



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

101 Hooper Avenue
Toms River, New Jersey
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Director John P. Kelly
Deputy Director Frank Sadeghi
Commissioner Robert S. Arace
Commissioner Jennifer Bacchione
Commissioner Virginia E. Haines

Board Meeting Agenda

Date: December 17, 2025 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II to Robert H. Hoover and Sons, Inc., the lowest qualified bidder. (B2025-194)

Official Resolution#	2025001790
Meeting Date	12/17/2025
Introduced Date	12/17/2025
Adopted Date	12/17/2025
Agenda Item	i-14
CAF #	
Purchase Req. #	B2025-194
Result	Adopted

COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Kelly	✓				✓		
Sadeghi	✓				✓		
Arace	✓		✓		✓		
Bacchione	✓			✓	✓		
Haines	✓				✓		

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

Michelle I. Gunther

Clerk Of The Board

RESOLUTION

December 17, 2025

WHEREAS, on November 25, 2025, pursuant to legal advertisements therefor, sealed bids were received for the MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II for the County of Ocean; and

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

<u>Name of Bidder</u>	<u>Address of Bidder</u>
Robert H. Hoover & 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, ROBERT H. HOOVER & SONS, INC., be accepted.

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

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract accepting the bid for the Motor Vehicle: Rolloff Truck With Crane No. II, for the County of Ocean; for the contract period of one (1) year from December 17, 2025 through December 16, 2026, 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. The County reserves the right to extend the contract for one (1) additional year by mutual agreement between the County and the Contractor with no increase in base price.

A. ROBERT H. HOOVER & SONS, INC for eleven (11) items, to wit:

ITEM NOS. 1, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I and 1J.

For a Total Lump Sum Award of Items 1-1J of \$6,721,135.00

This vendor has extended this contract to County Cooperative Contract System Participants, Identifier No. CK-02-OC.

2. Funds for the materials or services described herein shall be made available through operating and expense (O&E) accounts, trust accounts, grant accounts, or capital accounts maintained by, but not limited to, the following departments: Engineering, Roads, Solid Waste Management, Transportation Department and Vehicle Services.

3. Payments for the materials and services to be acquired by these contracts 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.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2025-194.

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

[ROBERT H HOOVER & SONS INC.] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
✓ 1	Current Model Year, or Newer, Western Star 49X SF Tri-Axle Roll-Off Truck, As Specified or Equal	10	EA	\$245,883.00	\$2,458,830.00		2027 Western Star 49X	365 Days	Per Specs	
OPTIONS										
✓ 1A	Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off Hoist Tilt frame -Outside Rail -75,000 lbs, As Specified or Equal	10	EA	\$74,874.00	\$748,740.00					
✓ 1B	Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist, As Specified or Equal	10	EA	\$70,971.00	\$709,710.00					
✓ 1C	Articulating Crane, As Specified or Equal	10	EA	\$131,630.00	\$1,316,300.00					
✓ 1D	Road Department Options, As Specified	10	EA	\$127,087.00	\$1,270,870.00					
✓ 1E	Auto-Tarper Specifications, As Specified	10	EA	\$13,721.00	\$137,210.00					

Introduced on: December 17, 2025

Adopted on: December 17, 2025
 Official Resolution#: 2025001790

[ROBERT H HOOVER & SONS INC.] RESPONSE DOCUMENT REPORT
 Bid - MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II

[ROBERT H HOOVER & SONS INC.] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
✓ 1F	Remove 20000 Lb. Watson/Chalin Pusher Lift Axle, Components and Controls, Lift Axle Tires and Wheels, As Specified	10	EA	-\$10,135.00	-\$101,350.00					
✓ 1G	Diagnostic Tools/ Test Equipment, As Specified	3	SET	\$22,775.00	\$68,325.00					
✓ 1H	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	10	EA	\$750.00	\$7,500.00					
✓ 1I	Installation of County Supplied Two Way Radio and Accessories, As Specified	10	EA	\$1,500.00	\$15,000.00					
✓ 1J	Technical Support, As Specified	180	HOURL	\$500.00	\$90,000.00					
TOTAL					\$6,721,135.00					

Introduced on: December 17, 2025

Adopted on: December 17, 2025

Official Resolution#: 2025001790

Bid - MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL

COMPLIANCE
YES NO

General

Set forward axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LH Primary Steering Location	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front axle 20,000 lbs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pusher axle 20,000 lbs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear axle 52,000 lbs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
80,000 LBS GVWR Registration	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Engine

Cummins x15 14.9L, 912 CID minimum 500 hp@ 1900RPM. Gov@2000 RPM, and 1850 lb.-ft. Torque@950RPM.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Must be in line 6 cylinder of wet sleeve design utilizing hardened Cylinder liners for durability, and electronics for simple service and Diagnosis when needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum displacement is to be 14.9 liters.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine must comply with latest federal mandate for diesel emissions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Engine Equipment

Engine must have latest clean idle diesel emission certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil check and fill: engine mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air intake: under hood with precleaner integrated into hood	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alternator: 200 amp. 28 SI with remote battery volt sense	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Batteries: Four (4) 12-volt 700RC maintenance-free 4000 CCA	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stack Battery box: frame-mounted left side aft of back of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Positive load disconnect control switch mounted outboard of driver seat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote jump start studs mounted on frame next to starter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Silicone heater/radiator/de-aeration/and vent hoses where possible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Compressor: Cummins 18.7 cfm with internal safety valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine protection: electronic engine-integral warning system with shut down function	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine brake: Cummins Intebrake compression brake with on off dash switch and low, med and high retardation switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exhaust: RH outboard under step aftertreatment system shall have dual exhaust	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dual 10'6" bright finish upper curved vertical stacks cab mounted LH & RH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exhaust shields: stainless steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fan drive: Electronically on/off type automatic control with dash switch and light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13 gallon diesel exhaust fluid tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Non-polished aluminum cover for DEF tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adopted on: December 17, 2025 Official use only # 2025001790	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL

**COMPLIANCE
YES NO**

Engine Equipment (Cont'd)

Fuel filter/water separator: Detroit engine mounted with water in fuel indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiator: 1400 sq. in. vocational aluminum with protection package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy-duty coolant: -34, oat, extended life and firewall mounted surge tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coolant hoses: silicone where possible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hose clamps: constant tension for coolant hoses and air intake system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine heater: Phillips 1500w/115v	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome heater receptacle: mounted under driver's door	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ductile iron engine crossmember	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Starter: Delco 12v 39 MT+ HD OCP	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Transmission & Equipment

Allison RDS 4700 automatic transmission with PTO provision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Programming for 70 MPH Maximum output speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
S 1 performance primary shift schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1800 RPM primary mode shift speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Disable neutral at stop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission prognostics-enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PTO mounting LH side of main transmission	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water to oil transmission cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Magnetic plugs, engine drain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission drain, axle(s) fill & drain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dash mounted push button electric shift control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Synthetic transmission fluid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission oil check and fill with electronic oil level check	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Front Axle & Suspension

