

Ocean County Board of Commissioners

OFFICE OF THE OCEAN COUNTY COMMISSIONERS

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

101 Hooper Avenue Toms River, New Jersey 08754-2191 Tel: (732)929-2005 Fax: (732)505-1918

Board Meeting Agenda

Date: September 21, 2022 - 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: TANDEM TRUCK to Robert H. Hoover & Sons, Inc., the sole qualified bidder. (B2022-125)

Official Resolution#		2	202	200	130)4		
Meeting Date			C	9/2	21/2	022	2	
Introduced Date			C	9/2	21/2	022	2	
Adopted Date			C	9/2	21/2	022	2	
Agenda Item			ŀ	-2				
CAF#			Г					
Purchase Req. #			E	320	22-	125	5	
Result			A	∖do	pte	d		
COUNTY COMMISSIONER	PRES.	ABS.		MOVE	SEC	AYE	NAY	ABST.
Kelly	~					~		
Haines	~			~		~		
Crea	~					~		
Quinn		~						
Vicari	~				~	~		

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

Clerk Of The Board



RESOLUTION

September 21, 2022

WHEREAS, on August 30, 2022, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLE: TANDEM TRUCK for the County of Ocean; and

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

Name of Bidder

Robert H. Hoover & Sons, Inc.

Address of Bidder

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

; and

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

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

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract accepting the bid for the furnishing and delivery of Motor Vehicle: Tandem Truck for the County of Ocean, for the contract period from date of award through September 20, 2023, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows:

Introduced on:

September 21, 2022 Adopted on: September 21, 2022 Official Resolution#: 2022001304

ROBERT H. HOOVER & SONS, INC. for twelve (12) items, to wit: ITEM NOS. 1, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J and 1K.

For a Total Lump Sum Award (Item #'s 1 - 1K) of \$1,030,770.00. This vendor has extended this contract to County Cooperative Contract System Participants.

- 2. Payments for the equipment to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.
- 3. Funds for equipment shall be available within the following funding Sources: Parks Department, Vehicle Services Department O.E.
- 4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2022-125.
- 5. Be it further resolved that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Parks Department, Vehicle Services and Robert H. Hoover & Sons, Inc., the successful bidder.

Adopted on:

PROPOSAL DOCUMENT REPORT BID NO. TBD MOTOR VEHICLE: TANDEM TRUCK

COI_-_W19626_-_COUNTY_OF_OCEAN_-_2021_-_10-6-2021_-_420159497.pdfCOI_to_County_of_Ocean.pdf

11. Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Confirmed

12. Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Confirmed

PRICE TABLES ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL

	Line Item	Description	Qty.	Unit of Meas.	Unit Cost	Total Cost	Comments
\	1	Model Year 2023 or Newer, Freightliner 114SD Chassis Tandem Truck, as Specified or Equal	3	EA	\$250,654.00	\$751,962.00	
,	OPTIONS:	·					
√	1A	V-Box Spreader, As Specified	3	EA	\$33,461.00	\$100,383.00	

PROPOSAL DOCUMENT REPORT Bid - MOTOR VEHICLE: TANDEM TRUCK

Page 6

PROPOSAL DOCUMENT REPORT Bid No. TBD

MOTOR VEHICLE: TANDEM TRUCK

Line Item	Description	Qty.	Unit of Meas.	Unit Cost	Total Cost	Comments
1 B	8' Under Tailgate Spreader, As Specified	3	EA	\$4,766.00	\$14,298.00	
1C	Heated Body, As Specified	3	EA	\$2,750.00	\$8,250.00	
1D	Chassis Upgrade to 74,000 GVWR, As Specified	3	EA	\$7,651.00	\$22,953.00	
1E	Paint for Dump Body, As Specified	3	EA	\$3,300.00	\$9,900.00	
1F	Paint Colors Not on Standard Color Chart	3	EA	\$1,000.00	\$3,000.00	."
1G	Road Department Color Scheme, As Specified	3	EA	\$1,426.00	\$4,278.00	
1H	Diagnostic Tools / Test Equipment, As Specified	3	SET	\$17,922.00	\$53,766.00	
11	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	3	EA	\$385.00	\$1,155.00	
· 1J	Installation of County Supplied Two-Way Radio and Accessories, As Specified	3	EA	\$775.00	\$2,325.00	
1K	Technical Support, As Specified	180	HR	\$325.00	\$58,500.00	
TOTAL				L	\$1,030,770.00	

COMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 1 of 31

<u>ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,</u> AS SPECIFIED OR EQUAL

Please enter the below information about the model of vehicle your company will be providing

Manufacturer: Freightliner 114 SD

Warranty: Base and Extended Per Specs

Delivery, A.R.O.: 300 Days ARO

Remarks:

Click or tap here to enter text. Click or tap here to enter text.

Page 2 of 31

/<u>ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL</u>

	COMPL	LANCE
	YES	<u>NO</u>
GENERAL	t	
66,000 GVWR	\boxtimes	
114SD conventional chassis; setback axle truck	\boxtimes	
Trailer towing provision at end of frame for truck	\boxtimes	
LH primary steering location	\boxtimes	
Truck/trailer configuration		
Expected front axle(s) load: 20,000 lbs	\boxtimes	. 🗆
Expected gross vehicle weight capacity: 66,000 lbs	\boxtimes	
Expected gross combination weight: 66,000 lbs		
Adjustable tilt and telescoping steering column 4-spoke 18 inch (450 mm) steering wheel		
ENGINE Cummins X12 455V HP @ 1900 rpm, 1550 lb-ft@ 1000 rpm, 2000 Gov rpm, VOE, or equal	⊠	
75 mph road speed limit with cruise control	\boxtimes	
Regeneration inhibit speed threshold - 5 mph		
ENGINE EQUIPMENT		
2010 EPA/Carb/GHG21 configuration		. 🗆
Clean idle certified (includes 6x4 inch label on lower forward corner of driver door)	\boxtimes	
Standard oil pan with engine mounted oil check and fill	\boxtimes	
Side of hood air intake with Donaldson, or equal, high capacity air cleaner with safety element, firewall mounted	\boxtimes	
Delco Remy 12V 160 amp 36-SI brush-less quadramount pad alternator with remote battery volt sense		
(3) dtna genuine, flooded starting, min 3000CCA, threaded stud batteries	\boxtimes	
Battery box frame mounted standard battery jumpers		
Single battery box frame mounted lh side back of cab	\boxtimes	
Wire ground return for battery cables with additional frame ground return		
Non-polished battery box cover		
Cab auxiliary power cable	\boxtimes	

Page 3 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	COMPL	LIANCE
	YES	NO
ENGINE EQUIPMENT (CONT'D)		
Positive load disconnect with cab mounted control switch	\boxtimes	
Mounted outboard driver seat		
Positive and negative posts for jumpstart located on frame next to starter	\boxtimes	
Cummins naturally aspirated 25.9 cfm air compressor with internal safety valve		
Electronic engine integral shutdown protection system	\boxtimes	
Cummins intebrake brake with high/med/low brake	\boxtimes	
RH outboard under step mounted horizontal aftertreatment system assembly with	\boxtimes	
RHB-pillar mounted vertical tailpipe	\boxtimes	
Engine aftertreatment device, automatic over the road regeneration and dash mounted regeneration request switch		
11' 6" standard curve bright upper stack	\boxtimes	
RH curved vertical tailpipe B-pillar mounted routed from step		
13 gallon diesel exhaust fluid tank	\boxtimes	
100% diesel exhaust fluid fill		
Standard diesel exhaust fluid pump mounting and tank cap		
Non-polished aluminum diamond plate diesel exhaust fluid tank cover		
LH medium duty standard diesel exhaust fluid tank location		
Stainless steel aftertreatment device/muffler/tailpipe shield	\boxtimes	· 🗀
Horton drive master advantage on/off fan drive	\boxtimes	
Automatic fan control with dash switch and indicator light, non-engine mounted		
Cummins spin on fuel filter		
Combination full flow/bypass oil filter	\boxtimes	
1500 square inch aluminum radiator	\boxtimes	
Antifreeze to -34°F, oat (nitrite and silicate free) extended life coolant gates blue stripe coolant hoses or equivalent		
Constant tension hose clamps for coolant hoses	×	
Radiator drain valve		
Lower radiator guard		
Phillips-temro 1500 watt/115 volt block heater		

