Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

Director John P. Kelly

Deputy Director Frank Sadeghi

Commissioner Robert S. Arace

Commissioner Jennifier Bacchione

Commissioner Virginia E. Haines

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

Board Meeting Agenda

Date: September 30, 2025 - 4:00 PM

Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

Agenda: Awarding Contracts for the furnishing and delivery of MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS to Able Ford of New Jersey, Inc.; and Paramus Ford, Inc. dba All American Ford of Paramus, the lowest qualified bidders. (B2025-143)

Official Resolution#	**2025001393**
Meeting Date	09/30/2025
Introduced Date	09/30/2025
Adopted Date	09/30/2025
Agenda Item	m-4
CAF #	
Purchase Req. #	B2025-143
Result	Adopted

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

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

Michelle L. Gunther

Clerk Of The Board

CONTRACT NO MUST BE ON PAPERS, DOCUMENTS, INVOICES, VOUCHERS
NO. B2025-143

RESOLUTION

September 30, 2025

WHEREAS, on September 3, 2025, pursuant to legal advertisements therefor, sealed bids were received for the 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:

Name and Address of Bidder
Able Ford of New Jersey, Inc.
3698 U.S. Highway 9
Old Bridge, New Jersey 08857
(732) 672-1917

Name and Address of Bidder
Paramus Ford, Inc.
dba All American Ford of Paramus
375 Route 17 South
Paramus, NJ 07652
(856) 816-5494

Zo Motors North America LLC
10271 Almond Avenue
Fontana, CA 92335
(888) 589-6878

United Ford LLC
211 County Avenue
Secaucus, NJ 07094
(201) 617-0700

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bids, according to specifications, namely that of, ABLE FORD OF NEW JERSEY, INC. and PARAMUS FORD, INC. DBA ALL AMERICAN FORD OF PARAMUS, be accepted.

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

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract accepting the bid for the Motor Vehicles: Various Bodied Heavy Duty Trucks, for the County of Ocean; contract period shall be for one (1) year from date of award, or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract, pursuant to N.J.S.A. 40A:11-15. The County reserves the right to extend the contract for one (1) additional year by mutual agreement between the County and the Contractor with no increase in base price.

A. ABLE FORD OF NEW JERSEY, INC. for one hundred and fourteen (114) 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, 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, 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 and 4NN.

For a Total Lump Sum Award Item No. 1 (Item Nos. 1 - 1AA) of $5,218,200.00.
For a Total Lump Sum Award Item No. 3 (Item Nos. 3 - 3RR) of $5,453,440.00.
For a Total Lump Sum Award Item No. 4 (Item Nos. 4 - 4NN) of $6,760,560.00.
This vendor has extended this contract to County Cooperative Contract System Participants, Identifier No. CK-02-OC.

B. PARAMUS FORD, INC. DBA ALL AMERICAN FORD OF PARAMUS for eighty-four (84) items, to wit:
ITEM NOS. 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, 2WW, 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 and 5GG.
For a Total Lump Sum Award Item No. 2 (Item Nos. 2 - 2WW) of $7,200,380.00.
For a Total Lump Sum Award Item No. 5 (Item Nos. 5 - 5GG) of $8,192,560.00.
This vendor has extended this contract to County Cooperative Contract System Participants, Identifier No. CK-02-OC.

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

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

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2025-143.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, Purchasing Department, Finance Department, Vehicle Services and the successful bidders.

12. 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

13. 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	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1	Current Model Year, or Newer, Ford F550 Regular Cab with Steel Dump Body As Specified, or Equal	20	EA	$84,667.00	$1,693,340.00		2026	180	3-year 36,000 bumper to bumper//5-year 100,000 powertrain	
OPTIONS										