Meritor 20,000 lb. front axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Meritor 16.5 x 6 q+ cast spider HD cam front brakes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brakes, double anchor, fabricated shoe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Non-asbestos front brake lining severe service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conmet cast iron front brake drums	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front brake dust shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front oil seals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vented front hub caps window and side plug – oil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Synthetic 75w-90 front axle lube	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Haldex automatic front slack adjusters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: December 17, 2025	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Revised on: December 17, 2025	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Official Resolution#: 2025001790	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Front Axle & Suspension Cont'd</u>		
Power steering pump	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 quart power steering reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20,000# flat leaf front suspension	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Threaded spring pins and bushings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front shock absorbers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 <u>Rear Axle & Suspension</u>		
Meritor RT-52-185 Tandem Rear	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Axle @ 52,000#	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Ratio 4.89	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Watson/Chalin SL-2065 TRU-TRACK 20,000 lb. Air Lift	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steerable pusher suspension with 16.5x6" brakes, dust shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Watson/Chalin 20000 lb. axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pusher axle controls in cab, up/down valve, gauge and air pressure regulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift in reverse	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air piping for liftable pusher axle controls mounted inside cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
52" pusher axle spacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Iron rear axle carrier housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPL250 HT XL Dana Spicer main driveline w/half round yokes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPL 70XL Dana Spicer interaxle driveline w/half round yokes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver control differential lockout rear/rear with indicator light for traction device Synthetic 75w-90w all axles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Meritor 16.5x7" P cam double anchor cast shoes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Non-asbestos rear brake lining	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Webb cast iron rear brake drums	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear brake dust shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Haldex automatic rear slack adjusters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear oil seals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bendix Eversure Longstroke 2-drive axle spring	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forward of axle mounted parking chambers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard spindle nuts for all axles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tuf-Trac 52,000# inverted 4 leaf rear suspension	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard 9.5" ride height	<input checked="" type="checkbox"/>	<input type="checkbox"/>
55" axle spacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fore/Aft and transverse control rods	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear shock absorbers - two axles	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: December 17, 2025
 Adopted on: December 17, 2025
 Official Resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Brake System Equipment (Cont'd)</u>		
Wabco ABS with traction control with ATC shut off switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reinforced nylon, fabric braid & wirebraid chassis air lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
52" axle spacing lift axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fore/Aft and transverse control rods	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear shock absorbers - two axles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wabco 6s/6m ABS with traction control and ATC shut off switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reinforced nylon, fabric braid & wirebraid chassis air lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brake System Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bendix brake valves where possible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relay valves with 5-8 psi crack pressure tandem and one 3-4.5 PSI for Pusher axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BW ad-9si brake line air dryer w/heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air dryer frame mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aluminum air brake reservoirs with no triple or torpedo tanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab blow out kit with air hose and nozzle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pull cables on all air reservoirs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Frame & Wheelbase</u>		
277" wheelbase with 186" C/T	<input checked="" type="checkbox"/>	<input type="checkbox"/>
.59 x 3.5 x 12.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
120K PSI 31.15 SM, 3,737,583 RBM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
58 in. Overhang	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Square end of frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HD steel C-Channel rear closing crossmember	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy duty construction back of transmission crossmember	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy duty steel construction midship # 1 crossmember	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard steel construction rear suspension forward crossmember	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard steel construction rear mounted suspension crossmember	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Chassis Equipment/ Trailer Connections</u>		
1/4" steel logger bumper with chip guard and centered front tow pin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fender mounted front mudflaps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Class 10.9 threaded metric chassis fasteners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air piping and electrical harness wrapped in abrasion tape clipped to frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Fuel Tanks & Equipment</u>		
Single 80 gallon aluminum minimum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LP fuel tank mounted forward	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Fuel Tanks & Equipment Cont'd</u>		
25" diameter fuel tank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard fuel tank bracket(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plain aluminum fuel tank with polished stainless bands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alliance fuel water separator with heated bowl	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equiflo inboard fuel system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
High temperature reinforced nylon fuel hose	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In tank fuel level sender	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Front & Pusher Tires, Hubs, & Wheels</u>		
Michelin XZY-3 425/65R22.5 20 ply	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conmet iron front hubs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accuride 29807 - 4.75 inset 5 hand HD 22.5 X 12 10 Hole hub pilot steel disc front	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wheels painted white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wheel check high visibility green loose wheel nut indicator on all wheels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Rear Drive Tires, Hubs, & Wheels</u>		
Michelin XDS2 11RX24.5 16 ply rear drive axle tires	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conmet iron rear hubs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accuride 28827 2 hand 24.5x8 .25 10-hub pilot steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steel disc rear wheels painted white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Michelin XZY-3 425/65r22.5 20 ply pusher tires (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accuride 29807 22.5 x 12.25" 4.75" inset 5 hand 10 hub pilot pusher wheels Painted white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nylon wheel guards front and rear all interfaces painted white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) spare wheels painted white and tires (1) front and (1) rear mounted on rims	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wheel check high visibility green loose wheel nut indicator on all wheels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Cab Exterior</u>		
121" BBC conventional severe service cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Non-removable bug screen mounted behind grille	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air cab mounts with check valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bolt on molded fender extensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LH/RH exterior grab handles non slip and RH & LH interior grab handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiator mounted grille	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stainless steel radiator shell/hood bezel with tilt hood handle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One piece fiberglass hood with hood opening assist and locking strut	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: December 17, 2025
 Adopted on: December 17, 2025
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MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Cab Exterior (Cont'd)</u>		
Two (2) Hadley SD-978 26" rect. air horns	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single electric horn	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Horn shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door locks and ignition keyed the same; must submit six (6) keys	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dual stage LED headlights with heated lens system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Visor mounted led marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individual led stop/tail/turn/backup lights mounted end of frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Headlights on with wipers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dual heated LH & RH remote C bar mirror system with integral heated convex, turn signal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
102" equipment width	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LH/RH heated black hood/fender mounted side view mirrors with bright finish mounting arm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stainless steel exterior sun visor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tinted rear window	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tinted door glass LH & RH tinted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electric door window regulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 gallon windshield washer reservoir with fluid level indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Cab Interior</u>		
Quarry Gray vinyl premium up level interior with teak accent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Black mats with added floor heat and noise insulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12 volt power supply in dash	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dash mounted ash tray & lighter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forward roof mounted console	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Map pockets, left and right doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coat hooks on back wall of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) 5 lb. Fire extinguisher mounted inboard of driver seat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Triangle kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DOT first aid kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heater, defroster and air conditioner; Main HV AC with temp control and cosmetic cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main fresh air inlet with fresh air filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard heater plumbing with ball shut off valves at supply lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valeo heavy duty air conditioner compressor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiator MTD AC condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Binary control, r-134a	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: December 17, 2025
 Accepted on: December 17, 2025
 Official Resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Cab Interior Cont'd</u>		
Premium Cab insulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Premium instrument cluster with 5 inch TFT color display	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Premium LED cab lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab door latches with electric door locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Triangular reflectors withoutflares	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Elite high back air suspension driver and passenger seats with two (2) chamber air lumbar support, integrated cushion extension, forward and rear cushion tilt, with heat and adjustable shock absorber inboard and outboard driver and passenger arm rests	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gray Mordura cloth driver and passenger seat covers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Black suspension cover for driver and passenger seats	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3-point driver & passenger seat belts w/seat belt retractor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjustable tilt and telescoping steering column	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4-spoke 450mm (18") black steering wheel with chrome switch bezels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver/passenger interior sun visors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Instrument Panels & Controls</u>		
Standard gauge package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bright gauge bezels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low air pressure light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Primary & secondary air pressure gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Intake mounted air restriction gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cruise control-electronic	<input type="checkbox"/>	<input type="checkbox"/>
Key operated ignition switch & integral start position, (4) position off/run/start	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warning light display mounted in instrument cluster	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy duty onboard diagnostic interface connector with dust cap located below dash	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electric fuel gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical engine coolant temp gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission oil temperature gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine and trip hour meters integral within driver display	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine oil pressure gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AM/FM WB world tuner radio with Bluetooth, iPod interface; USB and auxiliary inputs, J1939 (2) radio speakers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AM/FM antenna mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bendix side object detection system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PTO switch and 4 dash mounted AUX switches with indicator lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
On-board resolution#: 2025001790	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: December 17, 2025
Adopted on: December 17, 2025
On-board resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Instrument Panels & Controls</u>		
Single electric windshield wiper motor with delay	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One-valve parking brake system with warning indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Self-cancelling turn signal switch with integral head light dimmer, wash/wipe/intermittent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Paint</u>		
Paint shall be one solid color, White.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chassis frame rail black high solids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front wheel color: vendor powder Black wheels/rims	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear/pusher wheel color: powder Black wheels/rims	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Undercoating</u>		
Entire truck chassis, underside of cab and underside of added body (dump, utility, platform) to be coated with Tectyl 2423 haps free black Which is a low VOC, high solids, emulsion corrosion preventive coating.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Accessories</u>		
Five (5) gallons of recommended use hydraulic oil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Five (5) roll off cables and Five (5) spare tarps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) set of all filters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum 36" x 18" x 18" aluminum toolbox with diamond plate lid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Warranty</u>		
Western star severe service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basic vehicle - I year, 50,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery - I year, 50,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brightwork - 6 months, unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab corrosion/perforation - 5 years, unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab structure - 1 year, 100,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corrosion - 6 months, unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross members-3 years, 300,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Diesel Emission 2010 - 5 years, 100,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GHG 14/17 (medium duty to heavy duty trucks/tractors) 5 years, 100,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GHG 14/17 tire (file direct) - 2 years, 24,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame rails - 3 years, 300,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front/steer axle: Detroit - 1 year. Unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front/steer axle: Non-Detroit - 1 year, 100,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint, 1 year, 50,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint, chassis - 6 months, unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: December 17, 2025
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Official Resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

