

Ocean County Board of Commissioners

OFFICE OF THE OCEAN COUNTY COMMISSIONERS

Director Gary Quinn Deputy Director Gerry P. Little Commissioner Virginia E. Haines Commissioner John P. Kelly Commissioner Joseph H. Vicari

101 Hooper Avenue Toms River, New Jersey 08754-2191

Tel: (732)929-2005 Fax: (732)505-1918

Board Meeting Agenda

Date: November 17, 2021 - 4:00 PM

Location: Administration Building

Room 119

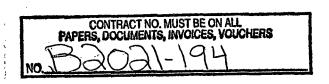
101 Hooper Avenue Toms River, NJ 08754

Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS to Robert H. Hoover and Sons, Inc., the sole qualified bidder. (B2021-194)

Official Resolution#			2021001590					
Meeting Date			1	1/1	7/2	021	1	
Introduced Date			1	1/1	7/2	021		
Adopted Date			1	1/1	7/2	021		
Agenda Item			k	:-6				
CAF#			Γ					
Purchase Req. #		B2021-194						
Result			Adopted					
COUNTY COMMISSIONER	PRES.	ABS.		MOVE	SEC	AYE	NAY	ABST.
Quinn	~					~		
Little	~					~		
Haines	~			~		~		
Kelly	~					~		
Vicari	~				~	~		

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 1. Gunther Clerk Of The Board



RESOLUTION

November 17, 2021

WHEREAS, on October 26, 2021, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS for the County of Ocean; and

WHEREAS, at the advertised time, one response was received from the following bidder:

Name of Bidder

Address of Bidder

Robert H. Hoover and Sons, Inc.

149 Gold Mine Road Flanders, NJ 07836 (973) 347-4210

; and

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

NOW, THEREFORE, BE IT RESOLVED by the BOARD 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 Vehicles: Triaxle Dump and Tractor Trucks, for the County of Ocean, for the contract period from date of award through November 16, 2022, 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 & SONS, INC. for nineteen (19) items, to wit: ITEMS NO. 1, 1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1j, 1k, 2, 2a, 2b, 2c, 2d, 2e and 2f. For a Total Lump Sum Award Item 1 (Items 1 - 1k) of \$4,043,734.00. For a Total Lump Sum Award Item 2 (Items 2 - 2f) of \$2,366,236.70. 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: Roads, Solid Waste Management and 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 B2021-194.
- 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, Roads, Solid Waste Management, Vehicle Services and Robert H. Hoover and Sons Inc., the successful bidder.

Adopted on: Official Resolution#: 2021001590 PROPOSAL DOCUMENT REPORT
BId No. TBD
MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS

PRICE TABLES

ITEM #1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH PLOW AND SPREADER, AS SPECIFIED, OR EQUAL

Line Item	Description	Qty.	Max. Qty.	Unit of Measure	Unit Cost	Total	Comments
. 1	Model Year 2023 Western Star 49X SF Specialized Dump Truck with Plow and Spreader, As Specified, or Equal	1	10	EA	\$318,533.00	\$3,185,330.00	
OPTIONS			-l		1	L	
1a	Heavy Duty Heated Crossmemberless Stainless Steel Dump Body Under Options, As Specified	1	10	EA	\$3,920.00	\$39,200.00	
1b	Freedom 2.2 Spreader Control in Lieu of Manual Specification, As Specified	1	10	EA	\$2,812.50	\$28,125.00	
1c	Central Hydraulic System (Electric Proportional Plow/Granular Controls Specifications) In Lieu of Manual Controls, As Specified	1	10	EA	\$45,920.00	\$459,200.00	
1d	Paint for Dump Body, As Specified	1	10	EA	\$3,360.00	\$33,600.00	-
1e	Road Department Paint Color Scheme, As Specified	1	10	EA	\$1,426.00	\$14,260.00	
1 f	Spreader Leg Stands, As Specified	1	10	EA	\$4,440.80	\$44,408.00	
1g	One-Way Plow with QCP, As Specified	1	10	EA	\$12,596.00	\$125,960.00	
1h	Diagnostic Tools/Test Equipment, As Specified	1	3	EA	\$20,417.00	\$61,251.00	
11	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	1	10	EA	\$500.00	\$5,000.00	
1 j	Installation of County-Supplied Two-Way Radio and Accessories, As Specified	1	10	EA	\$740.00	\$7,400.00	
1k	Technical Support, As Specified	1	80	HOUR	\$500.00	\$40,000.00	
TOTAL					1		,

Introduced on: November 17, 2021

Adopted & ROPOSAL DOCUMENT REBORT

Official Residutiva OFF CRO2/199116925: TRIAXLE DUMP AND TRACTOR TRUCKS

Page 8

PROPOSAL DOCUMENT REPORT Bid No. TBD

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS

ITEM #2 - MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR 49X TRACTOR, AS SPECIFIED, OR EQUAL

Line Item	n Description	Qty.	Max. Qty.	Unit of Measure	Unit Cost	Total	Comments
2	Model Year 2023, or Newer, Specialized Western Star 49X Tractor, As Specified, or Equal	1	10	EA	\$187,046.00	\$1,870,460.00	
OPTIONS					1	<u>L</u>	
2a	Road Department Options (Shall Consist of All Items Listed), As Specified, or Equal	1	10	EA	\$18,982.98	\$189,829.80	
2b	Solid Waste Options (Shall Consist of All Items Listed), As Specified, or Equal	1	. 10	EA	\$14,229.59	\$142,295.90	
2c	Diagnostic Tools/Test Equipment, As Specified	1	3	SET	\$20,417.00	\$61,251.00	
2d	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	1	10	EA	\$500.00	\$5,000.00	
2e	Installation of County-Supplied Two-Way Radio and Accessories, As Specified	1	10	EA	\$740.00	\$7,400.00	
2f	Technical Support, As Specified	1	180	HOUR	\$500.00	\$90,000.00	
TOTAL			- 		k		

Introduced on:

Adopted on:

Official ResidutMAT 282/16/H 696:S: TRIAXLE DUMP AND TRACTOR TRUCKS

Page 9

Official Resolution#: 2021001590

ITEM#1-MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH 6-6 PLOW AND SPREADER, AS SPECIFIED OR EQUAL

Manufacturer/Model: Western Star 49X SF Engine: Cummins X15 Transmission: Allison 4700 RDS Warranty: 1 Year and Extended Warranty Per Specs Delivery, A.R.O.: 300 Days **COMPLIANCE GENERAL** 2023 WESTERN STAR 49X SF X Set forward axle \boxtimes Lh primary steering location \boxtimes **DIMENSIONS** Front axle 20,000 lbs. X Pusher axle 20,000 lbs. \boxtimes Rear axle 52,000 lbs. X \Box Registered gywr 80,000 lbs.; cg tags X **ENGINE** Cummins x15 performance series 14.91, 912 cid minimum 500v hp @ 1900rpm. \boxtimes Gov 2000 rpm, and 1850 lb.-ft. Torque @ 1150rpm. X Must be in line 6 cylinder of wet sleeve design utilizing hardened Cylinder liners, and electronics for simple service and diagnosis as needed. \boxtimes Minimum displacement shall be 14.9 liters. \boxtimes Engine must comply with latest federal mandate for diesel emissions. Should an Alternate power plant be offered the bidder must provide, all necessary technical data to show proof of equality including Maintenance schedules. \boxtimes ENGINE EQUIPMENT Engine must have latest 50 state clean idle diesel emission certification \boxtimes Oil check and fill: engine mounted \boxtimes Adopted on: November 17, 2021

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/ITEM#1-MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TREER-RITH6-7 PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)

	COMPLIA	
ENGINE EQUIPMENT (Cont'd)	<u>YES</u>	<u>NO</u>
Air intake: under hood mounted air intake with precleaner integrated into hood with inside/outside air snow door	\boxtimes	
Alternator: 200 amp 28 si with remote battery volt sense		
Batteries: (4) 12-volt gnb maintenance-free 4000 CCA		
Battery box: frame-mounted stack battery box LH or RH side back of cab	\boxtimes	
Positive load disconnect control switch mounted under dash or floor	\boxtimes	
Remote jump start studs mounted on frame next to starter	\boxtimes	
Silicone heater/radiator hoses where possible	\boxtimes	
Compressor: Cummins 18.7 CFM with internal safety valve	\boxtimes	
Engine protection: electronic engine-integral warning system with shut down function		
Engine brake: Cummins intebrake compression brake with on off switch and low, med and high retardation switch	\boxtimes	
Exhaust: single right-hand under cab ATD with bright finish upper 11' vertical stack cab mounted	\boxtimes	
2-piece fan shroud and rear rock guard	\boxtimes	
Exhaust shield: stainless steel		
Fan drive: electronically controlled variable speed automatic control with dash switch and light	\boxtimes	
13 gallon diesel exhaust fluid tank	\boxtimes	
Non-polished aluminum cover for def tank	\boxtimes	
Oil filter: full-flow	\boxtimes	
Fuel filter/water separator: Detroit engine mounted with water in fuel Indicator	\boxtimes	
Introduced on: November 17, 2021 Radixted 1400 square frem 30 2016 service assembly bolted to engine Official Resolution#: 2021001590	\boxtimes	

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ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)

	COMPLIAN YES	NCE NO
ENGINE EQUIPMENT (Cont'd) Heavy-duty coolant: -34 oat extended life	\boxtimes	
Coolant hoses: silicone where possible	\boxtimes	
Hose clamps: constant tension for coolant hoses and air intake system	\boxtimes	
Engine heater: Philips 1500w/115v	\boxtimes	
Chrome heater receptacle: mounted under driver's door	\boxtimes	
Cast iron front and rear engine supports	\boxtimes	
Starter: Delco 12v 39 MT+ HD OCP		
TRANSMISSION AND EQUIPMENT Allison RDS 4700 automatic transmission with PTO provision		
Programming for 70 mph output speed	\boxtimes	
S1 performance primary shift schedule	\boxtimes	
1800 rpm primary mode shift speed	\boxtimes	
Disable-load based shift schedule	\boxtimes	
Transmission prognostics-enabled	\boxtimes	
PTO mounting LH & RH side of main transmission	\boxtimes	
Water to oil transmission cooler	\boxtimes	□ .
Magnetic plugs, engine drain	\boxtimes	
Transmission drain, axle(s) fill & drain	\boxtimes	
Dash mounted push button shift control	\boxtimes	
Synthetic transmission fluid	\boxtimes	
Transmission: oil checkennd filewith electronic oil level check Adopted on: Official Resolution#: 2021001590		

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/<u>ITEM#1-MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH PLOW AND SPREADER, AS SPECIFIED OR EQUAL</u> (CONT'D)

	COMPLIAN YES	NCE NO
FRONT AXLE AND SUSPENSION Meritor 20000# front axle		
Meritor 16.5 x 6 q+ high capacity cast spider cam front brakes	\boxtimes	
Brakes, double anchor, fabricated shoe	\boxtimes	
Non-asbestos front brake lining severe service		
Conmet cast iron front brake drums	⊠	
Front brake dust shields		
Front oil seals	\boxtimes	
Seals		
Stemco aluminum vented front hub caps	· 🖂	
With window and center+side plugs – oil	\boxtimes	
Synthetic 75w-90 front axle lube	\boxtimes	
Haldex automatic front slack adjusters with stainless steel clevis pins	\boxtimes	
Bendix high capacity 20-23k power steering with rh auxiliary gear	\boxtimes	
Power steering pump oil air cooler	\boxtimes	
4 quart power steering see thru reservoir	\boxtimes	
23,000# flat leaf front suspension	⊠ .	
Threaded spring pins and bushings	\boxtimes	
Front shock absorbers	\boxtimes	
REAR AXLE AND SUSPENSION Meritor rt-52-185 52000# tandem rear axle		
Introduced on: November 17, 2021 Fargonted not alled Waxembachain sl-2065 Tru-Track 20000# air lift Official Resolution#: 2021001590	\boxtimes	

Res-Pg:k.6-10

ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)

	COMPLI YES	ANCE NO
REAR AXLE AND SUSPENSION (Cont'd) Steerable pusher suspension with 16.5x6" brakes, dust shields and		
FL 1 Watson/chalin 20000# axle		
Pusher axle controls in cab, up/down valve, gauge and air pressure regulator	\boxtimes	
Reverse lift axle warning with last state retention	\boxtimes	
Air piping for liftable pusher axle controls mounted inside cab	\boxtimes	
52" pusher axle spacing	\boxtimes	
Iron rear axle carrier housing	\boxtimes	
SPL250HD XL Dana Spicer main driveline w/half round yokes	\boxtimes	
SPL170 XL Dana Spicer interaxle driveline w/half round yokes		
Driver control differential lockout rear/rear with indicator light for traction device	\boxtimes	
Synthetic 75W-90W all axles		
Meritor 16.5x7" P cam double anchor cast shoes	\boxtimes	□ ·
Non-asbestos rear brake lining	\boxtimes	
Webb cast iron rear brake drums	\boxtimes	
Rear brake dust shields	\boxtimes	
Haldex automatic rear slack adjusters with stainless steel clevis pins		
Rear oil seals	\boxtimes	
Bendix eversure longstroke 2-drive axle spring		
Forward of axle mounted parking chambers	\boxtimes	
Standard spindle nuts for all axles	\boxtimes	
Introduced on: November 17, 2021 The state of the state		

Page 6 of 71

Res-Pg:k.6-11

Standard ride height	D DIMO TRUCK	
ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZE PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	D DOMP TRUCK	WIII
	COMPL YES	IANCE NO
REAR AXLE AND SUSPENSION (Cont'd) 56" axle spacing	 	
Fore/aft and transverse control rods	\boxtimes	
Rear shock absorbers – one axle	\boxtimes	
BRAKE SYSTEM EQUIPMENT Wabco 4S/4M ABS without traction control	\boxtimes	
Reinforced nylon, fabric braid & wirebraid chassis air lines		
Bendix brake valves where possible	\boxtimes	
Relay valve with 5.5 psi crack pressure	\boxtimes	
Air connections to end of frame with glad hands		
Bw ad-9si brake line air dryer w/heather	\boxtimes	
Air dryer frame mounted RH under cab	\boxtimes	
Aluminum air brake reservoirs	\boxtimes	
Cab blow out kit with air hose and nozzle	, ⊠	
Pull cables on all air reservoirs	\boxtimes	
FRAME AND WHEELBASE 242" wheelbase with 150"c/t usable		
$.59 \times 3.5 \times 12.4$ steel frame with $.236$ " inner c-channel reinforcement	X X	
120 KSI 40.42 SM, 4,849,851 RBM	\boxtimes	
58 in. Overhang	\boxtimes	
24" integral front frame extension		
Undersite grossmetabater 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590	\boxtimes	. 🗅

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Square end of frame

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ITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)

	COMPLIANCE		
FRAME AND WHEELBASE (Cont'd)	<u>YES</u>	<u>NO</u>	
Heavy duty ductile iron engine crossmember	\boxtimes		
Heavy duty steel rear closing crossmember			
Heavy duty steel construction back of transmission crossmember	\boxtimes		
Heavy duty steel bolted construction bolted midship #1 crossmember	\boxtimes		
Heavy duty steel bolted construction rear suspension forward crossmember	$\boxtimes_{}$		
Heavy duty steel bolted construction rear mounted suspension crossmember	\boxtimes		
CHASSIS EQUIPMENT/TRAILER CONNECTIONS			
7-way trailer plug end of frame	\B		
3/8" severe duty steel bumper or custom bumper for hitch mounting	⊠		
Phosphate-coated class 10.9 fine thread hex chassis fasteners	\boxtimes		
Exterior harnesses wrapped in abrasion tape, secondary covering and connector protection			
Air piping and electrical independently clipped to frame	\boxtimes		
FUEL TANKS AND EQUIPMENT			
Single 70 gallon aluminum, minimum	\boxtimes		
LH fuel tank mounted forward			
25" diameter fuel tank(s)	. 🛛	Π,	
Aluminum fuel tank bracket(s)	\boxtimes		
Plain aluminum fuel tank with polished stainless bands	\boxtimes		
Alliance fuel/water separator with heated bowl	\boxtimes		
Equiflo inboard fuel system	\boxtimes		
Introduced on: November 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590			