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1A	Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle, As Specified	20	EA	$2,601.00	$52,020.00					
1B	Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle, As Specified	20	EA	$4,039.00	$80,780.00					
1C	Upgrade to Regular Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					
1D	Upgrade to Super Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					
1E	Upgrade to Crew Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1F	Fold Down Sides on Standard Dump Body, As Specified or Equal	20	EA	$1,086.00	$21,720.00					
1G	Stainless Steel Body Upgrade Dimensions, As Specified or Equal	20	EA	$10,080.00	$201,600.00					
1H	Stainless Steel Fold Down Sides for Stainless Steel Body Option, As Specified or Equal	20	EA	$2,270.00	$45,400.00					
1I	Body Paint Option for Stainless Steel Body Upgrade, As Specified or Equal	20	EA	$3,965.00	$79,300.00					
1J	Central Hydraulic System Hydraulic Pump, As Specified or Equal	20	EA	$21,795.00	$435,900.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1K	Stainless Steel UTG Spreader General, As Specified or Equal	20	EA	$8,446.00	$168,920.00					
1L	Dump-Through Liftgate, As Specified or Equal	20	EA	$9,318.00	$186,360.00					
1M	I-Pack Tool Box, As Specified or Equal	20	EA	$5,375.00	$107,500.00					
1N	ProTech Aluminum I-Pack with Stainless Steel Doors PN # 20-2737, As Specified or Equal	20	EA	$6,185.00	$123,700.00					
1O	30" Under Body Tool Box, As Specified or Equal	20	EA	$1,642.00	$32,840.00					
1P	Stainless Steel V-Box General, As Specified or Equal	20	EA	$31,311.00	$626,220.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1Q	Spreader Leg Stand Kit PN #3037295, As Specified or Equal	20	EA	$5,251.00	$105,020.00					
1R	Air Compressor, 70 CFM, As Specified or Equal	20	EA	$16,296.00	$325,920.00					
1S	Air Compressor, 150 CFM, As Specified or Equal	20	EA	$20,713.00	$414,260.00					
1T	Go-Lights, Model 30264, As Specified or Equal	20	EA	$2,000.00	$40,000.00					
1U	9' Readily Detachable Western Snow Plow System, As Specified or Equal	20	EA	$7,821.00	$156,420.00					
1V	Poly Electric Spreader Dimensions, As Specified or Equal	20	EA	$7,685.00	$153,700.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1W	Special Paint Colors Not on the Standard Color Chart, As Specified or Equal	20	EA	$2,770.00	$55,400.00					
1X	Diagnostic Tools / Test Equipment, As Specified	3	SET	$9,500.00	$28,500.00					
1Y	Two-Way Radio Power and Wiring Requirements for New Vehicle, As Specified	20	EA	$344.00	$6,880.00					
1Z	Installation of County Supplied Two Way Radio and Accessories, As Specified	20	EA	$1,350.00	$27,000.00					
1AA	Technical Support, As Specified	180	HOUR	$175.00	$31,500.00					
TOTAL					$5,218,200.00					

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

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
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

