Hinges With Steel Reinforced "A" Pillar ☒
- Non-Removable Bug Screen Mounted Behind Grille ☒
- Front Cab Mounts Outboard Of Frame For Stability Or When Taking Off And Applying Torque From Engine ☒
- Bolt On Molded Fender Extensions ☒
- LH/RH Exterior Grab Handles With Rubber Insert And RH Interior Grab Handle Mounted To Reinforced 'A' Post ☒
- Stainless Steel Radiator Mounted Grille ☒
- Stainless Steel Radiator Shell/Hood Bezel With Tilt Hood Handle ☒
- Molded Resin Hood With Isolated Hood Suspension Mounting System ☒
- Hood Opening Strut Assist With safety Lock ☒
- Two (2) Hadley Sd-978 26" Air Horns ☒
- Single Electric Horn ☒
- Horn Shields ☒
- All Locks Keyed With the Same 6 Keys ☒

Dual Stage Headlights 45 Degree Pattern with Heated Lens System

Aerodynamic Led Marker Lights In Stainless Steel Visor

Individual LED Stop/Tail/Turn/Backup Lights Flush Mounted End Of Frame

Led Rear Facing Turn Signal Lamps In Convex Mirror Lens In Addition To

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

CAB EXTERIOR (Cont'd)

Standard Front Turn Signal Lamps

Dual c-Bar Mirror System Bright Finish C-Bar, Heated Mirrors, Dual Remote, Turn Signal indicators, Stainless Steel Back Cover With Integral

Door Mounted Mirrors, Switches on Door Panels

102" Equipment Width

LH/RH Integral Convex Mirrors, Bright Finish Stainless Steel Exterior Sun Visor

LH/RH Heated Hood Mounted Side View Mirrors, Black Finish

(3) Piece Solar Tinted Impact Resistant Polycarbonate Rear Window Configuration (1) 31x20" (2) 9x20"

Tinted Door Glass LH & RH Tinted

Electric Door Window Regulators

One (1) Piece Tinted Windshield

Two (2) Gallon Windshield Washer Reservoir With Fluid Level Indicator

CAB INTERIOR

Gray Vinyl Premium Interior

Black Mats With Added Floor Heat Noise Insulation

12 Volt Power Supply In Dash

Forward Roof Mounted Console

Introduced on: January 18, 2023
Adopted on: January 18, 2023
Official Resolution#: 2023000038

- Storage Pockets Integrated Into Door Panel, Left And Right Doors
- Coat Hook(S) Cab Backwall
- Wraparound Wing Dash With Six (6) Digital Gauges In Driver Command Center And Up To Thirteen (13) Gauges On The Dash
- 5 Lb Fire Extinguisher, Mounted

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

CAB INTERIOR (Cont'd)

- Heater, Defroster, And Air Conditioner
- Brushless Blower Motor With Ten (10) Blower Speeds
- Standard Heater Plumbing With Ball Shutoff Valves At Supply Lines
- Heavy Duty Air Conditioner Compressor
- Radiator Mounted A/C Condenser
- Binary Control, R-134a
- Premium Cab Insulation with Additional Noise/Thermal Treatment
- Multiplexed Electrical System
- Premium Led Cab Lighting
- Color Coded And Laser Etched Wiring
- Door Activated Led Lights
- Cab Door Latches With Electric Door Locks
- Triangular Reflectors Without Flares
- Elite Heated High Back Air Suspension Driver And Passenger Seats With 3 Chamber Air Lumbar Support, Integrated Cushion Extension, Forward And Rear Cushion Tilt With Adjustable Shock Absorber Inboard And Outboard Driver And Passenger Arm Rests
- Grey Mordura Cloth Driver And Passenger Seat Cover
- 3 Point Driver And Passenger Seat Belts With Seat Belt Retractor

Introduced on: January 18, 2023

3 Point Driver And Passenger Seat Belts With Seat Belt Retractor

Official Resolution#: 202300098

Adjustable Tilt Steering Column	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18" Steering Wheel With Multi-Function Integrated Controls With Chrome Switch Bezels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver/Passenger Interior Sun Visors	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