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MOTOR VEHICLES: TI	RIAXLE DUMP AND T	TRACTOR TRUCKS	Pa	age 8 of 71			
High temperature reinforced nylon fuel hose			⊠ Res-l	² g:k <u>ւ</u> 6-13			
No fuel cooler	. ,		\boxtimes				
	/ ITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK WITH PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)						
DVIDY (DANIZO AND VIZ			COMPLI YES	IANCE NO			
FUEL TANKS AND EQ In tank fuel level sender	¿UIPMENT (Cont'd)		\boxtimes				
FRONT TIRES, HUBS Michelin XZY-3 425/65F			⊠ .				
Conmet iron front hubs			\boxtimes				
Accuride 29807 4.75 inse	t 5 hand hd 22.5x12.25	10-hub pilot steel disc front whee	els 🗵				
REAR DRIVE & PUSH Michlein xds2 11r 24.5							
Webb iron rear hubs	·		<u> </u>				
Accuride 28827 2 hand 24	4.5x8 .25 10-hub pilot s	steel	\boxtimes				
Steel disc rear wheels			\boxtimes	, _□			
Michelin XZY-3 425/65R	22.5 20 ply pusher tires	s (2)					
Accuride 29807 - 22.5 x 1	2.25" 4.75" inset 5 han	d 10 hub pilot pusher wheels					
Nylon wheel guards front	and rear all interfaces						
Wheel-Check High Visibit Wheels	ility Green Loose Whee	el Nut Indicator On All	\boxtimes				
CAB EXTERIOR Lower Right Hand Door V	Window with Fresnel Lo	ens	\boxtimes				
121" BBC conventional st	teel reinforced aluminur	m cab					
Galvanized E coated seale	ed steel door construction	on					
Forged steel door hinges	with steel reinforced "a"	' pillar					
Triple door seal system Adopted on: Official Resolution#: 20210015	er 17, 2021			<u> </u>			
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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page 9 of 71		
Non-removable bug screen	⊠ Res-	Pg:k _⊑ 6-14	
Front cab mounts outboard of frame for stability or when taking off and applying torque from engine	\boxtimes		
ITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED D	UMP TRUCK	WITH	
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)			
	<u>COMPL</u> <u>YES</u>	<u>IANCE</u> <u>NO</u>	
CAB EXTERIOR (Cont'd) Bolt on molded fender extensions	\boxtimes		
LH/RH exterior grabhandles with rubber insert and RH interior grab handle MTB to reinforced 'A' post	\boxtimes		
Stainless steel radiator mounted grille	\boxtimes	<u> </u>	
Stainless steel radiator shell/hood bezel with tilt hood handle	\boxtimes		
Molded resin hood with isolated hood suspension mounting system	, 🖾		
Hood opening strut assist with safety lock	<u> </u>		
Two (2) Hadley sd-978 26" rect air horns	\boxtimes		
Single electric horn	\boxtimes		
Horn shields	\boxtimes		
All locks keyed the same; must have six (6) keys			
Dual stage LED headlights with heated light system	\boxtimes		
Aerodynamic LED marker lights in stainless steel visor	\boxtimes		
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 standard front turn signal lamps	\boxtimes		
Dual C bar mirror system bright finish c-bar, heated mirrors, dual remote, turn signal, stanless steel back cover with integral convex	\boxtimes		
Door mounted mirrors with control switches on door panels	\boxtimes		
102" equipment width Movember 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590	⊠		
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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		age 10 of 71
LH/RH heated hood mounted side view mirrors, black finish	⊠ Kes	s-Pg:k <u>_</u> 6-15
Stainless steel exterior sun visor		
3 piece solar tinted impact resistant polycarbonate rear window configuration (1) 31 x 20" (2) 9 x 20" ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	⊠ MP TRUC	□ K WITH
	COMP	LIANCE
	YES	NO NO
CAB EXTERIOR (Cont'd) Tinted door glass LH & RH tinted	\boxtimes	, □ ,
Electric door window regulators	\boxtimes	
1 piece tinted roped in seal mounted full grid heated windshield	\boxtimes	
2 gallon windshield washer reservoir with fluid level indicator	\boxtimes	
CAB INTERIOR Gray vinyl premium interior	\boxtimes	
Black mats with double insulation		
12 volt power supply in dash	\boxtimes	
Dash mounted ash tray & lighter		
Forward roof mounted console		
Map pockets, left and right doors	\(\sum_{\chi}\)	
Cab Coat hook(s)		
Wraparound wing dash with six digital gauges in driver command center and up to 13 gauges on the dash	\boxtimes	
5 lb. Fire extinguisher mounted	\boxtimes	
Heater, defroster and air conditioner		. 🗆
Main HVAC with constant temp control and cosmetic cover main fresh air inlet with fresh air filter	\boxtimes	
Standard heater plumbing with ball shut off valves at supply lines	\boxtimes	
Introduced on: November 17, 2021 Afficial Resolution#: 2021001590		
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MOTOR VEHICLES: TRIAXLE DUMP A	ND TRACTOR TRUCKS	٥	elloi/l
•		Res-P	g:k.6-16
Radiator MTD A/C condenser		\boxtimes	
R-134A refrigerant			
Cab insulation w/additional noise/thermal tr	reatment front & back walls	\boxtimes	
ITEM # 1 - MODEL YEAR 2023 WEST	ERN STAR 49X SF SPECIALIZED D	UMP TRUCK	WITH
PLOW AND SPREADER, AS SPECIFIE	CD OR EQUAL (CONT'D)		
		COMPLL	ANCE
CAD INTEDIOD (Contd.)		<u>YES</u>	<u>NO</u>
CAB INTERIOR (Cont'd) Centralized logic controllers in main dash el ECU and TEM programmable modules	lectrical panels, houses VPDM onboard		
Multiplexed electrical system	•		
Color-coded and laser-etched wiring		\boxtimes	
Premium LED cab lighting	ر		
Cab door latches with electric door locks		Ø	
Triangular reflectors without flares		\boxtimes	
Elite high back air suspension driver and pas support, integrated cushion extension, forwar adjustable shock absorber inboard and outbo	ard and rear cushion tilt, with heat and	\boxtimes	
Gray vinyl driver and passenger seat cover		\boxtimes	
3-point driver & passenger seat belts includi	ing seatbelt retractor	\boxtimes	
Adjustable tilt and telescoping steering colu	mn	\boxtimes	
450mm (18") black steering wheel with mul	tifunction integrated controls	\boxtimes	
Driver/passenger interior sun visors		\boxtimes	
INSTRUMENT PANELS AND CONTROL Wrap around dash that allows up to 13 gaug to six (6) digital gauges		\boxtimes	
Panel with teak color surround w/round gauge	ges		
Teak color center access instrument panel Adopted on: Official Resolution#: 2021001590			
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MOTOR VEHICLES: TRIAXLE DU	JMP AND TRAC	TOR TRUCKS	Page 12 of 7	
Low air pressure light and buzzer	•		⊠ Res-	Pg:k <u>-</u> 6-17
Primary & secondary air pressure gar	uges	,		
Intake mounted air restriction gauge			\boxtimes	Ö
87 db to 112 db self-adjusting backu	p alarm	•	\boxtimes	
ITEM # 1 – MODEL YEAR 2023 Y PLOW AND SPREADER, AS SPE			MP TRUCK	<u>WITH</u>
THOW AND STREADER, AS STE	CHIED ON EQ	OTIL (CONT D)		
•			COMPL	
INSTRUMENT PANELS AND CO	NTDALS (Cont	; ₄)	<u>YES</u>	<u>NO</u>
Cruise control-electronic, controls or	•	u)	\boxtimes	
cruise control-electronic, controls of	i steering wheer			_
Electronic mph speedometer and 250	00 rpm tachometer		\boxtimes	
Key operated ignition switch & integ	ral			
Start position, four (4) position off/ru	ın/start		\boxtimes	
Headlights on with wipers with dayti	me running lights			
Auxiliary PDM for TEM use			\boxtimes	
Electric fuel gauge				
Electrical engine coolant temp gauge	:	-	\boxtimes	
Transmission oil temperature gauge				
Engine and trip hour meters integral	within driver displ	lay	\boxtimes	
Engine oil pressure gauge			☒	
AM/FM WB world tuner cd stereo ra	adio with Bluetoot	h, iPod interface		
USB and auxiliary inputs, J1939				
Two (2) radio speakers (cab only)			\boxtimes	
Headliner multi-band antenna AM/F	M/Weatherband, V	Wi-Fi/Bluetooth, GNSS/GPS	$\boxtimes_{\underline{}}$	
Electronic outside temperature senso	r display in driver	message center	⊠.	
Pihroswitch and forwy (4) class 12020 unto Adopted on: November 17, 2021 Official Resolution#: 2021001590	ed aux.switches W	TH indicator lights	\	
N.			-	
The standing of Peter Profes	The course of th	See The Company of the	A colored Control Control	

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page 13 of 7	
Engine, trip and PTO hour meter within driver display	⊠ Res-Pg:	k <u>-6</u> -18
Hand control valve	\boxtimes	
Voltmeter	\boxtimes	
Rotary headlamp switch, marker lights/headlights switch with pull out for optional road lamps		
/ <u>ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF-SPECIALIZED DUM</u> PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	P TRUCK W	<u>ITH</u>
	COMPLIAN	
INSTRUMENT PANELS AND CONTROLS (Cont'd) Wiring and switch for customer furnished snow plow lamps with dual connections	<u>YES</u>	<u>NO</u>
at bumper	\boxtimes	
Switch indicator light and 10' of wire on chassis LH back of cab for customer furnished utility lights		
Two (2) valve parking brake system		
Self-cancelling turn signal switch with integral head lamp dimmer headlamp flash, wash wipe intermittent		
Heavy duty electronic flasher	\boxtimes	
PAINT/FINISH		
Rail black high solids		
Paint shall be base coat clear coat. Colors shall come from standard color chart or Ocean County Road Department Color Scheme as found in options	X ·	_ 🗆
Chassis frame: Polyurethane	\boxtimes	
Wheels/Rims: Rear/pusher wheel color: vendor powder black	\boxtimes	□ <i>'</i>
Front wheel color: Vendor powder black	\boxtimes	□ ,
UNDERCOATING Entire truck chassis, underside of cab and underside of body to be coated with Tectyl 2423 haps free black, which is a low VOC, high solids, emulsion corrosion		
Preventive coating, or equal	\boxtimes	
WARRANTY		
Blasicoveriele - 1 y aver 50 000 20 1 es Adopted on: November 17, 2021 Official Resolution#: 2021001590		
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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page 14	4 of 71
Battery - 1 year, 50,000 miles	⊠ Res-Pg:I	k <u>-</u> 6-19
Brightwork – 6 months, unlimited		
Cab corrosion/perforation – 5 years, unlimited	\boxtimes	
Cab structure – 1 year, 100,000 miles	\boxtimes	
ITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	P TRUCK WI	<u>TH</u>
THOW AND STREADER, AS STECHTED ON EQUAL (CONT. D)		
	COMPLIANO YES	<u>CE</u> NO
WARRANTY (Cont'd)		
Corrosion – 6 months, unlimited		
Crossmembers – 3 years, 300,000 miles	\boxtimes	
Diesel Emission 2010 – 5 years, 100,000 miles	\boxtimes	
Greenhouse Gas 14/17 (medium heavy duty to heavy heavy duty trucks/tractors) –		
5 years, 100,000 miles		
Greenhouse Gas 14/17 tire (file direct) – 2 years, 24,000 miles		
Frame rails – 3 years, 300,000	\boxtimes	
Front/steer axle: Detroit - 1 year, unlimited	\boxtimes	
Front/steer axle: non-Detroit – 1 year, 100,000 miles	\boxtimes	
Paint – 1 year, 50,000 miles		
Paint, chassis – 6 months, unlimited	\boxtimes	
Rear axle: Detroit – 1 year, unlimited		
Rear axle: non-Detroit – 1 year, 100,000 miles	\boxtimes	
Towing – 5 years, unlimited miles	\boxtimes	
Cummins 5 year 100,000 mile engine and ATS warranty	\boxtimes	
Cummins protection plan i:		
 Internal components, major engine systems and major components Registered parts and labor 	_	
Introductovers the following, including mounting hardware and gaskets: cylinder head Adopted on: mbly, November 17 2021001550 Dock assembly, Rocker level assembly, ECM, piston, rings		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Pag	ge 15 of 71
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		
Allison 7 year unlimited miles transmission warranty		
ITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIAL	IZED DUMP TRUCK	<u>WITH</u>
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)		
	<u>COMPLI</u> <u>YES</u>	NO
SPECIFICATIONS FOR BRANDON HEAVY DUTY HEATED CROS STEEL DUMP BODY	SMEMBERLESS STA	INLESS
Model #SSHD176066 304 acid wash, or equal	\boxtimes	
GENERAL Floor ¼" 450 Brinell	\boxtimes	
Front 3/16" Stainless Steel 304		
Sides 3/16" Stainless Steel 304		🗔
Tailgate 3/16" stainless steel 304		
Long sills 3/16" 250 Brinell steel	. 🗵	
Outside body width – 96"	\boxtimes	
Hoist attachment – front mount	\boxtimes	
Front design – 12" hoist recessed 90° corners	\boxtimes	
Front height including longsills – 72"	\boxtimes	
Longsills shape – formed 10"		. 🗖
34" longsills outside width	\boxtimes	
27" longsills inside width	\boxtimes	
Sandblasts and primer – glass bead blasting	\boxtimes	

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Underbody to be painted chassis black

Introduced on: November 17, 2021 One dependency top or daying a te 17, 2021 Official Resolution#: 2021001590 \boxtimes

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Page 16 of 71 es-Pg:k.6-21
CABSHIELD		
Cabshield type – traditional		Ц
Cabshield length – 24"		
Cabshield width - 90" cabshield height - to be determined to match chassis height	\boxtimes	
Light holes configuration – 4 oval lights holes	\boxtimes	
VITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DI PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	UMP TRUC	CK WITH
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT. D)		
	COMI YES	<u>NO</u>
SPECIFICATIONS FOR BRANDON HEAVY DUTY HEATED CROSSMEMI STEEL DUMP BODY (Cont'd)	BERLESS S	STAINLESS
CABSHIELD (Cont'd)	_	
Cabshield installation		Ц
SIDE		
Side shape – formed side		Ц
Top rail section – formed	\boxtimes	
6" board pocket and intermediate bracket	\boxtimes	
Double walking rail; stainless steel		
3/8" stainless steel upper tarp rail		· /□
REAR		_
Double acting tailgate (lays flat or dumps through)	\boxtimes	Ц
Lock positioning – end point latch system	\boxtimes	
Bolster shape – standard flat rear bolster	\boxtimes	
Tailgate angle- straight	\boxtimes	
Locking system – air cylinder size 2.5"; push/pull air controls	\boxtimes	
Tailgate panel – Two (2) panels	\boxtimes	
HOIST Introduced on 160-6 November 17, 2021 Atolded Les 160-6 November 17, 2021 Official Resolution#: 2021001590		□ .
		The state and a state of the st

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Pa Res	ge 17 of 71 - Pg:k.6-22	
	TO BE INCLUDED Set of Filters For Cob/Ch	occia Drivo Troin And Unfit	\boxtimes	
One (1) Complete s	set of Filters For Cab/Ch	assis, Drive Train And Upfit		
5 Gallons of Recom	mended-Use Hydraulic	Fluid	\boxtimes	
One (1) spare front	tire and wheel and one (1) spare rear wheel and tire	\boxtimes	
INSTALLÁTION	PARTS			
40 ton cradle				
		ERN STAR 49X SF SPECIALIZED D OR EQUAL (CONT'D)	DUMP TRUCK	X WITH
			COMPL	
			<u>YES</u>	<u>NO</u>
SPECIFICATION STEEL DUMP BO		CAVY DUTY HEATED CROSSMEN	MBERLESS ST	AINLESS
INSTALLATION	PARTS (Cont'd)			
40 ton hoist bracket		•	\boxtimes	
40-50 ton upper cyl	inder blocks (2)		· · · · · · · · · · · · · · · · · ·	
MISCELLANEOU			_	_
One (1) oval stop/ta	il/turn light in each rear	corner post		
•		sed in a sealed waterproof		
Wiring harness (spl	it loom NOT ACCEPT.	ABLE)	\boxtimes	
One (1) set stainless	s steel stone guards – mo	unted on frame	\boxtimes	
Body and hoist shal	l come complete with m	anufacturer's safety decals		
And operating instru	uctions		\boxtimes	
•	ranted to be free from de ad service for a period of	fects in material and workmanship five (5) years	 	,
One (1) stainless ste	eel grab handle		\boxtimes	. 🗖
3M reflective tape of	on both sides of body and	l on 9-panel tailgate	\boxtimes	
Two (2) shovel hold	lers – one front, one rear		\boxtimes	
ACCESSORIES T	O BE INCLUDED			
Introduced on: No	vember 17, 2021	des of cabshield and two (2) in front		
		were an approximate of the state of the stat		
on the seminant state is referred to	or the state of th	The state of the s	comparing temperature * -	The second of th

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS of cab shield		18 of 71 g:k.6-23 □
All body lights shall be LED and Heated		
One (1) set of Meyer Saber heated and LED plow lights mounted on hood of chassis With stainless steel mounts. Location to be determined by county at time of build	\boxtimes	
Two (2) forward facing Whelen strobe lights mounted on snow plow lights bracket to be powered by its own switch, part # RSA03ZCR	\boxtimes	
ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	<u>IP TRUCK V</u>	<u> VITH</u>
SPECIFICATIONS FOR BRANDON HEAVY DUTY HEATED CROSSMEMBE STEEL DUMP BODY (Cont'd)	<u>COMPLIA</u> <u>YES</u> RLESS STAI	NO
ACCESSORIES TO BE INCLUDED Four (4) step double fold stainless steel folding ladder with grab handle; stainless Steps above ladder on outside and inside of body with stainless steel steps on side Of body	×	
2" x 6" oak wood side boards	- · · · · · · · · · · · · · · · · · · ·	
SPECIFICATIONS FOR PIONEER MODEL EDD 1500A-A TARP, OR EQUAL Side mount – steel framework	\boxtimes	
Roller assembly – telescopic 3 piece		
Left roller tube – 2.140" OD X 2" ID 6105-T6 aluminum extrusion with bushing and stainless streel roll pin to accept motor shaft	\boxtimes	
Right roller tube -2.140 " OD X 2" ID 6105-T6 aluminum extrusion with bushing. 1" OD 6061-T6 aluminum shaft and stainless steel oil pin	\boxtimes	
Center section – 1.960" OD X 1.820" ID 6105-T6 aluminum extrusion	⊠ .	
Bearing plates – ¼" H.R.S	\boxtimes	
Bearings – flange mounted sealed ball bearings	\boxtimes	
Roll mounting angles - 1 ½" x 2 x ½" steel angle	\boxtimes	
Direct drive gearmotor: mounted directly to left side roller. Worm and wheel Configuration. Permanently lubricated, sealed gearbox. 90 to 1 ratio. Output shaft Is supported by ball bearings on both ends. Output shaft is directly coupled to left-aider caller. Electrice materies. 85 horsepower. Aluminum gearbox housing. Prosted protective loves bearing. 321 output shaft. Motor is thermally protected official Resolution#: 2021001590		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		ge 19 of 71 - Pg:k.6-24
By automatic resetting circuit breaker.		
PIVOT ARM: FRAMEWORK Pivot arms: 1 5/8" OD X 11 gauge aluminum tubing; 2 piece construction	⊠	
Rear section: 1 5/8" OD X 11 gauge aluminum tubing	\boxtimes	
Bows: 1 5/16" OD X 11 gauge aluminum tubing	\boxtimes	
Arm mounting brackets: steel weldment ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DELOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	⊠ DUMP TRUCK	□ X WITH
SPECIFICATIONS FOR PIONEER MODEL EDD 1500A-A TARP, OR EQU	COMPL YES JAL (Cont'd)	IANCE <u>NO</u>
PIVOT ARM: FRAMEWORK (Cont'd)	<u> </u>	_
Base plate: ¼" H.R.S	\boxtimes	
Mounting hub: 4" OD steel tube		
Spring: reverse wound torsion spring – ½" diameter wire		
Wire PER ASTM A229 Class I	\boxtimes	
SPECIFICATIONS FOR CENTRAL HYDRAULIC MANUAL SYSTEM – ST	rainless en	CLOSURE
FABRIC Asphalt tarp		
CONSTRUCTION Seamless front to rear rectangular in shape, 85" wide, grommets on front And sides, pocket at rear	· 🗵	
WIRING AND ELECTRICAL All wire shall be 8 gauge stranded cable. All connectors are ring type, high Amperage self-centering rotary switch (momentary on – of – momentary on), Thermal reset circuit breaker (auto reset)		
PTO shall be of a hot shift design driven off the Allison automatic transmission. PTO shall have a direct mount rotatable pump flange. There shall be a console Mounted rocker switch to engage and disengage the PTO. Must be Chelsea.	\boxtimes	
HYDRAULIC PUMP WITH PTO		
Shall be on an open circuit axial piston design with adjustable compensator. Introduced on: November 17, 2021		
Painted Berating provember 11, 2021 Painted Berating provember 11, 2021 Official Resolution#: 2021001590		
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MOTOR VEHICLES: TR	IAXLE DUMP AND TRA	ACTOR TRUCKS	Pa Res	ge 20 of 71 • Pg:k.6-25
Differential required for the	ne controlled action.			
When the system is not de In an energy-saving stand-	- *	sense control will operate		
Minimum pump displacen at 2,000 rpm.	nent is 80cc/ 4.9 cubic inc	hes, delivering 42 GPM	\boxtimes	
	nent shall be 90 cubic cent dby pressure shall be 350	imeters continuously rate at psi.	 	
ITEM # 1 – MODEL YE PLOW AND SPREADE		'AR 49X SF SPECIALIZED DU QUAL (CONT'D)	JMP TRUCK	<u> WITH</u>
			COMPL YES	<u>IANCE</u> NO
SPECIFICATIONS FOR (Cont'd)	R CENTRAL HYDRAUI	LIC MANUAL SYSTEM – STA		
HYDRAULIC PUMP W	ІТН РТО		· ·	
Mounting is an SAE C 4-b	oolt flange			
Shaft is 1.25" diameter, 14	tooth splined		\	
Rpm is rated to 2300 (conf	tinuous) with pressure and	flow compensator control	\boxtimes	
Suction port minimMust use (4) m8 x	num 2.5" 16-8.8 mounting bolts	the following requirements:		
• Pressure port minir	oure port shall meet the fol num 1" sae-16 O-ring bos	- •	\boxtimes	
MOUNT Pump must mount directly Without requiring bent axi			\boxtimes	
Pump must offer mounting Offered in SAE and ISO to	•	configurations, and ports are	\boxtimes	
Side or end-ported models The pump to your space.	must be available to facil	tate plumbing and help fit	\boxtimes	
Multiple drain ports allow	many mounting orientation	ns - must be standard.	\boxtimes	
The system shall disengage	e the PTO is a low oil scer	vn with momentary override. nario should occur. The operator down to park all hydraulic		
Infolded on: November of the last of the l		-	\boxtimes	
Se and annual state of the	The street of th			A Commence of the commence of