COMPLIANCE PAGES – MOTOR VEHICLE - TANDEM TRUCK

Page 4 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

		PLIANCE	
	<u>YES</u>	<u>NO</u>	
ENGINE EQUIPMENT (CONT'D)			
Chrome engine heater receptacle mounted under LH door	\boxtimes		
Delco 12V 39MT HD/OCP starter with thermal protection and integrated magnetic switch	\boxtimes	. 🗆	
TRANSMISSION AND EQUIPMENT			
Allison 4500 RDS automatic transmission with PTO provision			
Allison vocational package 223 - Maximum output speed for PTO operation 4000 rpm - Allison 5th gen transmissions	\boxtimes		
Vehicle interface wiring connector without blunt cuts, at back of cab electronic transmission customer access connector firewall mounted customer installed Chelsea 280 series PTO			
PTO mounting, LH side of main transmission			
Magnetic plugs, engine drain, transmission drain, axle fill and drain push button electronic shift control, dash mounted	\boxtimes		
Transmission prognostics	\boxtimes		
Water to oil transmission cooler, frame mounted transmission oil check and fill with electronic oil level check			
Synthetic transmission fluid (TES-295 compliant)	\boxtimes		
FRONT AXLE AND EQUIPMENT			
Detroit da-f-20.0-5 20,000 lb. FLL 71.0 kpl/3.74 drop single front axle	\boxtimes		
Meritor 16.SX6 q+ cast spider cam front brakes, double anchor, fabricated shoes	\boxtimes		
Non-asbestos front brake lining	\boxtimes		
Cast iron outboard front brake drums front brake dust shields	\boxtimes		
Front oil seals	\boxtimes		
Vented front hub caps with window, center and side plugs - oil standard spindle nuts for all axles	\boxtimes		
Haldex automatic front slack adjusters with stainless steel clevis pins standard king pin bushings	\boxtimes		
TRW-THP-60 power steering with RCH45 auxiliary gear power steering pump	\boxtimes		
4 quart power steering reservoir oil/air power steering cooler	\boxtimes		
Current available synthetic 75W-90 front axle lube			

COMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 5 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

ASSI ECRIBS ON EQUIES (COLL 2)	COMPL	LANCE
	YES	<u>NO</u>
FRONT SUSPENSION	_	
20,000 lb. flat leaf front suspension	\boxtimes	Ц
Graphite bronze bushings with seals	\boxtimes	
Front suspension front shock absorbers	\boxtimes	
REAR AXLE AND EQUIPMENT	•	
RT-46-164P 46,000 lb. R-series tandem rear axle	\boxtimes	
4.30 rear axle ratio	\boxtimes	
Iron rear axle carrier with standard axle housing RPLl25SD Meritor main driveline	\boxtimes	
RPL20 Meritor interaxle driveline	\boxtimes	
Driver controlled traction differential - both tandem rear axles	\boxtimes	
One (1) interaxle lock valve, one (1) driver controlled differential lock forward rear and	_	_
rear-rear axle valve		
Blinking lamp with each interaxle lock switch	\boxtimes	
Interaxle unlock default with ignition off	\boxtimes	
Blinking lamp with each mode switch, differential unlock with ignition off, active <5 mph	\boxtimes	
Meritor 16.SX7 Q+ cast spider heavy duty cam rear brakes, double anchor, fabricated	· I	
shoes	. ⊠ 	
Non-asbestos rear brake lining	Ø	
Brake cams and chambers on forward side of drive axle		. [
Conmet cast iron rear brake drums		
Rear brake dust shields rear oil seals	×	
Bendix Eversure Longstroke, or equal		ليا
2-drive axles spring parking chambers	\boxtimes	
Haldex automatic rear slack adjusters with stainless steel clevis pins	\boxtimes	
Synthetic 75w-90 rear axle lube	\boxtimes	
Standard rear axle breathers	\boxtimes	
REAR SUSPENSION		
Tuftrac Gen2 46,000 lb. rear spring suspension	\boxtimes	
9.5 inch nominal ride height (460 mm global reference height) axle clamping group	\boxtimes	
55 inch axle spacing	\boxtimes	
Fore/aft and transverse control rods rear shock absorbers -two axles		

Page 6 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

AND DETITIED ON EQUILE (CONT. 2)	COMPLIANCE	
	YES	<u>NO</u>
BRAKE SYSTEM		
Wabco 4s/4M ABS	\boxtimes	<u></u>
Reinforced nylon, fabric braid and wire braid chassis air lines	\boxtimes	
Fiber braid parking brake hose		
Standard brake system valves	\boxtimes	
Standard air system pressure protection system Standard US front brake valve	\boxtimes	
Relay valve with 5-8 psi crack pressure, no rear proportioning valve	\boxtimes	
Wabco system saver HP with integral air governor and heater		
Wabco oil coalescing filter for air dryer	\boxtimes	
Air dryer mounted inboard on LH rail aluminum air brake reservoirs	\boxtimes	
Pull cables on all air reservoir(s)	\boxtimes	. 🗆
Quick disconnect fitting with tire inflation kit	⊠	
TRAILER CONNECTION		
Air connections to end of frame with glad hands for truck and no dust covers	\boxtimes	
Primary connector/receptacle wired for separate stop/turn	\boxtimes	
ABS center pin powered through ignition	\boxtimes	
SAE J560 7-way primary trailer cable receptacle mounted end of frame	\boxtimes	
WHEELBASE AND FRAME		
4450 mm (175 inch) wheelbase	\boxtimes	
½ x 3.64 x 11 ft. 7/8 inch steel frame (12.7 mm x 301.6 mm/0.5 x 11.88 inch)	\boxtimes	
120 ksi partial inner frame reinforcement at front suspension	\boxtimes	
1600 mm (63 inch) rear frame overhang	\boxtimes	
Frame overhang range: 61 inch to 70 inch	\boxtimes	
24 inch integral front frame extension	\boxtimes	
Calculated back of cab to rear suspension c/l (ca): 109.65 in	\boxtimes	
Calculated effective back of cab to rear suspension c/l (ca): 106.65 in calculated frame length - overall: 307.79 in	\boxtimes	e no e e e e e e e e e e e e e e e e e e
High Visibility green loose lug nut indicators	\boxtimes	

Page 7 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,

AS SPECIFIED OR EQUAL (CONT'D)		IANCE
	<u>YES</u>	<u>NO</u>
WHEELBASE AND FRAME (CONT'D)		
Calculated frame space lh side: 30.64 in calculated frame space rh side: 16.03 in square end of frame	⊠ .	
Front closing crossmember	⊠	
Standard weight engine crossmember	⊠	
Standard midship #1 crossmember(s)		
Standard rearmost crossmember	⊠ ⊠	
Heavy duty suspension crossmember		
CHASSIS EQUIPMENT	-	
14 inch painted steel bumper front tow hooks	\boxtimes	
Frame mounted bumper mounting for single license plate	\boxtimes	
Grade 8 threaded hex headed frame fasteners	\boxtimes	
FUEL TANKS		
60 gallon/227 liter aluminum fuel tank - LH	☒	
25 inch diameter fuel tank(s) with polished stainless steel bands	\boxtimes	. 🗆
Fuel tank(s) forward polished step finish custom fuel tank cap	☒	
Alliance fuel filter/water separator Equiflo inboard fuel system		
High temperature reinforced nylon fuel line	⊠	
TIRES/HUBS/WHEELS - FRONT AND REAR		_
Michelin XZU-S2 315/80R22.5, 20-ply radial front tires	\boxtimes	
Michelin XDS2 11R22.5, 16-ply radial rear tires	\boxtimes	
Conmet preset plus premium iron front hubs		
Conmet preset plus premium iron rear hubs wheels		
Accuride 29039 22.5X9.00 10-hub pilot 5.25 inset 5-hand steel disc - Front		
Accuride 28828 22.5X8.25 10-hub pilot 2-hand HD steel disc rear wheels	⊠	
Front and rear wheel mounting nuts	\boxtimes	. 🗆
Nylon wheel guards front and rear - all interfaces		
Black, high solids polyurethane chassis paint powder white (N0006EA) front and rear wheels/rims (PKWHT21, TKWHY21, W, TW) powder white (N0006EA)		27 4 7