INSTRUMENT PANELS AND CONTROLS

Wrap Around Dash That Allows Up To 13 Gauges And Driver Command Center With Up To 6 Digital Gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Teak Accent Surround With Round Gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low Air Pressure Light And Buzzer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Primary And Secondary Air Pressure Gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Self adjusting backup alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electronic Stability Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electronic Cruise Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warning Light Bar Display Mounted In Teak Finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument Cluster Gauges With Bright Bezels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Duty Onboard Diagnostic Interface Connector, 9 Pin, SAE J1587/1708/1936, Located Below Dash	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electric Fuel Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission Oil Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine And Trip Hour Meters Integral Within Driver Display	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Oil Pressure Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: January 18, 2023
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AM/FM WB Stereo Radio with Bluetooth iPod Interface	<input checked="" type="checkbox"/>	<input type="checkbox"/>
USB and Auxiliary Inputs, J1939	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) Radio Speakers (Cab Only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Headliner Multi-Band Antenna AM/FM/WB, Wi-Fi, Bluetooth/GNSS/GPS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electronic Outside Temperature Sensor, Engine Trip And PTO Hour Meter Display in Driver Command Center	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

INSTRUMENT PANELS AND CONTROLS (Cont'd)

PTO Switch Dash Mounted With Indicator Light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24" Wiper Blades	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electric Windshield Wiper Motor With Delay	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rotary Headlamp Switch, Marker Lights/Headlights Switch With Pull Out For Optional Road Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Switch Indicator Light and 10' Of Wire On Chassis LH Back Of Cab for Customer Furnished Utility Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two-Valve Parking Brake System	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Self-Cancelling Turn Signal Switch With Dimmer Head Light Flash Wash/ Wipe/ Intermittent	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ACCESSORIES TO BE INCLUDED

One (1) Complete Set of Filters For Cab/Chassis, Drive Train And Upfit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Gallons of Recommended-Use Hydraulic Fluid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) spare front wheel and tire and one (1) spare rear wheel and tire	<input checked="" type="checkbox"/>	<input type="checkbox"/>

PAINT

Paint shall be designated on the Purchase Order and shall be one of the available options listed under Options.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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UNDERCOATING

Entire Truck Chassis, Underside Of Cab And Underside Of Added Body, Oil Pan (Dump, Utility, Platform) To Be Coated With Tectyl 2423 Haps Free Black Which Is Low Viscosity High Solids, Emulsion Corrosion Preventative	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Adopted on: January 18, 2023
Official Resolution# 202306935

Coating, or Equal

PROTECT CLASS-8 CAB RACKS

68" X 80" Deluxe Cab Rack With:

- Window
- Two Chain Hangers
- Two Chain Trays
- One Tool Box

6061 Al Bars In Window

Weld Residue Is Removed And Welds Polished

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

PROTECT CLASS-8 CAB RACKS (Cont'd)

Two (2) 14-Position Locking Chain Hangers

Locking Center-Mount Toolbox

Extruded I-Beam Uprights And Legs Form The Support Structure

Structural Panels Are 5052 Marine Grade Aluminum And Are Resistant To Corrosion especially Salt-Water Atmosphere

Robust, Durable Continuous Welds Join The Structural Rib Aluminum Panel To Protech Hept-Tubes

Stop/Tail/Turn, Oval LED

PROTECH STORAGE BOX

Aluminum Step Box with .105 Diamond Plate Aluminum Lid Mounted On

Curbside Location

Grip Strut Steps

Neoprene Bulb Style Seals

Stainless Steel Locking T-Latches

Internal Mounting Brackets

Dimensions: 25"H X 28"D X 36"W

Polished Aluminum (20-2460s)

Introduced on: January 18, 2023
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Wide Mouth Opening (20-2460w)

Continuous Seam Mig Welds On Stress Panels, Such As The Box Floor

Full-Length Stainless Steel Piano Hinges On Doors And Lids

INSTALLED EQUIPMENT BEHIND HEADACHE RACK

40" Chrome Plating Pogo Stick With D-Ring

Airlines For Low Boy To Be Attached To Pogo Stick

7 Way Trailer Plug Also Attached To Pogo Stick

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

INSTALLED EQUIPMENT BEHIND HEADACHE RACK (Cont'd)

All Lines Must Be Long Enough To Reach Low Boy Trailer

Bulkhead Bracket To Accommodate Airlines And 7 Way Trailer Plug For

Safe Storage When Trailer Is Not In Use

WHELEN TLI1F, or equal

12 VDC Split Amber/White Surface Mount Lighthead With 33 Scan-Lock

Flash Patterns:

- Two In The Grill
- Two On The Side
- Two In The Rear
- Lights To Operate Off Cab Switches