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Res-Po	21 of 71 j:k.6-26
CONTROL VALVE GRENSON VALVE WITH PRIORITY FLOW INLET Central hydraulic valve system shall be a mobile design to withstand exposure to Deicing chemicals and severe weather conditions		
System shall provide hydraulic fluid to operate the dump body hoist, front plow, And granular spreader system		
Hydraulic system can run all hydraulic functions simultaneously without Inhibiting the action of the others	⊠ .	
/ /ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	MP TRUCK W	/ ITH -
SPECIFICATIONS FOR CENTRAL HYDRAULIC MANUAL SYSTEM – STAIL (Cont'd)	COMPLIA YES NLESS ENCL	<u>N</u> O
CONTROL VALVE GRENSON VALVE WITH PRIORITY FLOW INLET (Con	t'd)	
Valve sections shall be of cast iron, horizontally stackable, and Serviceable without disassembly	\	
Directional control valves shall be pre-compensated, proportional, And load independent	\boxtimes	
Valve system shall be closed center for variable displacement pump	\boxtimes	
Valve sections must be adjustable for pressure up to 5,500 psi and flow ratings up to 40 GPM.	\boxtimes	
Each valve must be laminar flow design for minimal pressure drop. Where Required, each section must be able to limit the operating speed for the implement.	\boxtimes	
Each section must be manually activated with manual push/pull cables	\boxtimes	
There shall be a main pressure relieve set at 2,400 psi to protect against System over-pressurization	\boxtimes	
Hoist section must be a PVG 100, 40 GPM 4-way section for double Acting hoist	\boxtimes	
Plow lift and angle sections are also 4-way for double acting cylinders With crossover relief	\boxtimes	
Spreader section shall have detent on one side of valve and self-centering on reverse Introduced on: Side of valve November 17, 2021 November 17, 2021 Official Resolution#: 2021001590		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		22 01 71
Note: Please Refer To the 'Modular Granular and Liquid Valve' Section Of		j:k.6-27
Option 1B. Freedom 2.2 Spreader Control In Lieu Of Manual Specifications.		
All hydraulic hoses must be bulkhead mounted with metal tube style connectors.	. /	
all tubes shall be labeled with the hydraulic operation		
Manufacturer must be authorized to perform warranty repairs and periodic		
Maintenance on hydraulic valve sections	\boxtimes	
SPREADER CONTROL		
Spreader control shall be a dual knob valve with on/off handle.		
ITEM # 1 - MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM	P TRUCK W	<u>TTH</u>
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)		•
	COMPLIAN YES	NCE NO
SPECIFICATIONS FOR CENTRAL HYDRAULIC MANUAL SYSTEM – STAIN (Cont'd)		
SPREADER CONTROL (Cont'd)		
Shall have individual flow adjustment knobs for the spinner and auger.	\boxtimes	
Shall include a relief cartridge to protect the motors in the event of a material jam	<u> </u>	- <u> </u>
Valve shall feature spinner priority to reduce material pile up from the	-	
auger at low flow conditions	\boxtimes	
CABLE CONTROLS		
Control valve shall be shifted via sealed cable assemblies	\boxtimes	
Cable assembly shall feature a polyethylene conduit with armor over braid and		
Teflon liner	\boxtimes	
Cable assembly shall be rated for a minimum of 100 lbs of pull and 80 lbs of push	\boxtimes	□ ,
Cables shall be attached to the hydraulic valve with clevis pin and locking clips	\boxtimes	
Cable to be attached to an in cab handle. Handle will be mounted in a location		
Convenient to the operator. The handle shall feature cast base construction with steel Internal parts and be rated for 80 lbs. Of output force. A knob with identification		
Label will be attached to the end of the handle	\boxtimes	
RESERVOIR/VALVE ENCLOSURE		
Reservoir must be constructed of 10 gauge stainless steel. Reservoir/valve enclosure		
Shall be 40 gallon capacity with an integrated covered mounting area for the valve. All plumbing for the hydraulic valve inside the enclosure shall be SAE rated stainless		
Steel tubing and terminate on the front of the reservoir with JIC bulkhead connectors. Introduced on: November 17, 2021 Adepter a there cap shall be not be front of the reservoir with JIC bulkhead connectors. Introduced on: November 17, 2021 Adepter a there cap shall be not be front of the reservoir with JIC bulkhead connectors. Introduced on: November 17, 2021 Adepter a there cap shall be not be front of the reservoir with JIC bulkhead connectors. Introduced on: November 17, 2021 Adepter a there cap shall be not be front of the reservoir with JIC bulkhead connectors. Introduced on: November 17, 2021 Adepter a there cap shall be not be front of the reservoir with JIC bulkhead connectors. Introduced on: November 17, 2021 Adepter a there cap shall be not be front of the reservoir with JIC bulkhead connectors.	(
Official Resolution#: 2021001590		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page 2 Res-Pg	3 of 71
For an in tank mounted return line filter. The filter assembly shall incorporate a 10 Micron 50 GPM filter element with a 25 psi bypass. The reservoir will include a Twist off filler/breather assembly with 40 micron vent filter and a fill screen. Reservoir Shall be complete with a sight temperature gauge and a magnetic drain plug. Suction Port will allow for installation of a 2" NPT 50 GPM suction screen. Suction screen shall Have a 3 to 5 psi bypass spring. A 2" full flow ball valve shall be installed in the suction Line. Removing of a lid to access the filter and breather cap is NOT ACCEPTABLE .	J	_
The reservoir shall have a float switch to control PTO operation in the event of low oil.	\boxtimes	
/ /TEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMI	O TOUCK WA	TU
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	I I KUCK WI	1111
	COMPLIAN	<u>CE</u>
WARRANTY FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALV	<u>YES</u> E GROUP FO	<u>NO</u> OR
PLOW, AUGER AND SPINNER		
Warranty coverage runs for a period of one year from the date of Initial installation (or 13 months from day of shipment from certified		
Cirus control systems), or whichever occurs first.		
WARRANTY FOR BUMPER-TO-FRAME PLOW HITCH (SPH-A0000152)		·
One year from date of delivery		
SPECIFICATIONS FOR V-BOX SPREADER		
GENERAL 147 series v-box hopper style salt and sand spreader. Spreader shall be capable Of hauling and spreading free flowing granular materials. Unit shall consist of a 304 stainless steel body, rear discharge conveyor, spinner disk, power drive and All components necessary to make a complete operating unit. Unit shall be Manufactured in the usa by an iso 9001:2008 certified company.		
Specifications on the unit must accompany the bid.		
BODY REQUIREMENTS	•	
14 yard capacity		
Inside length of hopper shall be 15' at top and 12' at bottom	\boxtimes	
Inside top width shall be 84"	\boxtimes	
Side slope to be 45° minimum		
Front panel slopes shall be a minimum of 18°		
Hopper seams shall be continuous welded on inside Introduced on: November 17, 2021		
Adopted on: November 17, 2021 Sittle at Englished #size 100 papers shall be 10 gauge 304 stainless steel	\boxtimes	

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	MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Pa	ge 24 of 71
		Res	-Pg:k.6-29
	Top edge of hopper is formed "J" channel 2" x 1 ½"	\boxtimes	` , 🗖
	Auger trough shall be 10 gauge 304 stainless steel	\boxtimes	
	Longsills shall be 10 gauge 304 stainless steel	\boxtimes	
	Cross sills shall be formed 7 gauge 304 stainless steel welded to side supports	\boxtimes	
	Lift hooks on each corner are 5/8" stainless steel round bar		
4	ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	MP TRUCE	<u> WITH</u>
		COMPL YES	IANCE NO
	SPECIFICATIONS FOR V-BOX SPREADER (Cont'd)		,
	BODY REQUIREMENTS (Cont'd) All hardware is stainless steel	\boxtimes	
	3/8" rod on 3/8" rod top grate screens with anti-freeze hinges are required equipment With auger conveyor v-box units		
	AUGER REQUIREMENTS Twin 7" diameter hard faced variable pitch augers	 	П
	· · · · · · · · · · · · · · · · · · ·		_
	64 cir direct drive hydraulic motor	⊠	
	Motor is directly coupled to end of auger shafts	\boxtimes	
	Auger shafts connect at front with a 2" 4 bolt flange bearing	\boxtimes	
	Rear auger drive has no motor guard bolted to rear	\boxtimes	
	One (1) led spreader light mounted to spreader box	\boxtimes	
	Four (4) 6" oval amber strobe lights with amber lenses mounted in stainless Steel tissue box	\boxtimes	
	SPINNER CHUTE ASSEMBLY 10 gauge 304 stainless steel	\boxtimes	
	Four (4) position telescopic adjustment	\boxtimes	
	Four (4) bottom spinner deflectors shall be overlapping to prevent loss of granular material when the deflectors are raised. Introduced on: November 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590	\boxtimes	
Special School Street	The state of the s	The second secon	The state of

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	ľ	Page 25 of 71 Res-Pg:k.6-3 0	
Front deflector shall be fixed.	\boxtimes	□ □	
Bottom overlapping spinner deflectors shall have four (4) positions of rod and pin adjustment without tools. Chain adjustable deflectors are NOT ACCEPTABLE .	\boxtimes		
Poly 20" diameter spinner disc shall have replaceable machined hub	\boxtimes		
Spinner hydraulic motor shall mount directly on bottom of spinner disc	\boxtimes		
PAINT All metal surfaces shall be high pressure cleaned with a phosphate solution to Remove slag, splatter, oxide, and oil residue. ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	⊠ MP TR	UCK WITH	
SPECIFICATIONS FOR V-BOX SPREADER (Cont'd)	COI YES	MPLIANCE NO	
PAINT (Cont'd) Non-stainless steel parts shall be painted or powder coated black	\boxtimes		
304 stainless steel components unpainted	\boxtimes		
TAILGATE LOCK KIT Main latch bar shall be 3" x 4.1 lb structural channel 84" wide	\boxtimes	J 🔲	
Two (2) 3" x 4.1 lb x 8" structural channel with two (2) ½" x 1 ½" mounting hole shall be welded to main channel to bolt on spreader	\boxtimes		
Two (2) 1 1/4" x 7" round stock tailgate latches to be welded to main channel	\boxtimes		
TIE DOWN KIT Shall consist of four (4) chain style tie down assemblies	\boxtimes		
Chains shall be grade 30 3/8" x 29 links	\boxtimes	. 🗆	
Top plate shall be ¼" x 4 triple broke a1011 powder coated steel With banjo eye to accept 3/8" chain	\boxtimes		
Tie down bracket shall be ¼" x 4" x triple broke a1011 powder coated steel With 3/8" double link clevis to attach chain	\boxtimes		
3/4" zinc plated turnbuckle to have grease fitting	\boxtimes		
$\frac{1}{4}$ " turnbuckle shall have $\frac{1}{2}$ " – 13 nut welded to center to secure turnbuckle	\boxtimes		
Introduced on: November 17, 2021 RIES V-BOX SPREADER - 304 STAINLESS STEEL CONSTRUCTION Appropriate 17, 2021 RIES V-BOX SPREADER - 304 STAINLESS STEEL CONSTRUCTION Appropriate 17, 2021 189 be free from defects in material and workmanship for a			

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Res	ge 26 of 71 - Pg:k<u>.</u>6-31
period of one (1) year		Ц
SPECIFICATIONS FOR STEEL MOLDBOARD TUBE TABLE REVERS MOLDBOARD SPECIFICATIONS	SING FULL PLOV	V
42"'H x 11' L	\boxtimes	
10 gauge carbon steel smooth rolled profile providing ultra-smooth Surface for snow deflection		
Overhang from cutting edge to have minimum 12" overhang with 10° attack an	igle 🗵	
/ITEM#1-MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZE	ED DUMP TRUCK	WITH
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)		
	<u>COMPL</u> YES	
SPECIFICATIONS FOR STEEL MOLDBOARD TUBE TABLE REVERS		NO V (Cont'd)
MOLDBOARD SPECIFICATIONS (Cont'd) Top of moldboard shall be reinforced by 2 ½" x 2 ½" x 3/8" angle iron. Bottom	n of	
Moldboard is reinforced by 4 x 4 x 3/4" angle iron and is drilled to accommodate	e	П
Aashto standards.		
Ribs are reinforced with 2 x 2 x 3/8 angle as well as the upper and lower		
Reinforcement angels.		Ц
Ribs are 5" at the trip edge and 3" tall at the top edge by ½" wide	\boxtimes	
Ribs are spaced to match support arm locations as well as provide adequate Support of the moldboard	\boxtimes	
A total of 12 ribs shall be used per moldboard assembly	\boxtimes	
Three (3) sets of double ribs and six (6) single ribs		
Each rib shall have a ½" relief at the corners where they attach to the reinforcen Angles. This will allow water to drain off the back of the moldboard during stor		
At the bottom of each rib there shall be three (3) 1 5/16" holes spaced at 1 7/8" Center to center to allow for semi-circle height adjustments		
Two (2) sets of double ribs shall have three (3) 1 5/16" holes spaced at 2 1/4" cere Center to allow for attack angle adjustment	nter to ⊠	
Weldments on the moldboard shall be continuous	\boxtimes	
Outer ribs of moldboard will be drilled for marker installation		
Introduced on: November 17-3021ch side of moldboard Adopted on: Official Resolution#: 2021001590		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS TRIP MECHANISM CONSTRUCTION	Re	Page 27 of 71 es-Pg:k.6-32
Plow shall be full trip design consisting of two (2) coil springs	\boxtimes	
Springs are 3/4" wire with a coil od of 5 9/16" consisting of 16 full coils	\boxtimes	
Bottom angle is reinforced by eleven (11) ½" thick gussets spaced evenly to avoid Interference with cutting edge attachment hardware	\boxtimes	
Cutting edge shall be 6" x 5/8" x 11' long and shall be drilled to AASHTO standards	\boxtimes	. 🗆
Cutting edge shall be secured using 5/8" grade 8 carriage bolts ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	⊠ <u>IP TRU</u>	CK WITH
SPECIFICATIONS FOR STEEL MOLDBOARD TUBE TABLE REVERSING F	YES	PLIANCE NO OW (Cont'd)
PUSH FRAME Designed to hydraulically reverse the moldboard in an arc at any angle from 35° left to 35° right from a centered position	\boxtimes	
Shall be constructed of ½" plate		
Supported above and below the semi-circle with 2 x4 x 3/16" tubing	\boxtimes	
Shall be drilled to accept 1 ½" bolt at the semi-circle connection. At this connection Welded to the push frame is the female portion of the socket connection. This connection Distributes the pushing load directly from the push frame to the semi-circle and moldbo Relieving stress on the bolted connection. The female socket connection is made from Plate steel and is contoured to match the male portion on the semi-circle	ard	
Rear of push frame shall be drilled to accept a removable QCP adapter. Three (3) sets of 1 3/16" holes shall be drilled on 2" centers to allow for installation on a variety of Trucks and hitches		
Two holes shall be located at the top and bottom push frame plates drilled to accept 1 ½" bolts for hydraulic cylinder attachment	· ×	
All welds are to be continuously welded. NO EXCEPTIONS	\boxtimes	
SEMI-CIRCLE CONSTRUCTION Semi-circle shall be constructed from 5" x 5" x 3/16" tubing. The main tube, Or push beam, is 5" x 5" x 5/16" at 120 inches long spanning the entire width Of the moldboard. This tube is constructed from one continuous piece		
There two stops placed appropriately to prevent the plow from turning Plant of right wember 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590		
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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		8 of 71
Crank style jackleg (part #0091215) to be mounted on backside of semi-circle	Res-Pg	.K.6-33 □
Hydraulic cylinder mounting points are ½" plates welded to the top and bottom Of the semi-circle. Plates shall be drilled to accept 1½" bolts for hydraulic Cylinder attachment. These plates also serve as locators for support arm shackles And gussets to provide additional support from the "push beam" to the rest of The semi-circle.		
ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMI PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	,	
SPECIFICATIONS FOR STEEL MOLDBOARD TUBE TABLE REVERSING FU	COMPLIAN YES LL PLOW (C	<u>NO</u>
SEMI-CIRCLE CONSTRUCTION (Cont'd) In the center of the semi-circle a hole shall be drilled to accept the 1 ½" grade 8 bolt That acts as the pivot point for the push frame. Also, at this point above and below The semi-circle is the male portion of the socket that relieves stress from the bolted Connection. This is made from 1" plate steel and is contoured to match the female		
Portion of the push frame.		
Tabs shall be welded on the push frame to accept ½" screw type chain shackles. These tabs shall be made from ½" plate steel 5 ¼" long and 2 ½" wide. They are welded to the backside of the 5" tubular push beam to increase the Weld surface area at 55° from the bottom of the semi-circle to match the chain Angel going to the lift arm on the hitch		<u>-</u>
There are seven set of ¾" thick moldboard mounting ears installed along the Push beam for attachment of the moldboard. Moldboard shall pivot at these points On 1 ¼" diameter rivet pins with a washer and cotter pin on the opposite Side of the rivet head.	\boxtimes	
Four (4) sets of the moldboard mounting ears (two outer on either side of the push beam) Shall have an inside spacing of 3/4" to accept a single 1/2" moldboard rib. Three (3) sets of moldboard mounting ears (the center sets) shall have an outside spacing of 2 3/4" to fit inside double moldboard ribs.	 X	
Moldboard attachment ears to be gusseted with 4" triangular steel gussets	\boxtimes	
Push frame shall connect to upper portion of the moldboard using two support Arms. The center of the support arm shall be made from 2 x 2 x ½" square Box tube. Actual mounting points are 1" schedule 40 pipe fully welded through The box tubing. The box tubing shall be drilled through to accept the pipe.		
Interdeted by connection point is 2217/8" bolt. Adopted on: November 17, 2021 Official Resolution#: 2021001590		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page 2 Res-Pg	9 of 71
ADJUSTABLE CAST MUSHROOM SHOES Plow to be fitted with adjustable cast steel mushroom shoes mounted left and right on rea Of semi-circle	_	. K. O-34
A ½" steel plate to be welded onto the semi-circle rear with five (5) adjusting holes for Overall height		
Adjusting handle crank to be stowable against the show housing and allow up and down Movement of the shoe via threaded screw	\boxtimes	
A 1 ¹ / ₄ " screw with adjusting nut are housed in a 3" square shoe housing with a welded On 5-hole mounting plate ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	⊠ P TRUCK W	□ ITH
ADJUSTABLE CAST MUSHROOM SHOES (Cont'd)	COMPLIAN YES	ICE NO
Cast steel mushroom plow show has 6" bolt centers, 3/4" square holes and is 10.625" in Diameter and 2.34 inches thick.	\boxtimes	
Grade 8 hardware shall be used throughout	\boxtimes	
HYDRAULICS Plow angle shall be controlled by two double acting hydraulics cylinders	⊠	
Each cylinder shall have a 4" bore with an 8" rod diameter with a maximum Operating pressure of 3,000 psi.	\boxtimes	
Retracted cylinder length is 21" with both the rod and cylinder ends accepting 1 ½" Bolts/pins for connecting to the semi-circle and push frame	\boxtimes	
QCP Push frame is equipped with a removable QCP adapter for quick hitch applications		
QCP side plates shall be ½" formed plate	\boxtimes	
QCP loop diameter shall be 2"		
PAINT Paint shall be of high quality, free of runs, overspray and defects	\boxtimes	
Standard paint type will be epoxy	\boxtimes	
Standard paint color shall be safety orange for the moldboard and black for the frame	\boxtimes	
BUMPER TO FRAME PLOW HITCH SPECIFICATIONS Introduced on: Adopted on: November 17, 2021 Adopted on: November 17, 2021 Child Ness Little 12, 2001 336		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page 30	
Snow plow hitch must clear hood when open	Res-Pg:	K.6-35 □
Frame is heavy duty, low profile, front frame mounted style. It is designed for use with Trucks equipped with a tilt hood and stationary grill	Ä	
Frame is capable of self-storing the hydraulic front lift arm cylinder when not in operatio Allowing the lift arm to fold down parallel to the rest of the frame	n, ⊠	
Vertical supports of the hitch are constructed from 4" x 4" x 3/8" square tubing	\boxtimes	
/ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	P TRUCK WI COMPLIAN YES	
BUMPER TO FRAME PLOW HITCH SPECIFICATIONS(Cont'd)		
FRONT HITCH FRAME (Cont'd) Cylinder support bracket on the hitch is constructed a 3" X 2" rectangular tube. The two cylinder mounting tabs are ½" steel placed in the center of support bracket and spaced at 2-1/8" apart. Each tab is drilled to accept———————————————————————————————————		
 The upper horizontal support of the hitch is constructed of two (2) pieces: The first is a formed 3/8" plate that wraps the top and upper back portion of the Vertical supports this plate also acts as a stop when the lift cylinder is store as Well as one of two points the lift arms connection tabs are welded. The second horizontal support is a ½" contoured plate that allows the lift cylinder To be stored and provides a second mounting point for the lift arm connection Tabs 		
There are two (2) pairs of lift arm support shackles. Each pair is made from ½" x 9 ¾" Plate and are drilled to accept t ¼" pins		
Fully welded to the vertical supports are two c 8" x 18.75" channels with ½" thick end Plates. The end plates are drilled to accept six (6) 5/8" grade 8 bolts for attaching the hite Between the frame rails	ch ⊠	,_
Support of the lower portion of the hitch is provided by left and right weldments bolted to The tapered portion of the frame. Weldments are drilled with four (4) 5/8" holes for Mounting to the exterior of the truck frame.) 	
A 12-volt electric over hydraulic pump to operate the front hitch wing post slide located Behind cab		
HINCOMORD ATTCH NOVEMBER 17, 2021 CP Adopted on: History with the standing of	 	
The second state of the se		The Total Total Total And Shi