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3	Current Model Year, Or Newer, Ford F550 Regular Cab With Enclosed Utility Service Body, As Specified or Equal	20	EA	$98,104.00	$1,962,080.00		2026	180	3-year 36,000 bumper to bumper//5-year 100,000 powertrain	
OPTIONS										
3A	Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle, As Specified or Equal	20	EA	$1,800.00	$36,000.00					
3B	Upgrade Chassis to Crew Cab Chassis, Retaining 60" Cab to Axle, As Specified or Equal	20	EA	$3,800.00	$76,000.00					
3C	Upgrade to Regular Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3D	Upgrade to Super Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					
3E	Upgrade to Crew Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					
3F	Medium Height Enclosed Body Upgrade, As Specified or Equal	20	EA	$492.00	$9,840.00					
3G	High Height Enclosed Body Upgrade, As Specified or Equal	20	EA	$977.00	$19,540.00					
3H	11 Foot Low Height Enclosed Body Upgrade For Use With 84" CA Chassis, As Specified or Equal	20	EA	$1,100.00	$22,000.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3I	11 Foot Medium Height Enclosed Body Upgrade For Use With 84" CA Chassis, As Specified or Equal	20	EA	$1,693.00	$33,860.00					
3J	11 Foot High Height Enclosed Body Upgrade for Use with 84" CA Chassis, As Specified or Equal	20	EA	$2,170.00	$43,400.00					
3K	Aluminum Body Upgrade from Steel, As Specified or Equal	20	EA	$6,054.00	$121,080.00					
3L	Medium Height Enclosed Body Upgrade, As Specified or Equal	20	EA	$6,600.00	$132,000.00					
3M	High Height Enclosed Body Upgrade, As Specified or Equal	20	EA	$7,147.00	$142,940.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3N	11' Medium Height Enclosed Body Upgrade for Use with 84" CA, As Specified or Equal	20	EA	$9,954.00	$199,080.00					
3O	11' High Height Enclosed Body Upgrade for Use with 84" CA, As Specified or Equal	20	EA	$10,508.00	$210,160.00					
3P	Side Access Doors in Roof, As Specified or Equal	20	EA	$2,538.00	$50,760.00					
3Q	Bottle Retainer Compartment, As Specified or Equal	20	EA	$5,101.00	$102,020.00					
3R	BASF DTE Liner AXALTA, As Specified or Equal	20	EA	$1,260.00	$25,200.00					
3S	Whelen M9 Super LED Scene Lights, As Specified or Equal	20	EA	$898.00	$17,960.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3T	Inverter, As Specified or Equal	20	EA	$6,685.00	$133,700.00					
3U	BASF Spray Liner on Floor and Sides of Cargo Area, As Specified or Equal	20	EA	$955.00	$19,100.00					
3V	BASF Spray Liner on Floor of Compartments, As Specified or Equal	20	EA	$1,500.00	$30,000.00					
3W	Hide-A-Way Bumper Crane, As Specified or Equal	20	EA	$13,142.00	$262,840.00					
3X	Whelen LED Liberty II Wecan X 54" Light Bar, As Specified or Equal	20	EA	$5,473.00	$109,460.00					
3Y	Light Color Option for Liberty II Wecan X 54" Light Bar, As Specified or Equal	20	EA	$1.00	$20.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3Z	Emergency Lighting LED Body Lights, As Specified or Equal	20	EA	$310.00	$6,200.00					
3AA	Maxon Liftgate, As Specified or Equal	20	EA	$5,550.00	$111,000.00					
3BB	Subfloor, As Specified or Equal	20	EA	$1,923.00	$38,460.00					
3CC	Transverse Compartment, As Specified or Equal	20	EA	$6,309.00	$126,180.00					
3DD	C-Tech Drawer Unit, As Specified or Equal	20	EA	$2,308.00	$46,160.00					
3EE	Air Compressor, 70 CFM, As Specified or Equal	20	EA	$17,477.00	$349,540.00					
3FF	Air Compressor, 150 CFM, As Specified or Equal	20	EA	$22,171.00	$443,420.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3GG	Go-Lights, Model 3024, As Specified or Equal	20	EA	$1,907.00	$38,140.00					
3HH	9' Readily Detachable Western Snow Plow System, As Specified or Equal	20	EA	$7,821.00	$156,420.00					
3II	Winch, As Specified or Equal	20	EA	$6,350.00	$127,000.00					
3JJ	Husky 815-Piece Mechanic's Tool Set, As Specified or Equal	20	EA	$3,307.00	$66,140.00					
3KK	Truck Steel Air/Hydraulic Service Jack, As Specified or Equal	20	EA	$1,977.00	$39,540.00					
3LL	1700 Peak Amp 12 Volt Jump Starter, As Specified or Equal	20	EA	$231.00	$4,620.00					
3MM	Booster Jump Set, As Specified or Equal	20	EA	$485.00	$9,700.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
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Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
3NN	Special Paint Colors Not on the Standard Color Chart, As Specified	20	EA	$1,000.00	$20,000.00					
3OO	Diagnostic Tools / Test Equipment, As Specified	3	SET	$9,500.00	$28,500.00					
3PP	Two-Way Radio Power and Wiring Requirements for New Vehicle, As Specified	20	EA	$344.00	$6,880.00					
3QQ	Installation of County Supplied Two Way Radio and Accessories, As Specified	20	EA	$1,350.00	$27,000.00					
3RR	Technical Support, As Specified	180	HOUR	$175.00	$31,500.00					
TOTAL					$5,453,440.00					

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

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4	Current Model Year, Or Newer Ford F550 Regular Cab With Platform Body, As Specified or Equal	20	EA	$79,229.00	$1,584,580.00		2026	180	3-year 36,000 bumper to bumper//5-year 100,000 powertrain	
OPTIONS										
4A	Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle, As Specified or Equal	20	EA	$1,800.00	$36,000.00					
4B	Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle, As Specified or Equal	20	EA	$3,300.00	$66,000.00					
4C	Upgrade to Regular Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4D	Upgrade to Super Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					
4E	Upgrade to Crew Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$300.00	$6,000.00					
4F	Upgrade to Regular Cab chassis with 108" Cab to Axle, As Specified or Equal	20	EA	$900.00	$18,000.00					
4G	Upgrade to 12'3" Platform Body with Removable Stake for use with 84" CA Chassis, As Specified or Equal	20	EA	$6,312.00	$126,240.00					
4H	Thieman TT Liftgate, As Specified or Equal	20	EA	$6,100.00	$122,000.00					