FRONT FENDERS

Quarter Front Fenders shall Be Made From Stainless Steel

Brackets shall Be Made Out Of Stainless Steel

REAR MUD FLAPS

Rear Mud Flap With Removable Bracket B83

HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT TRAILER

See Options

WARRANTY FOR A 2022 WESTERN STAR 49X SF OR APPROVED EQUAL

Western Star Severe Service

Basic Vehicle - 1 Year, 50,000 Miles

Introduced on: January 18, 2023
 Banned on Year, 50,000 Miles
 Official Resolution#: 2023000038

Brightwork – 6 Months, Unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab Corrosion/Perforation – 5 Years, Unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab Structure – 1 Year, 100,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corrosion – 6 Months, Unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crossmembers – 3 Years, 300,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Diesel Emission 2010 – 5 Years, 100,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

WARRANTY FOR A 2022 WESTERN STAR 49X SF OR APPROVED EQUAL (Cont'd)

GHG/17 (Medium Heavy Duty To Heavy Duty Trucks/Tractors) – 5 Years, 100,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GHG14/17 Tire (File Direct) – 2 Years, 24,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame Rails – 3 Years, 300,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front/Steer Axle: Detroit – 1 Year, Unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front/Steer Axle 1 Year, 100,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint – 1 Year, 50,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint, Chassis – 6 Months, Unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Axle: 1 Year, 100,000 Miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Towing For Warranty Repair – 5 Years Unlimited Mileage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cummins 5 Year 100,000 Mile Engine and ATS Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cummins Protection Plan I:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- Internal Components, Major Engine Systems And Major Components
- Registered Parts And Labor
- Covers All These Components Including Mounting Hardware And Gaskets: Cylinder Head Assembly, Cylinder Block Assembly, Rocker Level Assembly, Ecm, Piston, Rings And Liners; Lube Oil Cooler Assembly, Front Gear Cover, Oil Pan, Connecting Rod Assembly, Front Gear Cover, Oil Pan, Connecting Rod Assembly, Lube Pump Assembly, Camshaft And Bushings; Cam Follower Assemblies, Crank Shaft Assemblies, Egr Cooler, Valve And Mixer; Fuel Injectors (Excluding Aftertreatment Injector), Turbo, Water

Pump, Fuel Pump, Air Compressor, Select Engine Sensors And Flywheel.

Allison 5 Year Unlimited Miles Transmission Warranty

OPTIONS

1A. Road Department Options (Shall Consist of all of the following items)

Brake System Equipment

Air Connections at Back of Truck Glad Hands

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS

1A. Road Department Options (Shall Consist of all of the following items (Cont'd)

Frame and Wheelbase

Square End of Frame with 58" Overhang

Front Tires, Hubs, and Wheels

Michelin Xze 11r X 24.5 16 Ply

Conmet Iron Front Hubs

Accuride 28827 Inset 2 Hand 24.5 X 8.25 10-Hub Pilot Disc Front Wheels Black

Rear Drive Tires, Hubs, and Wheels

Michelin Xds2 11r 24.5 16 Ply Rear Drive Axle Tires

Conmet Iron Rear Hubs

Accuride 28827 2 Hand 24.5 X 8.25 10 Hub Pilot Steel

Steel Disc Rear Wheels Black

Nylon Wheel Guards Front And Rear All Interfaces

Wheel-Check High Visibility Green Loose Wheel Nut Indicator On All Wheels

One (1) Spare Front and (1) Spare Rear Tire with Black Rims

Road Department Paint Color Scheme

School bus yellow from the bottom of the windows down, Bahama Blue from the bottom of the windows up to and including cab roof and Back, on hood from bottom of windshield to a point on the hood to make

A and match the road department fleet.

Shall be base coat clear coat

(Note: not all vehicles will be painted this way)

Whelen Led Liberty II Solo IX 54" Light Bar

Light Bar Led Liberty II Solo IX 54", All Modules Filled With Amber LED

- Alley Lights And Takedowns Are To Be White
- Whelen Controller
- Brackets For Mounting On Safety Back Rack
- Lightbar Flush With Top Of Cab

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS

1A. Road Department Options (Shall Consist of all of the following items) (Cont'd)

32 Inch 16,200 Lumen Led Clear Combination Spot-Flood Light Bar

Mounted On Top Crossmember Of The Headache Rack Facing Downward

Flash Patterns

Rated Ip67 For Dust And Water Resistance

Height 4.89"