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Res	Page 31 of 71 s-Pg:k.6-36
Top and bottom of the assembly are made from ½" contoured plate. Both plates are Drilled to accept the 2" lock pin	\boxtimes	
Welded to the bottom plate is a 5/8" chamfered plate that both provides support to the Lock pin and helps to guide the QCP loop into the hitch	\boxtimes	
Welded to the top of the plate is a formed 3/8" plate drilled for the 2" lock pin that Both provides support and protects the pin in the event a plow is set too high while Hitching.	\boxtimes	
/ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	MP TRUC	K WITH
BUMPER TO FRAME PLOW HITCH SPECIFICATIONS (Cont'd)	COMP YES	LIANCE <u>NO</u>
FRONT HITCH PIN LOCK QCP (Cont'd) In the front of the QCP assembly are two (2) ½" thick formed bumpers. These bumpers Are the resting/pushing point for the plow. They are curved to allow the plow to raise And lower smoothly.		
Lock pin is 2" tapered at one end for ease in guiding into position and has tabs welded to the other for the lift bar attachment	to 🖂	
HEAVY DUTY ARM LIFT ASSEMBLY Heavy duty lift arm is extendable style with seven (7) different extendable positions	\boxtimes	
Frame of the lift arm is constructed from ½" x 4" steel plate that is formed to contour The outer tube of the extendable arm. The frame is also the connection point to the hite And hydraulic cylinder	eh ⊠ ,	<u> </u>
The external tube is constructed of 4" heavy wall square tubing. On each end of the tube. Are 1" wide bushings ground to fit the inner tube. This shall ensure a long lasting fit.	oe ⊠	
Top plate on the lift are is 3/16" and is used to prevent "racking" of the frame Inner tube is constructed of 3" heavy wall square tubing. Tubing is drilled to allow for The seven (7) extendable positions	\boxtimes	
Welded to the front of the inner tube is a formed ½" plate with notches to accept Standard 1/2" link chain. When required this plate can be changed to match Different level systems.	\boxtimes	
HYDRAULIC LIFT CYLINDER Hitch is provided with a single acting 4" x 10" hydraulic cylinder. A double acting chiral can be phovember for 200 phovember for 200 phovember for 200 phovember on: After its Ed solution#: 2021001590	\boxtimes	
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Page 32 of 71 Res-Pg:k.6-37

WARRANTY FOR STEEL MOLDBOARD TUBE TABLE, POWER INFINITE R' FULL PLOW (SPX-0000050)	EVERSING	
One year from date of delivery	\boxtimes	
OPTIONS 1A. Heavy Duty Heated Crossmemberless Stainless Steel Dump Body Under Option Body shall be heated through diverter box with thermos-switch for activation with Stainless steel piping ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM		
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	I IRUCK WI	111
OPTIONS (Cont'd)	COMPLIAN YES	CE NO
√1B. <u>Freedom 2.2 Spreader Control In Lieu Of Manual Specifications</u> General		
Controller shall have 3 PWM output channels for liquid and granular spreader controller	\boxtimes	
The controller shall be a microprocessor type capable of PWM control of three Hydraulic valves.	× ·	<u> </u>
Controller must be automotive grade for durability. Any gamming type controllers are Unacceptable.	\boxtimes	
The controller must offer ground speed control from vehicle signal. No GPS antenna can Be used for ground speed signal input.	ı ⊠	□·
The controller must have three channels to operate an auger/conveyor and liquid System.		
PWM signal must be adjustable for a wide range of implement functionality.	\boxtimes	
The controller shall be capable of ground speed oriented spreading, ground speed triggered, and manual mode.		
The system will offer a manual mode lock out option.	\boxtimes	
The spreader controller will operate in open or closed loop configuration.	\boxtimes	
Controller shall offer remote pause, unload mode, liquid float input, test speed, And on-screen error with alarms and message reporting.	\boxtimes	
Sensor short detection with message and alarm.	\boxtimes	
Introduced on: November 17, 2021 Adopted on: November 17, 2021 Syntan must have 262 100 years output channels available.	\boxtimes	

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Pa Res	ge 33 of 71 - Pg:k.6-38
AVL data transfer is available with an additional modem.	\boxtimes	
System shall offer spinner configurable mph shut off, storm totals on screen or With USB.	\boxtimes	
Operator screen offers knobs or touch screen to control granular and liquid outputs.		
There shall be 9 independently programmable feeder outputs channels for actuate. Lbs. Per mile output.	\boxtimes	
/ ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DU PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	MP TRUCK	<u> WITH</u>
OPTIONS (Cont'd)	COMPL YES	IANCE NO
1B. <u>Freedom 2.2 Spreader Control In Lieu Of Manual Specifications</u> (Cont'd) General (Cont'd)		
The spinner shall also offer 9 programmable speeds for the spinner.	\boxtimes	. 🗆
System will maintain up to 4 different granular material types.	\boxtimes	· 🗆
There shall be an integrated blast mode with instant off to stop output if necessary.		
Blast must be programmable for flow rate and material distance.	\boxtimes	
Unit shall provide an unload mode at speeds of up to 5 mph.		
A standby (pass) mode shall be provided to allow for momentary interrupt of the spread Without changing the feeder/spinner/liquid output.	ader ⊠	
All programing and calibration shall be accomplished using the touch screen of The controller.	\boxtimes	
Detachable key board for programming is NOT ACCEPTABLE .	\boxtimes	
Modular Granular and Liquid Valve *If the freedom 2.2 spreader control is chosen, spreader with detent and reverse on Control valve on page 42 will need to be removed, and replaced with the following:	under	
The modular manifold must be constructed of 6061 anodized aluminum.		
Modular manifold must have an adjustable pressure of up to 3500psi with multiple flo Pressure, performance, and function configurations.	w,	
Each function will be equipped with screw adjustable manual overrides protected by jacobies on: November 17, 2021 November 17, 2021 The maddlan manufold can operate in either open center (fixed displacement) or	acketed ⊠	

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		4 of 71 : k.6-39
Closed center (variable displacement) hydraulic circuits.		
The auger / conveyor must be rated at 15 GPM and features a cartridge valve design for Precision spreading.	\boxtimes	,
The spinner valve must provide 10 GPM and also feature a cartridge design valve With manual override.	\boxtimes	
Pre-wet or anti-ice implements are also available as a 10 GPM hydraulic circuits if necessary.	\boxtimes	
/ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	P TRUCK W	ITH .
	COMPLIAN YES	ICE NO
OPTIONS (Cont'd) 1B. <u>Freedom 2.2 Spreader Control In Lieu Of Manual Specifications</u> (Cont'd)		
These functions are proportional controlled, pulse width modulated, pressure and flow Compensated, with heavy duty 12vdc coils.		
Spreader control "outside the cab" harnessing shall meet ip 68 standards.		
The modular manifold can operate in either open center (fixed displacement) or Closed center (variable displacement) hydraulic circuits.		
The auger / conveyor must be rated at 15 GPM and features a cartridge valve design for Precision spreading.	\boxtimes	
The spinner valve must provide 10 GPM and also feature a cartridge design valve With manual override.	\boxtimes	
Pre-wet or anti-ice implements are also available as a 10 GPM hydraulic circuits If necessary.	\boxtimes	
These functions are proportional controlled, pulse width modulated, pressure and flow Compensated, with heavy duty 12vdc coils.	\boxtimes	
Spreader control "outside the cab" harnessing shall meet IP 68 standards.	\boxtimes	
Connections must be Nema x6 standards for dust protection.		□ .
Outside the cab connections shall be rated as Nema "x8" – protected against The effects of permanent submersion in water as well as able to show no corrosion After 500 hours in a 35° salt spray.	⊠	
The contine hydraulie system, shall be completely serviceable without removing from the Adopted on: November 17, 2021 LANGER RESORTED RESORTED SECTIONS		
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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	F	Page 35 of 71 Res-Pg:k.6-40
The electronics and hydraulics shall be manufactured by the same company.	\boxtimes	
The hydraulic system shall be pressure and flow tested before the installation process.	\boxtimes	
The modular spreader valve manifold will be mounted in a weather resistant enclosure.	\boxtimes	
Enclosure shall be vented to reduce moisture and finished with 304 stainless steel.	\boxtimes	
/ ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)		-
	CON YES	MPLIANCE NO
OPTIONS (Cont'd) /1C. Central Hydraulic System (Electric Proportional Plow / Granular Controls Spe	ecifica:	tions)
In Lieu Of Manual Controls The in-cab control system shall be an integrated proportional multi-axis (x, y) (3) joystic Console with circuit panel and spreader control.	ck ⊠	□ .
0 – 5000 gauge		
Dump body hoist, front plow, and wing plow shall be controlled by three individual Joysticks capable of proportionally controlling up to 5 bi-directional valves.	\boxtimes	
Dump body lever must have safety trigger protection.	\boxtimes	
Controller must include integrated protection and diagnostic systems with safety feature. Incorporated.	s ⊠	
System must have user settable speed control for all hydraulic functions.	\boxtimes	
Unit shall be designed for floor mount pedestal with armrest	\boxtimes	
System will integrate with the freedom 2 granular / liquid control systems in The housing	\boxtimes	<u> </u>
System must supply pulsed voltage to each individual valve coil.	\boxtimes	
All connections inside the valve enclosure shall be ip68 rated.	\boxtimes	
All connections will be labeled with appropriate descriptions for each connection To individual solenoids of the hydraulic actuating cylinders.	\boxtimes	
System must also have integrated accessory control switches: the system will include up to system and up to six (6) warning indicator lights Adopted on: November 17, 2021 Micinification the control is 10.	\boxtimes	

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MOTOR VEHICLES: TRIAXLE	DUMP AND TRACTOR	FRUCKS		ge 36 of 7 Pg:k.6-4
Each switch will handle 12v up to Momentary or on/off/on as neede	• •	erated as on/off,	\boxtimes	
Installing dealer must be authorized Maintenance on certified product	• • •	airs and periodic	⊠	
/ <u>ITEM # 1 – MODEL YEAR 20</u> PLOW AND SPREADER, AS S			IP TRUCK	<u>X WITH</u>
			COMPLY YES	IANCE NO
OPTIONS (Cont'd) 1C. <u>Central Hydraulic System (</u> <u>In Lieu Of Manual Controls</u> (C		w / Granular Controls Spe	ecifications)
Reservoir/Valve Enclosure Reservoir must be constructed of Be 40-gallon capacity with an inte Plumbing for the hydraulic valve Steel tubing and terminate on the The breather cap shall be mounted Provide for an in tank mounted re A 10 micron 50GPM filter element Twist off filler/breather assembly Shall be complete with a sight ten Will allow for installation of a 2" A 3 to 5 psi by-pass spring. A 2" Removing of a lid to access the fi Shall have a float switch to control	egrated covered mounting as inside the enclosure will be front of the reservoir with jid to an inspection lid. Inspecturn line filter. The filter as at with a 25 psi bypass. The with 40 micron vent filter an apperature gauge and a magn npt 50 GPM suction screen full flow ball valve shall be liter and breather cap is not a	rea for the valve. All sae rated stainless ic bulkhead connectors. ction lid shall also sembly shall incorporate reservoir will include a and a fill screen. Reservoir actic drain plug. Suction por Suction screen will have installed in the suction line acceptable. The reservoir		
Freedom 2.2 Spreader Control Controller shall have 3 PWM outp	out channels for liquid and g	granular spreader	\boxtimes	
The controller shall be a micropro Hydraulic valves.	cessor type capable of PWI	M control of three	· 、 ,	; □
Controller must be automotive gra Unacceptable.	nde for durability. Any gam	nming type controllers are		
The controller must offer ground s Antenna can be used for ground s	-	signal. No gps		
The controller must have three chintroduced on: Wovember 17, 2021 Withhell system. November 17, 2021 Official Resolution#: 2021001590	annels to operate an auger/c	onveyor and	\boxtimes	
The No. 20 Conference of the No. 20 Conference	The Company of the Co		e e since difference and	

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		age 37 of 71 s-Pg:k.6-42
PWM signal must be adjustable for a wide range of implement functionality.	\boxtimes	. 🗆
The controller shall be capable of ground speed oriented spreading, ground Speed triggered, and manual mode.	\boxtimes	
The system will offer a manual mode lock out option.	\boxtimes	
The spreader controller will operate in open or closed loop configuration.	\boxtimes	
ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DU PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	MP TRUC	K WITH
OPTIONS (Cont'd)	COMP) YES	LIANCE NO
1C. <u>Central Hydraulic System (Electric Proportional Plow / Granular Controls Sin Lieu Of Manual Controls</u> (Cont'd)	pecification	<u>.s)</u>
Freedom 2.2 Spreader Control (Cont'd) Controller shall offer remote pause, unload mode, liquid float input, test speed, And on-screen error with alarms and message reporting.	X	
Sensor short detection with message and alarm.	\boxtimes	
System must have 2 auxiliary output channels available.	\boxtimes	
AVL data transfer is available with an additional modem.	\boxtimes	
System shall offer spinner configurable mph shut off, storm totals on screen or With USB.	\boxtimes	
Operator screen offers knobs or touch screen to control granular and liquid outputs.	\boxtimes	. 🗆
There shall be 9 independently programmable feeder outputs channels for actuate lbs. per mile output.	\boxtimes	
The spinner shall also offer 9 programmable speeds for the spinner.	\boxtimes	
System will maintain up to 4 different granular material types.	\boxtimes	
There shall be an integrated blast mode with instant off to stop output if necessary.	\boxtimes	
Blast must be programmable for flow rate and material distance.	\boxtimes	
Unit shall provide an unload mode at speeds of up to 5 mph. Introduced on: November 17, 2021 Adopted on: November 17, 2021 Adopted on: November 17, 2021 Adopted on: November 17, 2021 Adopted on: November 17, 2021		

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		age 38 of 71 - -Pg:k.6-43
Of the spreader without changing the feeder/spinner/liquid output.	⊠ Kes	-Pg.K.0-43
All programing and calibration shall be accomplished using the touch Screen of the controller.	\boxtimes	
Detachable key board for programming is NOT ACCEPTABLE		
Modular Granular and Liquid Valve The central hydraulic valve system shall be a mobile design to withstand exposure To de-icing chemicals and severe weather conditions.		
/ ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMI PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	PTRUCE	<u>C WITH</u>
/OPTIONS (Cont'd)	COMPL YES	LIANCE NO
1C. <u>Central Hydraulic System (Electric Proportional Plow / Granular Controls Spec In Lieu Of Manual Controls</u> (Cont'd)	<u>cification</u>	<u>s)</u>
Modular Granular and Liquid Valve (Cont'd) System shall provide hydraulic fluid to operate the dump body hoist, front plow, And granular spreader system.	\boxtimes	
Hydraulic system can run all hydraulic functions simultaneously without inhibiting The action of the others.	⊠	
Valve sections shall be of cast iron, horizontally stackable, and serviceable without Disassembly.	\boxtimes	
Directional control valves shall be pre-compensated, proportional, and load Independent.	\boxtimes	
Valve system shall be closed center for variable displacement pump.	\boxtimes	
Valve sections must be adjustable for pressures up to 5000psi and flow ratings Up to 40 GPM. Each valve must be laminar flow design for minimal pressure drop. Where required each section must be able to limit the operating speed for the implement.	\boxtimes	
Each directional valve section must have a built-in check valve prevents the oil From flowing via the pressure adjustment spool to tank.	\boxtimes	□ .
There shall be main pressure relieve set at 2400psi to protect against system Over-pressurization.	\boxtimes	
Hoist section must be a PVG 100, 40 GPM 4-way section for double acting hoist With flow control.	\boxtimes	
Introduced on: November 17, 2021 Resolution angles continued angles and also 4-way for double acting cylinders with crossover Official Resolution#: 2021001590		
A CONTRACTOR OF THE PROPERTY O	-	The final seed the best finites as a