Warranty (Cont'd)

Rear axle: Detroit - 1 year, unlimited	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear axle: non-Detroit - 1 year, 100,000 miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Towing- 5 years, unlimited miles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cummins 5 years 200,000 miles engine and ATS warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 Cummins Protection Plan:		
• Internal components, major engine systems and major components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Registered parts and labor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Covers the following: 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, Lube pump assembly, camshaft and bushings; cam follower Assemblies, crank shaft assemblies, EGR cooler, valve and mixer; Fuel injectors (excluding after treatment injector), turbo, water pump, fuel pump, air compressor, select engine sensors and Flywheel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Allison 7 years/unlimited miles transmission warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>

OPTIONS

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off Hoist Tilt frame -Outside Rail -75,000 lbs.

The hoist shall be an outside rail unit with a 75,000 lb. rated capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside rail, 75,000-lb. Capacity, greater than 48-degree dump angle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8" x 4" x 3/8" frame profile the total 22 ft. length of the hoist.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8" x 5/8" side plate for additional strength.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed length shall be 289"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside rollers, material -C-1045, 4 1/2" O.D.; shall have a minimum of four (4) Basket Style per side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside roller pin-2 7/16" C-1045, pin must be removable, mounted inside of Roller Basket	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lock bolt-minimum 3/8" Grade 8 installed on outside of the tube frame to secure roller	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear roller 2 15/16" C-1045 shaft permanently mounted, with greaseable bushings (4" O.D.. x 1/2" wall) welded to frame rail	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear roller solid 6 5/8" diameter with S" diameter center offset design to avoid crushing cable when on the ground. Pipe not acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic front container locks w/chassis mounted spring to account for misaligned cans allow the container to be pulled through when the hoist is	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off Hoist

Reeving System-Twin Cylinder

4" x4" x 3/4" container alignment guides at hoist tail	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) sets of short container stops	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Containers shall be lifted onto the hoist using twin 7 3/4' reeve cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reeving cylinders two (2) 7" bore, 3/8" wall, 4" rod, 80-7/8" stroke chromed reeving cylinder rods	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1/2" cylinder rod covers-full length covers must not obstruct full view of container	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cylinder support brackets-3/8" thick, minimum of three (3) to support reeve cylinders and retain cable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Head sheave to be a maximum of 3" behind the cab. (13" when a tarp is specified)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1)12" head sheave with aluminum bronze bushing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four (4)10-1/4" reeving sheaves with aluminum bronze bushing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All sheave pins must be removable and shall NOT be welded in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C-1045 sheave pins, 2 15/16" diameter, greaseable, removable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7/8" 6 x 37-IWRC-EIPS domestic cable 1 1/4" hi alloy pear linked swaged on end of cable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cylinders operate independently with individual shoes	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Lift Cylinders

Lift cylinders are installed to accommodate a dual tire lift axle in the future. Installation of a dual tire lift axle w/4 tire (20" or 22") Allowable withoutmodification	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 1/2" bore with 6", 5" and 4" sleeves, 3-stage, D.A. lift cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All sleeves chrome plated, 110" lift cylinder stroke installed and inverted to allow for piping at bottom of frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift cylinder lower mount supports each side of the cylinder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Saddle- 3/8" plate formed in a box to provide dual support for saddle pin at base on each side of the cylinder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Saddle pin removable for service, secured by 3/8" bolt and 4- 2 1/2" X 1/2" collar; 4" in length	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basket - upper cylinder mount supports both sides of each cylinder.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basket pin, c-1045 2 3/16" diameter, secured by 1/2" bolt and 4- 1 1/4" wide lugs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basket pin shall be removable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Saddle clip: 4" x 4" angle by 10" long welded to inside of saddle to secure saddle to truck frame.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift cylinders can be removed without removing the oil tank and/or toolbox	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off

Hoist

Hydraulics

Hoist shall have adequate hydraulic capacity to simultaneously raise & lower the hoist and lift the container without a loss of power	☒	☐
2 bank valve-parker vg-20 with work port relief in the lift cylinder bank valve, internal relief set at 2,500 psi.	☒	☐
Valve installed on a separate bracket bolted to the chassis	☒	☐
Inside/outside controls connected by air joysticks	☒	☐
49 gallon stainless steel hydraulic oil tank on passenger side	☒	☐
2" tank/pump shutoff ball valve	☒	☐
2" suction line 1 1/4" return line-wire reinforced secured using t-bolt clamps	☒	☐
Hotshift PTO/pump to be direct mounted and supply 30 gpm at 1200 RPM	☒	☐
Rear pump bracket	☒	☐
Pump to accommodate auxiliary body	☒	☐
I 3/4" hose exceeds SAE 100R2-2 wire braid	☒	☐
PTO dash mounted indicator light	☒	☐
Piping shall be secured using removable clamps or u-bolts (piping must NOT be welded in place)	☒	☐
Hydraulic lines that cross the chassis shall be located above the drivetrain line and be pipe where possible	☒	☐
Re-buildable high pressure swivels shall be used at the hinge point of the hoist	☒	☐
Tank shall have sufficient capacity to operate-full push out container when the hoist is in the up position	☒	☐
Tank shall be supported from the top using 1/2" channel brackets	☒	☐
Tank shall be constructed of 3/16 plate at all bracket weld positions	☒	☐
Suction strainer-2" x 100 mesh replaceable, located in tank outlet with relief if plugged	☒	☐
Return filter internal to tank with replaceable cartridge	☒	☐
Filter shall be bolted onto a separate support bracket	☒	☐
An air selector valve, winter/summer mode to operate in either the roll-off or auxiliary mode	☒	☐

Hoist Mounting

The hoist shall be mounted on the chassis to insure performance to the rated capacity	☒	☐
hoist shall be proven production model available for 10 years	☒	☐
Hoist shall be manufactured in the United States	☒	☐
3/8" hoist mounting plates secured by 5/8" grade 8 bolts; minimum of four (4)	☒	☐
Cylinder saddle secured by 3/4" grade 8 mounting bolts	☒	☐

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off

Hoist

Hoist Mounting (Cont'd)

- Subframe 4" x 3" x 1/4" tube
- Subframe is mounted flush with the chassis to prevent cracking
- Rear hinge angle welded to chassis