Lead Length 52"

Lens Shape Round

30 Ton Heavy-Duty Swivel Type Pintle Hook

Color: Black

Finish: Powder Coated

Material: Forged Steel

Pintle Hook Type: Swivel

Drawbar Eye Inner Diameter: 3.00

Maximum Gross Trailer Weight: 60000 Lb

Maximum Vertical Load: 12000 Lb

The Height Of The Inside Body Of The Pintle To Be 28 Inches

Introduced on: January 18, 2023

Adopted on: January 18, 2023

1 inch Pull Plate Mounted On Rear Of Tractor For Hitch Glad Hands Mounted

On Side Of Frame Rail

7 Way Trailer Plug Round

Wide Load Sign

Mounted To Front Bumper With A Stainless Steel Hinge

Sign To Be 12" X 92"

Sign Backing To Be Made Of Alumalite Material

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1A. Road Department Options (Shall Consist of all of the following items) (Cont'd)

Wide Load Sign (Cont'd)

Reflective Material To Be Orafol Oralite 5600 5 Mil

Sign To Be Hinged In The Middle And Pinned To Curbside When Closed

Hydraulic Specifications for Lowboy Specialty Equipment Trailer

Fixed Displacement Pump With Hotshift PTO: The Hydraulic Pump

Shall Be A Parker P-20, Fixed Displacement With 2.0" Gear.

Minimum Pump Displacement Is 3.9 Cid Maximum Pressure 3000psi.

Pressure Line Shall Have An In-Line Relief To Protect Against Over Pressurization.

Pump Shall Be Bi-Rotational Or Uni-Rotational Design.

Hydraulic Pump Must Be Self-Lubricating.

Pump Shaft Shall Have 1 Inch With 15 T-Spline.

Pump Shall Be PTO Mount With 2 Or 4 Bolt B-Flange.

Pump Must Mount Directly To A Chelsea "Hot Shift" PTO On Allison 3000 And 4000 Series Transmissions Without Requiring Bent Axis Or External Mounting Hardware

Pump Must Be Rear Ported.

Installer Must Be Authorized To Preform Warranty Repairs If Required. Such authorization shall be provided with bid submission.

Introduced on: January 18, 2023
Adopted on: January 18, 2023
Official Resolution#: 2023000038

Hydraulic Pump Shall Be A Parker Model P-20 Or Equal.

PTO To Be Activated By On/Off Switch In The Cab

Reservoir And Filter:

Reservoir Shall Be A Chassis Mounted With 60 Gallon Capacity.

The Return Line Shall Have A 25 Micron Return Filter Rated at 45-50 GPM Per Minute.

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (Cont'd)

1A. Road Department Options (Shall consist of all of the following items) (Cont'd)

Reservoir and Filter (Cont'd)

Hydraulic Quick Connects To Be Pioneer 4110-5 Male And Pioneer 4150-5 Female On Trailer End And 1" Quick Disconnects On Opposite End For Ease Of Storage

Hoses Are To Be 3/4 Inch, 11 Foot Long

2" Ball Valve Mounted On Hydraulic Tank For Suction Line Going To The Hydraulic Pump

All Hydraulic Hoses shall have a Blind Side Quick Disconnect Mounted on Headache Rack for Safe Storage

1B. Solid Waste Options (Shall consist of all of the following items)

Frame and Wheelbase

Tapered Rear End Of Frame For Plate Mount

Front Tires, Hubs, And Wheels

Michelin XZE 12r X 22.5 16 Ply

Conmet Iron Front Hubs

Accuride 28828 Inset 2 Hand 22.5 X 8.25 10-Hub Pilot Disc Front Wheels White

Rear Drive Tires, Hubs, And Wheels

Michelin Xds2 11r 22.5 16 Ply Rear Drive Axle Tires

Conmet Iron Rear Hubs

Accuride 28828 2 Hand 22.5 X 8.25 10 Hub Pilot Steel

Introduced on: January 18, 2023
Adopted on: January 18, 2023
Special Res. Bear Wheel White

Nylon Wheel Guards Front And Rear All Interfaces

Wheel-Check High Visibility Green Loose Wheel Nut Indicator On All Wheels

One (1) Spare Front and One (1) Spare Rear Tire with White Rims

Paint

Chassis to Be Painted Chestnut Elite. Paint Code: 00751963EY

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (Cont'd)

1B. Solid Waste Options (Shall consist of all of the following items) (Cont'd)

Equipment to Be Installed Behind Headache Rack

150 Amp Master Tarp Disconnect Switch Inside Cab

Waterproof 150 Amp Reset Breaker In Battery Box

Tarp Cable Connector Model # 3BY23 or equal

One Tarp Cable Connector Mounted To Bulkhead For Tarp Cable Storage

Hydraulic Specifications For Walking Floor Trailer And Lowboy Specialty Equipment Trailer

Fixed Displacement Pump With Hot Shift PTO.

