



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

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

101 Hooper Avenue
Toms River, New Jersey
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Board Meeting Agenda

Date: July 19, 2023 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS to Winner Ford, the sole qualified bidder. Recommendation is made to reject Item Nos. 5, 5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h, 5i, 5j, 5k, 5l, 5m, 5n, 5o, 5p, 5q, 5r, 5s, 5t, 5u, 5v, 5w, 5x, 5y, 5z, 5aa, 5bb, 5cc, 5dd, 5ee, 5ff, 5gg, 5hh and 5ii as unresponsive. They will be rebid with revised specifications. (B2023-134)

Official Resolution#	2023001023						
Meeting Date	07/19/2023						
Introduced Date	07/19/2023						
Adopted Date	07/19/2023						
Agenda Item	m-6						
CAF #							
Purchase Req. #	B2023-134						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Vicari		✓					
Quinn	✓				✓		
Crea	✓			✓	✓		
Haines	✓				✓		
Kelly	✓		✓		✓		

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

CONTRACT NO. MUST BE ON ALL PAPERS, DOCUMENTS, INVOICES, VOUCHERS
NO. B2023-134

RESOLUTION

July 19, 2023

WHEREAS, on June 21, 2023, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS for the County of Ocean; and

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

<u>Name of Bidder</u>	<u>Address of Bidder</u>
Winner Ford	250 Berlin Road Cherry Hill, NJ 08034 (856) 214-0759

; 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, WINNER FORD be accepted. Recommendation is made to reject Item Nos. 5, 5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h, 5i, 5j, 5k, 5l, 5m, 5n, 5o, 5p, 5q, 5r, 5s, 5t, 5u, 5v, 5w, 5x, 5y, 5z, 5aa, 5bb, 5cc, 5dd, 5ee, 5ff, 5gg, 5hh and 5ii, as they were unresponsive They will be rebid with revised specifications.

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 VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS for the County of Ocean, for the contract period from date of award through July 18, 2024, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows:

WINNER FORD for one hundred sixty seven (167) items, to wit:

ITEM NOS. 1, 1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1j, 1k, 1l, 1m, 1n, 1o, 1p, 1q, 1r, 1s, 1t, 1u, 1v, 1w, 1x, 1y, 1z, 1aa, 1bb, 1cc, 2, 2a, 2b, 2c, 2d, 2e, 2f, 2g, 2h, 2i, 2j, 2k, 2l, 2m, 2n, 2o, 2p, 2q, 2r, 2s, 2t, 2u, 2v, 2w, 2x, 2y, 2z, 2aa, 2bb, 2cc, 2dd, 2ee, 2ff, 2gg, 2hh, 2ii, 2jj, 2kk, 2ll, 2mm, 2nn, 2oo, 2pp, 2qq, 2rr, 2ss, 2tt, 2uu, 2vv, 3, 3a, 3b, 3c, 3d, 3e, 3f, 3g, 3h, 3i, 3j, 3k, 3l, 3m, 3n, 3o, 3p, 3q, 3r, 3s, 3t, 3u, 3v, 3w, 3x, 3y, 3z, 3aa, 3bb, 3cc, 3dd, 3ee, 3ff, 3gg, 3hh, 3ii, 3jj, 3kk, 3ll, 3mm, 3nn, 3oo, 3pp, 3qq, 3rr, 3ss, 4, 4a, 4b, 4c, 4d, 4e, 4f, 4g, 4h, 4i, 4j, 4k, 4l, 4m, 4n, 4o, 4p, 4q, 4r, 4s, 4t, 4u, 4v, 4w, 4x, 4y, 4z, 4aa, 4bb, 4cc, 4dd, 4ee, 4ff, 4gg, 4hh, 4ii, 4jj, 4kk, 4ll, 4mm, 4nn and 4oo.

For a Total Lump Sum Award (Item #'s 1 - 1cc) of \$7,144,480.00.

For a Total Lump Sum Award (Item #'s 2 - 2vv) of \$8,821,255.00.

For a Total Lump Sum Award (Item #'s 3 - 3ss) of \$7,235,255.00.

For a Total Lump Sum Award (Item #'s 4 - 4oo) of \$3,711,250.00.

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

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

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

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2023-134.

5. Be it further resolved that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Vehicle Services and Winner Ford the successful bidder.

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 - CURRENT MODEL YEAR OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
1	Current Model Year Or Newer, Ford F550 Regular Cab With Steel Dump Body, As Specified, Or Equal	25	EA	\$82,812.00	\$2,070,300.00		2024 F550 RC	see #7 in questionnaire	unknown at this time
OPTIONS									

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
1a	Upgrade Chassis to Super Cab Chassis, retaining 60" Cab to Axle, as specified	25	EA	\$3,960.00	\$99,000.00				
1b	Upgrade Chassis to Crew Cab Chassis, retaining 60" Cab to Axle, As specified	25	EA	\$4,995.00	\$124,875.00				
1c	Upgrade to Regular Cab Chassis with 84" Cab to Axle, As Specified	25	EA	\$1,320.00	\$33,000.00				
1d	Upgrade to Super Cab Chassis with 84" Cab to Axle, As Specified	25	EA	\$4,130.00	\$103,250.00				
1e	Upgrade to Crew Cab Chassis with 84" Cab to Axle, as specified	25	EA	\$5,170.00	\$129,250.00				
1f	Fold Down Sides on Standard Dump Body, as Specified	25	EA	\$850.00	\$21,250.00				
1g	Stainless Steel Body Upgrade Dimensions, as Specified	25	EA	\$7,060.00	\$176,500.00				

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.:
1h	Stainless Steel Fold Down Sides for Stainless Steel Body Option, as Specified	25	EA	\$1,500.00	\$37,500.00				
1i	Body Paint Option for Stainless Steel Body Upgrade, as Specified	25	EA	\$4,000.00	\$100,000.00				
1j	Central Hydraulic System Hydraulic Pump, as Specified	25	EA	\$25,200.00	\$630,000.00				
1k	Stainless Steel UTG Spreader General, as Specified	25	EA	\$9,000.00	\$225,000.00				
1l	Dump-Through Liftgate, as Specified	25	EA	\$11,000.00	\$275,000.00				
1m	I-Pack Tool Box, as Specified	25	EA	\$6,300.00	\$157,500.00				
1n	ProTech Aluminum I-Pack with Stainless Steel Doors PN #20-2737, as Specified	25	EA	\$7,390.00	\$184,750.00				
1o	30" Under Body Tool Box, as Specified	25	EA	\$1,550.00	\$38,750.00				

PROPOSAL DOCUMENT REPORT
 Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS
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PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.
1p	Stainless Steel V-Box General, as Specified	25	EA	\$33,400.00	\$835,000.00				
1q	Spreader Leg Stand Kit PN #3037295, as Specified	25	EA	\$4,265.00	\$106,625.00				
1r	Air Compressor, 70 CFM, as Specified	25	EA	\$19,110.00	\$477,750.00				
1s	Air Compressor, 150 CFM, as Specified	25	EA	\$22,135.00	\$553,375.00				
1t	Gen-Lights, Model 30264, as Specified	25	EA	\$1,280.00	\$32,000.00				
1u	9' Readily Detachable Western Snow Plow System, as Specified	25	EA	\$9,235.00	\$230,875.00				
1v	Poly Electric Spreader Dimensions, as Specified	25	EA	\$8,690.00	\$217,250.00				
1w	Whelen Light Bar LED Liberty II Solo IX 48", as Specified	25	EA	\$5,400.00	\$135,000.00				

PROPOSAL DOCUMENT REPORT
 Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS
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PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.:
1x	Road Department Paint Color Scheme, as Specified	25	EA	\$3,500.00	\$87,500.00				
1y	Special Paint Colors Not On the Standard Color Chart, as Specified	25	EA	\$660.00	\$16,500.00				
1z	Diagnostic Tools / Test Equipment, as Specified	3	SET	\$7,500.00	\$22,500.00				
1aa	Two-Way Radio Power and Wiring Requirements for New Vehicles, as Specified	25	EA	\$360.00	\$9,000.00				
1bb	Installation of County Supplied Two Way Radio and Accessories, as Specified	25	EA	\$600.00	\$15,000.00				
1cc	Technical Support, as Specified.	180	HR	\$1.00	\$180.00				
TOTAL					\$7,144,480.00				

ITEM #2 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
2	Current Model Year Or Newer, Ford F550 Regular Cab With 9 Foot Utility Body, As Specified, Or Equal	25	EA	\$90,416.00	\$2,260,400.00		2024 F550	see #7	Unknown
OPTIONS									
2a	Upgrade Chassis to Super Cab Chassis, retaining 60" Cab to Axle, as specified	25	EA	\$3,960.00	\$99,000.00				
2b	Upgrade Chassis to Crew Cab Chassis, retaining 60" Cab to Axle, As Specified	25	EA	\$4,995.00	\$124,875.00				
2c	Upgrade to Regular Cab Chassis with 84" Cab to Axle, As Specified	25	EA	\$1,320.00	\$33,000.00				
2d	Upgrade to Super Cab Chassis with 84" Cab to Axle, As Specified	25	EA	\$4,130.00	\$103,250.00				
2e	Upgrade to Crew Cab Chassis with 84" Cab to Axle, as Specified	25	EA	\$5,170.00	\$129,250.00				

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
2f	9' Aluminum Utility Body Upgrade Body Shell, as Specified	25	EA	\$4,200.00	\$105,000.00				
2g	11 Foot Body Upgrade, as Specified	25	EA	\$1,955.00	\$48,875.00				
2h	Maxon Liftgate, as Specified	25	EA	\$4,600.00	\$115,000.00				
2i	Flip Top Compartment both Street and Curbside for 9 Foot Utility Body, as Specified	25	EA	\$1,800.00	\$45,000.00				
2j	Flip Top Compartment both Street and Curbside for 11 Foot Utility Body, as Specified	25	EA	\$1,815.00	\$45,375.00				
2k	Raised Front Curbside Compartment for both 9 Foot and 11 Foot Utility Bodies (Bottle Gas Retainer Not Included), as Specified	25	EA	\$1,670.00	\$41,750.00				
2l	Bottle Retainer Compartment, as Specified	25	EA	\$3,260.00	\$81,500.00				

WINNER FORD

PROPOSAL DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.
2m	High Compartment Body, 9 Foot Utility Body, as Specified	25	EA	\$5,400.00	\$135,000.00				
2n	High Compartment Body, 11 Foot Utility Body, as Specified	25	EA	\$7,100.00	\$177,500.00				
2o	Subfloor with Full Height Tailgate, as Specified	25	EA	\$3,200.00	\$80,000.00				
2p	Transverse Compartment, as Specified	25	EA	\$7,525.00	\$188,125.00				
2q	C-Tech Drawer Unit for Standard Height Body, as Specified	25	EA	\$2,740.00	\$68,500.00				
2r	C-Tech Drawer Unit for 60" High Utility Body, as Specified	25	EA	\$4,060.00	\$101,500.00				
2s	Venco Ventura 4,000 LB. Electric Crane, as Specified	25	EA	\$33,100.00	\$827,500.00				
2t	Custom Rear Work Bumper, as Specified	25	EA	\$4,845.00	\$121,125.00				

PROPOSAL DOCUMENT REPORT

BID - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

WINNER FORD

PROPOSAL DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.
Zu	Ladder Rack, as Specified	25	EA	\$2,195.00	\$54,875.00				
Zv	E-Track Down Each Side of Body - 2" from Top of Compartments, As Specified or Equal	25	EA	\$365.00	\$9,125.00				
Zw	Four (4) 2' X 12" Ratchet Straps, As Specified	25	EA	\$80.00	\$2,000.00				
Zx	BASF Spray Liner on Floor of Compartments, as Specified	25	EA	\$1,590.00	\$39,750.00				
Zy	Whelen LED Liberty II Solo IX 48" Light Bar, as Specified	25	EA	\$5,400.00	\$135,000.00				
Zz	Light Color Option for Liberty II Solo IX 48" Light Bar	25	EA	\$1.00	\$25.00				
Zaa	Emergency Lighting Split Red Blue Body Lights, as Specified	25	EA	\$1.00	\$25.00				
Zbb	Trailblazer 302 Air Pak, as Specified	25	EA	\$44,100.00	\$1,102,500.00				
Zcc	Winch, as Specified	25	EA	\$5,260.00	\$131,500.00				

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PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.:
Zdd	Air Compressor, 150 CFM, as Specified	25	EA	\$22,135.00	\$553,375.00				
Zee	Pioneer Flood Light Head - Model PFP2P1, or Equal, as Specified	25	EA	\$2,790.00	\$69,750.00				
Zfh	Cast Iron Mechanics Vise on Removable Plate with Receiver Type Hitch, as Specified	25	EA	\$1,175.00	\$29,375.00				
Zgg	Husky 815-Piece Mechanic's tool Set, as Specified	25	EA	\$3,400.00	\$85,000.00				
Zhh	Truck Steel Air/Hydraulic Service Jack, as Specified	25	EA	\$3,500.00	\$87,500.00				
Zii	1700 Peak Amp 12 Volt Jumper Starter, as Specified	25	EA	\$415.00	\$10,375.00				
Zjj	Booster Jump Set, as Specified	25	EA	\$475.00	\$11,875.00				
Zkk	Road Department Paint Color Scheme, as Specified	25	EA	\$3,500.00	\$87,500.00				

PROPOSAL DOCUMENT REPORT
 Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS
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WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery/ A.R.O.:
211	Vehicle Special Order Paint Colors Not on the Standard Color Chart, as Specified	25	EA	\$660.00	\$16,500.00				
2mm	EMPAK A30GBW, as Specified	25	EA	\$30,440.00	\$761,000.00				
2nn	Inverter, as Specified	25	EA	\$4,840.00	\$121,000.00				
2oo	Go-Lights, Model 3024, as Specified	25	EA	\$2,310.00	\$57,750.00				
2pp	Readily Detachable Western Snow Plow System, as Specified	25	EA	\$9,235.00	\$230,875.00				
2qq	Poly Electric Spreader, as Specified	25	EA	\$8,690.00	\$217,250.00				
2rr	Pipe Wise on Removable Plate With Receiver Type Hitch, as Specified	25	EA	\$1,165.00	\$29,125.00				
2ss	Diagnostic Tools / Test Equipment, as Specified	3	SET	\$7,500.00	\$22,500.00				
2tt	Two-Way Radio Power and Wiring Requirements for New Vehicles, as Specified	25	EA	\$360.00	\$9,000.00				

PROPOSAL DOCUMENT REPORT
 Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS
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WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.:
2uu	Installation of County Supplied Two Way Radio and Accessories, as Specified	25	EA	\$600.00	\$15,000.00				
2vv	Technical Support, as Specified	180	HR	\$1.00	\$180.00				
TOTAL					\$8,821,255.00				

ITEM #3 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.:
3	Current Model Year Or Newer, Ford F550 Regular Cab With Enclosed Utility Service Body, As Specified, Or Equal	25	EA	\$103,357.00	\$2,583,925.00		Z024 Ford F550	See #7	Unknown
OPTIONS									
3a	Upgrade Chassis to Super Cab Chassis, retaining 60" Cab to Axle, as specified	25	EA	\$3,960.00	\$99,000.00				

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
3b	Upgrade Chassis to Crew Cab Chassis, retaining 60" Cab to Axle, As Specified	25	EA	\$4,995.00	\$124,875.00				
3c	Upgrade to Regular Cab Chassis with 84" Cab to Axle, As Specified	25	EA	\$1,320.00	\$33,000.00				
3d	Upgrade to Super Cab Chassis with 84" Cab to Axle, As Specified	25	EA	\$4,130.00	\$103,250.00				
3e	Upgrade to Crew Cab Chassis with 84" Cab to Axle, as Specified	25	EA	\$5,170.00	\$129,250.00				
3f	Medium Height Enclosed Body Upgrade, as Specified	25	EA	\$1,400.00	\$35,000.00				
3g	High Height Enclosed Body Upgrade, as Specified	25	EA	\$1,900.00	\$47,500.00				
3h	11 Foot Low Height Enclosed Body Upgrade For Use With 84" CA Chassis, as Specified	25	EA	\$2,500.00	\$62,500.00				

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 Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS
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PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery A.R.G.
3i	11 Foot Medium Height Enclosed Body Upgrade For Use With 84" CA Chassis, as Specified	25	EA	\$3,160.00	\$79,000.00				
3j	11 Foot High Height Enclosed Body Upgrade For Use With 84" CA Chassis, as Specified	25	EA	\$3,900.00	\$97,500.00				
3k	Aluminum Body Upgrade from Steel, As Specified	26	EA	\$4,825.00	\$125,450.00				
3l	Medium Height Enclosed Body Upgrade, as Specified	25	EA	\$4,900.00	\$122,500.00				
3m	High Height Enclosed Body Upgrade, as Specified	25	EA	\$4,950.00	\$123,750.00				
3n	11 Foot Medium Height Enclosed Body Upgrade For Use With 84" CA Chassis, as Specified	25	EA	\$7,000.00	\$175,000.00				

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PROPOSAL DOCUMENT REPORT
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 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.:
3o	11 Foot High Height Enclosed Body Upgrade For Use With 84" CA Chassis, as Specified	25	EA	\$6,850.00	\$171,250.00				
3p	Side Access Doors In Roof, as Specified	25	EA	\$2,200.00	\$55,000.00				
3q	Bottle Retainer Compartment, as Specified	25	EA	\$5,050.00	\$126,250.00				
3r	BASF DTE Liner AXALTA, as Specified	25	EA	\$1,460.00	\$36,500.00				
3s	Whelen 900 Series Super LED Scene Lights, as Specified	25	EA	\$800.00	\$20,000.00				
3t	Inverter, as Specified	25	EA	\$4,840.00	\$121,000.00				
3u	BASF Spray Liner on Floor and Sides of Cargo Area, as Specified	25	EA	\$665.00	\$16,625.00				
3v	BASF Spray Liner on Floor of Compartments, as Specified	25	EA	\$1,590.00	\$39,750.00				
3w	Hide-A-Way Bumper Crane, as Specified	25	EA	\$11,600.00	\$290,000.00				

PROPOSAL DOCUMENT REPORT
 Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS
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WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery A.R.C.
3x	Whelen LED Liberty II Solo IX 48" Light Bar, as Specified	25	EA	\$4,010.00	\$100,250.00				
3y	Light Color Option for Liberty II Solo IX 48" Light Bar	25	EA	\$1,250.00	\$31,250.00				
3z	Emergency Lighting LED Body Lights, as Specified	25	EA	\$1.00	\$25.00				
3aa	Maxon Liftgate, as Specified	25	EA	\$4,600.00	\$115,000.00				
3bb	Subfloor, as Specified	25	EA	\$2,800.00	\$70,000.00				
3cc	Transverse Compartment, as Specified	25	EA	\$6,195.00	\$154,875.00				
3dd	C-Tech Drawer Unit, as Specified	25	EA	\$3,020.00	\$75,500.00				
3ee	Air Compressor, 70 CFM, as Specified	25	EA	\$19,110.00	\$477,750.00				
3ff	Air Compressor, 150 CFM, as Specified	25	EA	\$22,135.00	\$553,375.00				
3gg	Go-Lights, Model 3024, as Specified	25	EA	\$1,170.00	\$29,250.00				

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PROPOSAL DOCUMENT REPORT
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 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery A.R.O.
3hh	9' Readyly Detachable Western Snow Plow System, as Specified	25	EA	\$9,235.00	\$230,875.00				
3if	Road Department Paint Color Scheme, as Specified	25	EA	\$3,500.00	\$87,500.00				
3ij	Winch, as Specified	25	EA	\$5,260.00	\$131,500.00				
3kk	Husky 815-Piece Mechanic's tool Set, as Specified	25	EA	\$3,400.00	\$85,000.00				
3ll	Truck Steel Air/Hydraulic Service Jack, as Specified	25	EA	\$3,500.00	\$87,500.00				
3mm	1700 Peak Amp 12 Volt Jumper Starter, as Specified	25	EA	\$415.00	\$10,375.00				
3nn	Booster Jump Set, as Specified	25	EA	\$475.00	\$11,875.00				
3oo	Special Paint Colors Not On the Standard Color Chart, as Specified	180	EA	\$660.00	\$118,800.00				
3pp	Diagnostic Tools / Test Equipment, as Specified	3	SET	\$7,500.00	\$22,500.00				

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PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery A.R.O.
3qg	Two-Way Radio Power and Wiring Requirements for New Vehicles, as Specified	25	EA	\$360.00	\$9,000.00				
3rt	Installation of County Supplied Two Way Radio and Accessories, as Specified	25	EA	\$600.00	\$15,000.00				
3ss	Technical Support, as Specified	180	HR	\$1.00	\$180.00				
TOTAL					\$7,235,255.00				

ITEM #4 - CURRENT MODEL YEAR, OR NEWER FOR F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery A.R.O.
4	Current Model Year, Or Newer, Ford F550 Regular Cab With Platform Body, As Specified, Or Equal	10	EA	\$782,870.00	\$7,828,700.00		2024 F550	see #7	unknown
OPTIONS									
4a	Upgrade Chassis to Super Cab Chassis, retaining 60" Cab to Axle, as specified	10	EA	\$3,960.00	\$39,600.00				