Page 8 of 31

TTEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

ASSI ECITIES ON EQUIES (COLVE 2)		COMPLIANCE		
	YES	<u>NO</u>		
TIRES/HUBS/WHEELS - FRONT AND REAR	×	П		
One (1) spare rear wheel and tire setup One (1) spare front wheel and tire setup				
One (1) spare nont wheel and the setup				
<u>CAB EXTERIOR</u>				
114 inch BBC flat roof aluminum conventional cab air cab mounting				
Nonremovable bugscreen mounted behind grille short fender with mudflap	\boxtimes			
Bolt-on molded flexible fender extensions	\boxtimes			
LH/RH exterior grab handles with single rubber insert				
Bright finish radiator shell/hood bezel	\boxtimes			
Stationary black grille with bright accents	\boxtimes			
Chrome hood mounted air intake grille fiberglass hood	\boxtimes			
Tunnel/firewall liner	\boxtimes			
Air horn and electric horns	\boxtimes			
Rear license plate mount end of frame	\boxtimes			
Halogen composite headlamps with bright bezels LED aerodynamic marker lights	\boxtimes			
Headlights on with wipers				
No daytime running lights				
Integral LED stop/tail/backup lights	\boxtimes			
Standard front turn signal lamps	\boxtimes			
Dual west coast bright finish heated mirrors with LH/RH remote door mounted mirrors				
102 inch equipment width				
LH/RH 8 inch bright finish convex mirrors mounted under primary mirrors	☒			
Standard side/rear reflectors	\boxtimes			
RH aftertreatment system cab access with plain diamond plate cover composite exterior sun visor				
63 x 14 inch tinted rear window	☒			
Tinted door glass -LH/RH with tinted operating wing windows				
LH/RH electric powered windows	\boxtimes			
1-piece bonded heated wiper park solar green glass windshield	\boxtimes			

Page 9 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EOUAL (CONT'D)

AS SPECIFIED OR EQUAL (CONT'D)	COMPL	IANCE
	YES	NO
CAB EXTERIOR (Cont'd)		П
2 gallon windshield washer reservoir with fluid level indicator, frame mounted	\(\rightarrow\)	
<u>CAB INTERIOR</u>	×	П
Opal gray vinyl interior		_
Molded plastic door panel without vinyl insert with aluminum kickplate lower door	⊠	
Black mats with single insulation		
Forward roof mounted console with upper storage compartments and additional center compartment without netting		
In-dash storage bin		
LH door map pocket	\boxtimes	
LH/RH integral door panel armrests	\boxtimes	
Driver and passenger interior sun visors		
Two (2) cup holders - LH/RH dash	\boxtimes	
Gray/charcoal flat dash	\boxtimes	
5 lb. Fire extinguisher	⊠	
First aid kit		
Heater, defroster and air conditioner	\boxtimes	
Standard HVAC ducting with snow shield for fresh air intake		
Main HVAC controls with recirculation switch		
Standard heater plumbing with ball shutoff valves	\boxtimes	
Valeo heavy duty AC refrigerant compressor binary control, R-134A	\boxtimes	. 🗆
Premium insulation	\boxtimes	
Solid-state circuit protection and fuses with spare fuse kit 12V negative ground electrical system	Ø	
Dome door activated LH/RH, dual reading lights, forward cab roof		
Door locks and ignition switch keyed the same		
Triangular reflectors without flares	\boxtimes	
LH/RH electric door locks	\boxtimes	
One (1) 12 volt power supply in dash		
Elite Isringhausen high back air suspension driver's seat with 2 air lumbar, integrated cushion extension, tilt and adjustable shock, heat	⋈	

Page 10 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPI</u>	
CAR INTERIOR (Care) A)	<u>YES</u>	<u>NO</u>
CAB INTERIOR (Cont'd)		
Premium Isringhausen high back air suspension passenger seat with 2 air lumbar, integrated cushion extension, tilt and adjustable shock	\boxtimes	
Six (6) sets of keys	\boxtimes	
<u>SEATS</u>		
Dual driver and passenger seat armrests	\boxtimes	
Vinyl with vinyl insert driver seat and passenger seat	\boxtimes	
Black seat belts	\boxtimes	
INSTRUMENTS AND CONTROLS		
Low air pressure indicator light and audible alarm	\boxtimes	
Primary and secondary air pressure gauges	\boxtimes	
Intake mounted air restriction indicator without graduations	\boxtimes	
Backup alarm	\boxtimes	
Electronic cruise control with switches on auxiliary gauge panel (b dash panel)	\boxtimes	
Key operated ignition switch and integral start position	\boxtimes	
4 position off/run/start/accessory		
ICU3S, 132 x 48 display with diagnostics, 28 led warning lamps and data linked heavy duty onboard diagnostics interface connector located below LH dash		
Electric fuel gauge	\boxtimes	
Electronic Tachometer		
Electrical engine coolant temperature gauge	\boxtimes	
Transmission oil temperature gauge	\boxtimes	
Engine and trip hour meters integral within driver display	\boxtimes	
One (1) dash mounted PTO switch with indicator lamp	\boxtimes	
Electric engine oil pressure gauge	\boxtimes	
AM/FM/WB world tuner radio with Bluetooth, USB and auxiliary inputs	\boxtimes	
Two (2) Radio speakers in cab		
Electronic mph speedometer with secondary KPH scale	\boxtimes	
No vehicle performance monitor		

Page 11 of 31

<u>ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL</u> (CONT'D)

	COMPL	LIANCE
	YES	<u>NO</u>
<u>INSTRUMENTS AND CONTROLS</u> (CONT'D)		
Ignition switch controlled engine stop	\boxtimes	
Minimum of four (4) ignition controlled extra switches with overload protection	\boxtimes	
Tractor protection valve trailer hand control brake valve	\boxtimes	
Digital voltage display integral with driver display	\boxtimes	
Single electric windshield wiper motor with delay		
Marker light switch integral with headlight switch and dual connectors and switch for customer furnished snowplow lights	⊠	
Low beams off with high beams	\boxtimes	
Two-valve parking brake system with warning indicator	\boxtimes	
Self-canceling turn signal switch with dimmer	\boxtimes	
washer/wiper and hazard in handle	\boxtimes	
Integral electronic turn signal flasher with hazard lamps overriding stop lamps	\boxtimes	
<u>FINISH</u>		
Paint: one solid color - shall be chosen from color chart at time of order	\boxtimes	
Entire truck chassis, underside of cab and underside of body to be coated with		
Tectyl 2423 haps free black, which is a low VOC, high solids, emulsion corrosion	\boxtimes	
Preventive coating, or equal	⊠	
Color: black		
Dry film: firm/flexible solvent: mineral spirits flash point of: 104 application	☒	
COLOR		
Standard black bumper paint		
Sunvisor painted same as cab color a standard e coat/undercoating		
EXTENDED WARRANTY		
Cummins engine Carb 22: X12 HD 1 5 years/ 200,000 miles extended warranty		
Allison 4500 RDS series transmission extended warranty, 7 years/unlimited miles	\boxtimes	
Towing: 5 years/unlimited miles		
Ext chassis ATS: standard moderate/vocational 5 years/200,000 miles extended coverage	e de par de la Maria de la Carta de la Ca	
ACCESSORIES		
Full set of all filters – fuel, oil, air, and cabin	\boxtimes	

COMPLIANCE PAGES – MOTOR VEHICLE - TANDEM TRUCK

Page 12 of 31

'<u>ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,</u> AS SPECIFIED OR EQUAL (CONT'D)