Fenders & Lights

- DOT approved lighting, fenders and ICC bumper shall be part of the hoist
- Aluminum diamond plate fenders
- 1" lip on both inside and outside edge of all fenders for added support
- Fenders shock mounted on rubber to resist cracking
- Two (2) identical tandem fenders bolted to bracket
- Single fender aluminum over triaxle to allow clearance for short containers
- Center fender bracket minimum of 360 square inches bolted to bracket
- 1/4" channel front fender bracket, 1/4" L-shaped center brackets bolted to chassis
- 8" stainless steel channel bumper w/white vinyl antispray mudflaps
- Replaceable wire harness with plugs for all lights
- Three (3) individual stainless steel stop, turn & back-up lights per side
- LED lighting on the hoist portion of the unit
- Wire harness shall be factory fabricated, sealed and tested

Finishing

- The hoist shall be painted to match the chassis rails
- Manufacturer shall use one (1) coat of primer and two (2) coats of dupont centari paint to match chassis rails
- Paint process shall include the use of a hardener and a baked finish

Safety Items

- Container tie down system which shall secure any outside rail or inside rail container without modifications to or hold downs on the container
- Body up alarm with light
- Body props -one (1) per side
- Automatic folding ICC bumper with 4" x 3" x 3/16" tube
- Cable Hook: 1" high-tensile plate, inserted through hook plate, locked in and fully welded both sides
- Aluminum fender over lift axles

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist

Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist
Tilt frame -Outside Rail -75.000 lbs.

The hoist shall be an outside rail unit with a 75,000 lb. rated capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside rail, 75,000-lb. Capacity, greater than 51-degree dump angle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10" x 4" x 3/8" frame profile the total 22 ft. length of the hoist.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Full length wear strip 3 X 1/4 AR400	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed length shall be 287"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside rollers, material -C-1045, 4" O.D.; shall have a minimum of four (4) Basket Style per side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside roller pin-2" C-1045, pin must be removable, mounted inside of Roller Basket	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lock bolt-minimum 3/8" Grade 8 installed on outside of the tube frame to secure roller	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear roller 2 " C-1018 shaft permanently mounted, with greaseable bushings (4" O.D.. x 1/2" wall) welded to frame rail	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear roller solid 6 5/8" diameter with S" diameter center offset design to avoid crushing cable when on the ground. Pipe not acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic front container locks / hoist guides one per side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4" x4" x 3/4" container alignment guides at hoist tail	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) sets of short container stops	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Containers shall be lifted onto the hoist using single reeve cylinder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reeving cylinders two (2) 7.1" bore, .4" wall, 3.9" rod, 80.9" stroke chromed reeving cylinder rods	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1/2" cylinder rod covers-full length covers must not obstruct full view of container	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cylinder support brackets- 1/2" thick, to support reeve cylinders and retain cable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Head sheave to be a maximum of 3" behind the cab. (13" when a tarp is specified)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1)12" head sheave with aluminum bronze bushing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four (4)10-1/4" reeving sheaves with aluminum bronze bushing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front sheave pins must be removable and shall NOT be welded in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C-1045 sheave pins, 2 & 2 15/16" diameter, greaseable, removable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7/8" 6 x 37-IWRC-EIPS domestic cable with swivel hook	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off

Hoist

Lift Cylinders

Lift cylinders are to accommodate a dual tire lift axle in the future. Installation of a dual tire lift axle w/4 tire (20" or 22") Allowable without modification	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6" bore single stage lift cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All sleeves chrome plated, 70" lift cylinder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift cylinder lower mount supports each side of the cylinder and is part of the subframe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Saddle pin removable for service, secured by 1/2 " bolt and is greaseable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basket - upper cylinder mount supports both sides of each cylinder.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basket pin, c-1018 2" diameter, secured by 3/8" bolt	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basket pin shall be removable and greaseable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift cylinders can be removed without removing the oil tank and/or toolbox from the unit or raising the hoist	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoist shall have adequate hydraulic capacity to simultaneously raise & lower the hoist and lift the container without a loss of power	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 bank valve-parker vg-20 with work port relief in the lift cylinder bank valve, internal relief set at 4,500 psi.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valve installed on a bracket bolted to the subframe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inside/outside controls connected by air joysticks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
35 gallon stainless steel hydraulic oil tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2" tank/pump shutoff ball valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2" suction line 1 1/4" return line-wire reinforced secured using t-bolt clamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hotshift PTO/pump to be direct mounted and supply 30 gpm at 1200 RPM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump to accommodate auxiliary body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I 3/4" hose exceeds SAE 100R2-2 wire braid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PTO dash mounted indicator light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Piping shall be secured using removable clamps or u-bolts (piping must NOT be welded in place)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic lines that cross the chassis shall be located above the drivetrain line and be pipe where possible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Re-buildable high pressure swivels shall be used at the hinge point of the hoist	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tank shall have sufficient capacity to operate-full push out container when the hoist is in the up position	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tank shall be supported from the top using 3/8 " channel brackets	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tank shall be constructed of 3/16 plate at all bracket weld positions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Return filter internal to tank with replaceable cartridge	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist

Hoist Mounting

The hoist shall be mounted on the chassis to insure performance to the rated capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
hoist shall be proven production model available for 10 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoist shall be manufactured in the United States	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3/8" hoist mounting angles secured by 5/8" grade 8 bolts; minimum of four (4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Subframe 4" x 3" x 1/4" tube	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Subframe is mounted flush with the chassis to prevent cracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear hinge apron welded to chassis	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Fenders & Lights

DOT approved lighting, fenders and ICC bumper shall be part of the hoist	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aluminum diamond plate fenders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1" lip on both inside and outside edge of all fenders for added support	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fenders shock mounted on rubber to resist cracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) identical tandem fenders bolted to bracket	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single fender aluminum over triaxle to allow clearance for short containers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center fender bracket minimum of 360 square inches bolted to bracket	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1/4" channel front fender bracket, 1/4" L-shaped center brackets bolted to chassis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8" stainless steel channel bumper w/white vinyl antispray mudflaps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Replaceable wire harness with plugs for all lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) individual stainless steel stop, turn & back-up lights per side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED lighting on the hoist portion of the unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wire harness shall be factory fabricated, sealed and tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Finishing

The hoist shall be painted to match the chassis rails	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manufacturer shall use one (1) coat of primer and two (2) coats of dupont centari paint to match chassis rails	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint process shall include the use of a hardener and a baked finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Safety Items

Container tie down system which shall secure any outside rail or inside rail container without modifications to or hold downs on the container	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Body up alarm with light	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: December 17, 2025
 Adopted on: December 17, 2025
 Official Resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist

Safety Items

- | | | |
|---|-------------------------------------|--------------------------|
| Body props -one (1) per side | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Automatic folding ICC bumper with 4" x 3" x 3/16" tube | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Cable Hook: 1" high-tensile plate, inserted through hook plate, locked in and fully welded both sides | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Aluminum fender over lift axles with lift axle option if selected | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Warranty for a 22' Cable, Palfinger/American roll-off hoist

The bidder shall include a copy of the hoist manufacturer's standard warranty with the bid.

Minimum warranty shall include:

- | | | |
|---|-------------------------------------|--------------------------|
| • Cylinder workmanship warranty-2 years | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Over-all hoist warranty - 1 year | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Hoist frame warranty - 3 years | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

1C. Articulating Crane

It is the intent of these specifications to describe a Palfinger PK 14.501 SLD5 articulating hydraulic crane. The crane shall fold up behind cab and shall be completely stable with a 360 degree work area when outriggers are at full extension. If bidder is proposing any model other than Palfinger PK 14.501 SLD5 articulating hydraulic crane, bidder must list all exceptions. Bidder must supply printed product literature providing compliance with specifications. Bidder must indicate compliance with each line below. Failure to indicate "yes" or "no" for each line will be grounds for rejection of bid. All exceptions no matter how minor must be cited. Failure to list an exception shall justify rejection.

Capacity

Lifting moment of base crane model equal to or greater than 104,990 ft.lbs.