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	MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS Relief and flow control.	Res	age 39 of 71 5-Pg:k.6-44 □
	The hydraulic system shall be pressure and flow tested before the installation.		
	Installing dealer must be certified to perform warranty repairs and periodic Maintenance on hydraulic valve sections.		
١,	The spreader manifold must be constructed of 6061 anodized aluminum.	\boxtimes	
•	/ITEM#1-MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D) OPTIONS (Cont'd)	COMP YES	LIANCE <u>NO</u>
	√1C. Central Hydraulic System (Electric Proportional Plow / Granular Controls Sp In Lieu Of Manual Controls (Cont'd)	ecilication	<u>18)</u>
	Modular Granular and Liquid Valve (Cont'd) Spreader manifold must have an adjustable pressure of up to 3500psi with multiple flow Pressure, performance, and function configurations.	/, 	
	Each function will be equipped with screw adjustable manual overrides protected By jacketed debris covers.	\boxtimes	
	The spreader manifold can operate in either open center (fixed displacement) or Closed center (variable displacement) hydraulic circuits.	\boxtimes	
	The auger / conveyor must be rated at 15 GPM and features a cartridge valve design for Precision spreading.	\boxtimes	
	The spinner valve must provide 10 GPM and also feature a cartridge design Valve with manual override.	\boxtimes	
	Pre-wet or anti-ice implements are also available as a 10 GPM hydraulic circuits If necessary.	· 🔀	-
	These functions are proportional controlled, pulse width modulated, pressure and flow Compensated, with heavy duty 12vdc coils.	\boxtimes	
	Spreader control "outside the cab" harnessing shall meet ip 68 standards.	\boxtimes	
	Connections must be Nema x6 standards for dust protection.	\boxtimes	
	Outside the cab connections shall be rated as Nema "x8" — protected against the Effects of permanent submersion in water as well as able to show no corrosion Atoms in Navember 3212 321 ray. Official Resolution#: 2021001590	 	
			The state of the s

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Page 40 of 71 Res-Pg:k.6-45	
The entire hydraulic system shall be completely serviceable without removing From the enclosure or disassembling sections.	\boxtimes		
The electronics and hydraulics shall be manufactured by the same company.	\boxtimes		
The hydraulic system shall be pressure and flow tested before the installation process.	\boxtimes	. 🗆	
The modular spreader valve manifold will be mounted in a weather resistant enclosure.			
/ ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	PTR	UCK WITH	
		MPLIANCE NO	
OPTIONS (Cont'd) 1C. <u>Central Hydraulic System (Electric Proportional Plow / Granular Controls Spe</u> <u>In Lieu Of Manual Controls</u> (Cont'd)	YES		V
Modular Granular and Liquid Valve (Cont'd) Enclosure shall be vented to reduce moisture and finished with black powder coat Or stainless steel.	\text{\ti}\text{\texi{\text{\ti}}}\tittt{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\tetx}\text{\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\text{\texi}\text{		
Specifications for Patrol Wing - Wing Post Front wing post shall be removable for summer operation	\boxtimes		
The front hitch shall be constructed so that the wing post mount will be able to slide in An out to allow the tilt hood to move forward without obstruction for maintenance and Daily fluid checks.	\boxtimes	□.	٠
The front wing post slide function will be accomplished using a hydraulic cylinder Controlled by an in-cab push button and driven by an independent electric hydraulic Pump	\boxtimes	Ö	
Front Hitch The plow lift hinge shall be flame cut from 3/4" steel plate and shall have a full plate Gusset at the top.			
The plow lift cylinder shall be 4" x 10" double acting and shall have O-ring seals.	\boxtimes		
QCP hitch with 2" tapered pin;	X		
There shall be a 10-gauge break formed bumper extension left side.	\boxtimes	. 🗆	
Front Post There shall be provisions for a minimum of 8" of float for the front of the wing. Introduced on: Adopted on: Official Resolution#: November 17, 2021 Official Resolution#: November 17, 2021 Official Resolution#:			
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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Page 41 Res-Pg :	l of 71 k 6-46
The cylinder shall have O-ring seals and wipers.	\boxtimes	rtee i g.	
There shall be a $1-1/4$ " x 12 " wing slide to wing hinge pin and a $1-1/4$ " wing Hinge to wing bolt.	\boxtimes	1	
Arm Wing Enables the chassis hood to open for maintenance and regular fluid checks.	\boxtimes	÷	
Trip Wing Hinge The wing shall be attached to the front wing post with a trip hinge.	\boxtimes		
The hinge shall be designed to allow the wing to trip and reset automatically ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUN PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	⊠ 1P T	RUCK WI	□ <u>TH</u>
OPTIONS (Cont'd)	YI		CE NO
1C. <u>Central Hydraulic System (Electric Proportional Plow / Granular Controls Sp</u> <u>In Lieu Of Manual Controls</u> (Cont'd)	ecitio	<u>eations)</u>	
Trip Wing Hinge (Cont'd) When hitting an obstruction.			
The reset shall be with a rubber compression not with coil spring.	\boxtimes		
The hinge shall have two offset hinges to lift the wing as it trips.	\boxtimes		
Side Wing Moldboard The wing shall be designed for the right side of the truck and shall be heavy duty.	\boxtimes		
Wing shall have an overall length of 132" and shall have a 120" x 8" 2' cutting edge.	\boxtimes		
The nose height shall be 32" and the discharge height shall be 39.2"	\boxtimes		
The cutting edge backer shall be 4" x 6" x 5/8" with gussets and shall be punched to Accept 8" or 3" x 3" x 12" punch cutting edge.			
Welded to this backer shall be a minimum of five (5) 3/8" ribs	\boxtimes		
The leader shall be a minimum of 1" plate steel and shall have two (2) holes to accept A 1 1/4" wing bolt	×		
Sliding post shall be as follows: • Steel support sliding pivot weldment when in operation the Tubes will run from frame rail to frame rail • Two (2) 1" quick release hitch pins in easy to reach location to lock the pivot Introduced on: November 17, 2021 Adopted Wieldment intemplace, during operation mode Official Resolution#: 2021001590			

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Page 42 o	
 Hydraulic cylinder mounted to the hitch to allow the pivot point to slide Out 12" and allow the hood to open for maintenance 		Res-Pg:k.	.6-47
• Slide cylinder will be actuated using an electric hydraulic pump unit mounted in A stainless steel protective box in the frame rails of the chassis behind the cab	•		
• 3" x 12" toe cylinder to allow front edge of plow to raise 12" off the ground	\boxtimes]
There shall be several places longitudinally at the back of the wing to allow the push Arms to be attached at proper angles.	\boxtimes]
The steel on the side wing will be sandblasted and primed. The plow shall be painted Orange on the front and black on the back.	\boxtimes	· .]
ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	PTR	<u>UCK WITI</u>	Ħ
I	CON YES	MPLIANCI N	<u>E</u> 1 0
OPTIONS (Cont'd) 1C. <u>Central Hydraulic System (Electric Proportional Plow / Granular Controls Spetin Lieu Of Manual Controls</u> (Cont'd)	ecifica	<u>tions)</u>	
Specifications for Patrol Wing (Cont'd)			
Rear Wing Post Mount The rear post wind mount will be removable for summer paving operation using a bolt			
On steel plate	\boxtimes]
The rear post mount shall be as follows: • ½" plate permanent mounted weldment bolted to the frame with a cross member Under the frame to support channel on driver's side. The frame will not be mounted to the lift axle cross member	nted	ì	
• Removable forward portion rear ½" plate mounting weldment bolted to the		••	
 Permanent section support to allow to forward mount to be removed during the s 4" round torque arm with dampening spring to support rear pf plow board]
1D. <u>Paint for Dump Body</u> Paint specified dump body in a single stage paint a single color (i.e. School bus			
Yellow or other paint color from color chart)	\boxtimes	(_	3
1E. 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 windsheild to a pont on the hood to make			
A "v" and match the road department fleet.	\boxtimes]
Shall be base coat clear coat	\boxtimes]
Introduced on: November 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590			

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MOTOR VEHICLES: TRI	AXLE DUMP AND TE	RACTOR TRUCKS	Page Pos F	e 43 of 71 'g:k.6-48
(Note: not all vehicles will	be painted this way)		⊠ ⊠	g.k.0-40 □
1F. Spreader Leg Stands Main channels to be constr		ubing	. v	
Galvanized tubing is done thickness	to ASTM a123 grade 10	00 – 3.9 mil minimum	\boxtimes	
Crossmembers to be 3" str	uctural channel		\boxtimes	
Telescoping rear legs to be	constructed of 3 ½" x 3	3 ½" x 3/16" tubing	\boxtimes	
Adjustable front legs to piv	ot, constructed of 4" x	4" x 3/16" tubing	\boxtimes	
/ <u>ITEM # 1 – MODEL YE.</u> PLOW AND SPREADER		TAR 49X SF SPECIALIZE EQUAL (CONT'D)	D DUMP TRUCK	WITH
	,		COMPLIA YES	ANCE NO
OPTIONS (Cont'd) 1F. Spreader Leg Stands 4" adjustable steel front rol			\boxtimes	
Body guide wheels front an	nd rear of stand			
1G. One-Way Plow with 6 The one-way plow shall be Speed design.		uty and shall be of a high	\boxtimes	
It shall have a clearing path. The nose shoe.	of 9' with an 11' 3" cut	ting edge length including	\boxtimes	
The cutting edge shall be 1	32" x 8" x 2" and shall	be replaceable.	\boxtimes	
The plow shall have a nose	height of 29" and a disc	charge height of 55".	\boxtimes	
The moldboard shall be ma To the 5 - 3/8" ribs and the		2" x 1/4" angle leader welded		
The bottom cutting edge ba	ncker shall be 4" x 6" x 6	5/8" angle with gussets.	\boxtimes	
This angle shall be punched Cutting edges.	d to allow the use of bot	h 8" and 3"-3"-12" punched	\boxtimes	
There shall be a 3" x 3" ang Nose end.	gle mid-way of the ribs t	from the discharge end to the	<u>.</u>	
Introduced on: November 1 Adopted on: November 1 Official Resolution#: 2021001590				
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MOTOR VEHICLES: 1R	JAXLE DUMP AND TRAC	STOR TROCKS		ge 44 of 71	
The moldboard shall be ro	oll formed of 10 gauge steel.		Res∙ ⊠	-Pg:k.6-49 □	
The moldboard shall pin t	to the push frame with 3 Aug	≤ shaped connectors.	\boxtimes		
Two of the connectors sha To trip and assist in absor	•	ring to allow the moldboard	\boxtimes		
_	e a 4" x 6" x 5/8" plated anglel push arms and there shall larms.	· · · · · · · · · · · · · · · · · · ·			
There shall be a safety character pin is removed.	ain to prevent the moldboard	l from tipping over when	\boxtimes)	
The plow shall have two a	adjustable push frame shoes	and two moldboard shoes.	\boxtimes		
	EAR 2023 WESTERN STA R, AS SPECIFIED OR EQ	<u>IR 49X SF SPECIALIZED DU</u> DUAL (CONT'D)	JMP TRUCK	WITH	
			COMPL	IANCE	
			YES	NO	
OPTIONS (Cont'd)					
1G. One-Way Plow with					
•	ctured to accept carbide edg	es and adjust to 55 degrees			
To 60 degrees attack angle	3. .		\boxtimes		
The entire steel structure v	will be sandblasted and prim	ed. The plow shall be			
Painted orange on the from	-	ca. The plow shall be			
ramica orange on the nor	it and black on the back.				
Plow shall have QCP loop	installed with 2" diameter l	oop	\boxtimes		,
/1H. <u>Diagnostic Tools / To</u>	est Equipment				
Cummins Quickserv Unlin	mited Service plan, with ren	ewals, shall be provided at no ne acceptance of the equipment		·	
· · · · · · · · · · · · · · · · · · ·					
	shall be required to supply b	etween one (1) and three (3)			
Software, cabling, Full range of diagn	esting/diagnostic/programmi and adapters) and special to nostic and maintenance action. This equipment will cover	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain			
Software, cabling, Full range of diagn Vehicle operability Transmission, brak	and adapters) and special to nostic and maintenance action. This equipment will cover tes, hydraulics, and all addit	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable)	\boxtimes		
Software, cabling, Full range of diagn Vehicle operability Transmission, brak 2. All laptop compute sufficient storage a	and adapters) and special to nostic and maintenance action. This equipment will cover tes, hydraulics, and all additers will be of the newest availed memory to operate all re-	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable) ilable technology and have equired software			
Software, cabling, Full range of diagn Vehicle operability Transmission, brak 2. All laptop compute sufficient storage a 3. Provide a list of all	and adapters) and special to nostic and maintenance action. This equipment will cover tes, hydraulics, and all additers will be of the newest availand memory to operate all relatest/diagnostic/programming	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable) ilable technology and have	\boxtimes		
Software, cabling, Full range of diagn Vehicle operability Transmission, brak 2. All laptop compute sufficient storage a 3. Provide a list of all being supplied at the	and adapters) and special to nostic and maintenance action. This equipment will cover wes, hydraulics, and all addit ers will be of the newest availand memory to operate all relatest/diagnostic/programming the time of bid	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable) ilable technology and have quired software ag equipment and special tools			
Software, cabling, Full range of diagn Vehicle operability Transmission, brak 2. All laptop compute sufficient storage a 3. Provide a list of all being supplied at tl 4. All software install	and adapters) and special to nostic and maintenance action. This equipment will cover ites, hydraulics, and all additers will be of the newest availand memory to operate all relatest/diagnostic/programming the time of bid	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable) ilable technology and have equired software			
Software, cabling, Full range of diagn Vehicle operability Transmission, brak 2. All laptop compute sufficient storage a 3. Provide a list of all being supplied at the sufficient storage at the supplied at	and adapters) and special to nostic and maintenance action. This equipment will cover tes, hydraulics, and all additers will be of the newest available memory to operate all relations and activations will be time of bid lations and activations will be the county es and renewal will be proving the country of the country and renewal will be proving the country of th	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable) ilable technology and have equired software ag equipment and special tools be completed by the successful ded at no cost to the county	\boxtimes		
Software, cabling, Full range of diagn Vehicle operability Transmission, brak 2. All laptop compute sufficient storage a 3. Provide a list of all being supplied at the software install bidder at no cost to 5. All software update Introduced on: November Adopted for a periodoofniese	and adapters) and special to nostic and maintenance action. This equipment will cover tes, hydraulics, and all additers will be of the newest available memory to operate all relations and activations will be time of bid lations and activations will be the county es and renewal will be proving the country of the country and renewal will be proving the country of th	ing equipment (i.e. Laptop, ols required to perform the ons necessary to maintain the vehicle chassis, engine, ional equipment (if applicable) ilable technology and have equired software ag equipment and special tools be completed by the successful ded at no cost to the county			

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Page 45 of 71 Res-Pg:k.6-5
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		Res-Pg.k.o-5
county for a period of five (5) years from the acceptance of the equipment 7. Training shall be provided on all items in this section at a specified county	\boxtimes	
location	\boxtimes	
11. 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	\boxtimes	
/ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUM PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	<u>IP TI</u>	RUCK WITH
	<u>CO</u>	MPLIANCE
OPTIONS (Cont'd)	<u>YE</u>	<u>NO</u>
1J. 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 /	;. 🛛	
1K. 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 techn Level and should address limited theory, fault diagnosis and repair pertaining specificall		
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 Introduced on: November 17, 2021 Adopted Electrical November 17, 2021 Adopted Electrical November 17, 2021 Official Receiving 2021004590		
Official Resolution#: 2021001590		

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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 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. ✓ ITEM #1 — MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D) COMPLI	
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 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. MITEM #1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	
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. ITEM # 1 – MODEL YEAR 2023 WESTERN STAR 49X SF SPECIALIZED DUMP TRUCK PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	
PLOW AND SPREADER, AS SPECIFIED OR EQUAL (CONT'D)	
COMPLI	<u>WITH</u>
OPTIONS (Cont'd)	ANCE NO
1K. <u>Technical Support</u> (Cont'd) 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	

Introduced on: November 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590

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/	/ <u> </u>	3, OR NEWER	, SPECIALIZED	WESTERN S	TAR 49X TR	ACTOR, A	<u>S</u>
	SPECIFIED, OR EQUAL	1.					