(COMPL	<u> LANCE</u>
	<u>YES</u>	<u>NO</u>
DUMP BODY SPECIFICATIONS - BRANDON BODY MEDIUM DUTY CROSSMEMBERLESS STAINLESS DUMP BODY		
GENERAL		
The dump body required under these specifications shall be constructed of 304 stainless steel. Unit shall consist of a heavy duty body, hydraulic hoist, hydraulic pump, cab shield, safety accessories, and all other components necessary to make up a complete operating unit. The body and hydraulic hoist shall be manufactured by the same company. Hoist		
shall be class 50 NTEA rated telescopic.		
MINIMUM BODY DIMENSIONS		
Inside length: 14'	\boxtimes	
Inside width: 87"	\boxtimes	
Overall width: 9611	\boxtimes	
Side height: 4011	\boxtimes	
End height: 4411	\boxtimes	
Rear post height: 4411	\boxtimes	
Capacity: 13.3 cubic yards water level cab shield: 87" wide x 24" projection	\boxtimes	
MINIMUM BODY CONSTRUCTION		
Sides & front: 7 gauge, 304 SS one piece formed sides: 304 Stainless Steel smooth one piece formed		
Floor: 3/1611 Brinell 450 floor		. \square
Tailgate: 7 gauge 304 SS	\boxtimes	
Tailgate panel: 2-panel straight tailgate with flame cut SS	\boxtimes	
Hardware latching: air operated opening and latching	\boxtimes	
Oak wood side boards: 2" x 411 side boards shall be placed on both sides of dump body	\boxtimes	
Tailgate: single acting tailgate & SS tailgate latch system tailgate safety: Two (2) tailgate safety door lock-chains & anchors air cylinder: air cylinder tailgate		
Longsills: 811 I-beam 3/16" Brinell 250 cab shield mounted on body	\boxtimes	
Cab shield projection: 24" projection SS corner posts: front & rear		
Banjo eyes: Two (2) banjo eyes on rear, low & high position rear post cut outs: one (1) set LED stop/turn/tail light		
Rear post cut outs: One (1) set LED class 1 amber 611 oval strobes rear post cut outs: (1 set) led back up light	\boxtimes	

TTEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,

AS SPECIFIED OR EQUAL (CONT'D)	COMP	LIANCE
	YES	NO
<u>DUMP BODY SPECIFICATIONS - BRANDON BODY MEDIUM DUTY</u> <u>CROSSMEMBERLESS STAINLESS DUMP BODY</u> (CONT'D)		
MINIMUM BODY CONSTRUCTION (CONT'D)		
Body prop: driver side	\boxtimes	. 🗆
Ladder: SS fold up ladder driver's side	\boxtimes	
Walk rail: grip strut safety walk rail (both sides of body)	\boxtimes	
Holder: SS shovel holder driver side- bolt on- mid mount of body hoist: Mailhot telescopic trunnion mount double acting cylinder cylinder mount: 35 ton cylinder block & 24 ton cradle	×	
Hoist spec: NTEA class 50 mud flaps: (1) set mud flaps		
Under body paint: painted black tailgate spreader chain kit	\boxtimes	
One (1) oval stop/tail/turn light cutouts in rear corner post	\boxtimes	
Wiring for standard dump body lights enclosed in a sealed waterproof wiring harness. Split loom not acceptable		
One (1) stainless steel grab handle, driver side front	\boxtimes	
3M reflective tape on both sides of body and on 6-panel tailgate		
ACCESSORIES		
12-volt safety lighting:		
• Six (6) led amber strobe lights	\boxtimes	
Two (2) recessed into rear post	\boxtimes	. 🗆
Two (2) sides of cab shield	, 🛛	
Two (2) front of cab shield		
All body lights shall be LED	\boxtimes	
30-ton pintle hook	\boxtimes	
1" pull plate with 5/8" d-rings	\boxtimes	
7-way, round trailer Pollak-type plug with a removable end	\boxtimes	
One (1) set of Meyer saber plow lights mounted on hood of chassis with stainless steel mounts	\boxtimes	
Two (2) forward facing strobe lights mounted on snowplow lights bracket to be powered by its own switch		
Electric brake controller to control		. \square
7-way flat trailer Pollak type plug with a removable end	\boxtimes	
Glad hand at rear of pintle hook. Location to be determined by county	. 🛛	

GOMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 14 of 31

/ ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

•	COMPL	LANCE
	<u>YES</u>	<u>NO</u>
PIONEER MODEL EDD 1500D TARP SPECIFICATIONS		_
Side mount	\boxtimes	
Roller assembly-telescopic- 3-piece	\boxtimes	
Left roller tube: 2.140 O.D. x 2.000 I.D. 6105-T6 aluminum extrusion with UHMW bushing and stainless steel roll pin to accept motor shaft	⊠	
Right roller tube: 2.140 O.D. x 2.000 I.D. 6105-T6 aluminum extrusion with UHMW bushing.		
1" O.D. 6061-T6 aluminum shaft and stainless steel roll pin center section: 1.960" O.D. x 1.820 I.D. 6105-T6 aluminum extrusion	\boxtimes	
Bearing plates: ¹ / ₄ " H.R.S.	\boxtimes	
Bearings: flange mounted sealed ball bearings roll mounting angles: $1 \frac{1}{2}$ x 2 x $\frac{1}{4}$ steel angle	⊠	
Direct drive gear motor: mounted directly to left side roller	\boxtimes	
Worm & wheel configuration: permanently lubricated sealed gearbox. 90 to 1 ratio	\boxtimes	
Output shaft shall be supported by ball bearings on both ends.	\boxtimes	
Output shaft shall be directly coupled to left side roller	\boxtimes	
Electric motor is .85 horsepower.	\boxtimes	
Aluminum gearbox housing.	\boxtimes	. 🗆
Plastic protective cover.	\boxtimes	
³ / ₄ " O.D. output shaft.	\boxtimes	
Motor is thermally protected by automatic resetting circuit breaker.	\boxtimes	. 🗆
Pivot arms: 1.745" O.D. x 1.405" I.D. 6105-T6 aluminum extrusion with	\boxtimes	
.250 w x .941 reinforcing fin on one side and .75 w x .501 reinforcing block on other side.		
Overall height to be 3.185"	\boxtimes	
Rear section: $13/4$ " O.D. x 170 wall 6061-T6 aluminum extrusion bows: $13/8$ " O.D. x .125 wall 6105-T4 aluminum extrusion	⊠	
Arm mounting brackets: steel weldment base plate: 1/4" H.R.S.	\boxtimes	
Mounting hub: 4" O.D. steel tube	\boxtimes	
Spring: reverse wound torsion spring-1/2" diameter wire per ASTM A229 class I		
FABRIC 100% polyester, 1000 denier, black HD mesh, 13 oz. per square yard.	⊠	

Page 15 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	COMPI	LIANCE
	YES	<u>NO</u>
CONSTRUCTION		
Seamless front to rear, rectangular in shape, 85" wide, grommets on front & sides, pocket at rear.	×	
WIRING AND ELECTRICAL		
All wire shall be 8 gauge stranded cable, all connectors shall be ring type.	\boxtimes	
High amperage self-centering rotary switch (momentary on/off - momentary on).	\boxtimes	. 🗆
Thermal reset circuit breaker (auto reset).	\boxtimes	
PTO PTO		
PTO shall be of a hot shift design driven off the Allison automatic transmission.	\boxtimes	
PTO shall have a direct mount rotatable pump flange.	\boxtimes	
There shall be a console mounted rocker switch to engage and disengage the PTO.	\boxtimes	
Model shall be Chelsea, or equal	\boxtimes	
HYDRAULIC PUMP WITH PTO		
Shall be on an open circuit axial piston design with adjustable compensator	\boxtimes	<u> </u>
Pump operating pressure must adjust to the actual load pressure plus a pressure differential required for the controlled action		
When the system is not demanding power, the load sense control will operate in an energy-saving stand-by mode		
Minimum pump displacement shall be 80CC/ 4.9 cubic inches, delivering 42 GPM at 2,000 rpm		
Pump minimum displacement shall be 90 cubic centimeters continuously rate at 350 bar (5,000 psi). Standby pressure shall be 350 psi		. 🗆
Mounting is an SAE C 4-bolt flange shaft is 1.25" diameter, 14 tooth splined	\boxtimes	
Rpm is rated to 2300 (continuous) with pressure and flow compensator control	\boxtimes	
Rear ported, flange mounted suction port shall meet the following requirements: • Suction port minimum 2.5"	\boxtimes	
• Must use (4) M8 x 16-8.8 mounting bolts		
The rear SAE ported pressure port shall meet the following requirements:	\boxtimes	
pressure port minimum 1"		
SAE-16 o-ring boss		
The hydraulic system must include a low oil shutdown with momentary override.		
The system shall disengage the PTO is a low oil scenario should occur.	\boxtimes	
The operator will have the ability to temporarily override the shutdown to park all hydraulic implements for travel.		

COMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 16 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	COMPLIANO		COMPLIANCE
	YES	<u>NO</u>	
MOUNT			
Pump must mount directly to a PTO on Allison 4500 series, or equal, transmissions without requiring bent axis or external mounting hardware			
Pump must offer mounting flanges in SAE and ISO configurations, and ports are offered in SAE and ISO tube and flange versions.			
CONTROL VALVE GRENSON VALVE WITH PRIORITY FLOW INLET			
Central hydraulic valve system shall be a mobile design to withstand exposure to deicing chemicals and severe weather conditions.		. 🗆	
System shall provide hydraulic fluid to operate the dump body hoist, front plow, and granular spreader system.			
Hydraulic system shall be able to run all hydraulic functions simultaneously without inhibiting the action of the others.	⊠		
Valve sections shall be of cast iron, horizontally stackable, and serviceable without disassembly.	⊠	. 🗆	
Directional control valves shall be pre-compensated, proportional, and load independent			
Valve system shall be closed center for variable displacement			
Pump valve sections must be adjustable for pressure up to 5,500 psi and flow ratings up to 40 gpm	\boxtimes		
Each valve must be laminar flow design for minimal pressure drop.	\boxtimes		
Each section must be manually activated with manual push/pull cables	\boxtimes		
There shall be a main pressure relief set at 2,400 psi to protect against system over- pressurization			
Hoist section must be a PVG 100, 40 gpm 4-way section for double acting hoist	\boxtimes		
Plow lift and angle sections are also 4-way for double acting cylinders with crossover relief	\boxtimes	. 🗖	
Spreader section shall have detent on one side of valve and self-centering on reverse			
All hydraulic hoses must be bulkhead mounted with metal tube style connectors.	\boxtimes		
All tubes shall be labeled with the hydraulic operation	\boxtimes		
SPREADER CONTROL			
Spreader control shall be a dual knob valve with on/off handle	\boxtimes		
Shall have individual flow adjustment knobs for the spinner and auger shall include a relief cartridge to protect the motors in the event of a material jam	⊠		
Valve shall feature spinner priority to reduce material pile up from the auger at low flow conditions	\boxtimes		

COMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 17 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	COMPLIA	
	YES	<u>NO</u>
CABLE CONTROLS		
Control valve shall be shifted via sealed cable assemblies	\boxtimes	
Cable assembly shall feature a polyethylene conduit with armor over braid and Teflon liner		
Cable assembly shall be rated for a minimum of 100 lbs. of pull and 80 lbs. of push		
Cables shall be attached to the hydraulic valve with clevis pin and locking clips	\boxtimes	
Cable to be attached to an in cab handle.	\boxtimes	
Handle will be mounted in a location convenient to the operator.	\boxtimes	
The handle shall feature cast base construction with steel internal parts and be rated for 80 lbs. of output force.		
A knob with identification label will be attached to the end of the handle	\boxtimes	
RESERVOIR/VALVE ENCLOSURE		
Reservoir must be constructed of 10 gauge stainless steel.		
Reservoir/valve enclosure shall be 40 gallon capacity with an integrated covered mounting area for the valve. All plumbing for the hydraulic valve inside the enclosure shall be SAE rated stainless steel tubing and terminate on the front of the reservoir with JIC bulkhead		
connectors.	\boxtimes	
The breather cap shall be mounted to an inspection lid.	\boxtimes	
Inspection lid shall also provide for an in-tank mounted return line filter.	\boxtimes	
The filter assembly shall incorporate a 10 micron 50 gpm filter element with a 25 psi bypass.		
The reservoir will include a twist off filler/breather assembly with 40 micron vent filter and a fill screen. Reservoir shall be complete with a sight temperature gauge and a magnetic drain plug. Suction port will allow for	×	
Installation of a 2" NPT 50 gpm suction screen. Suction screen shall have a 3 to 5 psi bypass spring. A 2" full flow ball valve shall be installed in the suction line. Removing of a lid to access the filter and breather cap is not accept able. The reservoir shall have a float switch to control PTO operation in the event of low oil.	·⊠	

Page 18 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	COMP	LIANCE
	YES	<u>NO</u>
SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD		
TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS		
<u>MOLDBOARD</u>	_	_
Dimensions shall be: 11' L X 42" H	\boxtimes	
Material shall be 10 gauge carbon steel smooth rolled profile providing ultra-smooth surface for snow deflection and stop at the top of the bottom angle to allow replacement of angle.	⊠	
Overhang from cutting edge shall have minimum 12" overhang with 10° attack angle.	\boxtimes	
Top of moldboard shall be reinforced by 2 ½" x 2 ½" x 3/8" angle iron.	\boxtimes	
Bottom of moldboard shall be reinforced by 4 x 4 x 3/4" angle iron and drilled to accommodate AASHTO standards.	\boxtimes	
Ribs shall be 3" tall at the top edge by ½" wide.		
Ribs shall be spaced to match support arm locations as well as provide adequate support of the moldboard.	\boxtimes	
A total of 12 ribs shall be used per moldboard assembly.	\boxtimes	
Three (3) sets of double ribs and six (6) single ribs.		
Each rib shall have a ½" relief at the corners where they attach to the reinforcement angles. This allows water to drain off the back of the moldboard during storage.		
At the bottom of each rib there shall be three 1 5/16" holes spaced at 1 7/8" center to center to allow for semi-circle height adjustment	· 🛛	. 🗆
Two sets of double ribs shall have three 1 5/16" holes spaced at 2 1/4" center to center to allow for attack angle adjustment.	\boxtimes	
Weldments on the moldboard shall be continuous.		
Outer and the two center rigs of moldboard shall be drilled for marker installation.	\boxtimes	
Two (2) curb guards mounted each side of moldboard.		
TRIP MECHANISM CONSTRUCTION		
Plow shall be full trip design consisting of two (2) coil springs	\boxtimes	
Springs shall be $\frac{3}{4}$ " wire with a coil od of 5 9/16", consisting of 16 full coils bottom angle shall be reinforced by eleven (11) $\frac{1}{2}$ " thick gussets spaced evenly to avoid interference with cutting edge attachment hardware cutting edge shall be 6" x 5/8" x 11' long and is drilled to AASHTO standards cutting edge shall be secured using 5/8" grade 8 carriage	. ,	
holts	\boxtimes	

COMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 19 of 31

/<u>ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL</u> (CONT'D)

	COMPLIANC		COMPLIANCE
SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS	YES	<u>NO</u>	
(CONT'D)			
PUSH FRAME			
Push frame shall be designed to hydraulically reverse the moldboard in an arc at any angle from 35 degrees left to 35 degrees right from a centered position.	⊠	□	
Push frame shall be constructed from a ½" plate.	\boxtimes		
Push frame shall be supported above and below the semi-circle with 2 x 4 x 3/16" tubing.	\boxtimes		
Push frame shall be drilled to accept 1 ½" bolt at the semi-circle connection. At this connection, welded to the push frame is the female portion of the socket connection. This connection distributes the pushing load directly from the push frame to semi-circle and moldboard relieving stress on the bolted connection. The female socket connection is made from 1" plate steel and contoured to match the male portion on the semi-circle.	⊠		
Rear of push frame shall be drilled to accept a removable qcp adapter. Three sets of 1 3/16" holes shall be drilled on 2" centers to allow for installation on a variety of trucks and hitches.			
Two holes shall be located on the top and bottom push frame plates drilled to accept $1\frac{1}{2}$ " bolts for hydraulic cylinder attachment.	\boxtimes		
All welds must 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 $5 \times 5 \times 5 \times 1/16$ " is 120" long spanning the entire width of the moldboard.	\boxtimes		
This tube shall be constructed from one continuous piece.	\boxtimes		
There shall be four stops placed appropriately to prevent the plow from turning past 35° left or right.	\boxtimes		
Crank style jackleg (part #0091215) to be mounted on backside of semi-circle hydraulic cylinder mounting points shall be ½" plates welded to the top and bottom of the semi-circle.			
Plates shall be drilled to accept 1 ½" bolts for hydraulic cylinder attachment.	\boxtimes		
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.	\boxtimes		
In the center of the semi-circle, a hole shall be drilled to accept the $1\frac{1}{2}$ " grade 8 bolt that acts as the pivot point for the push frame. Also, at this point above and below the semi-circle shall be the male portion of the socket that relieves stress from the bolted connection.	⊠		
This shall be made from 1" plate steel and contoured to match the female portion on the push frame.	\boxtimes		