The Hydraulic Pump Shall Be A Parker P-350, Fixed Displacement With 2.0” Gear.

Minimum Pump Displacement Is 5.11 Cid.

Pump Shall Supply 25 To 30 GPM’s At 1200 Rpm’s.

Pump Shall Be Bi-Rotational Or Uni-Rotational Design.

Hydraulic Pump Must Be Self-Lubricating.

Pump Shaft Shall Have 1 Inch With 15 T-Spline.

Pump Shall Be PTO Mount With 2 Or 4 Bolt B-Flange.

Pump Must Mount Directly To A Chelsea “Hot Shift” PTO On Allison 3000 And 4000 Series Transmissions Without Requiring Bent Axis Or External Mounting Hardware

Pump Must Be Rear Ported

COMPLIANCE PAGES FOR MOTOR VEHICLE: TRACTOR

Installer Must Be Authorized To Preform Warranty Repairs If Required.

Such authorization shall be included with bid submission.

Hydraulic Pump Shall Be A Parker Model P350 Or Equal.

Parker DVG 20 Proportional Valve Group:

The Central Hydraulic Valve System Shall Be A Mobile Design To Withstand Exposure To De-Icing Chemicals And Severe Weather Conditions.

The System Shall Provide Hydraulic Oil To Operate A Walking Floor Trailer And Lowboy Special Equipment Trailer.

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1B. Solid Waste Options (Shall consist of all of the following items) (Cont'd)

Parker DVG 20 Proportional Valve Group: (Cont'd)

The Spool Valve Sections Shall Be Of Cast Iron Construction, Horizontally Stackable And Serviceable Without Disassembly.

The Directional Control Valves Shall Be Cable Actuated.

Valve Sections Must Be Adjustable For Pressures Up To 3500 Psi And Flow Ratings Up To 25 To 30 GPM.

Where Required Each Section Must Be Able To Limit The Operating Pressure With Adjustable Relief.

Each Directional Valve Section Must Have A Built-In Check Valve Prevents The Oil From Flowing Back To Tank. Each Section Must Have A Manual

Over-Ride With Lever Included.

Valves Must Mount With All The Work Ports Facing Up.

There Shall Be Main Pressure Relieve Set At 3500psi To Protect Against System Over-Pressurization.

The Walking Floor Section Shall Supply 35 GPM At 2900psi.

The Lowboy Section Shall Supply For The Walking Floor Trailer 10 GPM At 1500psi

Parker Valve Actuation With Push Pull Cable Controls

Controls LeverS Shall Be Single Axis Cable Actuation With Return To Center For Safety.

There Shall Be A Combination Of Single Axis De-Tented Levers Stacked Together For Operation Of The Walking Floor And Lowboy Trailer.

- Cable Core Shall Be Nylon Covered Stainless Steel Capable Of 100lb Of Push / Pull.
- Cable To Valve Connection Shall Be Clevis Ends With Mounting Bracket And Single Nut Adjustment With Locking Nut.
- The Controllers Shall Be Mounted In Cab Inside A Totally Enclosed Single Tower.

Reservoir And Filter

- Reservoir Shall Be A Chassis Mounted With 60 Gallon Capacity.
- The Return Line Shall Have A 25 Micron Return Filter Rated At 45-50 GPM Per Minute.