[ABLE FORD OF NEW JERSEY] RESPONSE 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	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4I	Thieman Stow-Away Standard Tailgate Liftgate, As Specified or Equal	20	EA	$7,905.00	$158,100.00					
4J	Under Body Hoist for Dumping Capabilities, As Specified or Equal	20	EA	$11,078.00	$221,560.00					
4K	Dump-Through Liftgate, As Specified or Equal	20	EA	$9,575.00	$191,500.00					
4L	40" Stake Sides (9'3" Body), As Specified or Equal	20	EA	$4,421.00	$88,420.00					
4M	40" Stake Sides (12'3" Body), As Specified or Equal	20	EA	$6,500.00	$130,000.00					
4N	Color Option for 40" Stake Sides, As Specified or Equal	20	EA	$1,670.00	$33,400.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4O	52" Stake Sides (9'3" Body), As Specified or Equal	20	EA	$6,130.00	$122,600.00					
4P	52" Stake Sides (12'3" Body), As Specified or Equal	20	EA	$6,521.00	$130,420.00					
4Q	Color Option for 52" Stake Sides, As Specified or Equal	20	EA	$1,670.00	$33,400.00					
4R	40" Grain Sides (9'3" Body), As Specified or Equal	20	EA	$3,539.00	$70,780.00					
4S	40" Grain Sides (12'3" Body), As Specified or Equal	20	EA	$3,995.00	$79,900.00					
4T	Color Option for 40" Grain Sides, As Specified or Equal	20	EA	$1,670.00	$33,400.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4U	52" Grain Sides (9'3" Body), As Specified or Equal	20	EA	$6,007.00	$120,140.00					
4V	52" Grain Sides (12'3" Body), As Specified or Equal	20	EA	$6,533.00	$130,660.00					
4W	Color Option for 52" Grain Sides, As Specified or Equal	20	EA	$1,670.00	$33,400.00					
4X	Light Package 1, As Specified or Equal	20	EA	$2,794.00	$55,880.00					
4Y	Light Package 2, As Specified or Equal	20	EA	$3,368.00	$67,360.00					
4Z	Go Light Work Lights, Model 30004ST, As Specified or Equal	20	EA	$4,156.00	$83,120.00					
4AA	I-Pack Tool Box, As Specified or Equal	20	EA	$5,375.00	$107,500.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4BB	30" Under Body Tool Box, As Specified or Equal	20	EA	$1,593.00	$31,860.00					
4CC	48" Under Body Tool Box, As Specified or Equal	20	EA	$1,941.00	$38,820.00					
4DD	Air Compressor, 70 CFM, As Specified or Equal	20	EA	$16,296.00	$325,920.00					
4EE	Air Compressor, 150 CFM, As Specified or Equal	20	EA	$20,713.00	$414,260.00					
4FF	Whelen LED 54" Light Bar, As Specified or Equal	20	EA	$5,473.00	$109,460.00					
4GG	9' Readily Detachable Western Snow Plow System, As Specified or Equal	20	EA	$7,821.00	$156,420.00					
4HH	Trailblazer 325 Air Pak, As Specified or Equal	20	EA	$36,095.00	$721,900.00					