Page 20 of 31

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	COMP	LIANCE
SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS	YES	<u>NO</u>
(CONT'D)		
PUSH FRAME Tabs shall be welded on the push frame to accept ½11 screw type chain shackles. These tabs shall be made from ½11 plate steel 5 ¼11 long and 2 ½" wide. They shall be welded to the back side of the 511 tubular push beam to increase the weld surface area. They shall be welded at 55 degrees from the bottom of the semi-circle to match the chain angle going	×	
to the lift arm on the hitch.		
There shall be seven (7) sets of 3/411 thick moldboard mounting ears installed along the push beam for attachment of the moldboard. Moldboard shall pivot at these points on 1 ½" 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 (2) outer sets on either side of the push beam) shall have an inside spacing of $\frac{3}{4}$ " to accept a single $\frac{1}{2}$ " moldboard rib. Three (3) sets of the moldboard mounting ears (the center sets) shall have an outside spacing of $2\frac{3}{4}$ " to fit inside double moldboard ribs.		
Moldboard attachment ears shall be gusseted with 4" triangular steel gussets.	\boxtimes	. 🗆
The push frame shall connect to upper portion of the moldboard using two support arms.	\boxtimes	
The center of the support arm shall be made from 2 x 2 x ½" square box tube.	\boxtimes	
Actual mounting points are 1" schedule 40 pipe fully welded through the box tubing.	\boxtimes	
The box tubing shall be drilled through to accept the pipe, the actual connection point is a 7/8" bolt.		
ADJUSTABLE CAST MUSHROOM SHOES		
Plow to be fitted with adjustable cast steel mushroom shoes mounted left and right on rear of semi-circle.		
A ½" steel plate to be welded onto the semi-circle rear with five (5) adjusting holes for overall height.		
Adjusting handle crank to be storable against the show housing and allow up and down movement of the shoe via threaded screw.	\boxtimes	
A 1 $\frac{1}{4}$ " screw with adjusting nut are housed in a 311 square shoe housing with a welded on 5-hole mounting platecast steel mushroom plow shoe has 6" bolt centers, $\frac{3}{4}$ " square holes and is 10.625" in diameter and 2.34 inches thick.	\boxtimes	
Grade 8 hardware shall be used throughout.	\boxtimes	
HYDRAULICS		
Plow angle shall be controlled by two (2) double acting hydraulic cylinders each cylinder shall have a 4" bore with an 8" rod diameter with a maximum operating pressure of 3000 psi.		

COMPLIANCE PAGES – MOTOR VEHICLE - TANDEM TRUCK

Page 21 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

		LIANCE
SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS	YES	<u>NO</u>
(CONT'D)		
HYDRAULICS (CONT'D)		
Retracted cylinder length shall be 21" with both the rod and cylinder ends accepting $1 \frac{1}{2}$ " bolts/pins for connecting to the semi-circle and push frame.	⊠	
Plow shall be equipped with one crossover relief valve. Valve shall use $\frac{1}{2}$ " ports and be set to a relief pressure of 1000 psi.	\boxtimes	
QCP		
Push frame shall be equipped with a removable QCP adapter for quick hitch applications.	\boxtimes	
The side of the removable QCP shall be drilled to allow for three different mounting heights.	\boxtimes	
Base of the QCP shall be made from MC4 x 13.8# channel QCP side plate shall be ½" formed plate.		
QCP loop diameter shall be 2".		
PAINT	•	
Paint shall be of high quality, free of runs, overspray, and defects standard paint type shall be epoxy.		
SPH A-152 ARM BUMPER TO FRAME PLOW HITCH SPECIFICATIONS		
HITCH FRAME		
Frame shall be heavy duty, low profile, front frame mounted style, designed for use with trucks equipped with a tilt hood and stationary grille.	\boxtimes	
Snow plow hitch must clear hood when open.	\boxtimes	
The 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 shall be constructed from 4 x 4 x 3/8" square tubing.	\boxtimes	
Cylinder support bracket on the hitch shall be constructed from 3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x $\frac{1}{2}$ " angle fully welded to both vertical supports.		
The two (2) cylinder mounting tabs shall be $\frac{1}{2}$ " steel placed in the center of support bracket and spaced at 2 $\frac{1}{8}$ " apart.	⊠	
Each tab shall be drilled to accept a 1" pin.	\boxtimes	

COMPLIANCE PAGES - MOTOR VEHICLE - TANDEM TRUCK

Page 22 of 31

/<u>ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,</u> AS SPECIFIED OR EQUAL (CONT'D)

	COMPL	IANCE
The state of the s	<u>YES</u>	<u>NO</u>
SPH A-152 ARM BUMPER TO FRAME PLOW HITCH SPECIFICATIONS (CONT'D)		
HITCH FRAME (CONT'D)		
The upper horizontal support of the hitch shall be constructed of two (2) pieces:		
• The first is a formed 3/8" plate that wraps the top and upper back portion of the		
vertical supports. This plate also acts as a stop when the lift cylinder is stored as well as one (1) of two (2) points. The lift arms connection tabs are welded.	\boxtimes	
• The second horizontal support is a ½" contoured plate that allows the lift cylinder to be stored and providess a second mounting point for the lift arm connection tabs.	\boxtimes	
There shall be two (2) pairs of lift arm support shackles. Each pair shall be made from $\frac{1}{2}$ 11 x 9 $\frac{3}{4}$ 11 plate and drilled to accept 1 $\frac{1}{4}$ " pins.	×	
Fully welded to the vertical supports shall be two (2) C 8 x 18.75 channels with ½" thick end plates.	\boxtimes	
The end plates shall be drilled to accept six 5/8" grade 8 bolts for attaching the hitch between the frame rails.	\boxtimes	
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.	⊠	
PIN LOCK QUICK CONNECT PLATE		
Plow attachment shall be made by a pin lock QCP assembly.	\boxtimes	
Top and bottom of the assembly shall be made from ½" contoured plate.	\boxtimes	
Both plates shall be drilled to accept the 2" lock pin.	\boxtimes	
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 too high while hitching.	⊠	
In front of the QCP assembly shall be two (2) ½ thick form bumpers. These bumpers are the resting/pushing point for the plow. They shall be curved to allow the plow to raise and lower smoothly.	⊠	
Lock pin shall be 2", tapered at one end for ease in guiding into position, and has tabs welded to the other for the lift bar attachment.	⊠	
HEAVY DUTY LIFT ARM ASSEMBLY		
Heavy duty lift arm shall be an extendable style with seven different extended positions.		. 🗆
Frame of the lift arm shall be constructed from $\frac{1}{2}$ " x 4" steel plate that is formed to contour the outer tube of the extendable arm.	\boxtimes	