WINNER FORD

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
4b	Upgrade Chassis to Crew Cab Chassis, retaining 60" Cab to Axle, As Specified	10	EA	\$4,995.00	\$49,950.00				
4c	Upgrade to Regular Cab Chassis with 84" Cab to Axle, As Specified	10	EA	\$1,320.00	\$13,200.00				
4d	Upgrade to Super Cab Chassis with 84" Cab to Axle, As Specified	10	EA	\$4,130.00	\$41,300.00				
4e	Upgrade to Crew Cab Chassis with 84" Cab to Axle, as Specified	10	EA	\$5,170.00	\$51,700.00				
4f	Upgrade to Regular Cab Chassis with 108" Cab to Axle, As Specified	10	EA	\$1,810.00	\$18,100.00				
4g	Upgrade to 12' 3" Platform Body with Removable Stake For Use With 84" CA Chassis, as Specified	10	EA	\$6,300.00	\$63,000.00				
4h	Thieman TT Liftgate, as Specified	10	EA	\$7,600.00	\$76,000.00				

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 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery A.R.O.:
4i	Thienah Stow-Away Standard Tailgate Liftgate, as Specified	10	EA	\$7,000.00	\$70,000.00				
4j	Under Body Hoist For Dumping Capabilities, as Specified	10	EA	\$8,500.00	\$86,000.00				
4k	Dump-Through Liftgate, as Specified	10	EA	\$9,900.00	\$99,000.00				
4l	40" Stake Sides (9' 3" Body), as Specified	10	EA	\$4,710.00	\$47,100.00				
4m	40" Stake Sides (12' 3" Body), as Specified	10	EA	\$5,610.00	\$56,100.00				
4n	Color Option for 40" Stake Sides, as Specified	10	EA	\$2,790.00	\$27,900.00				
4o	52" Stake Sides (9' 3" Body), as Specified	10	EA	\$5,615.00	\$56,150.00				
4p	52" Stake Sides (12' 3" Body), as Specified	10	EA	\$6,635.00	\$66,350.00				
4q	Color Option for 52" Stake Sides, as Specified	10	EA	\$2,790.00	\$27,900.00				

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Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery A.R.O.:
4r	40" Grain Sides (9' 3" Body), as Specified	10	EA	\$5,225.00	\$52,250.00				
4s	40" Grain Sides (12' 3" Body), as Specified	10	EA	\$5,500.00	\$55,000.00				
4t	Color Option for 40" Grain Sides, as Specified	10	EA	\$290.00	\$2,900.00				
4u	52" Grain Sides (9' 3" Body), as Specified	10	EA	\$7,600.00	\$76,000.00				
4v	52" Grain Sides (12' 3" Body), as Specified	10	EA	\$8,000.00	\$80,000.00				
4w	Color Option for 52" Grain Sides, as Specified	10	EA	\$2,790.00	\$27,900.00				
4x	Light Package 1, as Specified	10	EA	\$3,300.00	\$33,000.00				
4y	Light Package 2, as Specified	10	EA	\$3,850.00	\$38,500.00				
4z	Go Light Work Lights, Model 3000AST, as Specified	10	EA	\$5,400.00	\$54,000.00				
4aa	H-Pack Tool Box, as Specified	10	EA	\$6,705.00	\$67,050.00				

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 MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model:	Warranty:	Delivery, A.R.O.:
4bb	30" Under Body Tool Box, as Specified	10	EA	\$1,560.00	\$15,600.00				
4cc	48" Under Body Tool Box, as Specified	10	EA	\$1,565.00	\$15,650.00		weatherguard 648-0-02		
4dd	Air Compressor, 70 CFM, as Specified	10	EA	\$19,110.00	\$191,100.00				
4ee	Air Compressor, 150 CFM, as Specified	10	EA	\$22,135.00	\$221,350.00				
4ff	Whelen LED 54" Light Bar, as Specified	10	EA	\$5,600.00	\$56,000.00				
4gg	9' Readily Detachable Western Snow plow System, as Specified	10	EA	\$9,235.00	\$92,350.00				
4hh	Trailblazer 325 Air Pak, as Specified	10	EA	\$44,100.00	\$441,000.00				
4ii	Road Department Paint Color Scheme, as Specified	10	EA	\$3,500.00	\$35,000.00				
4jj	Slide Bar With Straps, as Specified	10	EA	\$1,010.00	\$10,100.00				

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Make/Model	Warranty	Delivery, A.R.O.
4kk	Stainless Steel V-Box Hydraulically Operated Hydraulics, as Specified	10	EA	\$44,200.00	\$442,000.00				
4ll	Diagnostic Tools / Test Equipment, as Specified	3	SET	\$7,500.00	\$22,500.00				
4mm	Two-Way Radio Power and Wiring Requirements for New Vehicles, as Specified	10	EA	\$360.00	\$3,600.00				
4nn	Installation of County Supplied Two Way Radio and Accessories, as Specified	10	EA	\$600.00	\$6,000.00				
4oo	Technical Support, as Specified	180	HR	\$1.00	\$180.00				
TOTAL					\$3,711,250.00				

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM, INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL

PROPOSAL DOCUMENT REPORT

Bid - MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS		
Current Model Year, or newer Ford F550 Regular Cab with Steel Dump Body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dual Rear Wheels, Four Wheel Drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
60" Cab to Axle (CA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.3L V8 gasoline engine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 gallon fuel tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TorqShift transmission with PTO option 19,000 lb. GVWR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab shall be military grade aluminum alloy for longevity to the County in lieu of carbon steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame shall be fully boxed under cab and "C" channel behind cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil life monitor, engine hour and engine idle hour meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Conditioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Airbags, frontal driver & passenger, side impact and side air curtains	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TowCommand integrated trailer brake controller, manual telescoping trailer tow mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 wire trailer wiring harness (no plug)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AM/FM radio, SYNC4 Enhanced voice recognition communication and entertainment, 911 Assist, AppLink 4-2" LCD Center Screen, One (1) Smart charging USB Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power windows, locks, mirrors, and heated mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center High Mount Stop Lamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
240 amp HD alternator, 12V 750 CCA battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tilt and telescoping steering wheel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.88 ratio limited slip axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 wheel power ABS brakes, front and rear disc, power steering, front and rear stabilizer bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quad-beam jewel-effect halogen headlamps, five (5) roof marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LT225/70R19.5G BSW Traction tires – six (6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) full sized spare tire mounted to wheel and one (1) jack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome front bumper, front tow hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome hub covers, front bumper grill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Sliding Rear glass with defrost – sc/cc only	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Start	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Halogen Fog Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40/20/40 split vinyl bench seat with center arm rest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auxiliary power point, six (6) upfitter switches located overhead center		
Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interval windshield wipers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver & passenger grab handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard XL Rear view camera and prep kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auxiliary power point, six (6) upfitter switches located overhead center	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023

Adopted on: July 19, 2023

Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS (CONT'D)		
Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interval windshield wipers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver & passenger grab handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard XL Rear view camera and prep kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome hub covers front bumper/grill	<input type="checkbox"/>	<input type="checkbox"/>
3-year/36,000 mile bumper-to-bumper warranty on OE components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5-year/60,000 mile powertrain warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shift on the fly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab steps, molded black (running boards)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Snow plow prep package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single color to be selected from standard color chart at time of order	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undercoating – entire truck chassis, underside of cab and underside of added body (dump, utility, platform) shall be coated with Tectyl 2423 Haps Free Black, or Z Guard Product, a low VOC, High Solids, Emulsion Corrosion preventing coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>

STEEL DUMP BODY SPECIFICATION:

DUMP TBEI/ELIMINATOR

Dimensions:

- 10 ga. Steel Dump Body
- Length – 9'
- Width – 96"
- Inner side height – 17" high
- Inner tailgate height – 23" high
- Rated capacity: 3.3 cubic yard nominal (water level load)
- 4.5 cubic yards with 6" side extensions

Floor and Understructure:

Floor shall be seamless one piece design and material thickness 10 ga. high strength steel for minimal deflection in critical areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor sheet shall have two (2) 5/8" radius bends to complete 90° radius to finalize the transition from side to floor and uninterrupted look that will not hold back debris.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The minimum floor surface width is 82"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear edge of floor sheet is reinforced to prohibit deflection and maintain a positive, long lasting tailgate seal. The understructure to be of stacked structural design for maximum load support.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Longsills to be 5" structural C-channel, Cross sill shall be 3" I-beam, spaced approximately 16" apart and reinforced with gussets.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

STEEL DUMP BODY SPECIFICATION: (CONT'D)**Floor and Understructure: (Cont'd)**

Rear apron shall be 8" high, full-width design and made from 10 ga high strength steel, Rear apron to include 3 FMVSS 108 compliant clearance lamps mounted in shock resistant rubber grommets to maximize bulb life.

Body Front & Side:

Front shall be fabricated from 10 ga. Steel.

Front to be seamless one piece design with triple bend top rails for long term durability.

Working height of front shall be 24" above floor, which matches rear tailgate.

Full height front corner posts shall include clearance lights at each corner to comply with FMVSS 108 safety standards.

Sides include two (2) 6" wide vertical braces per side, with continuous weldment to side and top and bottom rail for additional strength.

Full depth rear corner posts to be 11.6" wide and 5" deep with hardware concealed for a clean streamlined look.

Double walled design, single-walled **NOT ACCEPTABLE**.

Sides are equipped with front and rear 6" board pockets with retaining holes, board pockets are designed for 2" nominal lumber

Tailgate:

Shall be fabricated from 10 gauge steel with fully boxed dirt shedding top and bottom rails and incorporates 2 vertical braces to provide additional strength and rigidity.

Tailgate shall be recessed flush with rear edge of corner post

Tailgate shall be of double acting design incorporating Rugby's patented E-Z LATCH system with cam action to draw in annoying miss-aligned upper tailgate pins.

E-Z LATCHES are easily accessible from the ground and are located on sides of left and right corner posts to promote operator safety, center latches are not acceptable.

Latch system is permanently connected to the body, so that tailgate pins cannot be stolen or lost. Latch system does not have an internal linkage that would require the removal of panels to repair or replace.

The lower tailgate latch release handle is located at the left front corner of the body for quick access

Tailgate top pins are 1.25" and bottom pins are 1.00" diameter

Shall include 1/4" proof coil chain and banjo eye slotted holders in corner posts to allow the tailgate to lay flush with the floor and for spreading applications.

Lights/Wiring:

All lamps/reflectors exceed FMVSS 108 requirements.

Lamps shall be LED flush mounted in shock resistant rubber grommets to maximize bulb life.

Introduced on: July 19, 2023
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ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

STEEL DUMP BODY SPECIFICATION: (CONT'D)

Lights and Wiring: (Cont'd)

Each rear corner post shall include a rear facing auxiliary stop/turn lamp LED for improved visibility and operator's safety.

Color-coded wire harnesses are provided to minimize installation time and simplify diagnosis.

Body up light in cab.

Cabshield:

1.27 Fabricated from 10 ga. steel, slotted viewing window. Design to be ½ cabshield and non tapered.

Hoist: SR4020

Rugby's SR series line of subframe scissor hoists are designed to reduce installation time and make hoist application easier. Built with an incorporated body prop and table top rear hinge, subframes are available to accommodate 60" CA and 84" CA chassis.

NTEA rated and classified class 40; ISO Certified.

The hoist shall be an NTEA approved scissor design. Approx weight: 650 #

Hoist shall be fabricated of high strength steel.

Single Cylinder

Bore 5.5"

Stroke 20"

Mounting Height 10.5"

CA./CT 60" – 108"

Capacity Range 9.6 – 13.3 Tons

Hydraulically operated run off the chassis PTO

ACCESSORIES

Sleeve adapter Part # HCZ-19H282-A, or equal

Manual pull tarp system with mesh tarp

Pintle plate ¾" thick with:

- Class V receiver hitch
- Pollak 7 pole RV style harness and twist and lock plug
- (Harness Part #11-998, or equal/7-Way Plug Part # 11-916P, or equal)
- 102 dB Preco backup alarm
- 3-ball receiver tube 1 7/8", 2", 2 5/16" locking hitch pin
- 6-ton receiver mount pintle & 2" ball combination hitch

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ACCESSORIES (Cont'd)		
Two (2) pull out ladders mounted behind the cab. Grab handle mounted to work in conjunction with ladders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stone shields and mud flaps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED strobe system: <ul style="list-style-type: none"> • Four (4) oval strobe lights to be mounted in cab shield • Two (2) facing forward • One (1) on each side of cab shield • Two (2) facing rear in rear corner posts 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6" high oak boards covered in aluminum diamond plate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED spreader light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spreader chain kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DOT safety kit, first aid kit, 10 lb. fire extinguisher with bracket and safety triangles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Amber Atomic LED Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conspicuity enhancement: <ul style="list-style-type: none"> • 2" red and white diamond grade reflective striping • 6" red and yellow inverted V in face of tailgate 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>OPTIONS</u>		
<u>1A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1C. Upgrade to Regular Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1D. Upgrade to Super Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1E. Upgrade to Crew Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1F. Fold Down Sides on Standard Dump Body</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1G. Stainless Steel Body Upgrade Dimensions</u>		
DynaPro by DeJana fixed side steel dump body, as specified or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Material: stainless steel, specifically ASTM A240 type 201 stainless steel <small>Introduced on: July 19, 2023</small> having a minimum yield strength of 52,900 psi. <small>Approved on: July 19, 2023</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<small>Official Resolution#: 2023001023</small>		

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

OPTIONS (Cont'd)**1G. Stainless Steel Body Upgrade Dimensions (Cont'd)****Finish**

2B cold rolled standard surface finish, free of scratches & surface defects on all exterior visible surfaces.

Dimensions/Capacity

- Body Length: 9' in length
- Body Width: 95.7" exterior width, 85.7" interior usable width.
- Side Height: interior wall height of 16"
- Head Sheet Height: 23" interior head sheet height, all models.
- Tailgate Height: exterior tailgate height of 24.6". Interior tailgate height of 21.3"
- Dump body capacity (water level loading): 9' x 16" side height; 3.2 cubic yards.

Materials/Construction: Body Sides and Head Sheet

The dump body sides shall be fixed in place and fabricated from 10-gauge inner panel/ 12-gauge outer panel ASTM A240 type 201 stainless steel having a minimum yield strength of 52,900 psi.

The dump body head sheet shall be fabricated from ASTM A240 type 201 stainless steel having a minimum yield strength of 52,900 psi.

Dump body side lower rub rails shall have a 45° slope for a self-cleaning design

Dump body upper top rails shall have a 31° slope as a dirt & debris shedding feature.

The fixed dump body sides shall be a double-walled design and have front and rear boxed corner posts.

Materials/Construction: Body Sides and Head Sheet (Cont'd)

The dump body sides shall have 6" tall formed 10-gauge steel board pocket extensions welded in place. Approximate 4.2 cubic yard heaped load

All welds on sides and head sheet shall be "continuous" to prevent entrance and entrapment) of moisture.

Materials/Construction: Floor & Understructure

The one-piece dump body floor sheet shall be 3/16" AR400F abrasion resistant carbon steel plate having a minimum yield strength of 150,000 psi.

The dump body floor shall have a minimum 45-degree angle debris shedding chamfer at the side walls and the side wall sheets shall lap the floor sheet by approximately 2"

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1G. Stainless Steel Body Upgrade Dimension (Cont'd)

Materials/Construction: Floor & Understructure (Cont'd)

The understructure shall be a crossmember-less boxed trapezoidal longsill design, with 10-gauge steel longsills. Longsills to be 8" in height, and continuously welded in order to unitize the body structure.

The rear of the dump body shall be reinforced with a full width skirt panel supporting the rear of the floor and welded to both the longsills and rear corner posts.

Materials/Construction: Tailgate & Cabshield

The double-walled tailgate shall be 10-gauge inner panel/ 12-gauge outer panel ASTM A240 type 201 stainless steel having a minimum yield strength of 52,900 psi.

The tailgate upper and lower rails shall be sloped 45° for self-cleaning.

Tailgate and rear corner posts to be sloped inwards by 6° for a sleek appearance and to aid in self-closing against the upper tailgate pin sockets.

The tail gate shall also have fully boxed end sections for added strength and incorporate 1-1/4" diameter upper & lower tailgate pins.

Double chain guide pockets on each side of the tailgate. 5/16" transportation grade chain with sleeving to protect the body surface finish.

There will be sufficient chain to allow the tailgate to lay flat (flush) with the dump body floor when hinged open at the bottom.

Dump body rear corner posts shall have "banjo eye" slotted chain keepers.

The lower tailgate latches shall be retractable type safety latches and incorporate a "toe keeper" feature.

The lower tailgate latches shall stay locked via a control rod lever and a manual over-center release lever located at the roadside front of the body.

The upper tailgate latches shall be independent and manually operated via hinged capture clamps. A sliding rod lock shall be used on both upper latches to positively lock and secure the tailgate in place.

Tarp rod accommodation hooks built into the tailgate upper latch mount plates.

The cab shield shall be 10-gauge ASTM A240 type 201 stainless steel having a minimum yield strength of 52,900 psi.

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1G. Stainless Steel Body Upgrade Dimension (Cont'd)

Materials/Construction: Tailgate & Cabshield (Cont'd)

The cab shield shall be 95.5" inches wide, of a straight-sided design, and shall project over the cab a nominal 22" 1/2 cab. ☒ ☐

The cab shield shall be modular in design and easily service replaceable. ☒ ☐

A ventilated window shall be cut into the center of the cab shield bulkhead sheet. ☒ ☐

Hoist/Subframe

The scissor hoist shall meet NTEA Class D/40 performance requirements. ☒ ☐

A suitable full-length support subframe with tabletop rear hinge blocks shall be provided. ☒ ☐

The scissor hoist shall have an integral safety body prop and have grease zerk accommodations at all points of rotational motion. ☒ ☐

Scissor hoist range of motion to be a maximum dump angle of 50° ☒ ☐

The hoist cylinder shall be a single-stage 5.5" diameter housing x 16" stroke ram with a 2" diameter chrome moly piston rod. ☒ ☐

Hoist operating capacity by design to be a maximum of 11.4 tons (9' body, 6" overhang) ☒ ☐

Hoist to be operated by direct mount PTO and pump. PTO must be a Chelsea 210 with direct mount pump and 9 gallon reservoir providing up to 4 gallons per minute. ☒ ☐

Shall be operated by a rocker switch on the dash ☒ ☐

Finish

Painted to match cab; base coat/clear coat ☒ ☐

1H. Stainless Steel Fold Down Sides for Stainless Steel Body Option ☒ ☐

1I. Body Paint Option for Stainless Steel Body Upgrade

Body finish color shall match cab color, base coat and clear coat. ☒ ☐

1J. Central Hydraulic System Hydraulic Pump

Hydraulic pump and PTO shall be a Chelsea 210 series. ☒ ☐

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The pump shall be a Chelsea 210 pump that is direct mounted to a hotshift PTO for a live transmission with gasoline engine ☒ ☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (CONT'D)</u>		
<u>1.J. Central Hydraulic System Hydraulic Pump (Cont'd)</u>		
The pump shall have a flow rate of 10.6 GPM at 1200 engine RPM The pump shall have a ¾" 11T splined drive shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The suction hose to the pump shall be a minimum of 1 ¼" I.D. SAE 100-R4 hose	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The PTO shall be a Parker/Chelsea 210 series and have a ratio of 144%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heat shield to protect PTO wiring	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The PTO shall be engaged/disengaged from the cab by a dash mounted 12VDC on/off switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In power over speed protection required	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Modular Manifold Central Hydraulic System</u>		
The central hydraulic valve system shall be a mobile design to withstand exposure to deicing chemicals and severe weather conditions with a 5-year warranty on all hydraulic components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The central hydraulic valve system shall be specifically designed for low volume hydraulic pump output	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All implements will function simultaneously	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The modular manifold must be constructed of 6061 anodized aluminum material	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The modular manifold shall be adjustable to a maximum pressure of 3,500 PSI with multiple flow and pressure performance and with function configuration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The modular manifold will consist of multiple sections bolted together for multiple function configurations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The entire hydraulic system shall be completely serviceable without removing from the enclosure or disassembling the sections	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A one-piece manifold will not meet the intent of the specification for easy maintenance and service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The modular manifold must be capable of operating in either open center (fixed displacement) or closed center (variable displacement) hydraulic circuits	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>I.J. Central Hydraulic System Hydraulic Pump (Cont'd)</u>		
<u>Modular Manifold Central Hydraulic System (Cont'd)</u>		
All functions will be proportional controlled, pulse width modulated, and pressure and flow compensated with counter-balance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each function will have load holding with no internal leak-down	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Implements shall not drift down during vehicle travel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy duty 12VDC coils must be protected with a corrosion resistant coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All coils must be rated for a 1000-hour salt spray as standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Connections must be NEMA x6 standards for dust protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside the cab connections shall be rated as NEMA "x8" – protected against the effects of permanent submersion in water as well as able to show no corrosion after 500 hours in a 35°C salt spray	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The modular manifold shall be designed for lower pump capacity hydraulic pumps (belt and gear)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each section will have flow capacities from 3 to 20 GPM with load holding on all cylinder sections	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All cylinder sections shall be load hold with A and B port relief as standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The hoist section shall be 6 GPM, four way for a double acting cylinder and incorporate a 500 PSI relief and load hold	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The spinner will be a 7 GPM motor spool cartridge and the auger/conveyor will be a 7 GPM motor spool cartridge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The spinner or auger will not stop or slow when other implements are actuated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each function will be equipped with adjustable manual overrides protected by jacketed debris covers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The hydraulic system shall be pressure and flow tested before the installation process	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1J. Central Hydraulic System Hydraulic Pump (Cont'd)