13,200lbs. Max.

6,400lbs. @ 13ft.

4,750lbs. @ 20ft,

3,450lbs. @ 27ft.

2,700lbs. @ 34ft.

Boom

Design and strength calculation to be in accordance with HC1 HD4/S2 EN12999

3 section hydraulic boom extension to 34ft.1in.

Each boom extension shall be one piece of high strength steel six sided with one

welded seam.

December 17, 2025
Adopted on: December 17, 2025
Official Resolution#: 202501190
One (1) individual cylinder for each section shall be provided.

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1C. Articulating Crane

Boom (Cont'd)

Extension cylinders shall be internally ported to supply oil to the next extension.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pipes shall connect one extension cylinder to the next.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Extension boom section shall be sequenced where required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Extension system shall utilize the return oil for increased boom extension speeds.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Extension system shall have self lubricating guide pads that do not require greasing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Extension cylinders shall be mounted at each end of cylinder barrel to minimize rod deflection.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Extension cylinder guides shall have self lubricating guide blocks that do not require greasing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outer boom shall be equipped with linkage system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outer boom shall articulate up an additional 15 degrees in relation to the main boom.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outer boom shall lock in transport position.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main boom shall set in boom rest in transport position.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All brackets shall be protected with a Chrome-VI free process.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crane shall have a 17,640 lbs. roller bearing load hook.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outer boom shall be equipped with a factory installed LED work lamp with a switch at the main control and on the remote control.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boom shall be equipped with a single hydraulic function to the tip for operation of a hydraulic attachment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Internal cylinder and cable at boom tip to have 36" of travel for Igloo Recycling Container operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Rotation

Crane column shall rotate 420 degrees with 11,870 ft. lbs. net rotation torque.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crane column shall be equipped with greaseable rotation bearings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rack and pinion rotation gears shall be machined steel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rack and pinion shall be equipped with remote mounted grease fitting for easy access.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Outriggers

Outriggers shall have hydraulic extension to a total spread of 21' 7".	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger beam system shall have adjustable side guides in the crane base.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.4" stabilizer plates shall remain fixed to leg for transport.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Leg cylinder hoses shall be routed internally for maximum protection.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger legs shall be equipped with pilot operated check valves.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger controls shall be located so that the outrigger being operated is in clear	<input checked="" type="checkbox"/>	<input type="checkbox"/>
introduced on: December 17, 2025		
Approved by the operator: December 17, 2025	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Official Resolution#: 2025001790		
A selector shall isolate crane and outrigger controls from simultaneous operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1C. Articulating Crane

Outriggers (Cont'd)

- A bubble level shall be installed at each outrigger control station.
- Outrigger legs shall have a wrap around L.E.D. warning light.

Hydraulics

- Crane shall operate at 5,200 psi. / 13.2 to 18.2 US gpm.
- The control valve shall be located at a ground control station on one side.
- Control station shall be illuminated by L.E.D lighting.
- Full capacity curve load chart shall be provided for specific boom version at control station.
- Steel lines shall be used where possible.
- All steel lines and fittings shall be protected with a Chrome-VI free process.
- All hoses on column shall be routed through a flexible covering.
- Load holding valves shall be incorporated into the rotation, main boom lift, outer boom lift, and extension boom systems.
- Crane shall utilize a side mounted 52 US gallon hydraulic oil tank.
- Crane shall be equipped with return and high pressure filters.
- Crane shall be equipped with an 8.5 kW oil cooler installed at the base.
- Crane shall operate via direct mount fixed displacement piston pump.
- Hot Shift PTO specific to specified truck transmission shall be provided.
- Manual Diverter valve to be installed for crane hoist operation.

Overload Protection System

- An electronic OPS shall disable all load moment increasing functions at the control valve when a overload condition is reached.
- The crane shall stop at the position at which the overload condition was encountered and only crane functions that would reduce the operating radius would be available until the overload condition is removed.
- RRC handset shall show progression of capacity.
- At 90 percent of capacity an audible intermittent alarm shall sound.
- When 100 percent of capacity is reached, an audible steady alarm shall sound and all load moment increasing movements shall be block.
- Display will advise the operator what condition is creating the overload condition. (main lift cylinder, rotation limit, etc.).
- HPLS system shall slow crane functions and increase capacity automatically.
- A diagnostics read-out shall be provided on the crane to show the operator and maintenance personnel information on the crane operation.
- System information shall be stored in a history for maintenance personnel.

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MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1C. Articulating Crane

Overload Protection System (Cont'd)

An override of the overload protection system shall be provided for false overload situations only, and will only be allowed for a maximum of 1.5 seconds operation to reduce pressure in main lift cylinder.

A 30 second delay between OPS override activation shall limit frequent re-use.

Remote control

Crane shall be equipped with a factory approved and installed Scanreco paddle type wireless fully proportional remote control with capacity alert meter.

Remote control shall have factory service and parts located in North America.

Remote control shall be equipped multiple settings for speed control.

Each direction of each function shall have adjustable full stroke control on all speed channels.

Remote shall have shall have a display showing the percentage of capacity.

Battery charger shall be mounted inside cab.

Two rechargeable batteries shall be provided.

Remote control

A backup connection wire shall be provided to supply transmitter with power and eliminate radio signal in the event of battery failure or radio interference.

An emergency stop button shall be provided on the radio remote handset to stop the flow of oil to the control sections of the valve.

A diagnostics read-out shall be provided on the crane to show the operator and maintenance personnel information on the remote control operation.

Remote control system information shall be stored in a history for maintenance personnel.

Mounting

Crane shall be attached to the chassis using 4 mounting points.

Crane base shall have a mounting balance to distribute force on both chassis frame rails.

Crane shall be mounted behind the cab on top of a riser frame.

The installed unit shall have spacers installed between the truck chassis flanges to avoid crushing or distorting the frame rails.

Means shall be provided to assure that the frame rail spacers do not fall out in case the mounting studs loosen up.

Crane Finish

Introduced on: December 17, 2025
Prior to painting, crane components shall be shot-blasted.

Adopted on: December 17, 2025
Official Resolution#: 2025001790
Crane components shall be prepared with an emersion process zinc phosphate.

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1C. Articulating Crane

Crane Finish (Cont'd)

Painted components shall be primed by a KTL dip process to insure complete rust protection inside and out.

Crane shall be finished by a baked finish with salt and ultraviolet protection to prevent fading in all weather conditions.

Paint color code shall be RAL3020 for the base, column, main boom, and outer boom.

Manuals and Literature

Printed product literature for the model bid.

Each unit shall include one manual that includes the following information:

Operation.

Maintenance & troubleshooting.

Operators manual shall be provided in paper and electronic format on computer CD.

Mandatory engineering drawings submitted with bid shall include:

Layout of truck, crane, and body.

Chassis weight distribution with max payload.

Stability analysis drawing of proposed vehicle with crane showing 360 degree percentage of capacity stability with outriggers at full extension.

Warranty

Crane shall have a one-year complete / three-year structural warranty.

Factory authorized crane service and warranty

location: 632 Cedar Swamp Rd.Jackson,N.J.

General

ADD Clear Frame CT 224"

Crane model bid PK14.501B

Crane manufacturer Palfinger

Crane installation location Tiffin,Ohio

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

Rear air locks for rolloff	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spreader	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Snow Plow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulics	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SPECIFICATIONS FOR A BUYERS 145-20 SERIES V-BOX SPREADER-304 STAINLESS STEEL CONSTRUCTION

General

This Specification Shall Describe A Buyers 145 Series V-Box Material Spreader Or Approved Equal, Capable Of Hauling And Spreading Free Flowing Granular Materials. This Unit Shall Consist Of A 304 Stainless Steel Body, Rear Discharge Conveyor, Spinner Disc, 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. Bidders Must Submit With Their Proposal Complete Specifications On The Unit They Propose To Furnish.