Page 23 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPI</u>	LIANCE
	<u>YES</u>	NO
SPH A-152 ARM BUMPER TO FRAME PLOW HITCH SPECIFICATIONS		
(CONT'D)		
HITCH FRAME (CONT'D)	⊠	
This frame is also the connection point to the hitch and hydraulic cylinder.		
The external tube shall be constructed of 411 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.	\boxtimes	
The inner tube shall be constructed of 3" heavy wall square tubing.	\boxtimes	
Tubing is drilled to allow for the seven (7) different extended positions.	\boxtimes	
Lift arm assembly shall be welded to the square tubing.	\boxtimes	
Tubing shall be drilled to allow for the seven different extended positions.		
Welded to the front of the inner tube shall be a formed ½" plate with notches to accept standard ½" link chain. When required this plate can be shall be changeable to match different level lift systems.	. ⊠	
OPTIONS 1A. V-Box Spreader Specifications		
General 14 7 series v-box hopper style salt and sand spreader. Spreader shall be capable of hauling and spreading free flowing granular materials. Unit shall consist of a 304 stainless steel body, rear discharge conveyor, spinner disk, power drive and all components necessary to make a complete operating unit. Unit shall be manufactured in the USE by an ISO 9001:2008 certified company.	⊠	
Body		`
10 yard capacity		
Inside length of hopper shall be 14' at top and 12' at bottom inside top width shall be 82".	\boxtimes	
Side slope to be 45° minimum.	\boxtimes	
Front panel slopes shall be a minimum of 18° hopper seams shall be continuous welded on inside.		₽
Sides, ends and side supports shall be 10 gauge 304 stainless steel top edge of hopper is formed "J" channel 2" x 1 $\frac{1}{2}$ ".	\boxtimes	
Auger trough shall be 10 gauge 304 stainless steel longsills shall be 10 gauge 304 stainless steel.	\bowtie	□.
Cross sills shall be formed 7 gauge 304 stainless steel welded to side supports.		. 🗆
Lift hooks on each corner are 5/8" stainless steel round bar all hardware is stainless steel.		
3/8" rod on 3/8" rod top grate screens with anti-freeze hinges are required equipment with		

Page 24 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

TIO DI ECHI ILLE ON EQUIE (CONT 2)	COMPI YES	LIANCE NO
<u>/OPTIONS</u> (CONT'D)		
1A. <u>V-Box Spreader Specifications</u> (Cont'd)		
Auger Requirements		_
Twin 7" diameter hard faced variable pitch augers with direct drive hydraulic motor.		
Motor is directly coupled to end of auger shafts.	\boxtimes	
Auger shafts connect at front with a 2" 4-bolt flange bearing rear auger drive has no motor guard bolted to rear.	\boxtimes	
One (1) LED spreader light mounted to spreader box.		
Light bar mounted to rear of spreader at top.	\boxtimes	
Spinner Chute Assembly		
10 gauge 3 04 stainless steel	\boxtimes	
Four (4) position telescopic adjustment.	\boxtimes	
Four (4) bottom spinner deflectors shall be overlapping to prevent loss of granular material when the deflectors are raised.	\boxtimes	
Front deflector shall be fixed.	\boxtimes	
Bottom overlapping spinner deflectors shall have four (4) positions of rod and pin adjustment without tools. Chain adjustable deflectors are not acceptable.	\boxtimes	
Poly 20" diameter spinner disc shall have replaceable machined hub spinner hydraulic motor shall mount directly on bottom of spinner disc.	\boxtimes	
Paint		
All metal surfaces shall be high pressure cleaned with a phosphate solution to remove slag, splatter, oxide, and oil residue.	\boxtimes	
Non-stainless steel parts shall be painted or powder coated black.	\boxtimes	
304 stainless steel components unpainted.	\boxtimes	
Tailgate Lock Kit		
Main latch bar shall be 3" x 4.1 lb structural channel 84" wide.	\boxtimes	
Two (2) 3" x 4.1 lb x 811 structural channel with two (2) $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " mounting hole shall be welded to main channel to bolt on spreader.		
Two (2) 1 ¼" x 7" round stock tailgate latches to be welded to main channel.	\boxtimes	
Tie Down Kit		
Shall consist of four (4) chain style tie down assemblies chains shall be grade 30 3/8" x 29 links.	\boxtimes	
Top plate shall be ½" x 4 triple broke ALOL 1 powder coated steel with banjo eye to accept 3/8" chain.	\boxtimes	

/ ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,
AS SPECIFIED OR FOUND. (CONT'D)

AS SPECIFIED OR EQUAL (CONT'D)	COM	<u>PLIA</u>	<u>NCE</u>
	YES		<u>NO</u>
OPTIONS (CONT'D)			
1A. V-Box Spreader Specifications (Cont'd)		,	
Tie Down Kit (Cont'd) Tie John Land and Land a			
Tie down bracket shall be ½" x 4" x triple broke ALOL 1 powder coated steel with 3/8" double link clevis to attach chain.	\boxtimes		
3/4" zinc plated turnbuckle to have grease fitting.	\boxtimes		
1/4" turnbuckle shall have 1/2" - 13 nut welded to center to secure turnbuckle.	\boxtimes		
Galvanized Spreader Leg Stands			
Main channels to be constructed of 2" x 6" x 7 gauge tubing crossmembers to be 3" structural channel.	\boxtimes		
Telescoping rear legs to be constructed of 3 ½" x 3 ½" x 3/16" tubing adjustable front legs to pivot, constructed of 4" x 4" x 3/16" tubing 4" adjustable steel front roller wheels.	\boxtimes		· 🗆
Body guide wheels front and rear of stand.	\boxtimes		
Light bar mounted on back of spreader with detachable plug.	\boxtimes		
1B. 8' Under Tailgate Spreader Specifications			
Meyer BL-960 Specifications			
Body width: 96"	\boxtimes		
Hopper height: 19"	\boxtimes		
Hopper width: 96"	\boxtimes		
Hopper depth: 18"	\boxtimes		
Spread width: 4'-40' empty weight: 450 lbs. Spinner diameter: 18".	\boxtimes		
Material movement: auger	5.		
Mounting method: under tailgate	\boxtimes		П
Hopper material: stainless steel.	×		
Spreader material: salt or salt/sand mix.	ESI		_
General	57		
This under tailgate shall be of the bottom opening design.	\boxtimes		Ш
The spreader shall fasten to the corner posts of the dump body using spreader manufacturers' brackets and quick disconnect pins for quick mounting and removal without the use of special tools.			
This mounting shall allow the dumping of materials without interference from the spreader.			
This unit shall spread free flowing granular materials, abrasives and chemicals.			
This unit shall be factory adapted to accept automatic control systems (only with a sensored motor).	⊠		

Page 26 of 31

ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

ASSI ECITIED ON EQUAL (CONT D)	COMPI	COMPLIANCE	
	YES	<u>NO</u>	
OPTIONS (CONT'D)			
1B. 8' Under Tailgate Spreader Specifications (Cont'd)			
General (Cont'd)			
All stainless steel used in the production of this unit shall be corrosion resistant, non-magnetic stainless steel.			
The manufacturing and production of this unit shall be of the best commercial practices, and only materials of the finest quality shall be used.			
Trough			
Rigid 10 ga stainless steel one piece end plates shall be continuously welded to a 10 gauge stainless steel auger trough & 3" x 1 ½" formed channel stainless steel rear member.	\boxtimes		
The unit shall have a 10 gauge stainless steel three point hinged bottom door that when released, exposes the entire length of the auger for easy cleanout.	⊠		
This hinged bottom shall be held in place by two replaceable heavy duty cam locks with a lift handle for convenient one man operation.	\boxtimes		
The anti-flow cover over the discharge opening shall be manufactured of 10 gauge stainless steel and removable without the use of tools.			
The 10 gauge stainless steel trough cover/backplate shall be one piece hinged integral part of the unit that may be raised when spreading and lowered for dumping operations.	\boxtimes		
This cover shall be capable of being locked in either the raised or lowered position by two replaceable captivated latches.			
Drive			
A direct drive coupled hydraulic motor shall be provided for driving the auger.	\boxtimes		
This hydraulic motor shaft shall mount directly to the auger pipe by a non-corrosive sleeve and a ½" grade 8 bolt.	\boxtimes		
The hydraulic motor shall mount directly to the end plate.	\boxtimes		
There shall be two separate hydraulic "orbital type" motors capable of delivering high torque at low speeds to power both the auger and the spinner.	\boxtimes		
The auger feed rate and spinner speed are both variable.	\boxtimes		
Feed Mechanism			
The 611 diameter (nominal) heavy duty auger shall consist of flights with outer edge at not less than .150 thickness, which is welded to a 2 7/8" diameter ERW pipe size tube.			
This auger shall have continuous and reverse flighting to the discharge port for more uniform dump body unloading, and shall be supported by 1 ¼" idler end shaft.	\boxtimes	war was a s	
The auger idler shaft shall be supported in sealed self-aligning precision single row radial ball bearing with grease fitting.			