Granular Spreader and Single Stick Plow Controls

The spreader controls shall be capable of operating a granular spreader with auger/ conveyor, spinner and pre-wet (or anti-ice) output channels

Each function can be operated individually or all simultaneously

In-cab controller must be an automotive grade product (amusement/gaming type products are **NOT ACCEPTABLE**)

The liquid channel can operate an electric or hydraulic pre-wet system

Controller shall also have an optional dash mount, stand-alone, or console mounting options

Operator shall have the ability to adjust the speed of each function and the amount of granular material or liquid with the soft touch key pad

Printed PVC soft touch membrane switch interface shall be tested to 5 million impressions for long life and durability

Touch pad to control granular feed rate/spinner speed

All set-up and programming shall be completed using the controller soft key pad with no programming keyboard

Controller shall have the ability to connect the feed rate and spinner function for single stroke simultaneous start up

Controller must offer a "Spot Blast" feature. Spot Blast will activate the blast with a single keystroke when the controller is paused

Adjustable valve unseat mode must be a standard feature

Spinner increase during Blast shall be an adjustable option

Spreader control shall be capable of operating each function in open loop mode

With a single switch setting, spreader shall be field configurable to operate either:

- Ground Speed Oriented
OR
- No Ground Speed (simple manual operation)

Controller shall also offer Programmable Blast Features that will function during Ground Speed Triggered Operation

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>I.J. Central Hydraulic System Hydraulic Pump (Cont'd)</u>		
<u>Granular Spreader and Single Stick Plow Controls (Cont'd)</u>		
Controller must include integrated protection and diagnostic systems with safety features incorporated into the system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PowerSafe Wiring Design: For safety reasons, grounding or cutting any wire at any point between any valve coil and the controller must not cause any valve to actuate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One lead from each hydraulic valve coil must be wired to a common ground point	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System shall be capable of self-diagnosis using the pause indicator LED light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System must supply pulsed +12 volt power to the other lead from each individual valve coil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connections inside the hydraulic valve/electronic control junction box must be IP 68 rated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connectors shall be rated as “6x” – dust proof	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connectors shall be rated as “x8” – protected against the effects of permanent submersion in water as well as showing no corrosion after 500 hours in a 35°C salt spray	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System operating temperature range -4 to +104°F (-20° to +40°C)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connections shall be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cirus EZ1 Controller shall have a five (5) year warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Certified Cirrus Lamprey Plow/Hoist Controller</u>		
In-cab control system shall have one (1) fully proportional multi-function joystick	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Joystick shall be Hall Effect (magnetic) with no magnetic contacts (amusement/gaming joysticks are NOT ACCEPTABLE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoist joystick console shall mount to the center seat in the down position with Two (2) adjustable rods that slide into the head rest mounting holes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dash mounted momentary hoist switch shall be available when seat mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1J. Central Hydraulic System Hydraulic Pump (Cont'd)</u>		
<u>Certified Cirrus Lamprey Plow/Hoist Controller (Cont'd)</u>		
Dump body hoist shall be controlled by a single joystick	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoist control lever must have a safety trigger protection for the hoist function	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control lever will include a programmable plow float function (free-floating system requires a single acting valve)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operator shall have the ability to set the rate of speed for each direction of motion on a PC for all hydraulic devices controlled by the joystick without modification to the hydraulic system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controller shall include integrated protection and diagnosis systems with safety features incorporated into the system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel Safe: protects the system and helps diagnose external shorted or open circuits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SafeStik that shuts down the output channels if a joystick fails	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PowerSafe Wiring Design: For safety reasons, grounding or cutting any wire at any point between any valve coil and the controller must not cause any valve to actuate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) lead from each hydraulic valve coil must be wired to a common ground point	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System must supply pulsed +12 volt power to the other lead from each individual valve coil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connections at the hydraulic control junction box must be IP 68 rated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outside the cab harness will be IP 68 rated up to the valve coil connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connectors shall be rated as "6x" – dust proof	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connectors shall be rated as "x8" – protected against the effects of permanent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Submersion in water as well as showing no corrosion after 500 hours in a 35°C salt spray	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System operation temperature range -4 to +104°F (-20° to +40°C)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All connections shall be labeled with appropriate descriptions for each connection to individual solenoids on the hydraulic actuating cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>IJ. Central Hydraulic System Hydraulic Pump (Cont'd)</u>		
<u>Certified Cirus Lamprey Plow/Hoist Controller (Cont'd)</u>		
Installing vendor must be authorized to perform warranty repairs and periodic maintenance on Cirus products	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Stainless Steel Reservoir/Valve Enclosure</u>		
Valve sections and manifold shall be mounted in a 304 stainless steel combination reservoir and enclosure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall width of the combo shall not exceed 27.66 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enclosure shall be constructed in such a manner that any required maintenance or repair of the valves can be accomplished without obstruction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valve mount plate shall slide forward for work port access	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enclosure shall be mounted with a minimum of 1" frame clearance on each side of the combo	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reservoir shall have a 14 gallon capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reservoir/Valve Enclosure shall be designed to mount on either side of vehicle chassis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enclosure must have hydraulic hose hangers to route and protect hydraulic hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reservoir/Tank shall be constructed from 10 gauge 304 stainless steel with 0.25 inch steel bracing with 14 gauge cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reservoir filler cap must be angled for easy fill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two rubber latches shall secure the enclosure lid and the lid must be removable without tools by one person	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The rubber latches shall be replaceable with a removable pin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tank return line shall be mounted internally with case drain and level sensor ports available on both sides of tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tank shall have a basket type breather cap and 3/4" magnetic drain plug	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Suction line shall be 1 1/4" strainer NPT with 1 1/4" full flow brass ball valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Suction line shall also have a 100 mesh stainless steel strainer	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1J. Central Hydraulic System Hydraulic Pump (Cont'd)</u>		
<u>Stainless Steel Reservoir/Valve Enclosure (Cont'd)</u>		
Return line must be a minimum of 1 ¼" NPT with 10 micron filter and 25 psi bypass with gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Hoses and Fittings</u>		
Suction line between reservoir and pump shall be minimum of 1 ½" ID with a minimum SAE 100-R4 rating and shall be secured on both ends via heavy duty banding straps (radiator hose clamps are NOT ACCEPTABLE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure hoses, including signal sense to pump, shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Return lines and case drain shall have a minimum SAE 100-R1 rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasions, cutting or impact	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quick disconnects shall be stainless steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoses shall not be routed near exhaust manifold pipes, bolts, sharp edges and exhaust system to prevent wear, fatigue or fire	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pipe fittings are not acceptable in any high-pressure line	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maximum distance between support clamps on all hydraulic lines shall be 24 inches All hoses must be encased in high temperature fiberglass rubber sleeve by high heat areas or high wear areas, NO EXCEPTIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1K. Stainless Steel UTG Spreader General</u>		
6" auger under-tailgate spreader shall be of the bottom-opening design, with a safety shut off feature built into the hydraulic system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mounting shall allow the dumping of materials without interference from the spreader	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maximum spreader width shall be 96"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1K. Stainless Steel UTG Spreader General (Cont'd)</u>		
Mounting		
Unit shall mount to the sides and below the floor level of the dump box with single-pin, quick-detachable hardware	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mounting and removing shall be done without the use of any special tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Safety Shut Off		
Spreader shall incorporate a hydraulic safety shut-off feature that disables the hydraulic functions of the spreader	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Safety Shut-off feature shall prevent opening the bottom door or opening the top cover beyond a vertical position when the hydraulics are engaged	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Feed Mechanism		
6" heavy-duty auger shall consist of 3/8" flighting with 4" pitch which is welded to a 2 3/8" O.D. Schedule 40 pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auger shall have continuous and reverse flighting for more uniform emptying and shall be supported by 1 1/4" steel shaft ends	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auger shaft shall be supported on one end in sealed, self-aligning, precision single-row radial bearings with grease fittings and on the other end by the drive mechanism	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auger shall be powered with a 22.6 cubic inch displacement hydraulic motor capable of delivering high torque at low speeds mounted to the end plate and directly coupled to the auger by a non-corrosive UHMW polyethylene sleeve and a 1/2" Grade 5 bolt	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Discharge port shall be located 24" from the left end	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stainless Steel Hopper		
Rigid one-piece end plates of 7 gauge stainless steel shall be continuously welded to an auger trough of 7 gauge stainless steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall have a three-point hinged bottom pan that will expose the entire auger for easy clean out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bottom Pan shall be fabricated of 7 gauge stainless steel and held in place with two (2) heavy-duty cam locks with a lifting handle near each lock for ease of use	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1K. Stainless Steel UTG Spreader General (Cont'd)</u>		
<u>Stainless Steel Hopper (Cont'd)</u>		
Anti-spill cover over each discharge opening shall be of 7 gauge stainless steel and shall be removable without the use of tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lid shall be of 7 gauge stainless steel and shall be an integral part of the unit that may be raised when spreading or lowered when dumping	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lid shall be locked in position by two (2) latches that are replaceable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum inside width of the trough shall 10 7/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Poly Spinner Disc</u>		
Shall consist of a single 18" diameter polymer disc with six (6) formed polymer fins, to provide a flat trajectory and uniform spreading pattern from 4 to 40 feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Assembly shall be adjustable, allowing for variable spreading patterns left, center, or right by sliding the hinged frame sideways on the shaft so that the point at which the material hits the spinner disc is varied	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Assembly shall be adjustable in height, providing four (4) different ground clearance settings by means of four (4) bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Assembly shall be easily removed by pulling two pins and uncoupling two (2) hydraulic quick-disconnect hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Speed rate shall be variable through optional valve systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be mounted directly onto the hydraulic motor shaft by means of a steel spinner hub	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Motor shall be 2.8 cubic inches with nickel plated shaft for enhanced corrosion		
Resistance and improved seal life	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Assembly shall remain horizontal to the road at all dump box angles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shield shall be provided to prevent material from striking the truck	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1K. Stainless Steel UTG Spreader General (Cont'd)</u>		
Finish		
All carbon steel components shall be painted black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stainless steel components shall be left in their natural finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spill Shields		
Shall be made of steel and mounted to tailgate to stop any salt from spilling over the sides or the rear of the body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dump Accessibility		
NO hydraulic hoses or trough handles shall be above the surface of the spreader	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clean dumping surface must be provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1L. Dump-Through Liftgate</u>		
Anthony Liftgates Model #AR-DT 1800, or equal, dump-through liftgate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Durable roller chain drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marine duty potted toggle switch Pressure compensated flow valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Circuit protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Level ride platform 3-step powder coat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) year mechanical and Two (2) year electrical and hydraulic parts and labor warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90" platform width Cab cut off switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1M. I-Pack Tool Box</u>		
Knapheide I-Pack Tool Box mounted between cab and dump body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Painted to match cab color, base coat and clear coat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Requires chassis to have an 84" Cab to Axle measurement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stainless steel continuous hinges, no exception	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14 gauge Galvaneal shell, E-coat primer, and latches with ABS pans for superior corrosion resistance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 19, 2023		
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Official Resolution#: 2023001023		

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1N. ProTech Aluminum I-Pack with Stainless Steel Doors PN # 20-2737</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1O. 30" Under Body Tool Box</u>		
For use with chassis with 60" CA	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weatherguard Tread Plate Aluminum 631-0-02	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimensions: 30 1/8" x 18" x 18"; 5.4 cubic feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door opening: 13 1/2" H X 25 1/4" W Stainless steel D-handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1P. Stainless Steel V-Box General</u>		
<u>(NOTE: This option requires the <i>Central Hydraulic System</i>)</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
This specification describes a self-contained hopper spreader designed to spread free-flowing material up to 40 feet. Spreader consists of a steel hopper and spinner assembly, pintle-chain conveyor system, a choice of hydraulic or engine drive power systems and all components required to deliver maximum performance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Hopper</u>		
Shall be 9 ft, 44 in, and 70 in inside width	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper sides shall slope at a 45° angle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Capacity of the unit shall be 4.0 cubic yards struck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper sides and longitudinals shall be formed of one piece and shall all be of 12 gauge 201 stainless steel continuously welded on the inside of the hopper (Welding on the outside is NOT ACCEPTABLE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each hopper side shall be supported by three (3) full slope body side supports on each side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12-gauge 201 stainless steel front and rear panels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Top edge shall be double crimped for additional support	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjustable feed gate with a maximum opening of 4 1/2" x 9" shall be able to be clamped to allow for a positive gate setting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A heavy duty lift shall be supplied in each corner of the hopper	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1P. Stainless Steel V-Box General (Cont'd)</u>		
Conveyor		
Shall be of the chain barflight type Conveyor section of body shall be 16" wide	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pintle-type chain with a tensile strength of 12,500 lbs Cross bars to be ¼" x 1" welded on 4 5/8" centers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conveyor to be driven by a 20:1 ratio cast-bronze worm gear	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drive sprockets shall be drop-forged, six-tooth keyed to the minimum 1 ¼"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C1045 steel alloy drive shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Idler shaft shall be 1"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schedule 40 pipe, and shall be equipped with poly idler "sprockets"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain adjustment shall be accomplished with two (2) threaded block and rod assemblies	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor shall be 12-gauge 201 stainless steel of flange-type construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spinner Assembly		
Polyurethane spinner disc shall be 13" in diameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four (4) formed fins that will give a uniform trajectory from 4 to 40 feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have two (2) adjustable 201 stainless steel internal baffles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four (4) 201 stainless steel external overlapping baffles to control the direction and width of the spread	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All spinner baffles shall be adjustable without the use of tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inverted V		
A 12-gauge 201 stainless steel protective inverted-V shall be installed above the conveyor to reduce load pressure and prevent material bridging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Top Screens		
Two section center hinged top screen shall be provided to protect the conveyor chain and spinner from large objects	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES; VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 -- CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1P. Stainless Steel V-Box General (Cont'd)</u>		
<u>Top Screens (Cont'd)</u>		
Screen sections shall be made of 5/16" rods, with square opening of 2 1/2", and framed by flat bars, and angle iron steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Paint</u>		
All mild steel components shall be painted black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Spinner Assembly Motor</u>		
Shall be powered by an additional hydraulic motor, providing independent control over each motor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Hydraulics</u>		
Unit will be run off of the Central Hydraulic System which will have a key pad control to operate the speed of the conveyor and spinner	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit will run off of the live drive transmission. NO belt systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1Q. Spreader Leg Stand Kit PN #3037295</u>		
Accommodates 10' spreaders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1R. Air Compressor, 70 CFM</u>		
VMAC VR70 Underhood Rotary Screw Compressor 70 CFM, 175 PSI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 gallon receiver tank Control panel Throttle control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter/Regulator/Lubricator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relief/Shut-Off valves with all required fittings Hose Reel: 50' of 1/2" I.D. air line	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1S. Air Compressor, 150 CFM</u>		
VMAC VR150 Underhood Rotary Screw Compressor 150 CFM, 175 PSI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 gallon receiver tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control panel Throttle control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter/Regulator/Lubricator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relief/Shut-Off valves with all required fittings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hose Reel: 50' of 1/2" I.D. air line	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1T. Go-Lights, Model 30264</u>		
Go Light Stryker Work Lights (Up to two (2) per vehicle)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Permanently mounted on brackets on I-Pack tool box (<i>I-Pack tool box Option MUST be selected</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6000 maximum lumens	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 amp draw	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9-32 VDC input	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1U. 9' Readily Detachable Western Snow Plow System</u>		
<u>Blade Assembly</u>		
Moldboard – 12 gauge (0.104") steel sheet formed to a 17.3" radius with a 1.76" diameter top curl	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ribs – Eight (8), 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Torsion Tube – 2" diameter, full width, electrically welded to all eight ribs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cutting Edge – Reversible 0.5" x 6" high carbon steel C1080 attached with ten (10) 0.63" Grade 5 carriage bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Disc Shoes – Two (2), full rotation, height adjustable, Austempered Ductile Iron shoes with integral 1" diameter shaft secured to blade with lynch pins.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shoe brackets shall be welded to vertical ribs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blade Trip – 50° full blade trip	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Blade Assembly</u>		
Trip Springs – Four (4), 2.38" OD x 0.39" diameter, C1060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shock Absorbers – Two (2), 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blade Trip Pivot – Three (3) 0.75" diameter steel pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blade Guides – Two (2) highly visible, vinyl coated, spring wound, with replaceable flags	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1U. 9' Readily Detachable Western Snow Plow System (Cont'd)</u>		
Blade Assembly (Cont'd)		
Plow Angling – 30° right and left	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A-Frame		
Electrically welded, reinforced, 3" x 3" x 0.19" wall structural steel side tubes with 0.50" thick, formed nose plate, and integral attachments for angling rams to receive 1" diameter pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Chains – Two (2), 0.25" Grade 43 high test steel with 2,600 lb. working load limit, attached with 0.38" U-bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quadrant		
Electrically welded, reinforced, 5" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1" diameter pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A-Frame to Quadrant Angle Pivot – 1" diameter Grade 5 bolt	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Frame		
Lift frame to have provision for attachment of out front hydraulics and light kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Arm – 0.25" x 2" formed bar welded with a 7 gauge steel cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two Plow Stands – Self-storing and adjustable integrated into the plow attachment mechanism. Connecting hook and lever with integral 0.50" lock pin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Frame – Two piece lift frame with tubular construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lower lift frame to include drive in plow alignment horns	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mount		
Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Attached to truck with Grade 5 fasteners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vehicle, with mount attached, shall meet Federal Motor Vehicle Safety Standards by compliance or by vehicle manufacturing approval	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Removable receiver brackets for additional ground clearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>1U. 9' Readily Detachable Western Snow Plow System (Cont'd)</u>		
Paint		
Plow blade shall be made of shot blasted steel and cleaned with phosphate solutions and have baked-on red polyester powder coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulics		
Electric solenoid activated and detachable with lift	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front mounted hydraulic unit consisting of a fixed displacement gear pump, with 1750 PSI system relief, direct tang driven by a 4 ½" 12 volt DC motor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump with filter screen shall be immersed in a steel deep drawn reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main valve manifold shall contain three (3) side mounted and covered solenoid cartridge valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cushion relief valves set at 4,000 PSI and a quill adjustment screw to adjust blade drop speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) 1 ½" x 8" lift ram and two (2) 1 1/2" x 12" angling rams each with a rod seal, a wiper ring and a packing nut	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic hoses shall be ¼" steel braided SAE 100R1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic unit shall be controlled by a soft touch, hand held in-cab control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall be equipped with an on/off, mode buttons and indicator lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall be dash mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall provide a single button movement of angle right or left (hydraulically locked)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In-cab control shall be connected to valve manifold and to the motor through an auxiliary 12-volt multiplexed harness. Power and control harness to have quick disconnects and covers at the grill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall allow plow to be in float when lowered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall be a "low side" drive system, which provides positive potential continuously with a switched ground to control the solenoids	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>IU. 9' Readily Detachable Western Snow Plow System (Cont'd)</u>		
<u>Hydraulics (Cont'd)</u>		
Unit shall possess programmable security lockout feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable hydraulic soft stop feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable one touch float feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic fluid shall be MIL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cycle times: Lift, 2.0 seconds; Angle, 1.5 seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic unit shall stay with plow when plow is disconnected from truck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Lights</u>		
Night Hawk LED Head Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Headlights</u>		
Comprised entirely of light emitting diodes using solid optic elements for low beam and high beam lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A reflected LED light for the side lighting using EdgeView Technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DRL/Park lights using white lights behind a frosted filter, turn signal utilizing amber lights behind the same frosted filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Plow Removal</u>		
Blade assembly, A-Frame, Quadrant, Lift Frame with hydraulic unit, shall be easily removed as one complete unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Accessories with Plow</u>		
Snow deflector	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Curb guard right and left	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab command Hand Held Control/Joystick (Shall be specified at time of order)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

OPTIONS (Cont'd)**1V. Poly Electric Spreader Dimensions**

- Outside Hopper 103" L
- Outside Hopper 63" W
- Overall Spreader 117" L
- Overall Spreader 51" H
- Capacity shall be 2.5 cubic yards
- Empty Weight 734 lbs

Poly Hopper Construction

Shall be constructed of rotationally molded ¼" thick double walled polyethylene shell, 46° sloped sides with six (6) molded side support ribs

Molded rear "feet" for ease of removal, cleaning and storage

Shall include standard 2-piece hinged, double-walled, overlapping domed hard plastic covers that double as spill guards

Conveyor Drive Bed

Shall be 100% constructed of 10 gauge 201 stainless steel with a 16 ¾" wide pintle chain conveyor system

Dual Motor Drive

One motor shall be a sealed ½ HP – 12VDC capacity with an 11-tooth drive sprocket powering a #40 roller chain to gearbox which allows for independent pintle chain speed control

Separate 1/3 HP motor dedicated to power a belt driven spinner shall allow for independent spinner speed control

Gear Box

Gearbox shall be 20:1 reduction and driven by #40 heavy-duty drive chain with a 55-tooth drive sprocket

Chute Assembly

Dual wall poly chute assembly shall be a two (2) position adjustable design to accommodate dump body applications

Assembly shall include a 1/3 HP motor dedicated to power a belt driven spinner

Assembly is designed for one piece, no tools, removal for quick detach and Storage

Spinner disk shall be polyurethane, 15.5" in diameter, with four (4) flutes

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ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>IV. Poly Electric Spreader Dimensions (Cont'd)</u>		
<u>Chute Assembly (Cont'd)</u>		
Spread Width shall be approximately 2' to 40'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall include a wide fixed stainless deflector to protect truck bumper and under parts from the material being spread	<input checked="" type="checkbox"/>	<input type="checkbox"/>
An alternate license plate location shall be molded into the poly chute housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Feed Gate</u>		
Shall have a stainless steel lever/handle, spring loaded, with positive detent calibration, for accurate adjustment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Cab Control and Wiring System</u>		
Shall be fused to protect wiring, and have a blast feature for spot spreading and include self-diagnostic troubleshooting flash codes via LED's on control panel as well as audible indicators	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall have dual controls to independently control the conveyor and spinner speeds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Harnesses</u>		
Shall have multiplexed electrical system with no high current power cables routed into vehicle cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have two-piece harness with molded style connectors and covers routed to disconnect at the rear of the truck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CHMSL (Center High Mounted Stop Light) is provided as standard, and an accessory wire for optional work light shall also be included as standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Standard Features</u>		
Shall include heavy-duty top screen constructed from 1/4" diameter rod	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tent style top screens shall be angled at 15°	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper body shall have four (4) molded-in-poly tie-down loops	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>1W. Whelen Light Bar LED Liberty II Solo IX 48"</u>		
All modules filled with amber LED	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear traffic advisor with flashing capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 19, 2023 Approved by: July 19, 2023 Official Resolution#: 2023001023 Patterns Controller	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adopted lights and taken to 2023 shall be white Twelve (12) scan lock flash	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1X. Road Department Paint Color Scheme

(Note: Not all Vehicles will be painted this way)

School Bus Yellow from the bottom of the windows down ☒ ☐

Academy Blue #5240 from the bottom of the windows up to and including cab roof and back ☒ ☐

On hood from bottom of windshield to a point on the hood to make a “V” and match the road department fleet ☒ ☐

Shall be base coat clear coat ☒ ☐

1Y. Special Paint Colors Not On the Standard Color Chart ☒ ☐

1Z. Diagnostic Tools / Test Equipment

1. Successful bidder shall be required to supply between one (1) and three (3) complete sets of OEM testing/diagnostic/programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable) ☒ ☐

2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software ☒ ☐

3. Provide a list of all test/diagnostic/programming equipment and special tools 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 specified County Location ☒ ☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

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

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

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps
- #12 AWG BLACK wire connected to chassis ground
- #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps

Wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator. Wiring harness shall be clearly labeled “*TWO-WAY RADIO*”. Wires shall be unterminated. 12VDC sources shall be protected from making contact with grounded metal surfaces

IBB. 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.