Minimum Body Requirements

Capacity To Be (19) Yds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inside Length To Be (20) Feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inside Height To Be (69) Inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inside Top Width To Be 82"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Side Slope To Be 45° Minimum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper Seems To Be Continuous Welded On Inside	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sides, Ends, & Side Supports To Be 10 Gauge 304 Stainless Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Top Edge Of Hopper Is Formed "J" Channel 1 3/4" X 1 1/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Body Floor Is 7 Gauge 304 Stainless Steel Bolt-In Replaceable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Long Sills To Be 7 Gauge 304ss	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain Shields Are 10 Gauge 304 Ss	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross Sills To Be 3 1/4" X 1 1/2" Formed 7 Gauge 304ss; Welded To Side Supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

SPECIFICATIONS FOR A BUYERS 145-20 SERIES V-BOX SPREADER-304 STAINLESS STEEL CONSTRUCTION CONT'D

Minimum Body Requirements (Cont'd)

Feedgate Is 10 Gauge 304ss 12" X 18 5/8"; Screw-Jack Adjustable From Driver Side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Hooks On Each Corner Are 5/8" 304ss Round Bar	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Hardware Is Stainless Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Welds Go Through Passivation Process To Ensure Reformation Of Chrome Oxide Layer Of Stainless Steel For Optimum Corrosion Protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Minimum Top Screen Requirements

10-Section Hinged Top Grate Screens	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3/8" Diameter Bar On 3" Centers Framed With 1/4" X 2" X 2" Structural Angle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinged On A 6" Horizontal Crossbeam Side To Side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Powdercoated Black	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Minimum Conveyor Requirements

Rear Discharge Pintle Chain Conveyor To Be 24" Wide Overall	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heat Treated Alloy Steel Chain; 21,000 Lbs./Strand	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain Pins To Be 7/16" Diameter With 2-1/4" Pitch (667x)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross Bars To Be 3/8" X 1-1/2" On 4-1/2" Centers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross Bars Must Lay Flat On Conveyor Floor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4" Screw Idler Adjustment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain Tension Adjusting Screw To Be 5/8" Diameter Stainless Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drive Shaft To Be 2" Diameter Zinc Plated Alloy Steel Mounted In Sealed Ball Bearings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Idler Shaft To Be 1 1/2" Diameter Zinc Plated Alloy Steel Mounted In Sealed Ball Bearings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conveyor Sprockets To Be Self-Cleaning 8 Tooth Steel, Keyed To Drive And Idler Shafts	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

Conveyor Gearcase

Corrosion Resistant Cast Aluminum Alloy Housing; Oil Tight With Breather And Oil Level Plug

50:1 Reduction: Steel Worm Gear To Be Hardened And Ground:
Aluminum Bronze Output Shaft: 90,000 Lbs. Tensile Strength

Output Bearings To Be Tapered Roller Type

Extended Input Shaft To Accept Optional Application Rate Sensor

Hydraulic Motor To Mount Directly To Gearbox Eliminating Torque Arms, Sprockets, Chains, And Couplers

Hydraulic Motor Shall Be 5.9 Ci Displacement With A Maximum Continuous Flow Rate Of 15 Gpm

10 Gauge 304 Stainless Steel Bolt in Inverted "V"

Platform for V-Box Spreader

24 foot roll off Flatdeck

3" x 4.1# Channel Crossmember on 16" Centers

3/16" Smooth Steel Floor

96" Wide / 72" @ Center Portion

48" Bulkhead

1" Hook and Hookplate

4" Solid Steel Nose Roller

8"x10" HD Ground Rollers on Rear

8"x10" HD Ground Rollers on Front

Cut Out for Spinners

Painted Black

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY

10 Gauge 304 Stainless Steel Enclosed Design. All Mounting And Adjustment Hardware (Pins, Rods, Bolts, Nuts) Shall Be 304 Stainless Steel

(4) Position Telescopic Adjustment; 25. 7"-38.5" Below Mounting Surface

Two (2) 304 Ss Baffles Shall Be Positioned At The Bottom Of The Spinner Chute To Direct Flow Of Materials Onto Spinner Disc For Directional Spread Pattern Adjustment

The Two (2) 304 Ss Spread Pattern Adjustment Baffles Shall Each Have 4 (Four) Positions Of Adjustment Withoutthe Use Of Tools. The Baffle(S) Shall Utilize A 304 S Notched Bar That Pins Into Position For Positive Lock Four

(4) 304 Ss Bottom Spinner Deflectors Shall Be Over-Lapping To Prevent Loss Of Granular Material When The Deflectors Are Raised Front Deflector Is Fixed.

The 304 Ss Bottom Over-Lapping Spinner Deflectors Shall Have Five (5) Positions Of 304 Ss Rod And Pin Adjustment Without Tools. Chain Adjustable Deflectors Are Not Acceptable

The Bottom Over-Lapping Spinner Deflectors Shall Have The Capability To Be Easily Removed And/Or Replaced Without tools

5/8" Thick Urethane 20" Diameter Spinner Disc With 6 (Six) Molded CCW Spinner Vanes To Have Replaceable Machined Hub

The Spinner Hub Is To Be Machined 4 (Four) Bolt Pattern With A 1" Bore And A 1/4" Keyway

Spinner Hydraulic Motor Shall Mount Below The Spinner Assembly. Top Mount Motor Or Drive Shaft With Bearings Not Acceptable

Spinner Hydraulic Motor To Be 2.8 Ci Displacement With A Maximum Continuous Flow Rate Of 12 Gpm

The Spinner Assembly Will Fold Up 180 Degrees With The Use Of A Winch And Cable

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY CONT'D

Paint

All 304 Stainless Steel Components To Be Left In Natural Finish

Non-Stainless Steel Parts To Be Painted Black

VBox Mounting

VBox to be mounted on 3" channel for cleaning purposes

304 Stainless Steel Rear Ladder

Passenger Side Mount Ladder Shall Be 2 Piece And Fold Into Itself

Overall Height Shall Be 76" And Width Shall Be 16"

Steps Shall Be Made Of 1 1/2" SST Gripstrut

Light Box Assembly

Light Box To Be Constructed Of 304 Stainless Steel Measuring 66" Long X 4" Wide X 3" Deep

Light Box To Consist Of Four (4), 6" Holes Two On Each Side And Three (3) 3/4" Holes In The Center

The Back Panel Of The Box (66" X 4") To Be Installed With 2 Sided Tape For Easier Installation Of Wiring Harness

Four (4) 6" Oval Led Strobes

Three (3) 3/4" Led Marker Lights

A Sealed Coiled Wiring Harness With A 12' Lead Will Be Provided With The Light Bar

Light bar to be permanently mounted, trailer plug socket to be mounted in platform Bulkhead

Power supply plug to be mounted to back of cab. Plug shall have trailer plug storage socket for when not in use.

Pin diagram to be supplied by County representative to builder when being build for compatibility with existing equipment.

Introduced on: December 17, 2025

Adopted on: December 17, 2025

Official Resolution#: 202501790

LED Spreader Light Mounted To Spreader With Separate Dash Mounted Switch

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

Eight (8) Strobes

Four (4) on front of vehicle

Two (2) on rear truck bumper

One (1) on right side

One (1) on left side

Central Hydraulic Manual System

Chelsea PTO Shall Be Of A Hot Shift Design Driven Off Of The Allison Automatic Transmission. The PTO Shall Have A Direct Mount Rotatable Pump Flange. There Shall Be A Console Mounted Rocker Switch To Engage And Disengage The PTO.