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1B. Solid Waste Options (Shall consist of all of the following items) (Cont'd)

Reservoir And Filter (Cont'd)

- Hydraulic Quick Connects To Be G95111-1616 Gates and G95121-1616 Gates
- Extra Set Mounted To Bulkead for Hose Storage
- Hoses Are To Be ¾ Inch, 11-Foot Long
- All Hydraulic Hoses Are to Have A Blind Side Quick Disconnect Mounted On Headache Rach for Safe Storage
- 2" Ball Valve Mounted On Hydraulic Tank For Suction Line Going To The Hydrualic Pump
- A Relief Valve Will Be Installed To Prevent System From Over Presurizing When Hoses Are Not Hooked Up

1C. Diagnostic Tools / Test Equipment

Cummins Quickserv Unlimited Service plan, with renewals, shall be provided at no cost to the county for a period of five (5) years from the acceptance of the equipment

1. Successful bidder shall be required to supply between one (1) and three (3) Complete sets of testing/diagnostic/programming equipment (i.e. Laptop, Software, cabling, and adapters) and special tools required to perform the Full range of diagnostic and maintenance actions necessary to maintain Vehicle operability. This equipment will cover the vehicle chassis, engine, Transmission, brakes, hydraulics, and all additional equipment (if applicable)
2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software

3. Provide a list of all test/diagnostic/programming equipment and special tools

- | | | |
|---|-------------------------------------|--------------------------|
| 4. All software installations and activations will be completed by the successful bidder at no cost to the county | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. All software updates and renewal will be provided at no cost to the county for a period of five (5) years from the acceptance of the equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the county for a period of five (5) years from the acceptance of the equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Training shall be provided on all items in this section at a specified county location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1D. Two-Way Radio Power and Wiring Requirements for New Vehicles

For the purpose of installing two-way radios into new county vehicles and equipment, The following power and wiring components shall be included:

- #12 AWG red wire connected to 12vdc battery source rated at 20 amps
- #12 AWG black wire connected to chassis ground
- #16 AWG yellow wire connected to 12vdc ignition sense rated at 5 amps

Wires shall be encased in plastic wire loom and routed from their source into the Cab of the vehicle and secured in the vicinity of the operator. Wiring harness shall be Clearly labeled "two-way radio". Wires shall be unterminated. 12vdc sources Shall be protected from making contact with grounded metal surfaces

1E. Installation of County Supplied Two Way Radio and Accessories

Install is to include but not limited to antenna cable, mounts, speakers, brackets, etc. For the purpose of installing two-way radios into new county vehicles and equipment, The following power and wiring components shall be included:

1. #12 awg red wire connected to 12vdc battery source rated at 20 amps.
2. #12 awg black wire connected to chassis ground.
3. #16 awg yellow wire connected to 12vdc ignition sense rated at 5 amps.

These wires shall be encased in plastic wire loom and routed from their source into The cab of the vehicle. The wiring harness shall be clearly labeled "two-way radio". The 12vdc sources shall be protected from making contact with grounded metal surfaces.

1F. Technical Support

Technical support is to be provided by factory authorized technical representatives and Is to be the original equipment manufacturer's industry standard technical presentation In a classroom setting. The support provided shall be at the journeyman/equipment technician Level and should address limited theory, fault diagnosis and repair pertaining specifically

to the equipment supplied under this specification.

Technical support may be requested in the following areas:

- Engine (cooling, fuel, ignition, lubrication systems) – 1 day at each location.
- Transmission – 1 day at each location
- Electrical – 1 day at each location
- Brakes – 1 day at each location
- Hydraulic system (dump body, spreader, snow plow) – 1 day at each location
- Upfitter (dump body, sweeper, etc.) – 1 day at each location

A technical representative(s) shall be made available for a total of 180 training/support Hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days will be

Allowed only with consent of vehicle services. The total training hours will be required

ITEM #1 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1F. Technical Support

To be provided and no additional compensation will be considered. The actual time to be Spent on each area will be by mutual agreement of the vehicle services department and The successful bidder.

For the purposes of determining materials and other training costs, class size is Anticipated to be comprised of six (6) to ten (10) vehicle services department personnel. Actual class size will be determined by the vehicle services department at the time the classes are scheduled.

Before the training is scheduled, vehicle services and the contractor will agree on the Scope of the training, and the type and quantity of manuals, etc. That are necessary for Proper coverage.

Technical support for vehicle services may be provided at the following fleet Maintenance facility location as scheduled by a vehicle services department Representative:

- Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (two (2) sessions will be provided at this location. One beginning at 7 am and another beginning at 1:30 pm)
- Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050

Technical support for other departments will be held at a location within Ocean County. The requesting department will notify the successful bidder of The location. Training at the successful bidder's site, rather than the designated Locations, will be by mutual consent only. Technical support will be requested And scheduled on an as needed basis up to but not exceeding the 180 hours total During a period not to exceed twelve (12) months from the date of placing the