ICC. Technical Support

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:

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 – 1 day at each location
5. Hydraulic system (dump body, spreader, snow plow) – 1 day at each location

Introduced on July 19, 2023

Adopted on July 19, 2023
 Official Resolution#: 2023001025
 6. Computer (dispatcher, sweeper, etc.) – 1 day at each location

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1CC. Technical Support (Cont'd)

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. Total training hours shall be provided and no additional compensation will be considered. Actual time to be spent on each area will be by mutual agreement of the Vehicle Services Department and the successful bidder

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

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

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS		
Current Model Year, or newer Ford F550 Regular Cab with 9 Foot Utility Body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dual Rear Wheels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four Wheel Drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
60" Cab to Axle (CA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.3L V8 gasoline engine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 gallon fuel tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TorqShift transmission with PTO option	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19,000 lb. GVWR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab shall be military grade aluminum alloy for longevity to the County in lieu of carbon steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame shall be fully boxed under cab and "C" channel behind cab for easy mounting of body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil life monitor, engine hour and engine idle hour meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Conditioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Airbags, frontal driver & passenger, side impact and side air curtains	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TowCommand integrated trailer brake controller, manual telescoping trailer tow mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 wire trailer wiring harness (no plug)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AM/FM radio; SYNC Enhanced voice recognition communication and entertainment, 911 Assist, AppLink 4-2" LCD Center Screen, One (1) Smart charging USB Port SYNC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power windows, locks, mirrors, and heated mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center High Mount Stop Lamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
240 amp HD alternator, 12V 750 CCA battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tilt and telescoping steering wheel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.88 ratio limited slip axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 wheel power ABS brakes, front and rear disc, power steering, front and rear stabilizer bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quad-beam jewel-effect halogen headlamps, five (5) roof marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LT225/70R19.5G BSW Traction tires – six (6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) full sized spare tire mounted to wheel and one (1) jack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome front bumper, front tow hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Sliding Rear glass with defrost – sc/cc only	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Start	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Halogen Fog Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40/20/40 split vinyl bench seat with center arm rest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auxiliary power point, six (6) upfitter switches located overhead center Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interval windshield wiper	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver & passenger grab handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Adopted on July 19, 2023
Official Resolution#: 2023001025

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS (Cont'd)		
Standard XL Rear view camera and prep kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3-year/36,000 mile bumper-to-bumper warranty on OE components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5-year/60,000 mile powertrain warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shift on the fly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab steps, molded black (running boards)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Snow plow prep package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single color to be selected from standard color chart at time of order	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undercoating – entire truck chassis, underside of cab and underside of added body (dump, utility, platform) shall be coated with Tectyl 2423 Haps Free Black, or Z Guard Product, a low VOC, High Solids, Emulsion Corrosion preventing coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UTILITY BODY SPECIFICATIONS		
Body Shell		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The compartment tops and backs shall be a one-piece seamless design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All door, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor		
The floor plate shall be constructed of a minimum of 12 gauge treadplate with a 1 3/8" return flange on each side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Understructure		
Cross sills shall be constructed from 11 gauge steel with 50,000 PSI minimum yield strength.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tailgate		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The tailgate shall be a minimum of 12" high and be a slammable style.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the open position, the tailgate shall be level with the cargo floor.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The tailgate shall not have any cables, chains, or bars to support it in the open position so it can be used as a work surface for objects wider than the tailgate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023
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Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
UTILITY BODY SPECIFICATIONS (Cont'd)		
Doors		
Shall be constructed of 20 gauge two-sided A40 Galvanneal steel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be double paneled with Expanded Foam Block reinforcements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges		
Corrosion resistant all stainless steel continuous hinges shall be installed to provide full length support for the doors and pry-proof security with a built-in weather shield.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
They shall be spot welded to the door frames and must be supported with a six year warranty, no exceptions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rotary Latches		
Nylon Housing Zinc Die Cast Chrome Finish, corrosion resistant rotary latches shall be secured to the door panels by three threaded studs attached to the back of the latch.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The latch must also have an internal cover to protect it from the contents of the compartment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rotary latches shall be slam-latchable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The latching cam shall be elongated to allow the latch to move vertically relative to the lockstrike to prevent torsional damage.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A microcellular urethane foam gasket shall be installed between the latch flange and the outer door skin to prevent moisture from entering the compartment behind the latch.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door Strikers		
Adjustable strikers shall be affixed to the door frames with screws (welded-on door strikers are not acceptable).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door Seals		
Automotive "bulb type" neoprene door seals shall be installed by the manufacturer of the body on all door frames (aftermarket not acceptable).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door Retainers		
Double springs over center door retainers shall be installed on all vertical doors.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door retainers must hold doors in positive open or closed position (other types of retainers, like cables or chains, are not acceptable on vertical doors).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
UTILITY BODY SPECIFICATIONS (Cont'd)		
Door Retainers (Cont'd)		
Horizontal doors shall be secured in an open position parallel to the ground by heavy duty chain retainers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The chain retainers must be easily removable so that the door can be opened to a full 180° to be able to access the compartment in tight areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shelving		
Shelves shall be constructed of 18 gauge bright spangled galvanized steel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All shelves shall have hemmed dividers on 4" centers:		
• 2 shelves 1st verticals		
• 1 shelf horizontal curbside		
• 2 shelves rear verticals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shelves must have a minimum capacity rating of 250 lbs., no exceptions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior Paint		
Shall be a mid-gloss, mar resistant, light gray finish.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undercoating		
The body shall be completely undercoated by the body manufacturer using a water based acrylic.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior Prime Paint		
The body shall be completely immersed in electrodeposition gray epoxy prime paint featuring a zinc phosphate precoat and seal for additional corrosion protection.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prime paint shall be oven cured to provide a hard, durable finish.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Final finish color shall match cab color, base coat clear coat.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Installation		
The manufacturer of the body shall supply a recommended installation process along with detailed installation instructions that conform to all applicable FMVSS standards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear body to chassis mounting brackets must incorporate bumper support as well as provide FMVSS 301 protection. Furthermore, the manufacturer of the body shall supply an owner manual describing the proper care and maintenance of the body to the County.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

UTILITY BODY SPECIFICATIONS (Cont'd)**Warranty**The following items shall be covered by a 6-year limited warranty, **no exceptions**:

- Continuous Door Hinges (Guaranteed not to fail to operate or come off)
- Latches and Lock Cylinders (Unconditional guarantee against failure)
- Shelves (Guaranteed not to fail in bending under a maximum 250 lb. rated load)
- Body shall have a no rust-through guarantee for six (6) years

LightingLighting shall meet all FMVSS standards. The wiring harness shall be encased in a plastic loom and all wires shall be colored for ease of troubleshooting. The wire harness must have connectors that make it compatible to the specified chassis without splicing. The stop/tail/turn/reverse built into the lights with amber strobes The stop/tail/turn and backup lights, with strobes built into lights, shall be installed on the rear of the body All Clearance, Marker, and RID lighting shall be LED type lighting. Incandescent Lighting in any of these areas is **NOT ACCEPTABLE** Compartment lighting must be LED, with one (1) horizontal and one (1) vertical light in each compartment fit to size All interior wiring must be retained by a mechanical fastening system (adhesive backs are not acceptable). Light guards shall be installed by the body manufacturer to provide protection for recessed stop/tail/turn and back up lights. The wiring harness must be protected too. **Miscellaneous**Sleeve Adapter HC3Z-19H282-A

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

UTILITY BODY SPECIFICATIONS (Cont'd)**Miscellaneous****Recessed Galva Grip Bumper:**

- Class V Receiver Hitch
- Pollak 7 pole RV style harness twist and lock plug (Harness 11-998, Plug 11-916P)
- Back up alarm 102 Db
- 3-ball receiver tube 1 7/8", 2", 2 5/16" locking hitch pin
- 6 ton receiver mount Pintle & 2" ball combination hitch Master Lock with Key coded locks to match ignition key

Pre-build meeting at vendor's facility to see how work will be completed.

Whelen Amber LED lights:

- Body upfitter must provide installation of lights so they work in conjunction with the equipment on the truck.
- Four (4) Micron Series Super LED in grille
- Two (2) on body sides, one (1) each side
- Four (4) rear of body - micron series Safety Back Rack

BASF DTE Liner AXALTA Coating Cargo Area and top of compartments

Atomic LED Amber Lighting

DOT safety kit, first aid kit, 10 lb. fire extinguisher with bracket and safety triangles

Conspicuity enhancement:

- 2" red and white diamond grade reflective striping on face of bumper
- 6" red and yellow inverted V on rear of body compartment face

OPTIONS**2A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle****2B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle****2C. Upgrade to Regular Cab chassis with 84" Cab to Axle****2D. Upgrade to Super Cab chassis with 84" Cab to Axle****2E. Upgrade to Crew Cab chassis with 84" Cab to Axle**

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2F. 9' Aluminum Utility Body Upgrade Body Shell</u>		
Shall be constructed of 0.09" Aluminum.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The compartment tops and backs shall half-box structure with continuously formed corners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Compartment bottom over the wheel to be constructed of 0.125" Aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Body Shell shall be supported by structural 6061 T6 Aluminum extrusions for durability	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All door, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor		
The floor plate shall be constructed of interlocking, extruded 6061 T6 Aluminum Planks with locking aluminum end rails and aluminum side rails with a 1 3/8" return flange on each side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Understructure		
Support shall be constructed entirely of extruded 6061 T6 Aluminum Alloy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tailgate		
Shall be constructed of 0.09" Aluminum multi-panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The tailgate shall be a minimum of 12" high and be a slammable style	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the open position, the tailgate shall be level with the cargo floor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The tailgate shall not have any cables, chains, or bars to support it in the open position so it can be used as a work surface for objects wider than the tailgate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Doors		
Shall be box structure, doubled paneled and constructed of 0.08" Aluminum with outer panel corners formed continuously	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>

OPTIONS (Cont'd)**2F. 9' Aluminum Utility Body Upgrade (Cont'd)****Hinges**

Corrosion resistant, all stainless steel, continuous hinges shall be installed to provide full length support for the doors, and pry-proof security with built-in weather shield

Shall be applied with structural adhesive and rivets to the door frames and shall be supported with a ten (10) year warranty

Rotary Latches

Injection molded glass and mineral unfused UV Resistant Nylon Housing, Zinc Die Cast, Chrome Finished latch

Corrosion resistant rotary latches shall be secured to the door panels by four (4) threaded studs attached to the back of each latch

The latch must also have an internal cover to protect it from the contents of the compartment

Rotary latches shall be slam-latchable

The latching cam shall be elongated to allow the latch to move vertically, relative to the lock strikes to prevent torsional damage

A microcellular urethane foam gasket shall be installed between the latch flange and the outer door skin to prevent moisture from entering the compartment behind the latch

Lock cylinders are to be flush mounted for additional security

Door Strikers

Adjustable strikers shall be affixed to the door frames with screws (welded-on door strikers are **NOT ACCEPTABLE**)

Door Seals

Automotive "bulb type" neoprene door seals shall be installed by the manufacturer of the body on all door frames (aftermarket **NOT ACCEPTABLE**)

Door Retainers

Nitrogen gas strut door retainers shall be install on all vertical doors

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2F. 9' Aluminum Utility Body Upgrade (Cont'd)

Door Retainers (Cont'd)

Door retainers shall hold doors in positive open or closed position (other types of retainers, like cables or chains, are **NOT ACCEPTABLE** on vertical doors)

Horizontal doors shall be secured in an open position parallel to the ground by heavy duty chain retainers

Chain retainers shall be removable so that the door can be opened to at least 150° to be able to access the compartment in tight areas

Shelving

Shelves shall be constructed of 0.06" Aluminum

Two (2) adjustable divider shelves and dividers, street and curb side front vertical compartment

One (1) adjustable divider shelf and dividers, street and curb side full height rear vertical compartment

One (1) adjustable divider shelf and dividers, curb side horizontal compartment

Automotive style, rotary latches and gas spring door retainers on all vertical doors

All shelves shall have molded, infinitely adjustable sliding dividers

Shelves must have a minimum capacity rating of 250 lbs., **no exceptions**

Exterior Prime Paint

Epoxy prime paint with a minimum of 1.2 mm coat

Prime paint shall be oven cured to provide a hard, durable finish

Final finish color shall match cab color, base coat clear coat

Interior Paint

Shall be a mid-gloss, mar resistant, light gray finish

Undercoating

The body shall be completely undercoated by the body manufacturer using a water based acrylic

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2F. 9' Aluminum Utility Body Upgrade (Cont'd)

Installation

The manufacturer of the body shall supply a recommended installation process along with detailed installation instructions that conform to all applicable Federal Motor Vehicle Safety Standards

Rear body-to-chassis mounting brackets shall incorporate bumper support as well as provide FMVSS 301 protection

Manufacturer of the body shall supply an owner's manual describing the proper care and maintenance of the body to the County

Warranty

The following items shall be covered by a ten (10) year limited warranty:

- Continuous Door Hinges (Guaranteed not to fail to operate or come off)
- Latches and Lock Cylinders (Unconditional guarantee against failure)
- Shelves (Guaranteed not to fail in bending under a maximum 250 lb. rated load)
- Body shall have a No-Rust-Through guarantee for ten (10) years

Lighting

Lighting shall meet all FMVSS standards

The wiring harness shall be encased in a plastic loom and all wires shall be colored for ease of troubleshooting

The wiring harness shall have connectors that make it compatible to the specified chassis without splicing

Rear lighting system to feature surface mount stop/tail/turn backup lights, with LED strobe. Having eight (8) selectable patterns and built in reflectivity for additional safety

All clearance, marker, and RID. Lighting shall be LED type (incandescent lighting in any of these areas is **NOT ACCEPTABLE**)

LED Compartment lighting each compartment to have one (1) full length vertical and horizontal light to illuminate full compartment.

All interior wiring must be retained by a mechanical fastening system (adhesive backs are **NOT ACCEPTABLE**)

Light guards shall be installed by the body manufacturer to provide protection for recessed stop/tail/turn and back up lights

Protection for the wiring harness shall be installed Safety Back Rack

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

OPTIONS (Cont'd)**2F. 9' Aluminum Utility Body Upgrade (Cont'd)****Miscellaneous**

Recessed Galva Grip Bumper:

- Class V Receiver Hitch
- Pollak 7 pole RV style harness twist and lock plug
- (Harness Part #11-998, or equal/7-Way Plug Part #11-916P, or equal)
- Back up alarm 102 Db
- 3-ball receiver tube 1 7/8", 2", 2 5/16" lock in style
- 6 ton receiver mount Pintle & 2" ball combination hitch
- Master Lock with Key Coded Locks to match ignition key

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Pre-build meeting at vendor's facility to see how work will be completed

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DOT safety kit, first aid kit, 10 lb. fire extinguisher with bracket and safety triangles

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Conspicuity enhancement:

- 2" red and white diamond grade reflective striping on face of bumper
- 6" red and yellow inverted V on rear of body compartment face

☒	☐
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2G. 11 Foot Body Upgrade*11' Body upgrade – requires a chassis with an 84" CA measurement**132" L x 94" W Compartment Configuration:*

- First Vertical 35 1/4" L x 40" H
- Second Vertical 21" L x 40" H
- Horizontal 44 3/4" L x 18 1/2" H
- Rear Vertical 27 1/2" L x 40" H – reinforced compartment and clips for shelves for heavy duty application

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Shelving Configuration:

- Two (2) shelves first Vertical each side
- Two (2) shelves second Vertical each side
- One (1) shelf horizontal curbside
- Two (2) shelves Rear vertical each side

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2H. Maxon Liftgate

C2-54-1642-TP38 55" x 38" +4

☒	☐
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Aluminum 2 piece extruded plat form 1600 pound capacity

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For use with utility bodies with openings of 54-61"

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2I. Flip Top Compartment both Street and Curbside for 9 Foot Utility Body

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Introduced on: July 13, 2023

Adopted on: July 19, 2023

Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>

OPTIONS (Cont'd)

2J. <u>Flip Top Compartment both Street and Curbside for 11 Foot Utility Body</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--	-------------------------------------	--------------------------

2K. Raised Front Curbside Compartment for Both 9 Foot and 11 Foot Utility Bodies (bottle gas retainer not included):

- | | | |
|---|-------------------------------------|--------------------------|
| • Front Vertical Compartment 60" H Raised with Masterlock | | |
| • Rivet-less rotary latches | | |
| • Gas spring door retainers | | |
| • Code-able Padlock to match Ignition Key | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

2L. Bottle Retainer Compartment

Bottle Retainer Compartment with Masterlock:

- | | | |
|---|-------------------------------------|--------------------------|
| • 60" H x 35 ¼" W x 20" D | | |
| • Two (2) hooks for cords | | |
| • Bottle holder | | |
| • Victor Journeyman 450 Heavy Duty Outfit – 540/300 SR Regulators - Torch Set | | |
| • Code-able Padlock to match Ignition Key | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

2M. High Compartment Body, 9 Foot Utility Body

Compartment Configuration 9' Utility:

- | | | |
|---|-------------------------------------|--------------------------|
| • First Vertical 35 ¼" L x 60" H | | |
| • Horizontal 44 ¾" L x 38 ½" H – will have barn doors with 3 point latches | | |
| • Rear Vertical 27 ½" L x 60" H – reinforced compartment and clips for shelves for heavy duty application | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Shelving Configuration:

- | | | |
|--|-------------------------------------|--------------------------|
| • Four (4) shelves first Vertical Street side | | |
| • Bottle Retainer compartment first vertical curbside – Two (2) hooks for cords, bottle holder, Journeyman 450 Heavy Duty Outfit torch set | | |
| • One (1) shelf horizontal curbside | | |
| • Three (3) shelves Rear vertical each side | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Bottle Retainer Compartment with the high side utility:

- | | | |
|--|-------------------------------------|--------------------------|
| • 60" H x 35 ¼" W x 20" D | | |
| • Two (2) hooks for cords | | |
| • Bottle holder | | |
| • Victor Journeyman 450 Heavy Duty Outfit – 540/300 SR Regulators- Torch Set | | |
| • This option selected with the high utility <i>will eliminate the shelves</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2N. High Compartment Body, 11 Foot Utility Body

Compartment Configuration:

- First Vertical 35 ¼" L x 60" H
- Second Vertical 21" L x 60" H
- Horizontal 44 ¾" L x 38 ½" H – will have barn doors with 3 point latches
- Rear Vertical 27 ½" L x 60" H – reinforced compartment and clips for shelves for heavy duty application

Shelving Configuration:

- Four (4) shelves first Vertical Street side
- Bottle Retainer Compartment first vertical curbside – Two (2) hooks for cords, bottle holder, Victor Journeyman 450 Heavy Duty Outfit torch set
- Three (3) shelves second Vertical each side
- One (1) shelf horizontal curbside
- Three (3) shelves Rear vertical each side

Bottle Retainer Compartment with the high side utility:

- 60" H x 35 ¼" W x 20" D
- Two (2) hooks for cords
- Bottle holder
- Victor Journeyman 450 Heavy Duty Outfit – 540/300 SR Regulators-Torch Set
- This option selected with the high utility *will eliminate the shelves*

2O. Subfloor with Full Height Tailgate

6" High full length sub floor with full height tailgate

2P. Transverse Compartment

First Vertical Full Transverse Compartment:

- Three (3) draw pull out both street and curbside
- If ordered with bottle cabinet, transverse will be street side only
- When ordered with C-Tech Drawer Unit, transverse shall be curb side pull out only

2Q. C-Tech Drawer Unit for Standard Height Body

Drawer Unit to be installed in Street side first vertical:

- Drawers shall be rated for 250 lbs
- 28" x 17.5"
- .08", 5052 aluminum alloy construction
- 40" Compartment Height Configuration
- One (1) 7" Deep Drawer
- Two (2) 5" Deep Drawers
- Three (3) 3" Deep Drawers

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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2R. C-Tech Drawer Unit for 60" High Utility Body

Drawer Unit to be installed in Street side first vertical:

- Drawers shall be rated for 250 lbs
- 28" x 17.5"
- .08", 5052 aluminum alloy construction
- 40" Compartment Height Configuration
- Two (2) 7" Deep Drawers
- Three (3) 5" Deep Drawers
- Four (4) 3" Deep Drawers

2S. Venco Ventura 4,000 LB. Electric Crane

(NOTE: Not Available with Aluminum Body)

12VDC Electric Crane – Venco Ventura Model ET16KX

- Range 16,000 ft./lb. – 4,000 lbs. @ 4.0' – 900 lbs. @ 16'
- Boom Extension – Power 8'-12' – Manual 12'-16'
- Continuous power rotation & Power boom elevation
- 25' plug in Remote Control Pendant
- Anti-Two Blocking

Auxiliary Vented Battery:

- Includes fuses
- Smart Isolator & On/Off Switch
- Wireless FM Remote Control with On-Board Diagnostics System and Receiver

Adjustable Boom Rest

Knapheide Corner Mount Crane Kit

- Right rear LEAF Spring upgrade for Crane Application

Venturo Outriggers:

- Electric Hydraulic Outriggers

2T. Custom Rear Work Bumper

- 24" deep with recessed vise mount housing
- Step with grab handle
- Includes Outrigger housing tubes
- BASF Spray liner on top

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	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2U. Ladder Rack</u>		
<i>(NOTE: This option shall be used with non-flip-top utility bodies)</i>	☒	☐
System One Ladder Rack:		
<ul style="list-style-type: none"> • Constructed of high-strength aluminum alloy with stainless steel hardware • A 78" utility track provides a rigid mounting surface for the ladder rack • The utility track attaches to the top surface of the utility body using concealed bolts and also serves as a structural anchor rail for tie-downs • Set of four (4) work winches with straps and handles, which plug into the racks in just minutes • Winches are constructed from aluminum alloy and stainless steel and have PVC bearings for rust-free durability 	☒	☐
<u>2V. E-Track Down Each Side of Body – 2" from Top of Compartments</u>	☒	☐
<u>2W. Four (4) 2' X 12" Ratchet Straps</u>	☒	☐
<u>2X. BASF Spray Liner on Floor of Compartments</u>	☒	☐
<u>2Y. Whelen LED Liberty II Solo IX 48" Light Bar</u>		
Light Bar LED Liberty II Solo IX 48", all modules filled with amber LED		
<ul style="list-style-type: none"> • Rear traffic advisor with flashing capabilities • Alley lights and takedowns are to be white • Twelve (12) scan lock flash patterns • Controller • Brackets for mounting on Safety Back Rack 	☒	☐
<u>2Z. Light Color Option for Liberty II Solo IX 48" Light Bar</u>		
Light Color Option:		
<ul style="list-style-type: none"> • Red and Blue – single color modules in lieu of amber for Sheriff's Department, keeping the amber rear arrow stick; module placement shall be provided at time of order 	☒	☐
<u>2AA. Emergency Lighting Split Red Blue Body Lights</u>		
3 ½" Super LED clear lens with 3 ½" Super LED Surface Mount clear lens with red and blue lights shall be installed	☒	☐
Whelen LED Lights: Emergency Light Package		
<ul style="list-style-type: none"> • Body Upfitter must provide installation of lights so they work in conjunction with the equipment on the truck: • Four (4) Micron Series Super LED in grill – split color • Two (2) on body sides, One (1) each side split color • Four (4) rear of body to work with chosen equipment – split color 	☒	☐
Introduced on: July 19, 2023 Adopted on: May 14, 2024 Official Resolution#: 2023001023		

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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2BB. Trailblazer 302 Air Pak

- Model 907549003, or equal
- Battery Charge/Crank Assist with 25' Battery charge/jump cable Part #300422
- Independent Weld and Generator
- Industrial Rotary Screw Air Compressor
- Air Cooler Separator Part
- RTI Filter Part
- Desiccant Air Dryer Part
- Wireless Remote Hand Control Part
- Protective Cover

2CC. Winch

Grille Guard issue must be 2021, or newer

12,000 lbs. Single Line

Motor: Series Wound, 12V DC, 24V DC

Electrical Controls: Contractor

Remote Control: Remote Switch, 12' lead

Geartrain: 3-stage planetary

Gear ration: 216:1

Clutch (free spooling): Rotating ring gear

Brake: Automatic mechanical cone

Drum Diameter/Length: 3.15"/9.0"

Rope: 3/8" x 80' steel

12V DC Performance Specs:

Line Pull – Lbs.	Line Speed - Ft.	Motor Current	Pull by Layer/Lbs.
0	28.1	66 amps	1/12000
2000	14.2	141 amps	2/9894
4000	9.3	209 amps	3/8117
6000	7.8	272 amps	4/7324
8000	6.4	335 amps	
10000	4.3	401 amps	
12000	3.3	469 amps	

Winch Dimensions:

Integrated configuration: 24.25" L x 7.15" D x 10.52" H

Low-Profile configuration: 24.25" L x 7.15" D x 7.84" H

Mounting Bolt Pattern:

10" x 4.5"

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	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2CC. Winch (Cont'd)</u>		
Winch Mount Grille Guard/ Head Lamp Guard Kit, As Specified or Equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weight: 148 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimensions: 89" x 37" x 38"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16,500 lb. straight line pull	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14 gauge 1.5" steel tube	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center Crossbars: 1.5" diameter tubing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Removable headlight area cross bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Double hood bar design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Powder coated black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warranty:		
Material and Workmanship: Lifetime of winch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electric Components: 7 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Winch Mount Grille Guard: 3-year warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fairlead: Roller	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Recommended battery: 650 CCA minimum for winching	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Leads: 2 gauge, 72"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2DD. Air Compressor, 150 CFM</u>		
VMAC VR150 Underhood Rotary Screw Compressor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
150 CFM, 175 PSI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 gallon receiver tank Control panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Throttle control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter/Regulator/Lubricator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relief/Shut-Off valves with all required fittings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2DD. Air Compressor, 150 CFM</u>		
Hose Reel: 50' of ½" I.D. air line	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2EE. Pioneer Flood Light Head – Model PFP2P1, or Equal</u>		
<u>General Specifications:</u>		
168 Watt +12VDC light head shall incorporate a Super-LED dual flood light installed in die-cast white powder coated aluminum housing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Configuration shall consist of 60 white Super-LEDs with a clear optic collimator/metallized reflector assembly and a clear non-optic polycarbonate lens.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The flood light shall be installed with a pole/pedestal adaptor with a 1 1/8" adjustable sleeve, junction box, a toggle switch with weatherproof boot and a large anodized aluminum alloy ergonomic knob at the knuckle.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be installed with a black fiberglass enforced polycarbonate handle.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flood light shall have 16,000 usable lumens.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The lens/reflector assembly shall utilize a liquid injected molded silicone gasket to be resistant to water, moisture, dust and other environmental conditions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be vibration resistant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PC boards shall be conformal coated for protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two breathable membrane patches shall be installed to the bottom of the housing to maintain a consistent internal pressure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have extended LED operation with low current consumption and low operating temperature.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Furnished with a 6" non-terminated pigtail in the junction box	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have the ability to flash a secondary warning light in the "Clearing Right of Way" mode when installed with an external flasher.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be SAE 1113-42 compliant and Class 5 testing for EMI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Voltage: +12v DC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2EE. Pioneer Flood Light Head – Model PFP2P1, or Equal (Cont'd)

General Specifications: (Cont'd)

Size: H=4.125", W=14", D=2.5"

Amp Draw: Spot light=13 amps

Lens Color: Clear

Warranty

5-year warranty on light and electronic circuit boards

2FF. Cast Iron Mechanic's Vise on Removable Plate with Receiver Type Hitch

Duty Rating: Standard Duty, Features Steel Channel and Jaws, Large Anvil

Work Surface, Enclosed Screw Assembly, Powder Coated

Base Type: Swivel – Swivel Angle

Jaw Width: 6"

Max. Opening: 5 3/4" Throat Depth: 4 1/8"

Pipe Jaw Included: Yes

Pipe Capacity: 1/4" to 3 1/2" Material: Cast Iron

Jaw face: Serrated

Number of Lock Down Bolts: 2

Body Casting: 30,000 PSI Number of Mounting Points: 4 Mounting Hole Diameter: 1/2"

Overall Length: 17 3/4", Overall Height: 10 3/4", Overall Width: 11"

Lifetime Warranty against Manufacturer's defects

2GG. Husky 815-Piece Mechanic's Tool Set

Key Features:

Alloy Steel Construction SAE and Metric Sizes

Item Weight: 178 lbs.

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COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2GG. Husky 815-Piece Mechanic's Tool Set (Cont'd)

Tool Set

- Husky Mechanic Tool Set (815 pieces) Part # H815MTS Includes:
- 433 sockets
- 230 accessories
- 145 various wrenches (standard combination, stubby, ratcheting, stubby ratcheting, flex head ratcheting, reversible ratcheting and specialty)
- 7 ratchets
- 72-tooth quick release ratchet

“No Questions/No Receipts” Lifetime warranty

Impact Sockets

Dewalt – DWMT 19242 1/2” Drive metric deep impact socket set (26 pieces)

Dewalt – DWMT 19239 1/2” Drive SAE Deep impact socket set (19 pieces)

Limited Lifetime Warranty

Impact Wrench

- Milwaukee M18 Fuel 18 Volt Lithium Ion Brushless, Cordless 1/2” impact wrench with friction ring kit
- Two (2) 5.0 Ah batteries
- 5 Year Warranty/Tool
- 3 Year Warranty/Battery

2HH. Truck Steel Air/Hydraulic Service Jack

- Material: Steel
- Lifting Capacity: 22 Tons
- Lifting Height Min: 8 1/2”
- Lifting Height Max: 17”
- Power Raise: 4 5/8”
- Chassis Length: 22”
- Operation Type: Air
- Retracted Length: 8 1/2”
- Handle Length” 47 3/8”
- Standards: ANSI, ASME and PALD 2009
- 1-year Limited Warranty

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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2II. 1700 Peak Amp 12 Volt Jump Starter

- 1700 Peak Amps
- 425 Cranking Amps
- PROFORMER Battery Technology
- 46 inch heavy-duty #2 AWG cables
- Voltmeter providing charge status of onboard battery
- DC outlet to power: 12 volt Item Weight: 18 lbs.
- Product Dimensions: 16.3" x 14.1" x 5.1"
- Voltage: 12 volts
- 1-year Limited Warranty

2JJ. Booster Jump Set

Grey with 25' Cables

1-year warranty: Free of defects in material and workmanship

2KK. Road Department Paint Color Scheme

Road Department Paint Colors – Dupont 4357A – School Bus Yellow from the bottom of the windows down. Academy Blue #4250 from the bottom of the windows up to and including cab roof and back, on hood from bottom of windshield to a point on the hood to make a "V" and match the Road Department fleet. (Note: Not all Vehicles will be painted this way)

2LL. Vehicle Special Order Paint Colors Not On the Standard Color Chart

(i.e. Gem Green)

2MM. EnPak A30GBW

All-In-One with gasoline driven power capabilities, 12V DC

Integrated into the battery, chassis power monitors battery and automatically charges as needed

Auto-Speed Technology adjusts engine speed to match compressed air, battery charge, and weld demands

Auto Start/Stop turns the engine on and off based on demand, reducing fuel Consumption

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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2MM. EnPak A30GBW (Cont'd)</u>		
CAN Bus Connectivity		
Allows connection to telematics system to monitor engine date, machine loads and usage, also allows tracking of service intervals, schedule maintenance and improve diagnostics	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23hp Kohler Gas Engine 2,400 rpm idle speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2,400rpm – 3,600 rpm weld speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single phase, continuous power generator with 6,500	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Watts; Peak power 8,000 Watts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Idle sound rating of 66 dB and high speed sound rating of 73 dB	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimensions: 28" H X 20" W X 47" D; 15.2ft ² in length	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Panels		
Weld/battery output panel Main Control panel 120/240V outlet panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30 CFM Air Compressor		
Rotary-screw air compressor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Generator		
6,500 Watt Electric Generator able to power 120V and 240V AC tools and lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Charge/Crank Assist		
Maximum of 100 amps of DC power for 12/24V battery charging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maximum of 300 amps for crank assist	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Welding		
210 amp inverter based welder with multi-process ability	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories		
25' Battery Charge/Jump Start Cables with plug	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air dryer kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure switch kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Compressor Oil Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2MM. EnPak A30GBW (Cont'd)</u>		
<u>Accessories (Cont'd)</u>		
Cable with Electrode holder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cable with work clamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2/0 Weld Cable Extension 50'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hose Reel with 50' of ½" I.D. Air Line	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2NN. Inverter</u>		
AIMS Pure Sine 4000 Watt Inverter, placement to be decided at time of order		
<ul style="list-style-type: none"> • Peak Power 12,000 Watt surge rating • 12 Volt 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Installed with two (2) auxiliary batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Additional GFI outlet with weather proof protector located at end users placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Isolation Solenoid</u>		
<ul style="list-style-type: none"> • When truck is running it is charging auxiliary batteries and when truck is off it is only running off auxiliary batteries 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2OO. Go-Lights, Model 3024</u>		
Go Light Stryker Work Lights (Up to two (2) per vehicle)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Permanently mounted on retractable poles between front of body and back of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6000 maximum lumens	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 amp draw	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9-32 VDC input	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2PP. 9' Readily Detachable Western Snow Plow System</u>		
<u>Blade Assembly</u>		
Moldboard – 12 gauge (0.104") steel sheet formed to a 17.3" radius with a 1.76" diameter top curl	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ribs – Eight (8), 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Torsion Tube – 2" diameter, full width, electrically welded to all eight ribs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2PP. 9' Readily Detachable Western Snow Plow System (Cont'd)

Blade Assembly (Cont'd)

Cutting Edge – Reversible 0.5" x 6" high carbon steel C1080 attached with ten (10) 0.63" Grade 5 carriage bolts

Disc Shoes – Two (2), full rotation, height adjustable, Austempered Ductile Iron shoes with integral 1" diameter shaft secured to blade with lynch pins.

Shoe brackets shall be welded to vertical ribs

Blade Trip – 50 degree full blade trip

Trip Springs – Four (4), 2.38" OD x 0.39" diameter, C1060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts

Shock Absorbers – Two (2), 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return

Blade Trip Pivot – Three (3) 0.75" diameter steel pins

Blade Guides – Two (2) highly visible, vinyl coated, spring wound, with replaceable flags

Plow Angling – 30° right and left

A-Frame

Electrically welded, reinforced, 3" x 3" x 0.19" wall structural steel side tubes with 0.50" thick, formed nose plate and integral attachments for angling rams to receive 1" diameter pins

Lift Chains -- Two (2), 0.25" Grade 43 high test steel with 2,600 lb. working load limit, attached with 0.38" U-bolts

Quadrant

Electrically welded, reinforced, 5" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1" diameter pins

A-Frame to Quadrant Angle Pivot – 1" diameter Grade 5 bolt

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2PP. 9' Readily Detachable Western Snow Plow System (Cont'd)</u>		
Lift Frame		
Shall have provision for attachment of out front hydraulics and light kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Arm – 0.25" x 2" formed bar welded with a 7 gauge steel cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two Plow Stands:		
• Self-storing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Adjustable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Integrated into the plow attachment mechanism.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Connecting hook and lever with integral 0.50" lock pin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two piece lift frame with tubular construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lower lift frame to include drive in plow alignment horns	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mount		
Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame. Attached to truck with Grade 5 fasteners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vehicle, with mount attached, shall meet Federal Motor Vehicle Safety Standards by compliance or by vehicle manufacturing approval	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Removable receiver brackets for additional ground clearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint		
Plow blade shall be made of shot blasted steel and cleaned with phosphate solutions and have baked-on red polyester powder coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulics		
Electric solenoid activated and detachable with lift	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front mounted hydraulic unit consisting of a fixed displacement gear pump, with 1750 PSI system relief, direct tang driven by a 4 ½" 12 volt DC motor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump with filter screen shall be immersed in a steel deep drawn reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main valve manifold shall contain three (3) side mounted and covered solenoid cartridge valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cushion relief valves set at 4,000 PSI and a quill adjustment screw to adjust blade drop speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023
 Adopted on: July 19, 2023
 Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2PP. 9' Readily Detachable Western Snow Plow System (Cont'd)

Hydraulics

One (1) 1 1/2" x 8" lift ram and two (2) 1 1/2" x 12" angling rams each rod with seal, a wiper ring and a packing nut

JK

Hydraulic hoses shall be 1/4" x 3/8" steel braided SAE 100R1

Hydraulic unit shall be controlled by a soft touch, hand held in-cab control.

Control shall be equipped with an on/off and mode buttons and indicator lights.

Control can be dash mounted

Control shall provide a single button movement angle right or left (hydraulically locked)

In-cab control shall be connected to valve manifold and to the motor through an auxiliary 12-volt multiplexed harness. Power and control harness to have quick disconnects and covers at the grill

Control shall allow plow to be in float when lowered

Unit shall be a "low side" drive system, which provides positive potential continuously with a switched ground to control the solenoids

Unit shall possess programmable security lockout feature Unit shall possess programmable hydraulic soft stop feature Unit shall possess programmable one touch float feature

Hydraulic fluid shall be MIL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation

Cycle times: Lift, 2.0 seconds; Angle, 1.5 seconds

Hydraulic unit shall stay with plow when plow is disconnected from truck

Lights

Nighthawk LED Headlamps

Headlights

Comprised entirely of light emitting diodes using solid optic elements for low beam and high beam lights

A reflected LED light for the side lighting using EdgeView Technology

DRY /Park lights using white lights behind a frosted filter, turn signal utilizing

amber lights behind the frosted filter

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>

OPTIONS (Cont'd)**2PP. 9' Readily Detachable Western Snow Flow System (Cont'd)****Plow Removal**

Blade assembly, A-Frame, Quadrant, Lift Frame with hydraulic unit all to be removed in one step from truck as one complete unit

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Accessories with Plow

Snow deflector

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Curb guard right and left

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Cab command Hand Held Control or Joystick

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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2QQ. Poly Electric Spreader**Dimensions**

- Outside Hopper 103" L
- Outside Hopper 63" W
- Overall Spreader 117" L
- Overall Spreader 51" H
- Capacity 2.5 yd³
- Empty Weight 734 lbs

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Poly Hopper Construction

Shall be constructed of rotationally molded ¼" thick double walled polyethylene shell

<input type="checkbox"/>

46° sloped sides with six (6) molded side support ribs

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Molded rear "feet" for ease of removal, cleaning and storage

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Shall include standard 2-piece hinged, double-walled, overlapping domed hard plastic covers that double as spill guards

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Conveyor Drive Bed

Shall be 100% constructed of 10 gauge 201 stainless steel with a 16 ¾" wide pintle chain conveyor system

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Dual Motor Drive

One motor shall be a sealed ½ HP-12VDC capacity with an 11-tooth drive sprocket powering a #40 roller chain to gearbox which allows for independent pintle chain speed control.

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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A separate 1/3 HP motor, dedicated to power a belt driven spinner, shall allow for independent spinner speed control

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>2QQ. Poly Electric Spreader (Cont'd)</u>		
Standard Features		
Shall include heavy-duty top screen constructed from ¼" diameter rod	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tent style top screens shall be angled at 15°	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper body shall have four (4) molded-in-poly tie-down loops	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2RR. Pipe Vise on Removable Plate with Receiver Type Hitch</u>		
Pipe Vise mounted on rear step bumper	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wilton 6 ½" Swivel Pipe Vise	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wilton Pipe Jaws	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2SS. Diagnostic Tools / Test Equipment</u>		
1. Successful bidder shall be required to supply between one (1) and three (3) complete sets of OEM testing/diagnostic/programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. All software installations and activations will be completed by the successful bidder at no cost to the County	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Training shall be provided on all items in this section at a specified County location	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2TT. Two-Way Radio Power and Wiring Requirements for New Vehicles

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

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps
- #12 AWG BLACK wire connected to chassis ground
- #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps

Wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator.