304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY CONT'D

Parker P20A346JEAL 17-25

The Pump Shall Be A Cast Iron, Positive Displacement, Gear Type Pump. The Pump Shall Feature Pressure Balanced, Bronze Wear Plates And Teflon Bushings. Pump Shaft Shall Be A 7/8" 13 Spline Shaft To Couple With PTO. Pump Size Shall Be 3.44 Cubic Inches Of Displacement

SPECIFICATIONS FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALVE GROUP FOR PLOW, AUGER AND SPINNER

The Plow Sections Shall Be A Mobile Design To Withstand Exposure To De-Icing Chemicals And Severe Weather Conditions Without the Use Of A Watertight Enclosure

The Valve Sections Shall Be Of Cast Iron Construction, Horizontally Stackable And Serviceable Without disassembly

The Directional Control Valves Shall Be Pre-Compensated, Proportional Manually Controlled With Stainless Steel Nylon Covered Push Pull Cables And Levers

Each Valve Must Be Of Laminar Flow Design For Minimal Pressure Drop

The Valve Shall Have One Load Independent Proportional Valve
Adopted on: December 17, 2025
Official Resolution 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

SPECIFICATIONS FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALVE GROUP FOR PLOW, AUGER AND SPINNER CONT'D

Where Required Each Section Must Be Able To Limit The Operating Pressure To Both "A" And "B" Ports Individually	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each Directional Valve Section Must Have A Built-In Check Valve Prevents The Oil From Flowing Via The Pressure Adjustment Spool To Tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valve Must Have A Filter Cage On Each Electrical Operator To Prevent Spool Sticking Due To Contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valve Must Be Field Convertible; Must Be Able To Convert From An Open Center Circuit Design To A Closed Center Design Without disassembling The Valve Bank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valve Must Be Available In Either Open Or Closed Center Configurations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valves Must Mount With All The Work Ports Facing Down	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valve Inlet Shall Have An Adjustable Relief To Protect Against System Over-Pressurization	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plow Lift And Angle Are 4 Way For Double Acting Cylinders With Load Sense Relief And Flow Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two Knob Granular Controller Shall Be Activated By A Da Sectional Valve With Cable And De-Tented Lever For Drag Chain Reverse	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auger And Spinner Shall Be Controlled By A Two-Knob Manual Valve With Adjustable Relief And Flow Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Installing Dealer Must Be Authorized To Preform Warranty Repairs And Periodic Maintenance On Hydraulic Valve Section	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auger and spinner circuits on platform are to have individual pressure and return introduced on: December 17, 2025 (Adopted by common council on December 17, 2025 Official Resolution#: 2025001790)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

SPECIFICATIONS FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALVE GROUP FOR PLOW, AUGER AND SPINNER CONT'D

Auger and spinner lines on platform to terminate on platform bulhead

All quick connect fittings to be AG Standard or compatible

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS

Moldboard Specifications

52" H X 11' L

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 Angle.

Top Of Moldboard Shall Be Reinforced By 2 ½" X 2 ½" X 3/8" Angle Iron. Bottom Of Moldboard Is Reinforced By 4 X 4 X 3/4" Angle Iron And Is Drilled To Accommodate Mshto Standards.

Ribs Are Reinforced With 2 X 2 X 3/8 Angle As Well As The Upper And Lower Reinforcement Angles.

Ribs Are 5" At The Trip Edge And 3" Tall At The Top Edge By 1/2" Wide
Ribs Are Spaced To Match Support Arm Locations As Well As Provide Adequate Support Of The Moldboard

A Total Of 12 Ribs Are Used Per Moldboard Assembly

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 Reinforcement Angles. This Will Allow Water To Drain Off The Back Of The Moldboard During Storage

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

Adopted on: December 17, 2025
Adopted on: December 17, 2025
Official Resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Moldboard Specifications (Cont'd)

Two (2) Sets Of Double Ribs Shall Have Three (3) 1 5/16" Holes Spaced At 2 1/4" Center To Center To Allow For Attack Angle Adjustment

Weldments On The Moldboard Shall Be Continuous

Outer Ribs Of Moldboard Will Be Drilled For Marker Installation

Trip Mechanism Construction

Plow Shall Be Full Trip Design Consisting Of Two (2) Coil Springs

Springs Are 3/4" Wire With A Coil Od Of 5 9/16" Consisting Of 16 Full Coils

Bottom Angle Is Reinforced By Eleven (11) 1/2" Thick Gussets Spaced Evenly To Avoid Interference With Cutting Edge Attachment Hardware

Cutting Edge Shall Be 6" X 5/8" X 11' Long And Shall Be Drilled To Aashto Standards

Cutting Edge Shall Be Secured Using 5/8" Grade 8 Carriage Bolts

Push Frame

Designed To Hydraulically Reverse The Moldboard In An Arc At Any Angle From 35° Left To 35° Right From A Centered Position

Shall Be Constructed From 1/2" Plate Supported Above And Below The Semi-Circle With 2 X 4 X 3/16" Tubing

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Push Frame Cont'd

Shall Be Drilled To Accept 1 1/2" 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 Semi-Circle And Moldboard Relieving Stress On The Bolted Connection. The Female Socket Connection Is Made From 1" Plate Steel And Is Contoured To Match The Male Portion On The Semi-Circle

Rear Of Push Frame Shall Be Drilled To Accept A Removable Qcp

Adapter. Three (3) Sets Of 1 3/16" Holes Are Drilled On 2" Centers To Allow For Installation On A Variety Of Trucks And Hitches

Two Holes Are Located At The Top And Bottom Push Frame Plates Drilled To Accept 1 1/2" Bolts For Hydraulic Cylinder Attachment

All Welds Are To Be Continuously Welded. **No Exceptions**

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" Is 120 Inches Long Spanning The Entire Width Of The Moldboard. This Tube Is Constructed From One Continuous Piece

There Are Two Stops Placed Appropriately To Prevent The Plow From Turning Past 35° Left Or Right

Hydraulic Cylinder Mounting Points Are 1/2" Plates Welded To The Top And Bottom Of The Semi-Circle. Plates Shall Be Drilled To Accept 1 1/2" 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

Introduced on: December 17, 2025
Adopted on: December 17, 2025
Official Resolution#: 2025001790

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

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 On The Push Frame

Tabs Shall Be Welded On The Push Frame To Accept ½" Screw Type Chain Shackles.

The Tabs Shall Be Made From ½" Plate Steel 5 ¼" Long And 2 ½" Wide. They Are Welded To The Back Side 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 Angle Going To The Lift Arm On The Hitch

There Are Seven Sets 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.

Four (4) Sets Of The Moldboard Mounting Ears (Two Outer On Either Side Of The Push Beam) Shall Have An Inside Spacing Of ¾" To Accept A Single ½" Moldboard Rib. Three (3) Sets Of The Moldboard Mounting Ears (The Center Sets) Shall Have An Outside Spacing Of 2 ¾" To Fit Inside Double Moldboard Ribs.

Moldboard Attachment Ears To Be Gusseted With 4" Triangular Steel Gussets

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

ID. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Semi-Circle Construction Cont'd

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 1/4" 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. The Actual Connection Point Is A 7/8" Bolt.

Two (2) Mushroom Shoes

Two (2) Curb Shoes, One On Each Side

Hydraulics

Plow Angle Shall Be Controlled By Two Double Acting Hydraulics Cylinders

Each Cylinder Will Have A 4" Bore With An 8" Rod Diameter With A Maximum Operating Pressure Of 3,000 Psi.

Retracted Cylinder Length Is 21" With Both The Rod And Cylinder Ends Accepting 1 1/2" Bolts/Pins For Connecting To The Semi-Circle And Push Frame

QCP

Push Frame Is Equipped With A Removable Qcp Adapter For Quick Hitch Applications

The Side Of The Removable Qcp Shall Be Drilled To Allow For Three Different Mounting Heights

Base Of The Qcp Shall Be Made From Mc4 X 13.8lb Channel

QCP Side Plates Shall Be 1/2" Formed Plate

QCP Loop Diameter Shall Be 2"

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Accessories

One (1) Set Of Meyer Saber Plow Led Lights Mounted On Hood Of Chassis With Stainless Steel Mounts. Location To Be Determined By County At Time Of Build.