Manufacturer/Model: Western Star 49X SF

Engine: Cummins X15

Transmission: Allison 4700 RDS

Warranty: 1 Year Basic and Extended Warranty Per Specs

Delivery, A.R.O.: 300 Days

	COMPLIAN	
MODEL	<u>YES</u>	<u>NO</u>
Set Forward Axle	\boxtimes	
Lh Primary Steering Location		
GENERAL		
Maximum 8% Expected Grade	\boxtimes	
3 Axle Tractor	\boxtimes	
Front Axle 16,000 Lbs.	\boxtimes	
Rear Axle 46,000 Lbs.	\boxtimes	
Registered GVWR 80,000 Lbs Introduced on: November 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590		

MOTOR VEHICLES: TRIAXLE DU	JMP AND TRACTOR TRI	UCKS	Pa Res	ge 48 of 71 - Pg:k.6-53
ENGINE Cummins X15 Performance Series			\boxtimes	
14.9 L 912 Cid Minimum 525 HP @	1900 rpm		\boxtimes	
Gov 1900 Rpm, And 1850 LbFt. To	orque @ 1000 rpm		\boxtimes	
Must Be In Line 6 Cylinder of Wet S Cylinder Liners for Durability, And I Diagnosis When Needed	U /			
Minimum Displacement Shall Be 14.	9 Liters	\	\boxtimes	
Engine Must Comply With Latest Fe	deral Mandate for Diesel E	missions	\boxtimes	
ITEM #2 – MODEL YEAR 2023, O SPECIFIED, OR EQUAL (CONT'		ZED WESTERN STA	COMPL	
ENGINE (Cont'd)			<u>YES</u>	<u>NO</u>
Should An Alternate Power Plant Be All Necessary Technical Data To Sho Maintenance Schedules				
ENGINE EQUIPMENT				
Engine Shall Have Latest 50 State Cl	ean Idle Diesel Emission C	ertification	\boxtimes	
Oil Check and Fill: Engine Mounted			\boxtimes	
Air Intake: Side of Hood Air Intake w Cleaner and Passive Precleaner Integr	•	Capacity Air	\boxtimes	
Alternator: 200 Amp 28si with Remo	te Battery Volt Sense		\boxtimes	Π, -
Batteries: Four (4) 12-Volt 740rc Mai	intenance-Free 4000 CCA	•	\boxtimes	
Stack Battery Box with Aluminum Co Side Aft Of Cab	over: Frame Mounted Righ	t		
Positive Load Disconnect Control Sw Of Driver Seat	ritch Mounted Outboard		\boxtimes	
Remote Jump Start Studs Mounted O	n Frame Next To Starter		\boxtimes	
Silicone Heater/Radiator Hoses Wher Introduced on: November 17, 2021 Adopted on: November 17, 2021 Official Resolution#: 2021001590	re Possible			
The second secon	The state of the s	Butter of the state of the stat		

		JMP AND TRACTOR TRUCK th Internal Safety Valve	S _.		Page 49 of 71 es-Pg:k.6-54
Engine Protec Down Function	•	-Integral Warning System with	Shut		. 🗆
_	: Cummins Intebrake Co ow, Med, and High Reta	ompression Brake With On Off ardation Switch	Dash		
_	_	ab ATD with Bright Finish Upp ows Cab Mounted LH & RH	per 11'	\boxtimes	
Exhaust Shiele	ds: Stainless Steel				
	ectronically Controlled vith Dash Switch and Inc	Variable Speed Viscous Automadicator Light	atic	\boxtimes	
13 Gallon Die	sel Exhaust Fluid Tank				
	IODEL YEAR 2023, O OR EQUAL (CONT'	OR NEWER, SPECIALIZED '	WESTERN STAR	49X TI	RACTOR, AS
<u>SI ECIFIED,</u>	ON EQUAL (COM	<i>D)</i>		COMI YES	PLIANCE
	UIPMENT (Cont'd)	ND m. 1			<u>NO</u>
	Aluminum Cover for D	DEF lank			
Oil Filter: Full	l-Flow			\boxtimes	
Radiator: 1400) Square Inch Server Se	rvice Assembly Bolted To Engi	ine		
Radiator Drain	ı Valve				
Radiator Prote	ection Package			\boxtimes	
2 Piece Fan Sh	aroud and Rear Rock G	uard		\boxtimes	
Ethylene Glyc	ol Pre-Charged SCA He	eavy Duty Coolant-34F		\boxtimes	
Coolant House	es: Silicone Heater, Rad	liator, Where Possible		\boxtimes	
Hose Clamps:	Constant Tension for C	Coolant Hoses and Air Intake Sy	rstem	\boxtimes	
Engine Heathe	er: Phillips 1500w/115v	· ·		\boxtimes	
Chrome Heate	r Receptacle: Mounted	Under Driver's Door		\boxtimes	
Cast Iron Fron	t and Rear Engine Supp	ports		\boxtimes	
Introduced on: Stdetted Delco Official Resolutio	November 17, 2021 12 \%9\mp\er 17 [20 £) CP n#: 2021001590			\boxtimes	
		The Charles and The State Charles	a control descriptions		the state of the s

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		Page 50 of 71 es-Pg:k.6-55
TRANSMISSION AND EQUIPMENT Allison RDS 4700 Automatic Transmission with PTO Provision	\boxtimes	
Programming For Max Speed of 70 Mph	\boxtimes	
S1 Performance Primary Shift Schedule	\boxtimes	
1900 Rpm Primary Mode Shift Speed		
Disable-Load Based Shift Schedule	\boxtimes	
Transmission Prognostics-Enabled	\boxtimes	
PTO Mounting LH Side Of Main Transmission	\boxtimes	., 🗆
Water to Oil Transmission Cooler	\boxtimes	
✓ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA	R 49X TI	RACTOR, AS
SPECIFIED, OR EQUAL (CONT'D)	COMI	PLIANCE
. TED A NICHMEGGEONE A NEW PROCEEDS MORNITO (CL.,, 42.3)	YES	NO
TRANSMISSION AND EQUIPMENT (Cont'd) Magnetic Plugs, Engine Drain, Transmission Drain, Axle(S) Fill and Drain		
Push Button Shift Control	\boxtimes	
Synthetic Transmission Fluid	\boxtimes	
Transmission Oil Check And Fill With Electronic Oil Level Check	\boxtimes	
FRONT AXLE AND SUSPENSION		
Detroit Da-F 16.0-5 16,000 Lb. 71.5 KPI/3.74 Drop Front Axle	\boxtimes	· 🗆
Meritor 16.5x6 Q+ Cast Spider Cam Front Brakes	\boxtimes	
Brakes, Double Anchor, Fabricated Shoe	. 🖾	
Non-Asbestos Front Brake Lining Severe Service	\boxtimes	
Conmet Cast Iron Front Brake Drums		
Front Brake Dust Shields	\boxtimes	
Front Oil Seals	\boxtimes	
Warning Growt Hub No approximately 2021 down, Center and Side Plugs Adopted on: November 17, 2021 Official Resolution#: 2021001590		
		us samula an est su

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUC Synthetic 75W-90 Front Axles Lube	CKS · · · · · · · · · · · · · · · · · · ·	Page 51 of 71 Res-Pg:k.6-56 □
Haldex Automatic Front Slack Adjusters with Stainless Steel Clevi	is 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. /ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED SPECIALIZED OF FOLIAL (CONTURE)	⊠ D WESTERN STAR 49∑	□ <u>K TRACTOR, AS</u>
SPECIFIED, OR EQUAL (CONT'D)	<u>CC</u> <u>YI</u>	OMPLIANCE ES NO
Iron Rear Axle Carrier Housing		· 🗆
SPL250HD XL Dana Spicer Main Driveline with Half Round Yoke	es 🗵	
SPL170 XL Dana Spicer Interaxle Driveline with Half Round Yoke	es 🛛	
Driver Control Differential Lockout Both Rear Axles, Indicator Lig For Traction Device	ght ⊠	
Synthetic 75W-90W All Axles	\boxtimes	
Meritor 16.5 X 8.62"Cast Spider Cam Double Anchor Fabricated S	Shoes 🛛	
Non-Asbestos Rear Brake Lining	\boxtimes	
Conmet Cast Iron Rear Brake Drums	\boxtimes	
Rear Brake Dust Shields	\boxtimes	
Haldex Automatic Rear Slack Adjusters W/Stainless Steel Clevis P	rins 🗵	
Rear Oil Seals		
Berroduced on: November 17, 2921 Prive Axle Spring Heavy Duty 30/3 Adopted on: Official Resolution#: 2021001590	36 ⊠	
	The second secon	p. 1 value laboration of

MOTOR VEHICLES: Parking Brake Chamb		ND TRACTOR TRUCKS		Page 52 of 71 S-Pg:k_6-57
Forward Of Axle Mou	inted Parking Chambe	ers		
Standard Spindle Nuts	For All Axles	·	\boxtimes	
46000# Tuftrac Susper Leaf Springs Rubber F		l Pivit Points Parabolic Taper Iaintenance Free	· .	
56" Axle Spacing			\boxtimes	
Fore/Aft and Transver	se Control Rods		\boxtimes	
Rear Shock Absorbers	- Two Axles		\boxtimes	
BRAKE SYSTEM Ed Wabco 4S/4M ABSs V		And Off-Road Switch	×	
/ITEM #2 – MODEL SPECIFIED, OR EQ		EWER, SPECIALIZED WESTERN STA	AR 49X TR	ACTOR, AS
	(COMP YES	LIANCE <u>NO</u>
BRAKE SYSTEM E Reinforced Nylon, Fab		d) Braid Chassis Air Lines		. 🛮
Bendix Brake Valves	Where Possible		 	
Relay Valve With 5.5	Psi Crack Pressure			
Bendix Ad-9 Air Drye	r- Frame Mounted		\boxtimes	
Aluminum Air Brake I	Reservoirs	,	\ .	
Cab Blow Out Kit Wit	h Nozzle Inside LH (Cab Entry Door	\boxtimes	
Dv-2 Auto Drain Valv Air Reservoirs	e With Heat To Wet	Tank, Pull Cables On All Other	\boxtimes	
Hand Control Valve Fo	or Trailer Brakes		\boxtimes	
FRAME AND WHEI 220" Wheelbase with 1			\boxtimes	
.51 X 343 X 10-3/4 S	teel Frame 120 KSI 2	26.81 Sm 3,216,626 RBM Single Channel	\boxtimes	
Splayed Frame Rails F		nner or Outer	<u>~</u>	
Frame Reinforcements Introduced on: Novem Adopted on: Novem Official Resolution#: 202100	ber 17, 2021			
	and the second s	Sun transport and the Committee of the C		A Martina de Martina d

MOTOR VEHICLES: TRI Phosphate Coated Frame F		ID TRACTOR TRUCKS	Pag Res-F ⊠	e 53 of 71 Pg:k.6-58 □
Tapered Rear End of Fram	e For Plate Mount			
Heavy Duty Ductile Iron E	ngine Crossmemb	er		
Heavy Duty Back Oftransı	nission Crossmem	ber		
Heavy Duty Steel Midship	#1 Crossmember			
Tractor Steel C-Channel C	rossmember With	3.5" King Pin Clearance	⊠	
Standard Weight Rear Mon	unted Suspension (Crossmember		
CHASSIS EQUIPMENT Connector Powered Through		ed End Of Frame	\boxtimes	
5/16" Bright Steel Bumper	With Center Tow	Pin .	\bowtie	
ITEM #2 – MODEL YEA SPECIFIED, OR EQUAL		VER, SPECIALIZED WESTE	RN STAR 49X TRAC	CTOR, AS
	<u></u>		COMPLLA YES	ANCE NO
CHASSIS EQUIPMENT Fender Mounted Front Mu	•		<u> </u>	
LH Back Of Cab Access				
Fine Threaded Hex Chassis	s Fasteners Phosph	ate Coated		
Air Piping and Electrical In	idependently Clipp	oed To Frame		
7-Way Round Trailer Plug				
Holland Fw35 ILS Air Slid	le 5 th Wheel W/Le:	ft Hand Release		
•		ded For Back Of Cab Access and Hand Rail On Driver's Side.		
Hoses To Be Safely Coiled Dummy Hydraulic End Co	While Not In Use uplers Installed W	In A Way That Allows The Hydr . There Shall Be here The End Fittings Of The ; This Will Prevent Damage To	aulic	
The Fittings And Hoses As	-			
FUEL TANKS AND EQU Single Letter 150 Gallon Fuel Adopted on: November 1 Official Resolution#: 2021001590	7,7202k With Steps 17, 2021	W/60 Gallon RH Hydraulic Oil	\boxtimes	
en de la companya de	and the state of the state of		one as about the second	e de la companya de l

MOTOR VEHICLES: T LH Fuel Tank Mounted	RIAXLE DUMP AND T Forward	RACTOR TRUCKS		ge 54 of 71 - Pg:k_6-59
25" Diameter Fuel Tank	(S)			
Aluminum Fuel Tank Br	acket(S)			
Plain Aluminum Fuel Ta	ank With Polished Stainle	ss Bands	\boxtimes	🗆
Alliance Fuel/Water Sep	arator With Heated Bowl	And Indicator Light		
Inboard Fuel System				
High Temperature Reinf	orced Nylon Fuel Hose			
No Fuel Cooler			\boxtimes	
In Tank Fuel Lever Send	er			
,				
ITEM #2 – MODEL YI SPECIFIED, OR EQU		, SPECIALIZED WESTE	RN STAR 49X TRA	CTOR, AS
		· · · · · · · · · · · · · · · · · · ·	COMPL YES	IANCE NO
FRONT TIRES, HUBS				
Michelin XZE 12R X 22	.5 10 Ply			
Conmet Iron Front Hubs				
Accuride 28828 Inset 2 I	Hand 22.5 X 8.25 10-Hub	Pilot Disc Front Wheels	\boxtimes	
	HUBS, AND WHEELS	•	N/	
Michelin Xds2 11r 22.5	16 Ply Rear Drive Axle T	ires		
Conmet Iron Rear Hubs		,	\boxtimes	
Accuride 28828 2 Hand	22.5 X 8.25 10 Hub Pilot	Steel		
Steel Disc Rear Wheels				
Nylon Wheel Guards Fro	ont And Rear All Interface	es	\boxtimes	
Wheel-Check High Visit Wheels	oility Green Loose Wheel	Nut Indicator On All	⊠	
	Steel Reinforced Alumin er 17, 2021 er 17, 2021 s90	um Cab	\B	
The second second		The Proof State (State Control	on a section and section and section as	e de la companya de l

and the state of t

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS Galvanized E Coated Sealed Steel Door Construction	•	ge 55 of 71 Pg:k.6-60
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	\boxtimes	
Bolt On Molded Fender Extensions	\boxtimes	
LH/RH Exterior Grab Handles With Rubber Insert And RH Interior Grab Handle Mounted To Reinforced 'A' Post	\boxtimes	
Stainless Steel Radiator Mounted Grille	\boxtimes	
Stainless Steel Radiator Shell/Hood Bezel With Tilt Hood Handle		
Molded Resin Hood With Isolated Hood Suspension Mounting System	\boxtimes	
Hood Opening Strut Assist With safety Lock ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN S	⊠ TAR 49X TRA	□ CTOR, AS
SPECIFIED, OR EQUAL (CONT'D)	COMPLI	
CAB EXTERIOR (Cont'd) Two (2) Hadley Sd-978 26" Air Horns	<u>YES</u> ⊠	<u>NO</u> □
Single Electric Horn	\boxtimes	□.
Horn Shields		
All Locks Keyed With the Same 6 Keys	\boxtimes	
Dual Stage Headlights 45 Degree Pattern with Heated Lens System	\boxtimes	
Aerodynamic Led Marker Lights In Stainless Steel Visor		
Individual LED Stop/Tail/Turn/Backup Lights Flush Mounted End Of Frame	\boxtimes	. 🗆
Led Rear Facing Turn Signal Lamps In Convex Mirror Lens In Addition To Standard Front Turn Signal Lamps	\boxtimes	
Dualc-Bar Mirror System Bright Finish C-Bar, Heated Mirrors, Dual Remote, Turn Signal indicators, Stainless Steel Back Cover With Integral	⊠	
Introduced on: November 17, 2021 Adopted on: November 17, 2021 Difficial Resolution#: 2021001590 itches on Door Panels	\boxtimes	
	The street by the street by	 - - ~ ~ ~

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		age 56 of 71 -Pg:k.6-61
102" Equipment Width	\boxtimes	
LH/RH Integral Convex Mirrors, Bright Finish Stainless Steel Exterior Sun Visor	\boxtimes	
LH/RH Heated Hood Mounted Side View Mirrors, Black Finish	· ⊠	
(3) Piece Solar Tinted Impact Resistant Polycarbonate Rear Window Configuration (1) 31x20" (2) 9x20"	\boxtimes	
Tinted Door Glass LH & RH Tinted	\boxtimes	
Lower Right Hand Door Window with Fresnel Lens	\boxtimes	
Electric Door Window Regulators	\boxtimes	
One (1) Piece Tinted Roped In Full Grid Heated Windshield		
Two (2) Gallon Windshield Washer Reservoir With Fluid Level Indicator	\boxtimes	
<u>ITEM #2 = MODEL-YEAR 2023, OR NEWER, SPECIALIZED WESTERN ST. SPECIFIED, OR EQUAL (CONT'D)</u>	<u>AR-49X-TRA</u>	ACTOR, AS
STECTIED, OKEQUAL (CONT D)	COMPL	
CAB INTERIOR Gray Vinyl Premium Interior	COMPI YES ⊠	JANCE NO □
CAB INTERIOR	YES	NO
CAB INTERIOR Gray Vinyl Premium Interior	YES	NO □
CAB INTERIOR Gray Vinyl Premium Interior Black Mats With Added Floor Heat Noise Insulation	YES	<u>NO</u> . □
CAB INTERIOR Gray Vinyl Premium Interior Black Mats With Added Floor Heat Noise Insulation 12 Volt Power Supply In Dash	YES	NO .
CAB INTERIOR Gray Vinyl Premium Interior Black Mats With Added Floor Heat Noise Insulation 12 Volt Power Supply In Dash Forward Roof Mounted Console	YES	NO .
CAB INTERIOR Gray Vinyl Premium Interior Black Mats With Added Floor Heat Noise Insulation 12 Volt Power Supply In Dash Forward Roof Mounted Console Storage Pockets Integrated Into Door Panel, Left And Right Doors	YES	
CAB INTERIOR Gray Vinyl Premium Interior Black Mats With Added Floor Heat Noise Insulation 12 Volt Power Supply In Dash Forward Roof Mounted Console 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	YES	
CAB INTERIOR Gray Vinyl Premium Interior Black Mats With Added Floor Heat Noise Insulation 12 Volt Power Supply In Dash Forward Roof Mounted Console 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	YES	

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MOTOR VEHICLES: TRIAXLE I	•			_⊠ F	_	57 of 71 j: k.6-62
Standard Heater Plumbing With Ba	an shuton varves h	At Supply Lines				
Heavy Duty Air Conditioner Comp	oressor			\boxtimes		
Radiator Mounted A/C Condenser				\boxtimes		
Binary Control, R-134a						
Premium Cab Insulation with Addi	itional Noise/Thern	nal Treatment	\boxtimes		, 🗖	-
Centralized Logic Controllers in M Houses Onboard ECU, and Ten (10		•	\boxtimes			
Multiplexed Electrical System	,			\boxtimes		
Premium Led Cab Lighting						□ .
Color Coded And Laser Etched Wi	ring			\boxtimes		
Door Activated Led Lights		•		\boxtimes		
Cab Door Latches With Electric Do ITEM #2 = MODEL YEAR 2023	, OR NEWER, SP	ECIALIZED WESTER	N STAI	⊠ R-49X-7	<u> ract</u>	□ OR, AS
SPECIFIED, OR EQUAL (CON	1'D)				<u>IPLIAN</u>	NCE
CAB INTERIOR (Cont'd)				<u>YES</u>		<u>NO</u>
Triangular Reflectors Without Flar	es			\boxtimes		
Elite Heated High Back Air Susper Chamber Air Lumbar Support, Inte And Rear Cushion Tilt With Adjus	grated Cushion Ex	tension, Forward	•		-	'
Outboard Driver And Passenger An	m Rests			\boxtimes		
Grey Mordura Cloth Driver And Pa	assenger Seat Cove	r		\boxtimes		
3 Point Driver And Passenger Seat	Belts With Seat Be	elt Retractor		\boxtimes		
Adjustable Tilt Steering Column				\boxtimes		
18" Steering Wheel With Multi-Fur Chrome Switch Bezels	nction Integrated C	ontrols With		\boxtimes		
Driver/Passenger Interior Sun Viso	rs	•		\boxtimes		
UNSTRUMENT PANELS AND OWNER Around Dash That Allows Untroduced on: November 17, 2021 Cantiste With Up Tagodigital coauge Official Resolution#: 2021001590	p To 13 Gauges Ar	nd Driver Command		\boxtimes		
The state of the s	Section 1	in the second of	A	د در		