Wiring harness shall be clearly labeled "TWO-WAY RADIO". Wires shall be unterminated 12VDC sources shall be protected from making contact with grounded metal surfaces

2UU. 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

2VV. Technical Support

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

Introduced on: July 19, 2023
Adopted by: Board of Supervisors (dump body, sweeper, etc.) – 1 day at each location
Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #2 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH 9 FOOT UTILITY BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

2VV. Technical Support (Cont'd)

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

Total training hours shall be provided and no additional compensation will be considered

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

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

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

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS		
Current Model Year, or Newer, Ford F550 Regular Cab Dual Rear Wheels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four Wheel Drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
60" Cab to Axle (CA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.3L V8 gasoline engine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 gallon fuel tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TorqShift transmission with PTO option	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19,000 lb. GVWR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab shall be military grade aluminum alloy for longevity to the County in lieu of carbon steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame shall be fully boxed under cab and "C" channel behind cab for easy mounting of body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil life monitor, engine hour and engine idle hour meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Conditioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Airbags, frontal driver & passenger, side impact and side air curtains	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TowCommand integrated trailer brake controller, manual telescoping trailer tow mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 wire trailer wiring harness (no plug)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AM/FM radio; SYNC Enhanced voice recognition communication and entertainment, 911 Assist, AppLink 4-2" LCD Center Screen, One (1) Smart charging USB Port SYNC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power windows, locks, mirrors, and heated mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center High Mount Stop Lamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
240 amp HD alternator, 12V 750 CCA battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tilt and telescoping steering wheel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.88 ratio limited slip axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 wheel power ABS brakes, front and rear disc, power steering, front and rear stabilizer bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quad-beam jewel-effect halogen headlamps, five (5) roof marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LT225/70R19.5G BSW Traction tires – six (6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) full sized spare tire mounted to wheel and one (1) jack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome front bumper, front tow hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome hub covers, front bumper grill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Sliding Rear glass with defrost – sc/cc only	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Start	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Halogen Fog Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40/20/40 split vinyl bench seat with center arm rest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auxiliary power point, six (6) upfitter switches located overhead center		
Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interval windshield wipers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40" front & passenger side handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023

Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS (Cont'd)		
Standard XL Rear view camera and prep kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3-year/36,000 mile bumper-to-bumper warranty on OE components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5-year/60,000 mile powertrain warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shift on the fly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab steps, molded black (running boards)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undercoating – entire truck chassis, underside of cab and underside of added body (dump, utility, platform) shall be coated with Tectyl 2423 Haps Free Black, or Z Guard Product, a low VOC, High Solids, Emulsion Corrosion preventing coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Snow plow prep package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single color to be selected from standard color chart at time of order	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ENCLOSED SERVICE BODY SPECIFICATIONS		
Body Shell		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Compartment tops and backs and the compartment end panels shall be a one-piece seamless design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All doors, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor		
Shall be constructed of a minimum of 12 gauge treadplate with a 1 3/8" return flange on each side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Understructure		
Cross sills shall be constructed from 11 gauge steel with 50,000 PSI minimum yield strength.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Compartment Doors		
Side compartment doors shall be constructed of 20 gauge two-sided A40 Galvanneal Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be double paneled with internal reinforcements for durability	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges		
Corrosion resistant, all stainless steel, continuous hinges shall be installed to provide full length support for the doors and pry-proof security with a built-in weather shield	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023
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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ENCLOSED SERVICE BODY SPECIFICATIONS (Cont'd)		
Hinges (Cont'd)		
Hinges for the side compartment doors shall be spot welded to the door frames	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges for both the rear doors and the conduit chute doors shall be attached with non-corrosive aluminum rivets with stainless steel mandrels.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges must be supported with a six year warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rotary Latches		
Corrosion resistant rotary latches shall be secured to the door panels by four (4) threaded studs attached to the back of the latches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have zinc die cast handles with a brushed chrome finish that provides ample hand clearance surrounded by an injection molded glass and mineral infused UV resistant nylon housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall also have an internal injection molded glass and mineral infused UV resistant nylon cover for protection from the contents of the compartments	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be slam-latchable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Latching cams shall be elongated to allow the latches to move vertically relative to the lock strikes to prevent torsional damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Microcellular urethane foam gaskets shall be installed between the latch flange and the outer door skin to prevent moisture from entering the compartment behind the latch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lock cylinders shall be flush mounted for additional security	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door Strikers		
Adjustable strikers shall be affixed to the side compartment door frames with screws (welded-on door strikers are NOT ACCEPTABLE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door Seals		
Automotive "bulb type" neoprene door seals shall be installed by the manufacturer of the body on all door frames	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door Retainers		
Double spring over center door retainers shall be installed on all vertical doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door retainers must hold doors in positive open or closed position (other types of retainers, like cables or chains are NOT ACCEPTABLE for vertical doors)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Horizontal doors shall be secured in an open position parallel to the ground by heavy duty chain retainers	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES; VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ENCLOSED SERVICE BODY SPECIFICATIONS (Cont'd)		
Door Retainers (Cont'd)		
Chain retainers must be easily removable so that the door can be opened to a full 180° to be able to access the compartment in tight areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shelving		
Shall be constructed of 18 gauge bright spangled galvanized steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have hemmed dividers on 4" centers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shelves must have a minimum capacity rating of 250 lbs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior Light Guards		
Light guards shall be installed by the body manufacturer to provide protection for recessed stop/tail/turn and backup lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wiring harness must also be protected	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Master Lock System		
Each lower side pack on the body shall include a sliding bar master lock that secures all of the doors along that side of the body with an exterior padlock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each master lock bar shall be spring-loaded to hold the sliding bar in the open position so the side doors are only obstructed when the master lock is being held into place by a padlock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior Dome Lights		
The cargo area of the body shall be illuminated by two (2) overhead dome lights switched at the rear of the body thus eliminating the need to climb into the load area to operate the lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roof Construction		
Shall be constructed of 16 gauge A40 Galvanneal steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be tapered and crowned across the top for additional strength	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be reinforced by cross braces and shall feature two (2) lockable rear conduit chute doors (one (1) on each side)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conduit chute doors shall have corrosion resistant zinc plated rotary latches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Latches shall be slammable and shall be keyed the same as the rest of the exterior doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have adjustable door strikers attached to the door frames with screws	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023
Adopted on: July 19, 2023
Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ENCLOSED SERVICE BODY SPECIFICATIONS (Cont'd)		
Roof Construction (Cont'd)		
Roof shall have two (2) access doors each side with chrome T-latches.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Cargo Doors		
Shall be a double panel construction with a 20 gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A40 Galvanneal steel outer panel and a 14 gauge Galvanneal steel inner liner	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall have a nitrogen gas door retainer to assist in both the opening and closing of the door	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be designed so that all door rods and latching hardware is concealed between the outer door panel and interior door liner	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be available with or without glass.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If glass is selected, specifications consist of a minimum of 7" x 24" fixed tempered glass window installed in each door and protected by an 18 gauge bright spangled galvanized steel punched window guard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior Prime Paint		
Shall be completely immersed in electrodeposition gray epoxy prime paint featuring a zinc phosphate precoat and seal for additional corrosion protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prime paint shall be oven cured to provide a hard durable finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Final finish color shall match color of cab, base coat clear coat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior Paint		
Interior paint shall be a mid-gloss, mar resistant, light gray finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undercoating		
The body shall be completely undercoated by the body manufacturer using a water based acrylic	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warranty		
The following items shall be covered by a ten (10) year limited warranty:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No Rust-Through Guarantee	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous Door Hinges – Guaranteed not to fail to operate or come off body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Latches and Lock Cylinders – Guaranteed against failure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 19, 2023		
Adopted on: July 19, 2023		
Official Resolution#: 2023001023		

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ENCLOSED SERVICE BODY SPECIFICATIONS (Cont'd)		
Warranty (Cont'd)		
Shelves – Guaranteed not to fail in bending under a maximum 250 lb. rated load.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting		
Lighting shall meet all FMVSS standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wiring harness shall be encased in a plastic loom and all wires shall be colored for ease of troubleshooting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wire harness must have connectors that are compatible with the specified chassis without splicing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stop/tail/turn and backup lights shall be surface mount with built in strobe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The stop/tail/turn/reverse shall be surface mount with built in strobes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All marker, clearance, and R.I.D. lighting shall be LED type lighting (Incandescent lights in any of these locations are NOT ACCEPTABLE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimensions		
Knapheide Model KC108L2094J		
<ul style="list-style-type: none"> • Length 107.25" without bumper • Width 94" • Compartment Depth 20" • Overall Height 68" • Clear Door Width 49.5" • Clear Door Height 40" • Interior Clear Height 51.1" • Body Weight 2,093 lbs. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Streetside Compartment Configuration		
<ul style="list-style-type: none"> • First Vertical: 35.25" x 40" • Horizontal: 44.75" x 18.5" • Rear Vertical: 27.25" x 40" 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Curbside Compartment Configuration		
<ul style="list-style-type: none"> • First Vertical: 35.25" x 40" • Horizontal: 72" x 18.5" • Rear Vertical: 27.25" x 21.5" 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessory Lighting		
Compartment lighting must be LED; each compartment must have one vertical and one horizontal light 11" to size	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

ENCLOSED SERVICE BODY SPECIFICATIONS (Cont'd)

Accessory Lighting (Cont'd)

Whelen Amber LED Lights

:
Body upfitter must provide installation of lights so they work in conjunction with the equipment on the truck:

- Atomic Amber LED Lights
- Four (4) Micron Series Super LED in grille
- Whelen Micron 3 ½", two (2) in rear, one (1) each side with stop tail turn lights
- Four (4) 700 Series Super LED light heads at rear, one (1) each side of body mounted higher on body, and two (2) mounted in front of body higher than cab

Whelen Traffic Advisor TIR3 Super LED:

- Mounted above rear doors lower than the roof line
- Eight (8) module 1 ¾" x 2 3/16" x 30 1/16"
- Controller for multi-pattern configuration

Accessories

Sleeve Adapter HC3Z-19H282-A

Pipe Vise and Bracket:

- Wilton 6 ½" Swivel Pipe Vise
- Wilton Pipe Jaws
- Bracket Mounted
- To fit in Class V hitch

Recessed Galva Grip Bumper:

- Class V Receiver hitch
- Pollak 7 pole RV style harness twist and lock plug (Harness Part # 11-998, or equal; 7-Way Plug Part # 11916P, or equal)
- Back up alarm Preco 102 Db
- 3-ball receiver tube 1 7/8", 2", 2 5/16" locking hitch pin
- 6 ton receiver mount Pintle & 2" ball combination hitch

DOT safety kit, first aid kit, and 10 lb. fire extinguisher w/bracket and safety triangles

Conspicuity enhancement:

- 2" red and white diamond grade reflective striping on face of bumper
- 6" red and yellow inverted V on rear of body compartment face

OPTIONS

3) Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3C. Upgrade to Regular Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3D. Upgrade to Super Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3E. Upgrade to Crew Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3F. Medium Height Enclosed Body Upgrade</u>		
Upgrade specified enclosed body to medium height, Knapheide model KC108M2094J:		
Dimensions:		
• Length 107.25" without bumper		
• Width 94"		
• Compartment Depth 20"		
• Overall Height 78"		
• Clear Door Width 49.5"		
• Clear Door Height 50"		
• Interior Clear Height 61.1"		
• Body Weight 2,112 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3G. High Height Enclosed Body Upgrade</u>		
Upgrade specified enclosed body to high height, Knapheide model KC108H2094J:		
Dimensions:		
• Length 107.25" without bumper		
• Width 94"		
• Compartment Depth 20"		
• Overall Height 90"		
• Clear Door Width 49.5"		
• Clear Door Height 62"		
• Interior Clear Height 73.1"		
• Body Weight 2,232 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3H. 11 Foot Low Height Enclosed Body Upgrade For Use With 84" CA Chassis

Upgrade specified enclosed body to 11 foot Knapheide model KC132L2094J

for 84" CA chassis application

Dimensions:

- Length 133.25" without bumper
- Width 94"
- Compartment Depth 20"
- Overall Height 68"
- Clear Door Width 49.5"
- Clear Door Height 40"
- Interior Clear Height 51.1"
- Body Weight 2,506 lbs.

Streetside Compartment Configuration

- First Vertical: 34.25" x 40"
- Second Vertical: 21" x 40"
- Horizontal: 52.75" x 18.5"
- Rear Vertical: 25.25" x 40"

Curbside Compartment Configuration

- First Vertical: 34.25" x 40"
- Second Vertical: 21" x 40"
- Horizontal: 52.75" x 18.5"
- Rear Vertical: 25.25" x 40"

3I. 11 Foot Medium Height Enclosed Body Upgrade For Use With 84" CA Chassis

Upgrade specified enclosed body to 11 foot Knapheide model KC132M2094J for

84" CA chassis application

Dimensions:

- Length 133.25" without bumper
- Width 94"
- Compartment Depth 20"
- Overall Height 78"
- Clear Door Width 49.5"
- Clear Door Height 50"
- Interior Clear Height 61.1"
- Body Weight 2,532 lbs.

Streetside Compartment Configuration

- First Vertical: 34.25" x 40"
- Second Vertical: 21" x 40"
- Horizontal: 52.75" x 18.5"

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3I. 11 Foot Medium Height Enclosed Body Upgrade For Use With 84" CA Chassis (Cont'd)

Curbside Compartment Configuration

- Rear Vertical: 25.25" x 40" First Vertical: 34.25" x 40"
- Second Vertical: 21" x 40"
- Horizontal: 52.75" x 18.5"
- Rear Vertical: 25.25" x 40"

3J. 11 Foot High Height Enclosed Body Upgrade for Use with 84" CA Chassis

Upgrade specified enclosed body to 11 foot Knapheide model KC132H2094J for 84" CA chassis application

Dimensions:

- Length 133.25" without bumper
- Width 94"
- Compartment Depth 20"
- Overall Height 90"
- Clear Door Width 49.5"
- Clear Door Height 62"
- Interior Clear Height 73.1"
- Body Weight 2,652 lbs.

Streetside Compartment Configuration

- First Vertical: 34.25" x 40"
- Second Vertical: 21" x 40"
- Horizontal: 52.75" x 18.5"
- Rear Vertical: 25.25" x 40"

Curbside Compartment Configuration

- First Vertical: 34.25" x 40"
- Second Vertical: 21" x 40"
- Horizontal: 52.75" x 18.5"
- Rear Vertical: 25.25" x 40"

3K. Aluminum Body Upgrade from Steel

All accessories shall be the same at the steel body specifications

Body Shell

Constructed of .09" H5052 Aluminum.

Body shell shall be supported by structural 6061 T6 Aluminum extrusions

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3K. Aluminum Body Upgrade from Steel (Cont'd)

Floor

Constructed of interlocking, extruded 6061 T6 Aluminum planks with locking aluminum end rails and aluminum side rails with a 1 3/8" return flange on each side

Side compartment back panel should overlap and interlock with the floor flange to support the weight of the side compartment

Understructure

Support structure constructed from 11-gauge steel long sills, and a 10-gauge steel cross sills with 50,000 psi minimum yield strength

Doors

Box structure, double paneled with a minimum of .08" aluminum outer panel, corners formed continuously

Inner door panel shall be minimum of .06"

Hinges

Corrosion resistant aluminum with stainless steel rod. Continuous hinges shall be installed to provide full length support for the doors and pro-proof security

Hinges are to be applied with structural adhesive and rivets to the door frames; must be supported with a 10-year warranty.

Rotary Latches

Corrosion resistant rotary latches shall be secured to the door panels by four (4) fasteners attached to the back of the latches.

Latches must have zinc die cast handles with a brushed chrome finish that provides ample hand clearance surrounded by an injection molded glass and mineral infusion UV resistant nylon housing.

Latches shall also have internal injection molded glass and mineral infused UV resistant nylon cover for protection from the contents of the compartments.

Shall be slam-latchable

Latching cams are to be elongated to allow the latches to move vertically relative to the lock strikes to prevent torsional damage

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3K. Aluminum Body Upgrade from Steel (Cont'd)

Rotary Latches (Cont'd)

Microcellular urethane foam gaskets are to be installed between the latch flange and the outer door skin to prevent moisture from entering the compartment behind the latch.

Lock cylinders are to be flush mounted

Door Strikers

Shall be affixed to the side compartment doorframes with screws; welded on are **NOT ACCEPTABLE**

Door Seals

Automotive "bulb type" neoprene door seals shall be installed on all doorframes

Door Retainers

Nitrogen gas strut door retainers are to be installed on all vertical doors. Door retainers need to hold doors in positive open or closed position. **ANY** other type of retainer is **NOT ACCEPTABLE**

Horizontal doors shall be secured in an open position parallel to the ground by heavy duty chain retainers. Chain retainers must be easily removable so the door can be opened to at least 150° to be able to access the compartment in tight areas.

Shelving

Shall be constructed of .06" aluminum.

All shelves shall have molded, infinitely adjustable sliding dividers.

Shelves need to have minimum capacity of 250 lbs.

Master Lock System

Each lower side pack on the body shall include a sliding bar master lock that secures all of the doors along that side of the body with an exterior padlock (County provided).

Each master lock bar shall be spring loaded to hold the sliding bar in the open position so the side doors are only obstructed when the master lock is being held into place with key coded locks to match ignition key

Interior Light Guard

Shall be installed by the body manufacturer to provide protection for light mounting hardware, light connection points, and wiring harness.

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3K. Aluminum Body Upgrade from Steel (Cont'd)</u>		
Interior Light Dome		
Cargo area of the body shall be illuminated by an overheard dome light, switched at the rear of the body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roof Construction		
Roof shall be constructed of .09" H5052 aluminum. Shall be tapered and crowned across the top	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roof shall be reinforced by cross braces and shall feature two (2) lockable rear conduit chute doors – one (1) on each side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conduit chute doors shall have corrosion resistant rotary latches and shall be slam-latchable and keyed to match all other exterior doors.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Door shall have adjustable door strikers attached to the doorframes with screws.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Cargo Doors		
Shall be constructed of .09" H5052 Aluminum for outer panels and inner liner.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each door shall have nitrogen gas door retainer to assist in both the opening and closing of the door	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each door shall be designed so that all door rods and latching is concealed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear cargo doors are constructed with or without glass – to be selected at time of order	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IF Glass is selected: Minimum 9" X 30" fixed tempered glass window installed in each door and protected by an aluminum window guard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bulkhead		
Shall be of ABS material.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Body shall have sliding door to access the cargo area from the cab.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bulkhead door shall have slam-latch handle on both sides of the door which can be locked from the cab side.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bulkhead door is to open and close on stainless steel ball bearing slides. Door hinges are NOT ACCEPTABLE.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3K. Aluminum Body Upgrade from Steel (Cont'd)</u>		
Exterior Prime Paint		
Epoxy prime paint with a minimum of 1.2 mm coat. Prim paint shall be oven cured to provide a hard finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior Paint		
Interior Paint is to be mid-gloss, mar resistant, buff finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warranty		
The following shall be covered by a minimum 10-year limited warranty:		
<ul style="list-style-type: none"> • No failure due to corrosion • Continuous door hinges; guaranteed not to fail to operate or come off product • Latches and Lock Cylinders – unconditional guarantee against failure • Shelves – guaranteed not to fail in bending under a maximum of 250 lb. load. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting		
Shall meet all FMVSS standards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wiring harness shall be encased in a mesh loom and all wires are to be colored for ease of troubleshooting.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wire harness shall have connectors that are compatible with OEM chassis without splicing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear lighting system to feature surface mount, stop/tail/turn/backup lights with LED strobe having eight (8) selectable patterns and built in reflectivity for safety.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting system shall feature all LED type lighting, incandescent or other lighting is NOT ACCEPTABLE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED Compartment Lighting		
Each compartment shall have one (1) full length vertical and horizontal light to illuminate full compartment	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3K. Aluminum Body Upgrade from Steel (Cont'd)

Dimensions

Knapheide AKC110L2094

- Length: 109"
- Width: 94"
- Compartment Depth: 20"
- Overall Height: 68"
- Clear Door Width: 50"
- Clear Door Height: 44"
- Interior Clear Height: 50"
- Body Weight: 969 lbs.

Compartment Configuration

- First Vertical 36" X 40"
- Horizontal 45" x 18 ½"
- Rear Vertical: 28" X 40"

Shelving Configuration

- Two (2) Shelves First Vertical Each Side
- One (1) Shelf Horizontal Curbside
- Two (2) Shelves Rear Vertical Each Side

3L. Medium Height Enclosed Body Upgrade

Knapheide AKC110M2094

Dimensions:

- Length – 109"
- Width – 94"
- Compartment Depth – 20"
- Overall Height - 78"
- Clear Door Width - 50"
- Clear Door Height – 54"
- Interior Clear Height – 60"
- Body Weight – 1006 lbs.

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3M. High Height Enclosed Body Upgrade

Knapheide AKC110H2094

Dimensions

- Length – 109”
- Width – 94”
- Compartment Depth – 20”
- Overall Height - 90”
- Clear Door Width - 50”
- Clear Door Height – 66”
- Interior Clear Height – 72”
- Body Weight – 1050 lbs.