Page 27 of 31

TTEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

THE DITTION OF THE COURT OF	COMPL	COMPLIANCE	
	YES	<u>NO</u>	
<u>/OPTIONS (CONT'D)</u>		,	
1B. 8' Under Tailgate Spreader Specifications (Cont'd)			
Feed Mechanism (Cont'd) The discharge port shall be located on the left side of the trough, approximately 21" in from the edge of the bottom door. The spreader shall be equipped with a safety interlock device to positively prevent power	⊠		
from reaching the auger motor when the top cover and bottom door are opened beyond the normal operation position.	\boxtimes		
Spinner			
The spinner shall consist of a disc and six (6) fins molded into a single polyurethane.	\boxtimes		
Unit, resulting in a flat trajectory and uniform spread pattern from 4 to 40 feet in width.	\boxtimes		
The spinner assembly shall be adjustable side to side, allowing for variable spread patterns left, right, and center of vehicle.	\boxtimes		
This shall be accomplished by sliding the hinged frame sideways on the shaft so that the point at which the material hits the spinner disc is varied the entire spinner assembly shall be easily removed by pulling two pins, and uncoupling two hydraulic quick disconnect hoses.	×		
The spinner disc shall be mounted directly onto the hydraulic motor shaft by means of a cast iron spinner hub.			
The spinner shall be linked to the truck frame with a universally mounted parallel arm to keep the spinner horizontal to the road surface at all dump body anglesa spinner shield shall be provided to prevent material from striking the truck.	⊠		
The spinner shall be adjustable in height in four positions.	\boxtimes		
The entire spinner assembly shall be made of stainless steel except for the motor and the spinner disc.	⊠		
Mounting		•	
This spreader shall fasten to the side of the dump box using quick disconnect pins for quick mounting and removal without the use of special tools.			
Paint			
All stainless steel shall be chemically cleaned, but remain un-painted. Carbon steel components shall be chemically cleaned and coated with a leadfree rust inhibitive primer and painted with lead free black.			
1C. <u>Heated Body Specifications</u> General			
Heavy duty heated crossmemberless stainless steel dump body.	\boxtimes		
Body shall be heated through diverter box with thermos-switch for activation with stainless steel piping.	\boxtimes		

Page 28 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

		COMPL	
OPTIONS (CONT.D)		<u>YES</u>	<u>NO</u>
OPTIONS (CONT'D) 1D. Chassis Upgrade to 74,000 GVWR			
General			
Upgrade to 74000 GVWR		\boxtimes	
22000 lb. Meritor front axle			
23000 lb. front suspension		\boxtimes	
Meritor 16.5x6 q + high capacity cast spider cam front brakes		\boxtimes	
Michelin XZY-3 425/65R22.5 20 ply front tires		\boxtimes	
Accuride 29807 22.5x12.25 front rims		\boxtimes	
52000 lb, RT-52-185 T series tandem rear axle		\boxtimes	
Driver controlled traction differential rear most tandem only		\boxtimes	
1 inter axle lock and 1 driver controlled differential lock rear-rear Meri spider cam rear brakes	itor 16.5x7 p cast		
Gunite heavy weight cast iron brake drums 11Rx24.5 16 ply Michelin	x multi drear tires	\boxtimes	
Accuride 24.5x8.25 rear rims	•	\boxtimes	
Tuftrac Gen2 52000 lb. rear spring suspension		\boxtimes	
Minimum Body Dimensions for Chassis Upgrade			
Inside length: 14'		\boxtimes	
Inside width: 87"		\boxtimes	
Overall width: 96"			
Side height: 46"	•	\boxtimes	
End height: 50"		\boxtimes	Image: Control of the
Rear post height: 50"		\boxtimes	
Capacity: 15.2 cubic yards water level cab shield: 87" wide x 24" projection	ection	\boxtimes	
1E. Paint for Dump Body			
/1F. Paint Colors Not on Standard Color Chart			
i.e.: Gem Green: W7515G or Chestnut		,	
/1G. Road Department Color Scheme			
Dupont 4357A – School bus yellow from the bottom of the windows d # 5240 from the bottom of the windows up to and including cab roof at	nd back, on hood		
from bottom of windshield to a point on the hood to make a "V" and m department fleet. (Note: Not all Vehicles will be painted this way).	iaicii uic ivau	\boxtimes	

COMPLIANCE PAGES – MOTOR VEHICLE - TANDEM TRUCK

Page 29 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

		COMPL	
ΩĐ	<u>ΓΙΟΝS</u> (CONT'D)	<u>YES</u>	<u>NO</u>
-	Diagnostic Tools / Test Equipment		
Cun	nmins Quickserv Unlimited Service plan, with renewals, shall be provided at no cost to county for a period of five (5) years from the acceptance of the equipment.		
1.	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	M	
_	equipment (if applicable).	\boxtimes	
2.	supplied at the time of bid.	×	
3.	All software installations and activations will be completed by the successful bidder at no cost to the County.	\boxtimes	
4.	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.		
5.	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.		
6.	Training shall be provided on all items in this section at a County location.	\boxtimes	
7.	and the second s		
For	Two-Way Radio Power and Wiring Requirements for New Vehicles the purpose of installing two-way radios into new County vehicles and equipment, the owing power and wiring components shall be included:		·
•	#12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps. #12 AWG BLACK wire connected to chassis ground. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.		
of the	se wires shall be encased in plastic wire loom and routed from their source into the cab he vehicle and secured in the vicinity of the operator. The wiring harness shall be arly labeled "TWO-WAY RADIO". The wires shall be unterminated. The 12VDC roces shall be protected from making contact with grounded metal surfaces.	×	

COMPLIANCE PAGES – MOTOR VEHICLE - TANDEM TRUCK

Page 30 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

AS SPECIFIED OR EQUAL (CONT'D)		
	YES	LIANCE NO
OPTIONS (CONT'D)	165	110
1J. Installation of County Supplied Two-Way Radio and Accessories Install is to include but not limited to antenna cable, mounts, speakers, brackets, etc. For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:		
 #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps. #12 AWG BLACK wire connected to chassis ground. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps. 		
These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The 12VDC sources shall be protected from making contact with grounded metal surfaces.	×	
/ 1K. <u>Technical Support</u>		
Technical Support is to be provided by factory authorized technical representatives and shall be the original equipment Manufacturer's industry standard technical presentation in a classroom setting.	⊠	
The support provided shall be at the journeyman/equipment technician level and should address limited theory, fault diagnosis and repair pertaining specifically to the equipment supplied under this specification.	×	
 Technical support may be requested in the following areas: Engine (cooling, fuel, ignition, lubrication systems) – 1 day at each location. Transmission – 1 day at each location Electrical – 1 day at each location Brakes – 1 day at each location Hydraulic system (dump body, spreader, snow plow) – 1 day at each location Upfitter (dump body, sweeper, etc.) – 1 day at each location 	×	
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 shall be allowed only with consent of Vehicle Services.	\boxtimes	
Total training hours shall be provided and no additional compensation will be considered.	\boxtimes	
Actual time to be spent on each area will be by mutual agreement of the Vehicle Services Department and the successful bidder.		. 🗆
For the purposes of determining materials and other training costs, class size is anticipated to be comprised of six (6) to ten (10) Vehicle Services Department personnel Actual class size will be determined by the Vehicle Services Department at the time the classes are scheduled.	×	
Before the training is scheduled, Vehicle Services and the contractor will agree on the scope of the training, and the type and quantity of manuals, etc. that are necessary for proper education.	×	Ċ

Page 31 of 31

/ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,

AS SPECIFIED OR EQUAL (CONT'D)		
	COMPLIANCE	
	YES	<u>NO</u>
<u>OPTIONS</u> (CONT'D)		
1K. <u>Technical Support</u> (Cont'd)		
Technical Support for Vehicle Services may be provided at the following fleet maintenance facility locations as scheduled by a Vehicle Services Department representative:		
• Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions will be provided at this location: One beginning at 7 am and another beginning at 1:30 pm)		
• Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050	\boxtimes	
Successful bidder shall provide Technical Support sessions for other Departments, which will be held at an Ocean County location specified by the requesting Department.		
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.	×	