MOTOR VEHI	CLES: TRIAXLE DUMP AND TRACT	OR TRUCKS		age 58 of 71 - Pg:k.6-63
Teak Accent Su	rround With Round Gauges			
Low Air Pressu	re Light And Buzzer		\boxtimes	
Primary And Se	condary Air Pressure Gauges		\boxtimes	
Dash Mounted	Air Restriction Gauge			
87 Db To 112 I	b Self-Adjusting Backup Alarm		\boxtimes	
Electronic Stab	lity Control			
Electronic Cruis	se Control		\boxtimes	. 🗆
Warning Light	Bar Display Mounted In Teak Finish		\boxtimes	
Instrument Clus	ter Gauges With Bright Bezels		\boxtimes	
Data Star Drive	r Display		\boxtimes	
1708/1936, Loc	board Diagnostic Interface Connector, 9 ated Below Dash DEL YEAR 2023, OR NEWER, SPE		ΓAR 49X TRA	CTOR, AS
SPECIFIED, O	OR EQUAL (CONT'D)	•		
			COMPL	
	TPANELS AND CONTROLS (Cont'e	1)	COMPL YES ⊠	IANCE NO
INSTRUMENT Electric Fuel Ga	TPANELS AND CONTROLS (Cont'e	i)	YES	NO
INSTRUMENT Electric Fuel Ga Electrical Engin	F PANELS AND CONTROLS (Cont'o	d)	YES 🖂	<u>NO</u> □
INSTRUMENT Electric Fuel Ga Electrical Engin Transmission O	F PANELS AND CONTROLS (Cont'e auge) e Coolant Temperature Gauge	•	YES	<u>NO</u> □
INSTRUMENT Electric Fuel Ga Electrical Engin Transmission O	F PANELS AND CONTROLS (Cont') The control of the c	•	YES	NO
INSTRUMENTE Electric Fuel Garante Electrical Engine Transmission Of Engine And Trip Engine Oil Press	F PANELS AND CONTROLS (Cont') The control of the c	splay	YES	
INSTRUMENT Electric Fuel Ga Electrical Engine Transmission O Engine And Trip Engine Oil Press AM/FM WB Ste	F PANELS AND CONTROLS (Cont'ouge e Coolant Temperature Gauge il Temperature Gauge Hour Meters Integral Within Driver Dissure Gauge	splay	YES	
INSTRUMENT Electric Fuel Ga Electrical Engine Transmission O Engine And Trip Engine Oil Press AM/FM WB Sta USB and Auxili	F PANELS AND CONTROLS (Cont'on uge e Coolant Temperature Gauge il Temperature Gauge Hour Meters Integral Within Driver Dissure Gauge ereo Radio with Bluetooth iPod Interface	splay	YES	
INSTRUMENT Electric Fuel Ga Electrical Engine Transmission O Engine And Trip Engine Oil Press AM/FM WB Sta USB and Auxili Two (2) Radio S	F PANELS AND CONTROLS (Cont'e auge e Coolant Temperature Gauge el Temperature Gauge el Hour Meters Integral Within Driver Dissure Gauge ereo Radio with Bluetooth iPod Interface ary Inputs, J1939	splay	YES	
INSTRUMENT Electric Fuel Ga Electrical Engine Transmission O Engine And Trip Engine Oil Press AM/FM WB Sta USB and Auxili Two (2) Radio S Headliner Multi Electroneic Outsi	E PANELS AND CONTROLS (Cont'e auge auge e Coolant Temperature Gauge al Temperature Gauge o Hour Meters Integral Within Driver Dissure Gauge ereo Radio with Bluetooth iPod Interface ary Inputs, J1939 speakers (Cab Only)	splay splay setooth/GNSS/GPS	YES	

	MOTOR VEHICLES: TRIAXLE DUMP	AND TRACTOR TRU	JCKS	Page 5 Res-Pg :	9 of 71 : k.6-64
	PTO Switch Dash Mounted With Indicato	r Light		\boxtimes	
	24" Wiper Blades			\boxtimes	
	Electric Windshield Wiper Motor With De	elay			
	Rotary Headlamp Switch, Marker Lights/I For Optional Road Lamps	Headlights Switch Witl	h Pull Out	\boxtimes	
	Switch Indicator Light and 10' Of Wire O Furnished Utility Lights	n Chassis LH Back Of	Cab for Customer	\boxtimes	
	Two-Valve Parking Brake System		·	\boxtimes	□.
	Self-Cancelling Turn Signal Switch With Wash/ Wipe/ Intermittent	Dimmer Head Light Fl	ash	\boxtimes	
	ACCESSORIES TO BE INCLUDED One (1) Complete Set of Filters For Cab/C	Chassis, Drive Train Ar	nd Upfit		
	5 Gallons of Recommended-Use Hydrauli	c Fluid	/		
7	PAINT Paint shall be designated on the Purchase listed under Options. UNDERCOATING Entire Truck Chassin Underside Of Cab A	Order and shall be one	of the available options	COMPLIAN YES ⊠	
	PAINT Paint shall be designated on the Purchase of listed under Options. UNDERCOATING Entire Truck Chassis, Underside Of Cab A Pan (Dump, Utility, Platform) To Be Coat Black Which Is Low Voc, High Solids, En Coating, or Equal PROTECT CLASS-8 CAB RACKS 68" X 80" Deluxe Cab Rack With: Window Two Chain Hangers	Order and shall be one and Underside Of Added	of the available options ed Body, Oil laps Free	COMPLIAN YES	ICE NO
	PAINT Paint shall be designated on the Purchase of listed under Options. UNDERCOATING Entire Truck Chassis, Underside Of Cab A Pan (Dump, Utility, Platform) To Be Coat Black Which Is Low Voc, High Solids, En Coating, or Equal PROTECT CLASS-8 CAB RACKS 68" X 80" Deluxe Cab Rack With: • Window	Order and shall be one and Underside Of Added	of the available options ed Body, Oil laps Free	COMPLIAN YES ⊠	ICE NO
	PAINT Paint shall be designated on the Purchase disted under Options. UNDERCOATING Entire Truck Chassis, Underside Of Cab A Pan (Dump, Utility, Platform) To Be Coat Black Which Is Low Voc, High Solids, En Coating, or Equal PROTECT CLASS-8 CAB RACKS 68" X 80" Deluxe Cab Rack With: Window Two Chain Hangers Two Chain Trays	Order and shall be one and Underside Of Added	of the available options ed Body, Oil laps Free	COMPLIAN YES	ICE NO
	PAINT Paint shall be designated on the Purchase of listed under Options. UNDERCOATING Entire Truck Chassis, Underside Of Cab A Pan (Dump, Utility, Platform) To Be Coat Black Which Is Low Voc, High Solids, En 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	Order and shall be one and Underside Of Adde ed With Tectyl 2423 H nulsion Corrosion Prev	of the available options ed Body, Oil laps Free	COMPLIAN YES	ICE NO

	Res-	ige 60 of 71 - Pg:k<u>.</u>6-65
Two (2) 14-Position Locking Chain Hangers		
Locking Center-Mount Toolbox	\boxtimes	
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	\boxtimes	
Stop/Tail/Turn, Oval LED	\boxtimes	
PROTECH STORAGE BOX Aluminum Step Box with .105 Diamond Plate Aluminum Lid Mounted On	\boxtimes	
Curbside Location	\boxtimes	
Grip Strut Steps	\boxtimes	
Neoprene Bulb Style Seals	\boxtimes	
Stainless Steel Locking T-Latches	_ <u> </u>	
SPECIFIED, OR EQUAL (CONT'D)	COMPL YES	IANCE NO
PROTECH STORAGE BOX (Cont'd) Internal Mounting Brackets	YES ⊠	<u>NO</u> □
Dimensions: 25"H X 28"D X 36"W	\boxtimes	
·		
Polished Aluminum (20-2460s)	\boxtimes	
· ,		
Polished Aluminum Lid		_
Polished Aluminum Lid Wide Mouth Opening (20-2460w)		
Polished Aluminum Lid Wide Mouth Opening (20-2460w) Continuous Seam Mig Welds On Stress Panels, Such As The Box Floor		
Polished Aluminum Lid 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		
Polished Aluminum (20-2460s) Polished Aluminum Lid 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		
Polished Aluminum Lid 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		

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS All Lines Must Be Long Enough To Reach Low Boy Trailer	Pag Res-F ⊠	ge 61 o Pg:k <u>.(</u>
Bulkhead Bracket To Accommodate Airlines And 7 Way Trailer Plug For	\boxtimes	
Safe Storage When Trailer Is Not In Use	\boxtimes	
WHELEN TLI2F 12 Vdc Split Amber/White Surface Mount Lighthead With 33 Scan-Lock	\boxtimes	
Flash Patterns: • Two In The Grill • Two On The Side • Two In The Rear		
Lights To Operate Off Cab Switches	\boxtimes	
FRONT FENDERS Quarter Front Fenders shall Be Made From Stainless Steel	\boxtimes	
Brackets shall Be Made Out Of Stainless Steel		
REAR MUD FLAPS Rear Mud Flap With Removable Bracket B83		
ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA	AR 49X TRAC	CTOR
SPECIFIED, OR EQUAL (CONT'D)	COMPLI YES	ANCE
	COMPLI YES	ANCE <u>N</u>
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT	<u>COMPLI</u> <u>YES</u> TTAILER ⊠	ANCI <u>N</u>
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL	COMPLI YES TRAILER ⊠	
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service	COMPLI YES TRAILER L	ANCE N
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service Basic Vehicle - 1 Year, 50,000 Miles	COMPLI YES TRAILER L	ANCE
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service Basic Vehicle - 1 Year, 50,000 Miles Battery - 1 Year, 50,000 Miles	COMPLI YES TRAILER L	ANCE
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service Basic Vehicle - 1 Year, 50,000 Miles Battery - 1 Year, 50,000 Miles Brightwork – 6 Months, Unlimited	COMPLI YES TRAILER L L L	ANCE
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service Basic Vehicle - 1 Year, 50,000 Miles Battery - 1 Year, 50,000 Miles Brightwork - 6 Months, Unlimited Cab Corrosion/Perforation - 5 Years, Unlimited	COMPLI YES TRAILER L L L	ANCE
SPECIFIED, OR EQUAL (CONT'D) HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service Basic Vehicle - 1 Year, 50,000 Miles Battery - 1 Year, 50,000 Miles Brightwork - 6 Months, Unlimited Cab Corrosion/Perforation - 5 Years, Unlimited Cab Structure - 1 Year, 100,000 Miles	COMPLI YES TRAILER L L L L	ANCE
HYDRAULIC SPECIFICATIONS FOR LOWBOY SPECIALTY EQUIPMENT See Options WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQUAL Western Star Severe Service Basic Vehicle - 1 Year, 50,000 Miles Battery - 1 Year, 50,000 Miles Brightwork - 6 Months, Unlimited Cab Corrosion/Perforation - 5 Years, Unlimited Cab Structure - 1 Year, 100,000 Miles Corrosion - 6 Months, Unlimited	COMPLI YES TRAILER L L L L L L L L L L L L L	ANCE

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		ge 62 of 71 - Pg:k.6-67
GHG/17 (Medium Heavy Duty To Heavy Duty Trucks/Tractors) – 5 Years, 100,000 Miles	×	□ □
GHG14/17 Tire (File Direct) – 2 Years, 24,000 Miles	\boxtimes	
Frame Rails – 3 Years, 300,000	\boxtimes	
Front/Steer Axle: Detroit – 1 Year, Unlimited	\boxtimes	
Front/Steer Axle 1 Year, 100,000 Miles		
Paint – 1 Year, 50,000 Miles	\boxtimes	
Paint, Chassis – 6 Months, Unlimited	\boxtimes	
Rear Axle: 1 Year, 100,000 Miles	\boxtimes	
Towing For Warranty Repair – 5 Years Unlimited Mileage	\boxtimes	
Cummins 5 Year 100,000 Mile Engine And ATS Warranty	\boxtimes	
/ ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN S SPECIFIED, OR EQUAL (CONT'D)		
SPECIFIED, OR EQUAL (CONT'D) WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQU	<u>COMPL</u> <u>YES</u> J <u>AL</u> (Cont'd)	
SPECIFIED, OR EQUAL (CONT'D)	COMPL YES	IANCE
WARRANTY FOR A 2022 WESTERN STAR 4900 SF OR APPROVED EQU Cummins Protection Plan I: 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	<u>COMPL</u> <u>YES</u> JAL (Cont'd) ⊠	IANCE NO

Adopted on: November 17, 2021
Official Resolution#: 2021001590

Dualta System Equipment	Res	age 63 of 71 5-Pg:k.6-68
Brake System Equipment Air Connections at Back of Truck Glad Hands		
Frame and Wheelbase Square End of Frame with 58" Overhang	\boxtimes	
Front Tires, Hubs, and Wheels Michelin Xze 11r X 24.5 16 Ply		
Conmet Iron Front Hubs	\boxtimes	
Accuride 28827 Inset 2 Hand 24.5 X 8.25 10-Hub Pilot Disc Front Wheels Black	\boxtimes	
Rear Drive Tires, Hubs, and Wheels Michelin Xds2 11r 24.5 16 Ply Rear Drive Axle Tires		
Conmet Iron Rear Hubs	\boxtimes	
Accuride 28827 2 Hand 24.5 X 8.25 10 Hub Pilot Steel	\boxtimes	
Steel Disc Rear Wheels Black	\boxtimes	
Nylon Wheel Guards Front And Rear All Interfaces		
/ITEM #2 - MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA	R 49X TR	ACTOR, AS
SPECIFIED, OR EQUAL (CONT'D)		LIANCE NO
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd) Rear Drive Tires, Hubs, and Wheels (Cont'd) Wheel-Check High Visibility Green Loose Wheel Nut Indicator On All Wheels	YES	LIANCE NO
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd Rear Drive Tires, Hubs, and Wheels (Cont'd) Wheel-Check High Visibility Green Loose Wheel Nut Indicator On All	YES i) ⊠	
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd) Rear Drive Tires, Hubs, and Wheels (Cont'd) 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	YES I)	<u>NO</u>
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd) Rear Drive Tires, Hubs, and Wheels (Cont'd) 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 "v" and match the road department fleet.	YES I)	<u>NO</u>
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd) Rear Drive Tires, Hubs, and Wheels (Cont'd) 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 "v" and match the road department fleet. Shall be base coat clear coat	YES I)	NO
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd) Rear Drive Tires, Hubs, and Wheels (Cont'd) 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 "v" and match the road department fleet. Shall be base coat clear coat (Note: not all vehicles will be painted this way)	YES I)	<u>NO</u>
OPTIONS (Cont'd) OPTIONS 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd) Rear Drive Tires, Hubs, and Wheels (Cont'd) 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 "v" and match the road department fleet. Shall be base coat clear coat	YES I)	NO

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		ge 64 of 71 Pg:k.6-69
 Alley Lights And Takedowns Are To Be White Whelen Controller 	1100-1	g.k.o-00
Brackets For Mounting On Safety Back Rack		
Lightbar Flush With Top Of Cab	\boxtimes	
32 Inch 16,200 Lumen Led Clear Combination Spot-Flood Light Bar Mounted On Top Crossmember Of The Headache Rack Facing Downward	×	
Flash Patterns	\boxtimes	
Rated Ip67 For Dust And Water Resistance	\ , ·	
Height 4.89"		
Lead Length 52"	\boxtimes	
Lens Shape Round	\boxtimes	
/ ITEM #2 = MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA	R 49X TRAC	ETOR, AS
ITEM #2 MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA SPECIFIED, OR EQUAL (CONT'D)		
ITEM #2 = MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA SPECIFIED, OR EQUAL (CONT'D)	R 49X TRAC COMPLI YES	
ITEM #2 - MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STA SPECIFIED, OR EQUAL (CONT'D) OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd)	COMPLI YES	ANCE
SPECIFIED, OR EQUAL (CONT'D) OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook	COMPLI YES	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook Color: Black	COMPLI YES	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook Color: Black Finish: Powder Coated	COMPLI YES	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook Color: Black	COMPLI YES	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook Color: Black Finish: Powder Coated	COMPLI YES	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook Color: Black Finish: Powder Coated Material: Forged Steel	COMPLIATES COMPLIATES COMPLIATES	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 30 Ton Heavy-Duty Swivel Type Pintle Hook Color: Black Finish: Powder Coated Material: Forged Steel Pintle Hook Type: Swivel	COMPLIATES O III III III III III III III	ANCE
OPTIONS (Cont'd) 2A. Road Department Options (Shall Consist of all of the following items) (Cont'd 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	COMPLIATES COMPLIATES	ANCE

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1 Inch Pull Plate Mounted On Rear Of Tractor For Hitch Glad Hands Mounted On State Of Frame November 17, 2021
Adopted on: November 17, 2021
Official Resolution#: 2021001590

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MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS 7 Way Trailer Plug Round		age 65 of 71 - Pg:k.6-70
	the second	
Wide Load Sign Mounted To Front Bumper With A Stainless Steel Hinge		
Sign To Be 12" X 92"	\boxtimes	
Sign Backing To Be Made Of Alumalite Material	\boxtimes	
Reflective Material To Be Orafol Oralite 5600 5 Mil	\boxtimes	
Sign To Be Hinged In The Middle And Pinned To Curbside When Closed	\boxtimes	
Hydraulic Specifications for Lowboy Specialty Equipment Trailer Fixed Displacement Pump With Hotshift PTO: The Hydraulic Pump	\boxtimes	
Shall Be A Parker P-20, Fixed Displacement With 2.0" Gear.	\boxtimes	
Minimum Pump Displacement Is 3.9 Cid Maximum Pressure 3000psi.	\boxtimes	
Pressure Line Shall Have An In-Line Relief To Protect Against Over Pressurization.		
ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STATE SPECIFIED, OR EQUAL (CONT'D)	R 49X TRA	ACTOR, AS
SI ECITIED, ON EQUAL (CONT D)	COMPI	
OPTIONS (Cont'd)	<u>YES</u>	<u>NO</u>
2A. Road Department Options (Shall Consist of all of the following items) (Cont'd)	
Hydraulic Specifications for Lowboy Specialty Equipment Trailer (Cont'd) Pump Shall Be Bi-Rotational Or Uni-Rotational Design	×	
Hydraulic Specifications for Lowboy Specialty Equipment Trailer (Cont'd) Pump Shall Be Bi-Rotational Or Uni-Rotational Design.	\boxtimes	
Pump Shall Be Bi-Rotational Or Uni-Rotational Design.		
Pump Shall Be Bi-Rotational Or Uni-Rotational Design. Hydraulic Pump Must Be Self-Lubricating.		_
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		
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 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		
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 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		
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.		