3N. 11' Medium Height Enclosed Body Upgrade for Use with 84" CA

Knapheide AKC132M2094

Dimensions

- Length – 133”
- Width – 94”
- Compartment Depth – 20”
- Overall Height - 78”
- Clear Door Width - 50”
- Clear Door Height – 54”
- Interior Clear Height – 60”
- Body Weight – 1180 lbs.

Compartment Configuration for 133” Bodies

- First Vertical: 36” X 40”
- Second Vertical: 24” X 40”
- Horizontal: 45” X 18 ½”
- Rear Vertical: 28” X 40”

Shelving Configuration

- Two (2) Shelves First Vertical Each Side
- Two (2) Shelves Second Vertical Each Side
- One (1) Shelf Horizontal Curbside
- Two (2) Shelves Rear Vertical Each Side

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3O. 11' High Height Enclosed Body Upgrade for Use with 84" CA

Knapheide AKC132H2094

Dimensions

- Length – 133"
- Width – 94"
- Compartment Depth – 20"
- Overall Height - 90"
- Clear Door Width - 50"
- Clear Door Height – 66"
- Interior Clear Height – 72"
- Body Weight – 1227 lbs.

3P. Side Access Doors in Roof

Two (2) per side hinged at top with gas springs

(Note: If 60" Front Vertical is a chosen option, only one (1) door on that side)

3Q. Bottle Retainer Compartment

- 60" H X 35 ¼" W X 20" D
- Two (2) hooks for cords
- Bottle Holder
- Victor Journeyman 450 Heavy Duty Outfit 540/300 SR Regulators – Torch Set
- 3M. BASF DTE Liner AXALTA
- Coating cargo area up to first shelf bumper

3R. BASF DTE Liner AXALTA

Coating cargo area up to first shelf, and rear bumper

3S. Whelen 900 Series Super LED Scene Lights

- Whelen 900 Series Gradient Opti-Scenelight:
- LED White Light only – mounted on side of enclosed body for work light area
- 3N. Whelen 900 Series Super LED Scene Lights (Cont'd)
- Has sixteen (16) White Super LED lights
- Clear optic hard coated polycarbonate lens and utilizes a metal reflector with integrated TIR hybrid optics for maximum output

Chrome plated flange for Opti-Scenelight

Enclosed body shall use 1 to 3 lights per side (user Department shall determine amount at time of order) (Up to six (6) lights per vehicle)

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3T. Inverter</u>		
AIMS Pure Sine 4000 Watt Inverter, placement to be decided at time of order		
• Peak Power 12,000 Watt surge rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• 12 Volt	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Installed with two (2) auxiliary batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Additional GFI outlet with weather proof protector located at end users placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolation Solenoid		
• When truck is running it is charging auxiliary batteries and when truck is off it is only running off auxiliary batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3U. BASF Spray Liner on Floor and Sides of Cargo Area</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3V. BASF Spray Liner on Floor of Compartments</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3W. Hide-A-Way Bumper Crane</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Western Mule S-1350 Fold-A-Way Crane:		
• 1350 lbs. capacity		
• Aluminum bumper cover and fold down rear grip strut		
• LED light package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3X. Whelen LED Liberty II Solo IX 48" Light Bar</u>		
• Light Bar LED Liberty II Solo IX 48", all modules filled with amber LED		
• No light modules on rear of light bar (front only)		
• Alley lights and takedowns are to be white		
• Twelve (12) scan lock flash patterns		
• Controller		
• Mounted on top of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3Y. Light Color Option for Liberty II Solo IX 48" Light Bar</u>		
Light Color Option:		
• Red and blue modules in lieu of amber for Sheriff's Department		
• Determined Left/Right Side and Red/Blue at time of order with Amber		
• Arrow Stick at Rear	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3Z. Emergency Lighting LED Body Lights</u>		
Red Blue Split, 3 1/2" Super LED clear lens with red and blue lights shall be installed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3AA. Maxon Liftgate</u>		
C2-54-1642-TP38 Liftgate 55" x 38" +4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aluminum Extruded 2-Piece Platform	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1600 pound capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
For use with utility bodies with openings of 54-61"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3BB. Subfloor</u>		
6" High full length sub floor for enclosed body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3CC. Transverse Compartment</u>		
First Vertical Full Transverse Compartment:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) draw pull out both street and curbside <i>(Note: When ordered with C-Tech Drawer Unit, transverse is curbside only)</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3DD. C-Tech Drawer Unit</u>		
Drawer Unit to be installed in Street side first vertical:		
<ul style="list-style-type: none"> • Drawers shall be 250 lbs. rated • 28" x 17.5" • .08", 5052 aluminum alloy construction • 40" Compartment Height Configuration • One (1) 7" Deep Drawer • Two (2) 5" Deep Drawers • Three (3) 3" Deep Drawers • <i>This eliminates full transverse compartment if selected; goes to only back of Compartment</i> 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3EE. Air Compressor, 70 CFM</u>		
<ul style="list-style-type: none"> • VMAC VR70 Underhood Rotary Screw Compressor • 70 CFM, 175 PSI • 3 gallon receiver tank • Control panel Throttle control • Filter/Regulator/Lubricator • Relief/Shut-Off valves with all required fittings • Hose Reel: 50' of ½" I.D. air line 	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3FF. Air Compressor, 150 CFM

- VMAC VR150 Underhood Rotary Screw Compressor
- 150 CFM, 175 PSI
- 3 gallon receiver tank
- Control panel Throttle control
- Filter/Regulator/Lubricator
- Relief/Shut-Off valves with all required fittings
- Hose Reel: 50' of ½" I.D. air line

3GG. Go-Lights, Model 3024

Go Light Stryker Work Lights (Up to four (4) per vehicle)

Permanently mounted on stainless steel brackets, front and/or rear (user Department shall determine location)

6000 maximum lumens

5 amp draw

9-32 VDC input

3HH. 9' Readily Detachable Western Snow Plow System

Blade Assembly

Moldboard – 12 gauge (0.104") steel sheet formed to a 17.3" radius with a 1.76" diameter top curl

Ribs – Eight (8), 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel

Torsion Tube – 2" diameter, full width, electrically welded to all eight ribs.

Cutting Edge – Reversible 0.5" x 6" high carbon steel C1080 attached with ten (10) 0.63" Grade 5 carriage bolts.

Disc Shoes – Two (2), full rotation, height adjustable, Austempered Ductile

Iron shoes with integral 1" diameter shaft secured to blade with lynch pins. Shoe brackets shall be welded to vertical ribs.

Blade Trip – 50 degree full blade trip

Trip Springs – Four (4), 2.38" OD x 0.39" diameter, C1060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts.

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3HH. 9' Readily Detachable Western Snow Plow System (Cont'd)

Blade Assembly (Cont'd)

Shock Absorbers – Two (2), 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return.

Blade Trip Pivot – Three (3) 0.75" diameter steel pins.

Blade Guides – Two (2) highly visible, vinyl coated, spring wound, with replaceable flags.

Plow Angling – 30 degrees right and left.

A-Frame

Electrically welded, reinforced, 3" x 3" x 0.19" wall structural steel side tubes with 0.50" thick, formed nose plate and integral attachments for angling rams to receive 1" diameter pins.

Lift Chains – Two (2), 0.25" Grade 43 high test steel with 2,600 lb. working load limit, attached with 0.38" U-bolts.

Quadrant

Electrically welded, reinforced, 5" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1" diameter pins.

A-Frame to Quadrant Angle Pivot – 1" diameter Grade 5 bolt

Lift Frame

Lift frame to have provision for attachment of out front hydraulics and light kit.

Lift Arm – 0.25" x 2" formed bar welded with a 7 gauge steel cover.

Two Plow Stands – Self-storing and adjustable integrated into the plow attachment mechanism. Connecting hook and lever with integral 0.50" lock pin.

Two piece lift frame with tubular construction

Lower lift frame to include drive in plow alignment horns

Mount

Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame

Attached to truck with Grade 5 fasteners

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3HH. 9' Readily Detachable Western Snow Plow System (Cont'd)

Mount (Cont'd)

Vehicle, with mount attached, shall meet Federal Motor Vehicle Safety

Standards by compliance or by vehicle manufacturing approval.

Removable receiver brackets for additional ground clearance.

Paint

Plow blade shall be made of shot blasted steel and cleaned with phosphate solutions and have baked-on red polyester powder coating.

Hydraulics

Electric solenoid activated and detachable with lift

Front mounted hydraulic unit consisting of a fixed displacement gear pump, with 1750 PSI system relief, direct tang driven by a 4 1/2" 12 volt DC motor

Pump with filter screen shall be immersed in a steel deep drawn reservoir

Main valve manifold shall contain three (3) side mounted and covered solenoid cartridge valves

Cushion relief valves set at 4,000 PSI and a quill adjustment screw to adjust blade drop speed.

One (1) 1 1/2" x 8" lift ram and two (2) 1 1/2" x 12" double-acting angling rams each with a rod seal, a wiper ring and a packing nut.

Hydraulic hoses shall be 1/4" steel braided SAE 100R1

Hydraulic unit shall be controlled by a soft touch, hand held in-cab control.

Control shall be equipped with an on/off and mode buttons and indicator lights

Control can be dash mounted.

Control shall provide a single button movement of angle right or left (hydraulically locked)

In-cab control shall be connected to valve manifold and to the motor through an auxiliary 12-volt multiplexed harness

Power and control harness to have quick disconnects and covers at the grille

Control shall allow plow to be in float when lowered

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
3HH. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Hydraulics (Cont'd)		
Unit shall be a "low side" drive system, which provides positive potential continuously with a switched ground to control the solenoids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable security lockout feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable hydraulic soft stop feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable one touch float feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic fluid shall be MIL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cycle times: Lift, 2.0 seconds; Angle, 1.5 seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall stay with plow when plow is disconnected from truck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lights		
Night Hawk LED Plow Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Headlights		
Comprised entirely of light emitting diodes using solid optic elements for low beam and high beam lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A reflected LED light for the side lighting using EdgeView Technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DRL/Park lights using white lights behind a frosted filter, turn signal utilizing amber lights behind the same frosted filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plow Removal		
Blade assembly, A-Frame, Quadrant, Lift Frame with hydraulic unit all to be easily removed from truck as one complete unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories with Plow		
Snow deflector	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Curb guard right and left	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab command Hand Held Control or Joystick (to be chosen by user Department at time of order)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3II. Road Department Paint Color Scheme

School Bus Yellow from the bottom of the windows down

Academy Blue #5240 from the bottom of the windows up to and including cab roof and back

On hood from bottom of windshield to a point on the hood to make a "V" and match the road department fleet

Shall be base coat clear coat
(Note: Not all Vehicles will be painted this way)

3JJ. Winch

- Model Year Grille Guard, or Equal
- 12,000 lbs. Single Line
- Motor: Series Wound, 12V DC, 24V DC
- Electrical Controls: Contractor
- Remote Control: Remote Switch, 12' lead
- Geartrain: 3-stage planetary
- Gear ration: 216:1
- Clutch (free spooling): Rotating ring gear
- Brake: Automatic mechanical cone
- Drum Diameter/Length: 3.15"/9.0"
- Rope: 3/8" x 80' steel

12V DC Performance Specs:

Line Pull – Lbs.	Line Speed - Ft.	Motor Current	Pull by Layer/Lbs.
0	28.1	66 amps	1/12000
2000	14.2	141 amps	2/9894
4000	9.3	209 amps	3/8117
6000	7.8	272 amps	4/7324
8000	6.4	335 amps	
10000	4.3	401 amps	
12000	3.3	469 amps	

Winch Dimensions:

Integrated configuration: 24.25" L x 7.15" D x 10.52" H

Low-Profile configuration: 24.25" L x 7.15" D x 7.84" H

Mounting Bolt Pattern:

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ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3JJ. Winch (Cont'd)

Winch Mount Grille Guard/ Head Lamp Guard Kit

- Weight: 148 lbs.
- Dimensions: 89" x 37" x 38"
- 16,500 lb. straight line pull
- 14 gauge 1.5" steel tube
- Center Crossbars: 1.5" diameter tubing
- Removable headlight area cross bars
- Double hood bar design
- Powder coated black

Warranty:

Material and Workmanship: Lifetime of winch

Electric Components: 7 years

Winch Mount Grille Guard: 3-year warranty

Fairlead: Roller

Recommended battery: 650 CCA minimum for winching

Battery Leads: 2 gauge, 72"

3KK. Husky 815-Piece Mechanic's Tool Set

Key Features:

- Alloy Steel Construction
- SAE and Metric Sizes
- Item Weight: 178 lbs.

Tool Set

Husky Mechanic Tool Set (815 pieces) Part # H815MTS

Includes:

- 433 sockets
- 230 accessories
- 145 various wrenches (standard combination, stubby, ratcheting, stubby ratcheting, flex head ratcheting, reversible ratcheting and specialty)
- 7 ratchets,
- 72-tooth quick release ratchet

"No Questions/No Receipts" Lifetime warranty

Impact Sockets

Dewalt DWMT 19343 1/2" Drive metric deep impact socket set (26 pieces)

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3KK. Husky 815-Piece Mechanic's Tool Set (Cont'd)</u>		
<u>Impact Socket (Cont'd)</u>		
Dewalt – DWMT 19239 ½” Drive SAE Deep impact socket set (19 pieces)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Limited Lifetime Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Impact Wrench</u>		
Milwaukee M18 Fuel 18 Volt Litium Ion Brushless, Cordless ½” impact wrench with friction ring kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) 5.0 Ah batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Year Warranty/Tool	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Year Warranty/Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3LL. Truck Steel Air/Hydraulic Service Jack</u>		
Material: Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lifting Capacity: 22 Tons	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lifting Height Min: 8 ½”	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lifting Height Max: 17”	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Raise: 4 5/8”	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chassis Length: 22”	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operation Type: Air	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retracted Length: 8 ½”	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Handle Length” 47 3/8”	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standards: ANSI, ASME and PALD 2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-year Limited Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (Cont'd)</u>		
<u>3MM. 1700 Peak Amp 12 Volt Jump Starter</u>		
1700 Peak Amps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
425 Cranking Amps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PROFORMER Battery Technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
46 inch heavy-duty #2 AWG cables	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Voltmeter providing charge status of onboard battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DC outlet to power: 12 volt Item Weight: 18 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Product Dimensions: 16.3" x 14.1" x 5.1"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Voltage: 12 volts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-year Limited Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3NN. Booster Jump Set</u>		
Grey with 25' Cables	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-year warranty: Free of defects in material and workmanship	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>3OO. Special Paint Colors Not On the Standard Color Chart</u>		
<u>3PP. Diagnostic Tools / Test Equipment</u>		
1. Successful bidder shall be required to supply between one (1) and three (3) complete sets of OEM testing/diagnostic/programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. All software installations and activations will be completed by the successful bidder at no cost to the County	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Training shall be provided on all items in this section at a specified County location	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3QQ. Two-Way Radio Power and Wiring Requirements for New Vehicles

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

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps
- #12 AWG BLACK wire connected to chassis ground
- #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps

Wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator

Wiring harness shall be clearly labeled "TWO-WAY RADIO". Wires shall be unterminated 12VDC sources shall be protected from making contact with grounded metal surfaces

3RR. 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.

3SS. Technical Support

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

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #3 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH ENCLOSED UTILITY SERVICE BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

3SS. Technical Support (Cont'd)

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

Total training hours shall be provided and no additional compensation will be considered

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

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

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

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS		
CURRENT MODEL YEAR, or newer Ford F550 Regular Cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dual Rear Wheels, Four Wheel Drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
60" Cab to Axle (CA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.3L V8 gasoline engine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 gallon fuel tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TorqShift transmission with PTO option	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19,000 lb. GVWR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab shall be military grade aluminum alloy for longevity to the County in lieu of carbon steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame to be fully boxed under cab and "C" channel behind cab for easy mounting of body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil life monitor, engine hour and engine idle hour meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Conditioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Airbags, frontal driver & passenger, side impact and side air curtains	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TowCommand integrated trailer brake controller, manual telescoping trailer tow mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 wire trailer wiring harness (no plug)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AM/FM radio; SYNC Enhanced voice recognition communication and entertainment, 911 Assist, AppLink 4-2" LCD Center Screen, One (1) Smart charging USB Port SYNC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power windows, locks, mirrors, and heated mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center High Mount Stop Lamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
240 amp HD alternator, 12V 750 CCA battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tilt and telescoping steering wheel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.88 ratio limited slip axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 wheel power ABS brakes, front and rear disc, power steering, front and rear stabilizer bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quad-beam jewel-effect halogen headlamps, 5 roof marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LT225/70R19.5G BSW Traction tires – six (6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) full sized spare tire mounted to wheel and one (1) jack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome front bumper, front tow hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome hub covers, front bumper grill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Sliding Rear glass with defrost – sc/cc only	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Start	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Halogen Fog Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40/20/40 split vinyl bench seat with center arm rest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auxiliary power point, six (6) upfitter switches located overhead center Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interval windshield wipers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adapted or passenger side handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS (CONT'D)		
Standard XL Rear view camera and prep kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3-year/36,000 mile bumper-to-bumper warranty on OE components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5-year/60,000 mile powertrain warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shift on the fly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab steps, molded black (running boards)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Snow plow prep package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single color to be selected from standard color chart at time of order	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undercoating – entire truck chassis, underside of cab and underside of added body (dump, utility, platform) shall be coated with Tectyl 2423 Haps Free Black, or Z Guard Product, a low VOC, High Solids, Emulsion Corrosion preventing coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLATFORM SPECIFICATIONS		
Platform body shall be a heavy duty body to be used on a single axle chassis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The hoist shall be an arm type hoist	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The unit shall be a current design and production unit. Bidders shall submit current literature for body, hoist and snow plow proposed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
During the fabrication period of the unit, the County of Ocean reserves the right to make interval inspections, as it deems necessary. If a bidder is submitting an alternate to what is referenced in the specifications, the proposal shall be accompanied by descriptive literature, marked to indicate the exact items to be furnished, electrical and hydraulic diagrams, along with engineering drawing documentation of the same. These specifications are not intended to be restrictive, but are meant to describe the type of unit required for use by the County of Ocean. These specifications address the minimum performance requirements of the Vehicle Services Department; the County will consider alternate products provided that they meet these minimum requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If a bidder is basing his proposal on equipment other than what is specified and wishes the equipment he proposes to be considered as an “Approved Equivalent,” he shall submit, on a separate sheet in the exact format of the specifications contained herein, an item description, including the make, model and manufacturer’s name of that which he proposes to substitute. For purposes of comparison, include only those items on each sheet as given in these specifications. Such bidder shall also include, but not as a substitute for the above, manufacturer’s literature and specifications. If the bidder does not submit the description or deviations as indicated above, it will be understood that the bidder intends to supply the particular item as designated in the specifications and the County of Ocean will so demand. Substitutions will not be permitted after receipt of bid.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
PLATFORM SPECIFICATIONS (CONT'D)		
Platform Substructure		
Long sills shall be constructed with 5” structural steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross sills shall be constructed with 5.44” structural steel on 16” centers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting		
LED lighting shall meet all FMVSS standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The wiring harness shall be encased in a plastic loom and all wires shall be colored for ease of troubleshooting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The wire harness must have connectors that make it compatible to the specified chassis without splicing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The stop/tail/turn lights shall be mounted below the platform in non-corrosive containers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories		
Sleeve Adapter HC3Z-19H282-A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pintle Plate ¼” thick with:		
• Class V Receiver Hitch		
• Pollak 7 pole RV style harness twist and lock plug, with weather pack back, Part #'s 11-998 (harness) and 11-916P (7 way plug)		
• Back up alarm 102 dB		
• 3-ball receiver tube 1 7/8”, 2”, 2 5/16” locking hitch pin		
• 6 ton receiver mount Pintle & 2” ball combination hitch <i>(Note: Not available when hoist and liftgate ordered together)</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) pull-out ladders mounted behind the cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grab handle mounted to work in conjunction with ladders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stone shields and plain black mud flaps		
Conspicuity enhancement – 2” red and white diamond grade reflective striping	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DOT safety kit, first aid kit, and 10 lb. fire extinguisher w/bracket and safety triangles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Atomic LED lights, amber, to be wired to one of the upfitter switches provided in the chassis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OPTIONS		
4. <u>4. Upgrade chassis to Super Cab chassis, retaining 60” Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Adopted on: July 19, 2023
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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
<u>4B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4C. Upgrade to Regular Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4D. Upgrade to Super Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4E. Upgrade to Crew Cab chassis with 84" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4F. Upgrade to Regular Cab chassis with 108" Cab to Axle</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4G. Upgrade to 12'3" Platform Body with Removable Stake for use with 84" CA Chassis</u>		
Upgrade specified platform body to Heavy Hauler PHHT-124B Platform Body with Removable Stake, for use with 84" CA chassis application. The complete body and removable sides must be supplied by a single manufacturer and be a proven standard production model.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimensions		
147" Platform Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>
95.9" Platform Height	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40" High Permanently Installed Bulkhead with mesh window	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40" High Removable Stake Sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40" High Rear Swing Gates	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4H. Thieman TT Liftgate</u>		
Thieman Model TT 20ET or equal liftgate, to be used on non-dumping platforms	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steel Platform: 86" x 30" + 5"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ramp is 5" fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Capacity: 2,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rustproofing on platform frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operation: Power down, level ride	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Mechanism: Direct dual cylinder lift (no chains or cables)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pivot Pins: Non-rotating stress proof materials with Nitrotec	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 19, 2023		
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Control: Molded toggle switch control	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
4H. <u>Thieman TT Liftgate (Cont'd)</u>		
Bushings: Low maintenance replaceable bushings at all pivot points	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Platform Surface: Steel skid resistant safety plate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Cylinders: Dual cylinders 2" bore x 8" stroke, adjustable shaft for platform height adjustment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Unit: Electric hydraulic, 12 volt DC motor, enclosed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical: Shall meet all TMC electrical requirements; includes 150 amp circuit breaker	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Safety Latches: Dual automatic locking pins lock platform in stored position	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed Height Range: 30" loaded to 50" empty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Installed Weight: 775 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories: In-Cab Shut Off Switch and Light Kit		
<i>Extra fabrication for the hitch shall be included</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Note: with this liftgate option you lose rear gates.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4I. <u>Thieman Stow-Away Standard Tailgate Liftgate</u>		
Thieman Model M20ET8436 or equal, to be used with non-dumping platforms with at least 84" CA, 36" of rear overhang, and 12'3" body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steel Platform: 84" x 36" + 6"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Capacity: 2,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operation: Power Up and Power Down; Molded toggle switch controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Cylinder: 3" bore x 10" stroke, adjustable shaft for platform height	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pivot Pins: Non-rotating stress proof material with Nitrotec	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bushings: Low maintenance replaceable bushings at all pivot points	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Snubber: Kit reduces movement during travel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Unit: Electric hydraulic, 12 volt DC motor with solenoid cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 19, 2023