Paint

Paint Shall Be Of High Quality, Free Of Runs, Overspray And Defects Standard Paint Type Will Be Epoxy

Standard Paint Color Shall Be Safety Orange For The Moldboard And Black For The Frame

Hitch Frame

Frame Shall Be Heavy Duty, Low Profile, And Front Frame Mounted Style. Shall Be Designed For Use With Trucks Equipped With A Tilt Hood And Stationary Grill

Snow Plow Hitch Must Clear Hood When Open

Frame Shall Be Capable Of Self-Storing The Hydraulic Cylinder When Not In Operation Thus Allowing The Lift Arm To Fold Down Parallel To The Rest Of The Frame

Vertical Supports Of The Hitch Are Constructed From 4 X 4 X 3/8" Square Tubing Cylinder Support Bracket On The Hitch Shall Be Constructed From 3 1/2" X 3 1/2" X 1/2" Angle Fully Welded To Both Vertical Supports. The Two Cylinder Mounting Tabs Are 1/2" Steel Placed In The Center Of Support Bracket And Spaced 2 1/8" Apart. Each Tab Shall Be Drilled To Accept A 1" Pin.

The Upper Horizontal Support Of The Hitch Shall Be Constructed Of Two Pieces. The First Piece Shall Be 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 Stored As Well As One Of Two Points The Lift Arms Connection Tabs Are Welded.

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MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL

PLOW (SPX-0000050) SPECIFICATIONS CONT'D Bumper-To Frame Plow Hitch (SPH-A0000152) s Hitch Frame (Cont'd)

The Second Horizontal Support Is A 1/2" Contoured Plate That Allows The Lift Cylinder To Be Stored And Provides A Second Mounted Point For The Lift Arm Connection Tabs.

Here Are Two (2) Pairs Of Lift Arm Support Shackles. Each Pair Is Made From 1/2" X 9 3/4" Plate And Are Drilled To Accept 1 1/4" Pins.

Bumper-To Frame Plow Hitch (SPH-A0000152) Specifications

Fully Welded To The Vertical Supports Are Two (2) C 8 X 18. 75 Channels With 1/2" Thick End Plates. The End Plates Shall Be Drilled To Accept Six (6) 5/8 Grade 8 Bolts For Attaching The Hitch Between The Frame Rails.

Support Of The Lower Portion Of The Hitch Shall Be Provided By Left And Right Hitch Side Plates Constructed Of 5/8 Plate And Securely Bolted To The Truck Frame Where Appropriate.

Hitch Plates Fully Welded

Pin Lock QCP

Plow Attachment Shall Be Made By A Pin Lock Qcp Assembly.

Top And Bottom Of The Assembly Shall Be Made From 1/2" Contoured Plate Both Plates Are Drilled To Accept The 2" Lock Pin.

Welded To The Bottom Plate Shall Be A 5/8" Chamfered Plate That Both Provides Support To The Lock Pin And Helps To Guide The Qcp Loop Into The Hitch.

Welded To The Top Of The Top Plate Shall Be 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 To High While Hitching.

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

BUMPER-TO FRAM PLOW HITCH (SPH-A0000152) SPECIFICATIONS

HITCH FRAME CONT'D

Pin Lock QCP

In The Front Of The Qcp Assembly Shall Be 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 End For The Lift Bar Attachment.

Bumper-To Fram Plow Hitch (Sph-A0000152) Specifications

Heavy Duty Lift Arm Assembly

Extendable Style With Seven (7) Different Extended Positions Frame Of The Lift Arm Shall Be Constructed From ½" X 4" Steel Plate That Is Formed To Contour The Outer Tube Of The Extendable Arm. This Frame Shall Also Be The Connection Point To The Hitch And The Hydraulic Cylinder.

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 Ensures A Tight Long Lasting Fit.

Top Plate On The Lift Arm Shall Be 3/16" And Is Used To Prevent "Racking" Of The Frame.

Inner Tube Is Constructed Of 3" Heavy Wall Square Tubing. Tubing Shall Be Drilled To Allow For The Seven (7) Different Extended Positions.

Welded To The Front Of The Inner Tube Is A Formed ½" Plate With Notches To Accept Standard ½" Link Chain. This Plate Shall Have The Ability To Be Changed To Match Different Level Lift Systems.

Hydraulic Lift Cylinder

Hitch Provided With Double Acting 4" X 10" Hydraulic Cylinder

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MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1E. Auto-Tarper Specifications

An automatic tarping system compatible with the agency's containers must be supplied.

The unit must be capable of covering containers up twenty-five (25) feet in length.

Hydraulically operated off roll-off hoist hydraulic system main control valve

Controlled from driver's side

Mast-Adjustable for Various Height Containers

Upright tube 4" x 4"

Inner tube 3 1/2" x 3 1/2" height adjustment 48"

1 1/2" bore, 48" stroke -single cylinder

Arms and Bow for Covering Container

Tubing -aluminum

36" adjustable cross over bar

Arms moved by torsion springs, unit is adjustable

Tarp Roller and Wind-Screen

Rolled and unrolled by hydraulic motor

Tension held at all times by arm torsion springs

1/4"windscreen to protect tarp motor shall be direct mounted (chain drive not acceptable)

Mounting

Front mast welded to 4" x 6" x 1/2" angle and bolted to frame

Mast and 10 X 10" gusset welded to angle

Rear spring shall mount to truck fenders

Cab guard built on tarper gantry

Two (2) led spot lights on tarper gantry; Switch mounted in cab

Accessories

Five (5) spare tarps for auto tarping system

1F. Remove 20000 Lb. Watson/Chalin Pusher Lift Axle, Components and Controls, Lift Axle Tires and Wheels

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1G. Diagnostic Tools/ Test Equipment

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

- 1. Successful bidder may be required to supply between one (1) to three (3) complete sets of OEM test/diagnostic/ programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable).
- 2. All laptop computers will be of the newest available technology and have Sufficient storage and memory to operate all required software.
- 3. Provide a list of all test/diagnostic/programming equipment and special tools Being supplied at the time of bid.
- 4. All software installations and activations will be completed by the successful bidder at no cost to the County.
- 5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment.
- 6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment.
- 7. Training shall be provided on all items in this section at a County location.

1H. 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:

- 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 and secured in the vicinity of the operator. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The wires shall be unterminated. The 12VDC sources shall be protected from making contact with grounded metal surfaces.

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MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

II. 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.

1J. Technical Support

Technical Support is to be provided by factory authorized technical representatives and is to be the original equipment Manufacturer's industry standard technical presentation in a classroom setting.

The support provided shall be at the journeyman/equipment technician level and should address limited theory, fault diagnosis and repair pertaining specifically to the equipment supplied under this specification.

Technical support may be requested in the following areas:

1. Engine (cooling, fuel, ignition, lubrication systems)- 1 day at each location.
2. Transmission - 1 day at each location
3. Electrical - 1 day at each location
4. Brakes- I day at each location
5. Hydraulic system (dump body, spreader, snow plow)- 1 day at each location
6. 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.

Introduced on: December 17, 2025

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Before the training is scheduled, Vehicle Services and the contractor will agree on the

MOTOR VEHICLE: TRI-AXLE ROLLOFF TRUCK WITH CRANE NO. II

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1J. Technical Support (Cont'd)

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:

a. 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)

b. Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050

Technical Support for other Departments will be held at a location within Ocean County. The requesting Department will notify the successful bidder of the location.

Training at the successful bidder's site, rather than the designated locations, will be by mutual consent only.

Technical support will be requested and scheduled on an as needed basis up to but not exceeding the 180 hours total during a period not to exceed twelve (12) months from the date of placing the last unit in service.