MOTOR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS	Page (Res-P g	66 of 71 j: k.6-71
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.	×	
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	\boxtimes	
2" Ball Valve Mounted On Hydraulic Tank For Suction Line Going To The Hydrualic Pump	\boxtimes	
All Hydraulic Hoses shall have a Blind Side Quick Disconnect Mounted on Headache Rack for Safe Storage	\boxtimes	
ITEM #2 - MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAISPECIFIED, OR EQUAL (CONT'D) OPTIONS (Cont'd)	R 49X TRACT COMPLIAN YES	
	COMPLIAN	NCE
SPECIFIED, OR EQUAL (CONT'D) OPTIONS (Cont'd)	COMPLIAN	NCE
SPECIFIED, OR EQUAL (CONT'D) OPTIONS (Cont'd) 2B. Solid Waste Options (Shall consist of all of the following items) Frame and Wheelbase	COMPLIAN YES	NCE
SPECIFIED, OR EQUAL (CONT'D) OPTIONS (Cont'd) 2B. 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	COMPLIAN YES	NCE
OPTIONS (Cont'd) 2B. 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	<u>COMPLIAN</u> <u>YES</u>	NCE
OPTIONS (Cont'd) 2B. 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	COMPLIAN YES	NCE
OPTIONS (Cont'd) 2B. 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	COMPLIAN YES	NCE

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Steel Disc Rear Wheels White

The de Designation

Note on: November 17,2021 Rear All Interfaces Official Resolution#: 2021001590

		AXLE DUMP AND TR			Page 67 of 71 Res-Pg:k.6-72
Wheel	_	y Green Boose Wilder			
One (1) Spare Front and C)ne (1) Spare Rear Ti	re with White Rims		
Paint Chass	is to Be Painted Chest	nut Elite. Paint Code:	00751963EY	\boxtimes	~ 🗌
		Behind Headache Ra onnect Switch Inside C		\boxtimes	
Water	proof 150 Amp Reset	Breaker In Battery Box	<u>c</u>	\boxtimes	
Tarp C	Cable Connector Mode	el#3BY23 or equal		\boxtimes	
One T	arp Cable Connector I	Mounted To Bulkhead	For Tarp Cable Storage	\boxtimes	
	aulic Specifications F Displacement Pump V		iler And Lowboy Special	ty Equipment]	<u>Γrailer</u> □
The H	ydraulic Pump Shall F	Be A Parker P-350, Fix	ed Displacement With 2.0'	'Gear. ⊠	
	<u>I #2 – MODEL YEAI</u> IFIED, OR EQUAL		SPECIALIZED WESTE	RN STAR 49X	TRACTOR, AS
BIEC	HED, OK EQUAL	(CONT D)			MPLIANCE
				YES	<u>NO</u>
$\sqrt{\frac{2B. So}{Hydra}}$		or Walking Floor Tra	he following items) (Cont iller And Lowboy Special	'd)	
√2B. So Hydra Minim	olid Waste Options (Saulic Specifications Formatte Displacement)	or Walking Floor Tra	iler And Lowboy Special	'd) ty Equipment]	
√2B. So Hydra Minim Pump	olid Waste Options (Saulic Specifications Formatte Pump Displacement Shall Supply 25 To 30	or Walking Floor Tra ent Is 5.11 Cid.	iler And Lowboy Special	'd) <u>ty Equipment</u> 7 ⊠	Trailer (Cont'd) □
√2B. So Hydra Minim Pump	olid Waste Options (Saulic Specifications Formatte Pump Displacement Shall Supply 25 To 30	or Walking Floor Tracent Is 5.11 Cid. OGPM's At 1200 Rpm OF Uni-Rotational De	iler And Lowboy Special	'd) <u>ty Equipment</u> 7 ⊠	Trailer (Cont'd) □
√2B. So Hydra Minim Pump Pump Hydra	olid Waste Options (Saulic Specifications Form Pump Displacement Shall Supply 25 To 30 Shall Be Bi-Rotationa	or Walking Floor Tracent Is 5.11 Cid. OGPM's At 1200 Rpm of Or Uni-Rotational December 1.	iler And Lowboy Special	'd) ty Equipment 7 ⊠ ⊠	Trailer (Cont'd) □
✓ 2B. So Hydra Minim Pump Pump Hydra Pump	Shall Be Bi-Rotationa Ulic Pump Must Be Se Shaft Shall Have 1 Inc.	or Walking Floor Tracent Is 5.11 Cid. OGPM's At 1200 Rpm of Or Uni-Rotational December 1.	iler And Lowboy Special 's. esign.	'd) ty Equipment 7 ⊠	Trailer (Cont'd)
Pump Pump Pump Pump Pump Pump Pump	Shall Be Bi-Rotationa Usic Pump Must Be Seall Be PTO Mount Must Mount Directly Series Transmissions Volume 1 Income Series Transmissions Income Income Series Transmissions Income Series Transmissions Inco	or Walking Floor Tracent Is 5.11 Cid. OGPM's At 1200 Rpm I Or Uni-Rotational Deceleration of the With 15 T-Spline. With 2 Or 4 Bolt B-Flator A Chelsea "Hot Shi	iler And Lowboy Special 's. esign.	'd) ty Equipment 7	Frailer (Cont'd)
Pump Pump Pump Pump Pump Pump Pump Pump	Shall Be Bi-Rotationa Usic Pump Must Be Seall Be PTO Mount Must Mount Directly Series Transmissions Volume 1 Income Series Transmissions Income Income Series Transmissions Income Series Transmissions Inco	or Walking Floor Tracent Is 5.11 Cid. OGPM's At 1200 Rpm I Or Uni-Rotational Deceleration of the With 15 T-Spline. With 2 Or 4 Bolt B-Flator A Chelsea "Hot Shi	iler And Lowboy Special s. esign. ft" PTO On Allison 3000	'd) ty Equipment 7	Frailer (Cont'd)
Pump Pump Pump Pump Pump Pump Pump Pump	Shall Be Bi-Rotationa Ulic Pump Must Be PTO Mount Must Mount Directly Series Transmissions Ware Must Be Rear Ported.	or Walking Floor Tracent Is 5.11 Cid. OGPM's At 1200 Rpm I Or Uni-Rotational Deceleration of the With 15 T-Spline. With 2 Or 4 Bolt B-Flator A Chelsea "Hot Shi	riler And Lowboy Special r's. esign. esign. eft" PTO On Allison 3000 at Axis Or External Mounting Repairs If Required.	'd) ty Equipment 7	Trailer (Cont'd)

	E DUMF AND TRA	ACTOR TRUCKS		e 68 of 71 Pg:k.6-73
Hydraulic Pump Shall Be A Pari	ker Model P350 Or I	Equal.		
Parker DVG 20 Proportional The Central Hydraulic Valve Sy Exposure To De-Icing Chemical	stem Shall Be A Mo	•	⊠ ,	
The System Shall Provide Hydra And Lowboy Special Equipment	-	A Walking Floor Trailer	\boxtimes	
The Spool Valve Sections Shall And Serviceable Without Disass		astruction, Horizontally Stackable	\boxtimes	
The Directional Control Valves	Shall Be Cable Actu	ated.	\boxtimes	
Valve Sections Must Be Adjusta Ratings Up To 25 To 30 GPM.	able For Pressures U _l	o To 3500 Psi And Flow	\boxtimes	
Where Required Each Section M With Adjustable Relief.	fust Be Able To Lim	it The Operating Pressure	\boxtimes	
Each Directional Valve Section The Oil From Flowing Back To ITEM #2 – MODEL YEAR 20 SPECIFIED, OR EQUAL (CO	Tank. Each Section 23, OR NEWER, S		<u> </u>	CTOR, AS
STECTION ON EVER (CC) (CORENTY	4.37.075
•			COMPLIA YES	
OPTIONS (Cont'd) 2B. Solid Waste Options (Shall	l consist of all of the	e following items) (Cont'd)	YES YES	ANCE NO
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V	Valve Group (Cont		YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V Over-Ride With Lever Included.	Valve Group (Cont	(d)	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional Vover-Ride With Lever Included. Valves Must Mount With All Th	Valve Group (Cont ³ ne Work Ports Facing	g Up.	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V Over-Ride With Lever Included.	Valve Group (Cont ³ ne Work Ports Facing	g Up.	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V Over-Ride With Lever Included. Valves Must Mount With All There Shall Be Main Pressure Research	Valve Group (Cont ³ ne Work Ports Facing elieve Set At 3500ps	g Up. i To Protect Against	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V Over-Ride With Lever Included. Valves Must Mount With All The There Shall Be Main Pressure Resystem Over-Pressurization. The Walking Floor Section Shall	Valve Group (Cont ³ ne Work Ports Facing elieve Set At 3500ps l Supply 35 GPM At	g Up. i To Protect Against	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V Over-Ride With Lever Included. Valves Must Mount With All The There Shall Be Main Pressure Resystem Over-Pressurization. The Walking Floor Section Shall	Valve Group (Cont's Facing the Work Ports Facing elieve Set At 3500ps of Supply 35 GPM At the Walking Push Pull Cable Co	d) g Up. i To Protect Against 2900psi. Floor Trailer 10 GPM At 1500psi	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional V Over-Ride With Lever Included. Valves Must Mount With All The There Shall Be Main Pressure Resystem Over-Pressurization. The Walking Floor Section Shall The Lowboy Section Shall Supper Parker Valve Actuation With I Controls LeverS Shall Be Single	Valve Group (Cont's Facing the Work Ports Facing elieve Set At 3500ps of Supply 35 GPM At a ly For The Walking the Pull Cable Control of Single Axis De-Total Control of Single Axis De-Total Control of Single Axis De-Total Oxford Ox	dy Up. i To Protect Against 2900psi. Floor Trailer 10 GPM At 1500psi ntrols on With Return To Center ented Levers Stacked Together	YES	
2B. Solid Waste Options (Shall Parker DVG 20 Proportional Vover-Ride With Lever Included. Valves Must Mount With All The There Shall Be Main Pressure Resystem Over-Pressurization. The Walking Floor Section Shall The Lowboy Section Shall Supper Parker Valve Actuation With Controls Levers Shall Be Single For Safety. There Shall Be A Combination Control of The Walking For Operation Opera	Nalve Group (Cont's Facing the Work Ports Facing the Work Ports Facing the Work Ports Facing the Work Ports of Single Axis Cable Actuation of Single Axis De-Te Floor And Lowboy Total Ports of Single Axis Cable Actuation for Single Axis De-Te Floor And Lowboy Total Ports of Single Axis De-Te Floor Axi	dy Up. i To Protect Against 2900psi. Floor Trailer 10 GPM At 1500psi ntrols on With Return To Center ented Levers Stacked Together	YES	

MOTOR VEHICLES: TRIAXLE DI			nge 69 of 71 • Pg:k.6-74
Cable To Valve Connection Shall Be Single Nut Adjustment With Locking	e Clevis Ends With Mounting Bracket And g Nut.		
The Controllers Shall Be Mounted In	n Cab Inside A Totally Enclosed Single Tower.		
Reservoir And Filter Reservoir Shall Be A Chassis Mount	ed With 60 Gallon Capacity.	\boxtimes	
The Return Line Shall Have A 25 M	icron Return Filter Rated At 45-50 GPM Per Mir	ute.⊠	
Hydraulic Quick Connects To Be G9	95111-1616 Gates And G95121-1616 Gates		
Extra Set Mounted To Bulkead For I	Hose Storage	\boxtimes	
Hoses Are To Be 3/4 Inch, 11 Foot Lo	ong		
All Hydraulic Hoses Are To Have A On Headache Rach For Safe Storage	Blind Side Quick Disconnect Mounted		
2" Ball Valve Mounted On Hydraulic Hydrualic Pump	c Tank For Suction Line Going To The	\boxtimes	
ITEM #2 – MODEL YEAR 2023.	OR NEWER, SPECIALIZED WESTERN ST.	AR 49X TRA	CTOR, AS
SPECIFIED, OR EQUAL (CONT			
, ·		COMPL	IANCE
		COMPL YES	IANCE NO
OPTIONS (Cont'd) 2B. Solid Waste Options (Shall con	sist of all of the following items) (Cont'd)		
2B. Solid Waste Options (Shall con Reservoir And Filter	,		
2B. Solid Waste Options (Shall con	Prevent System From Over		
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm	Prevent System From Over oked Up nent	YES	
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quicksery Unlimited Servi	Prevent System From Over oked Up	YES	
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quickserv Unlimited Services to the county for a period of five Complete sets of testing/diagn Software, cabling, and adapte Full range of diagnostic and reservoir services.	Prevent System From Over loked Up nent lice plan, with renewals, shall be provided at no location (5) years from the acceptance of the equipment liquired to supply between one (1) and three (3) mostic/programming equipment (i.e. Laptop, locations) and special tools required to perform the maintenance actions necessary to maintain	YES	<u>NO</u>
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quickserv Unlimited Services to the county for a period of five Complete sets of testing/diagn Software, cabling, and adapte Full range of diagnostic and relief Vehicle operability. This equipment of Transmission, brakes, hydrau	Prevent System From Over loked Up nent lice plan, with renewals, shall be provided at no location (5) years from the acceptance of the equipment quired to supply between one (1) and three (3) hostic/programming equipment (i.e. Laptop, locations) and special tools required to perform the maintenance actions necessary to maintain lipment will cover the vehicle chassis, engine, lics, and all additional equipment (if applicable)	YES	<u>NO</u>
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quickserv Unlimited Servicost to the county for a period of five Complete sets of testing/diagn Software, cabling, and adapte Full range of diagnostic and relief Vehicle operability. This equipment Transmission, brakes, hydrau 2. All laptop computers will be considered.	Prevent System From Over coked Up nent ice plan, with renewals, shall be provided at no e (5) years from the acceptance of the equipment quired to supply between one (1) and three (3) nostic/programming equipment (i.e. Laptop, ers) and special tools required to perform the maintenance actions necessary to maintain ipment will cover the vehicle chassis, engine,	YES	<u>NO</u>
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quickserv Unlimited Servicost to the county for a period of five 1. Successful bidder shall be required Complete sets of testing/diagn Software, cabling, and adapted Full range of diagnostic and revenicle operability. This equipment Transmission, brakes, hydrau 2. All laptop computers will be sufficient storage and memory 3. Provide a list of all test/diagnostic and results of the sufficient storage and memory 3.	Prevent System From Over looked Up nent lice plan, with renewals, shall be provided at no location (5) years from the acceptance of the equipment liquired to supply between one (1) and three (3) mostic/programming equipment (i.e. Laptop, lices) and special tools required to perform the maintenance actions necessary to maintain lipment will cover the vehicle chassis, engine, lices, and all additional equipment (if applicable) loof the newest available technology and have live to operate all required software lostic/programming equipment and special tools	YES	NO
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quickserv Unlimited Services to the county for a period of five 1. Successful bidder shall be required Complete sets of testing/diagn Software, cabling, and adapted Full range of diagnostic and result vehicle operability. This equivalent Transmission, brakes, hydrau 2. All laptop computers will be sufficient storage and memory 3. Provide a list of all test/diagnostic and result of a list of all test/diagnostic and results of a list of a	Prevent System From Over coked Up nent ice plan, with renewals, shall be provided at no a (5) years from the acceptance of the equipment quired to supply between one (1) and three (3) mostic/programming equipment (i.e. Laptop, ars) and special tools required to perform the maintenance actions necessary to maintain ipment will cover the vehicle chassis, engine, lics, and all additional equipment (if applicable) of the newest available technology and have by to operate all required software ostic/programming equipment and special tools oid activations will be completed by the successful	YES	
2B. Solid Waste Options (Shall con Reservoir And Filter A Relief Valve Will Be Installed To Presurizing When Hoses Are Not Ho 2C. Diagnostic Tools / Test Equipm Cummins Quickserv Unlimited Servicost to the county for a period of five 1. Successful bidder shall be required Complete sets of testing/diagn Software, cabling, and adapted Full range of diagnostic and revenicle operability. This equipment Transmission, brakes, hydrau 2. All laptop computers will be sufficient storage and memory 3. Provide a list of all test/diagnostic and results of the sufficient storage and memory 3.	Prevent System From Over coked Up nent ice plan, with renewals, shall be provided at no a (5) years from the acceptance of the equipment quired to supply between one (1) and three (3) mostic/programming equipment (i.e. Laptop, ars) and special tools required to perform the maintenance actions necessary to maintain ipment will cover the vehicle chassis, engine, lics, and all additional equipment (if applicable) of the newest available technology and have by to operate all required software ostic/programming equipment and special tools oid activations will be completed by the successful	YES	NO

MOTO	OR VEHICLES: TRIAXLE DUMP AND TRACTOR TRUCKS		age 70 of 71
5.	All software updates and renewal will be provided at no cost to the county	Res	-Pg:k.6-75
6.	for a period of five (5) years from the acceptance of the equipment All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the		
7.	county for a period of five (5) years from the acceptance of the equipment Training shall be provided on all items in this section at a specified county	\boxtimes	
,	location	\boxtimes	
For the The for the Wires: Cab of Clearly	e purpose of installing two-way radios into new county vehicles and equipment, llowing 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 shall be encased in plastic wire loom and routed from their source into the the vehicle and secured in the vicinity of the operator. Wiring harness shall be a labeled "two-way radio". Wires shall be unterminated. 12vdc sources be protected from making contact with grounded metal surfaces		
	#2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAF	R 49X TR	ACTOR, AS
SPECI	IFIED, OR EQUAL (CONT'D)		
<u>~~~</u>	· · · · · · · · · · · · · · · · · · ·	COMPI	TANCE
,		COMPI YES	LIANCE NO
OPTIO 2E. <u>Ins</u> Install For the	ONS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. purpose of installing two-way radios into new county vehicles and equipment, llowing power and wiring components shall be included:		
OPTIO 2E. Install Install For the The fol	ONS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. purpose of installing two-way radios into new county vehicles and equipment,		
OPTIO 2E. Install: Install: For the The foll 1.	ONS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. purpose of installing two-way radios into new county vehicles and equipment, llowing power and wiring components shall be included:		
OPTIO 2E. Install: Install: For the The foll 1. :	ONS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. e purpose of installing two-way radios into new county vehicles and equipment, llowing power and wiring components shall be included: #12 awg red wire connected to 12vdc battery source rated at 20 amps.		
OPTIO 2E. Install Install For the The fol 1. # 3. # These was the call	ONS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. e purpose of installing two-way radios into new county vehicles and equipment, llowing 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 be of the vehicle. The wiring harness shall be clearly labeled "two-way radio".	YES	
OPTIO 2E. Install Install For the foll 1. 2. # 3. # These with the call The 12 2F. Technic is to be in a class.	ONS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. purpose of installing two-way radios into new county vehicles and equipment, llowing 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	YES ician	
OPTIO 2E. Install Install For the The fol 1. # 3. # These v The cal The 12 2F. Technic Is to be In a cla Level a tonthese Adopted	DNS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. e purpose of installing two-way radios into new county vehicles and equipment, llowing 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 b of the vehicle. The wiring harness shall be clearly labeled "two-way radio". vdc sources shall be protected from making contact with grounded metal surfaces chnical Support call support is to be provided by factory authorized technical representatives and the original equipment manufacturer's industry standard technical presentation assroom setting. The support provided shall be at the journeyman/equipment technical should address limited theory, fault diagnosis and repair pertaining specifically requipment supplied under this specification.	YES ician	
OPTIO 2E. Install Install For the The fol 1. # 3. # These v The cal The 12 2F. Technic Is to be In a cla Level a tonthese Adopted	DNS (Cont'd) stallation of County Supplied Two Way Radio and Accessories is to include but not limited to antenna cable, mounts, speakers, brackets, etc. e purpose of installing two-way radios into new county vehicles and equipment, llowing 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 b of the vehicle. The wiring harness shall be clearly labeled "two-way radio". vdc sources shall be protected from making contact with grounded metal surfaces chaical Support cal support is to be provided by factory authorized technical representatives and the original equipment manufacturer's industry standard technical presentation assroom setting. The support provided shall be at the journeyman/equipment technical should address limited theory, fault diagnosis and repair pertaining specifically requipment supplied under this specification. November 17, 2021	YES ician y	NO

	6	l of 71
 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 	Res-Pg:k	c.6-76
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 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.		
ITEM #2 – MODEL YEAR 2023, OR NEWER, SPECIALIZED WESTERN STAR SPECIFIED, OR EQUAL (CONT'D)	49X TRACTO	
	YES	NO
OPTIONS (Cont'd) 2F. Technical Support (Cont'd) 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:		
2F. <u>Technical Support</u> (Cont'd) 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	YES	

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