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 -- CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
4I. <u>Thieman Stow-Away Standard Tailgate Liftgate (Cont'd)</u>		
Travel Position: Platform stores under truck body at rear of vehicle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories with Platform: Dock Bumpers, Receiver Hitch Bracket, Rear Impact Guard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4J. <u>Under Body Hoist for Dumping Capabilities</u>		
Rugby SR-5020 truck hoist, or equal, tested at full-rated capacity for an extended life cycle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Class 50 Dump Hoist Approximate Weight: 710 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10' Subframe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Double acting hydraulic pump	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cylinder Specifications: 6" bore, 20" stroke, 2 1/2" diameter rod	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mounting Height: 11.3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Capacity: 9.1-17 tons	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Factory tested for durability and performance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Integrated Body Prop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mounting Distance: 90.25"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulics:		
Direct mount PTO and Pump. PTO must be a Chelsea 210 with direct mount pump and 9 gallon reservoir providing up to 4 gallons per minute.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be operated by a rocker switch mounted in the dash	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4K. <u>Dump-Through Liftgate</u>		
<i>Must be selected with Hoist Option if Gate Required</i>		
Anthony Liftgates Model #AR-DT 1800 dump-through liftgate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Durable roller chain drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marine duty potted toggle switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure compensated flow valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Circuit protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 19, 2023		
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Level ride platform	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
4K. <u>Dump-Through Liftgate (Cont'd)</u>		
3-step powder coat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2-year mechanical and 2-year electrical and hydraulic parts and labor warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90" platform width	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab cut off switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Replaces swing gates or barn doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4L. <u>40" Stake Sides (9'3" Body)</u>		
40" High Removable Stake Sides to fit base unit's 9'3" body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reinforced, E-Track to be installed on lower and center rails of stake sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) sets of E-Track 2" ratchet straps provided with sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40" High Rear Swing Gates Color: Black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4M. <u>40" Stake Sides (12'3" Body)</u>		
<i>Same specifications as option 4L, but for longer 12'3" body option</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4N. <u>Color Option for 40" Stake Sides</u>		
Option to paint 40" stake sides any color different from standard black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4O. <u>52" Stake Sides (9'3" Body)</u>		
52" High Removable Stake Sides to fit base unit's 9'3" body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reinforced, E-Track to be installed on lower and center rails of stake sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) sets of E-Track 2" ratchet straps provided with sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
52" High Rear Swing Gates Upgrade bulkhead to 52"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Color: Black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4P. <u>52" Stake Sides (12'3" Body)</u>		
<i>Same specifications as option 4O, but for longer 12'3" body option</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4Q. <u>Color Option for 52" Stake Sides</u>		
Option to paint 52" stake sides any color different from standard black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 19, 2023		
Adopted on: July 19, 2023		
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NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
<u>4R. 40" Grain Sides (9'3" Body)</u>		
40" High one-piece 14 gauge sides with stakes that adapt to specified body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40" High barn doors, double opening	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 bars that fit across the body to stop the spreading of the sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Color: Black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4S. 40" Grain Sides (12'3" Body)</u>		
Same specifications as option 4R, but for longer 12'3" body option	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4T. Color Option for 40" Grain Sides</u>		
Option to paint 40" grain sides any color different from standard black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4U. 52" Grain Sides (9'3" Body)</u>		
52" High one-piece 14 gauge sides with stakes that adapt to specified body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
52" High barn doors, double opening	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 bars that fit across the body to stop the spreading of the sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Upgrade bulkhead to 52"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Color: Black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4V. 52" Grain Sides (12'3" Body)</u>		
Same specifications as option 4U, but for longer 12'3" body option	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4W. Color Option for 52" Grain Sides</u>		
Option to paint 52" grain sides any color different from standard black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4X. Light Package 1</u>		
Whelen LED Lights (Colors to be indicated at time of order); or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Body upfitter must provide installation of lights so they work in conjunction with the equipment on truck:		
<ul style="list-style-type: none"> • Four (4) Micron Series Super LED in grill • Four (4) 4" ovals on body sides, two (2) each side angled out for oncoming traffic in front of grill 		
Official Resolution # 2020-025	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4Y. Light Package 2

Requires stake or grain sides and dump-through liftgate

Whelen LED Lights (Colors to be indicated at time of order), or equal

Body upfitter must provide installation of lights so they work in conjunction with the equipment on truck:

- Four (4) Micron Series Super LED in grille
- Four (4) 4" ovals on body sides, two (2) each side angled out for oncoming traffic in tissue boxes
- Four (4) rear of body - micron series to work in conjunction with liftgate

4Z. Go Light Work Lights, Model 30004ST

Two (2) Go Light Stryker Work Lights

Permanently mounted on bulkhead

6000 maximum lumens

5 amp draw

9-32 VDC input

Mounted to telescopic poles

4AA. I-Pack Tool Box

Knapheide I-Pack Tool Box mounted between cab and body

Painted to specified color at time of order, base coat and clear coat

Stainless steel continuous hinges, **NO EXCEPTION**

14 gauge Galvaneal shell, E-coat primer, and latches with ABS pans for superior corrosion resistance

4BB. 30" Under Body Tool Box

Weatherguard Tread Plate Aluminum 631-0-02

30 1/8" x 18" x 18"

5.4 cubic feet

Door opening: 13 1/2" high and 25 1/4" wide

Stainless steel D-handles

Introduced on: July 19, 2023

4CC. 48" Under Body Tool Box

Weatherguard Defender Series 300501-9-01, or equal

Official Resolution #: 2023091023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
<u>4CC. 48" Under Body Tool Box (Cont'd)</u>		
48" x 19" x 19"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.5 cubic feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lock System – Push Button	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Material: Aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4DD. Air Compressor, 70 CFM</u>		
VMAC VR70 Underhood Rotary Screw Compressor		
70 CFM, 175 PSI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 gallon receiver tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Throttle control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter/Regulator/Lubricator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relief/Shut-Off valves with all required fittings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hose Reel: 50' of ½" I.D. airline mounted under body (unless specified otherwise at time of order)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4EE. Air Compressor, 150 CFM</u>		
VMAC VR150 Underhood Rotary Screw Compressor		
150 CFM, 175 PSI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 gallon receiver tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Throttle control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter/Regulator/Lubricator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relief/Shut-Off valves with all required fittings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hose Reel: 50' of ½" I.D. airline mounted under body (unless specified otherwise at time of order)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
<u>4FF. Whelen LED 54" Light Bar</u>		
Light Bar LED 54", all modules filled with amber LED OR Red and Blue Modules in lieu of amber lights for Sheriff's Department or OEM (to be indicated at time of order)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear traffic advisor with flashing capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alley lights and takedowns are to be white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Twelve (12) scan lock flash patterns	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controller	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brackets for mounting on safety back rack or bulkhead of platform	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>4GG. 9' Readily Detachable Western Snow Plow System</u>		
<u>Blade Assembly</u>		
Moldboard– 12 gauge (0.104") steel sheet formed to a 17.3" radius with a 1.76" diameter top curl	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ribs -- Eight (8), 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Torsion Tube – 2" diameter, full width, electrically welded to all eight ribs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cutting Edge – Reversible 0.5" x 6" high carbon steel C1080 attached with ten (10) 0.63" Grade 5 carriage bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Disc Shoes – Two (2), full rotation, height adjustable, Austempered Ductile Iron shoes with integral 1" diameter shaft secured to blade with lynch pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shoe brackets shall be welded to vertical ribs Blade Trip – 50° full blade trip	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Springs – Four (4), 2.38" OD x 0.39" diameter, C1060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shock Absorbers – Two (2), 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blade Trip Pivot – Three (3) 0.75" diameter steel pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blade Guides – Two (2) highly visible, vinyl coated, spring wound, with replaceable flags	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plow Angling – 30° right and left	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>A-Frame</u>		
Electrically welded, reinforced, 3" x 3" x 0.19" wall structural steel side plates with 0.50" thick, formed nose plate and integral attachments for angling rams to receive 1" diameter pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
4GG. 9' Readily Detachable Western Snow Plow System (Cont'd)		
A-Frame (Cont'd)		
Lift Chains – Two (2), 0.25" Grade 43 high test steel with 2,600 lb. working load limit, attached with 0.38" U-bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quadrant		
Electrically welded, reinforced, 5" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1" diameter pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A-Frame to Quadrant Angle Pivot – 1" diameter Grade 5 bolt	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Frame		
Lift frame to have provision for attachment of out front hydraulics and light kit Lift Arm – 0.25" x 2" formed bar welded with a 7 gauge steel cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two Plow Stands – Self-storing and adjustable integrated into the plow attachment Mechanism	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Connecting hook and lever with integral with a 0.50" lock pin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Frame – Two piece lift frame with tubular construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lower lift frame to include drive in plow alignment horns	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mount		
Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Attached to truck with Grade 5 fasteners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vehicle, with mount attached, shall meet Federal Motor Vehicle Safety Standards by compliance or by vehicle manufacturing approval	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Removable receiver brackets for additional ground clearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paint		
Plow blade shall be made of shot blasted steel and cleaned with phosphate solutions and have baked-on red polyester powder coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A-Frame, Quadrant and Lift Frame – shall be made of shot blasted steel and cleaned with phosphate solution and have baked-on black powder coating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulics		
Electric solenoid activated and detachable with lift	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
4GG. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Hydraulics (Cont'd)		
Front mounted hydraulic unit consisting of a fixed displacement gear pump with 1750 PSI system relief, direct tang driven by a 4 1/2" 12 volt DC motor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump with filter screen shall be immersed in a steel deep drawn reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main valve manifold shall contain three (3) side mounted and covered solenoid cartridge valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Secondary valve shall contain two (2) driver side and one (1) curb side mounted and covered solenoid cartridge valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cushion relief valves set at 4,000 PSI and a quill adjustment screw to adjust blade drop speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) - 1 1/2" x 8" lift ram and two (2) 1 1/2" x 12" angling rams each with a rod seal, a wiper ring and a gland nut	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic hoses shall be 1/4" steel braided SAE 100R1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic unit shall be controlled by a soft touch, hand held in-cab control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall be equipped with an on/off and mode buttons and indicator lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control can be dash mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In-cab control shall be connected to valve manifold and to the motor through an auxiliary 12-volt multiplexed harness	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power and control harness to have quick disconnects and covers at the grille	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control shall allow plow to be in float when lowered and also be able to angle left or right when in float	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall be a "low side" drive system, which provides positive potential continuously with a switched ground to control the solenoids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable security lockout feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable hydraulic soft stop feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit shall possess programmable one touch float feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4GG. 9' Readily Detachable Western Snow Plow System (Cont'd)

Hydraulics (Cont'd)

Hydraulic fluid shall be MIL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation

Cycle times: Lift, 2.0 seconds; Angle, 5.0 seconds

Hydraulic unit shall stay with plow when plow is disconnected from truck

Lights

Night Hawk LED Plow Lights

Headlights

Comprised entirely of light emitting diodes using solid optic elements for low beam and high beam lights

A reflected LED light for the side lighting using

EdgeView Technology

DRL/Park lights using white lights behind a frosted filter, turn signal utilizing amber lights behind the same frosted filter

Plow Removal

Blade assembly, A-Frame, Quadrant, Lift Frame with hydraulic unit all to be easily removed in one step from truck as one complete unit

Accessories with Plow

- Snow deflector
- Curb guard right and left
- Cab command Hand Held Joystick

4HH. Trailblazer 325 Air Pak

- Model 907549003, or equal
- Battery Charge/Crank Assist with 25' Battery charge/jump cable Part #300422
- Independent Weld and Generator
- Industrial Rotary Screw Air Compressor
- Air Cooler Separator
- RTI Filter
- Desiccant Air Dryer
- Protective Cover
- Wireless Remote Hand Control

4II. Road Department Paint Color Scheme

Adopted on July 19, 2023
School Bus Uniform to 2023 from the bottom of the windows down

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4II. Road Department Paint Color Scheme (Cont'd)

Academy Blue #5240 from the bottom of the windows up to and including cab roof and back

On hood from bottom of windshield to a point on the hood to make a "V" and match the road department fleet

Shall be base coat clear coat
(Note: Not all Vehicles will be painted this way)

4JJ. Slide Bar with Straps

3' slide bar with three (3) 3" ratchet straps mounted under body ratchet bar included

4KK. Stainless Steel V-Box, Hydraulically Operated Hydraulics

PTO must be a Chelsea 210 with direct mount pump and 14 gallon reservoir providing up to 9 gallons per at 1000 rpm, must be a modular manifold cartridge type valve with five (5) year warranty

Shall be operated by the chassis provided upfitter switches

General:

Self-Contained compact material spreader with a capacity of 3.0 cubic yards suitable for mounting on specified truck

Dimensions:

- Outside Hopper Length 9 feet
- Outside Hopper Width 50 feet
- Overall Spreader Length 130 inches
- Overall Spreader Height 71 inches with long chute or 59 inches with short chute
- Capacity 3.0 cubic yards
- Weight 645 lbs

Hopper Construction:

Shall be wrap around and spot welded inside and out

Shall have 16 gauge sides and 16 gauge ends, with the slope closest to the sill at 45° and a bend half way up that adds an additional 13° for a total of 58° from horizontal at the top

Four lift point on each corner for easy handling Three 16 gauge vertical supports on each side

Full length chain guards shall be 14 gauge steel and welded in place

Floor shall be 14 gauge steel. The shell is to be comprised of 201 Stainless Steel

Adopted on: July 19, 2023
Official Resolution#: 2023001023

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4KK. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)

Conveyor:

Shall be drag bar chain type

Overall shall be 100% constructed of 14 gauge 201 stainless steel with a 16 3/4" wide pintle chain conveyor system

Steel pintle chain with 3/16" x 3/4" cross bars

Chain strength is 11,000 lbs. per strand; 22,000 lbs. total

Idler and drive sprockets shall be 6 tooth cast iron on 1 1/8" shafts

The sprockets and idler shaft are to be plated to inhibit corrosion
The chain shall have 3 1/2" adjustment range

Conveyor Drive/Engine:

The dual hydraulic motors shall generate 8.75 HP when supplied with 10 gpm @ 1500 PSI

It shall be 2.8 CIR "H" series Char Lynn or equivalent hydraulic gerotor type with 1/2" npt port, SAE 2B 2-bolt mounting flange and 1" diameter output shaft with .406 diameter cross hole

The pressure rating shall be 2400 PSI max intermittent and 1800 PSI continuous

The flow rating shall be 14 GPM max intermittent and 12 GPM continuous

Drive shaft shall have heavy-duty, sealed, self-aligning ball bearing, equipped with grease fitting

The idler shaft shall have self-aligning 1 1/8" diameter, 2 bolt flange, ball bearings

Conveyor gear case housing shall be cast iron

Gear shall be aluminum bronze

Worm gear shall be hardened steel and ground

Ratio shall be 20:1 with one inch input shaft and 1 1/8" output shaft on tapered roller bearings

Input shaft of gear case to be drive by a chain belt from engine

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4KK. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)

Chute Assembly:

Spinner disk shall be polyurethane, 15.5 inches in diameter, and with four fins

The spinner disk is attached to a 1" diameter plated shaft driven by a pulley and belt from the gear case input shaft

Material is guided from the conveyor to the spinner disk through an enclosed 14 gauge chute housing

Two internal baffles and a stainless steel circular deflector housing enclosing a stainless steel adjustable circular deflector give complete control of spread direction

Width of spread up to 40'

Circular deflector housing protects truck bumper and under parts

The chute shall be fastened with two pins on a hinged housing

Feed Gate:

Shall be lever operated, friction lock with sight gauge for accurate adjustment

Standard Features:

Stainless steel hardware throughout

Shall include heavy-duty top screen constructed from 1/4" diameter rod, Inverted Vee, Hold down kit

Accessories:

Spreader Light

Rear Stainless steel light bar: stop/tail/turn/reverse with amber strobes 6" extension kit

Chain and turnbuckle tie downs

EZ Spread Controller:

The spreader controls shall be capable of operating a granular spreader with auger/conveyor, spinner and pre-wet (or anti-ice) output channels

Each function can be operated individually or all simultaneously

In-cab controller must be an automotive grade product

Introduced on: July 19, 2023
 Any extension or grant of products will not be accepted
 Official Resolution#: 2023001023

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4KK. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)
EZ Spread Controller: (Cont'd)

The liquid channel can operate an electric or hydraulic pre-wet system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controller shall also have an optional dash mount, stand-alone, or console mounting options	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The user shall have the ability to adjust the speed of each function and the amount of granular material or liquid with the soft touch key pad	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The printed PVC soft touch membrane switch interface shall be tested to 5 million impressions for long life and durability	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Touch pad to control granular feed rate or spinner speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All set-up and programming shall be completed using the controller soft key pad with no programming keyboard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controller shall have the ability to connect the feed rate and spinner function for single stroke simultaneous start up	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controller must offer a "Spot Blast" feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spot Blast will activate the Blast with a single keystroke when the controller is paused	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjustable valve unseat mode must be a standard feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The spinner shall increase during Blast; must also be an adjustable option	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The spreader control shall be capable of operating each function in open loop Mode	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spreader must be field configurable to operate either: Ground Speed Oriented or No Ground Speed (simple manual operation) with a single switch setting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controller shall also offer a settable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blast Feature that will function during Ground	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Speed Triggered Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The controller must include integrated protection and diagnosis systems with safety features incorporated into the system	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4KK. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)

EZ Spread Controller: (Cont'd)

Power Safe Wiring Design: For safety reasons, grounding or cutting any wire at any point between any valve coil and the controller must not cause any valve to actuate

One lead from each hydraulic valve coil must be wired to a common ground point System shall be capable of self-diagnosis using the pause indicator LED light

All connections inside the hydraulic valve/electronic control junction box must be IP68 rated

All connectors shall be rated as “6x” – dust proof

All connectors shall be rated as “x8” – protected against the effects of permanent submersion in water as well as showing no corrosion after 500 hours in a 35°C salt spray

System operating temperature range -20 to +40°C

All connections shall be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders

Controller shall have a five (5) year warranty

4LL. Diagnostic Tools / Test Equipment

1. Successful bidder shall be required to supply between one (1) and three (3) complete sets of OEM testing/diagnostic/programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability.

This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable)

2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software

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

Training shall be provided on all items in this section at a specified County

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

4MM. Two-Way Radio Power and Wiring Requirements for New Vehicles

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

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps
- #12 AWG BLACK wire connected to chassis ground
- #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps

Wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator.

Wiring harness shall be clearly labeled "TWO-WAY RADIO". Wires shall be unterminated 12VDC sources shall be protected from making contact with grounded metal surfaces.

4NN. 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.

4OO. Technical Support

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

Introducer (dump body, sweeper, etc.) – 1 day at each location

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

ITEM #4 – CURRENT MODEL YEAR, OR NEWER FORD F550 REGULAR CAB WITH PLATFORM BODY, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
OPTIONS (Cont'd)		
400. Technical Support (Cont'd)		
Technical representative(s) shall be made available for a total of 180 training/support hours (anticipated to be scheduled in six (6) hour blocks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shorter training days shall be allowed only with consent of Vehicle Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total training hours shall be provided and no additional compensation will be considered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Actual time to be spent on each area will be by mutual agreement of the Vehicle Services Department and the successful bidder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Support for Vehicle Services may be provided at the following fleet maintenance facility locations as scheduled by a Vehicle Services Department representative:		
<ul style="list-style-type: none"> • 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 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Successful bidder shall provide Technical Support sessions for other Departments which will be held at an Ocean County location specified by the requesting Department	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Training at the successful bidder's site, rather than the designated locations, will be by mutual consent only	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>