[ABLE FORD OF NEW JERSEY] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
4II	Slide Bar with Straps, As Specified or Equal	20	EA	$1,164.00	$23,280.00					
4JJ	Stainless Steel V-Box, Hydraulically Operated Hydraulics, As Specified or Equal	20	EA	$49,120.00	$982,400.00					
4KK	Diagnostic Tools / Test Equipment, As Specified	3	SET	$9,500.00	$28,500.00					
4LL	Two-Way Radio Power and Wiring Requirements for New Vehicle, As Specified	20	EA	$344.00	$6,880.00					
4MM	Installation of County Supplied Two Way Radio and Accessories, As Specified	20	EA	$1,350.00	$27,000.00					
4NN	Technical Support, As Specified	180	HOUR	$175.00	$31,500.00					
TOTAL					$6,760,560.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2	Current Model Year, or newer Ford F550 Regular Cab with 9 Foot Utility Body, As Specified or Equal	20	EA	$87,558.00	$1,751,160.00		2026 Ford F550	7 plus months depending on options	See attached informatin	
OPTIONS										
2A	Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle, As Specified or Equal	20	EA	$2,640.00	$52,800.00					
2B	Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle, As Specified or Equal	20	EA	$4,137.00	$82,740.00					
2C	Upgrade to Regular Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$501.00	$10,020.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2D	Upgrade to Super Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$2,806.00	$56,120.00					
2E	Upgrade to Crew Cab chassis with 84" Cab to Axle, As Specified or Equal	20	EA	$4,307.00	$86,140.00					
2F	9' Aluminum Utility Body Upgrade Body Shell, As Specified or Equal	20	EA	$2,769.00	$55,380.00					
2G	11 Foot Body Upgrade, As Specified or Equal	20	EA	$2,846.00	$56,920.00					
2H	Maxon Liftgate, As Specified or Equal	20	EA	$5,450.00	$109,000.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2I	Flip Top Compartment both Street and Curbside for 9 Foot Utility Body, As Specified or Equal	20	EA	$2,077.00	$41,540.00					
2J	Flip Top Compartment both Street and Curbside for 11 Foot Utility Body, As Specified or Equal	20	EA	$2,385.00	$47,700.00					
2K	Raised Front Curbside Compartment for Both 9 Foot and 11 Foot Utility Bodies (bottle gas retainer not included), As Specified or Equal	20	EA	$1,146.00	$22,920.00					
2L	Bottle Retainer Compartment, As Specified or Equal	20	EA	$3,685.00	$73,700.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2M	High Compartment Body, 9 Foot Utility Body, As Specified or Equal	20	EA	$6,153.00	$123,060.00					
2N	High Compartment Body, 11 Foot Utility Body, As Specified or Equal	20	EA	$6,000.00	$120,000.00					
2O	Subfloor with Full Height Tailgate, As Specified or Equal	20	EA	$3,231.00	$64,620.00					
2P	Transverse Compartment, As Specified or Equal	20	EA	$6,155.00	$123,100.00					
2Q	C-Tech Drawer Unit for Standard Height Body, As Specified or Equal	20	EA	$2,162.00	$43,240.00					
2R	C-Tech Drawer Unit for 60" High Utility Body, As Specified or Equal	20	EA	$3,488.00	$69,760.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2S	Venco Venturo 4,000 LB. Electric Crane, As Specified or Equal	20	EA	$32,215.00	$644,300.00					
2T	Custom Rear Work Bumper, As Specified or Equal	20	EA	$5,720.00	$114,400.00					
2U	Telescopic Sliding Roof – 9' Body (High Sides), As Specified or Equal	20	EA	$2,500.00	$50,000.00					
2V	Telescopic Sliding Roof – 11' Body (High Sides), As Specified or Equal	20	EA	$4,000.00	$80,000.00					
2W	Ladder Rack, As Specified or Equal	20	EA	$2,380.00	$47,600.00					
2X	E-Track Down Each Side of Body – 2" from Top of Compartments, As Specified or Equal	20	EA	$846.00	$16,920.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2Y	Four (4) 2' X 12" Ratchet Straps, As Specified or Equal	20	EA	$52.00	$1,040.00					
2Z	BASF Spray Liner on Floor of Compartments, As Specified or Equal	20	EA	$1,500.00	$30,000.00					
2AA	Whelen LED Liberty II Wecan X 54" Light Bar, As Specified or Equal	20	EA	$5,473.00	$109,460.00					
2BB	Light Color Option for Liberty II Wecan X 54" Light Bar, As Specified or Equal	20	EA	$0.00	$0.00					
2CC	Emergency Lighting Split Red Blue Body Lights, As Specified or Equal	20	EA	$280.00	$5,600.00					
2DD	Trailblazer 302 Air Pak, As Specified or Equal	20	EA	$37,886.00	$757,720.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2EE	Winch, As Specified or Equal	20	EA	$6,350.00	$127,000.00					
2FF	Air Compressor, 150 CFM, As Specified or Equal	20	EA	$22,171.00	$443,420.00					
2GG	Pioneer Flood Light Head – Model PFH2P1, As Specified or Equal	20	EA	$2,622.00	$52,440.00					
2HH	Cast Iron Mechanic's Vise on Removable Plate with Receiver Type Hitch, As Specified or Equal	20	EA	$1,603.00	$32,060.00					
2II	Husky 815-Piece Mechanic's Tool Set, As Specified or Equal	20	EA	$3,307.00	$66,140.00					
2JJ	Truck Steel Air/Hydraulic Service Jack, As Specified or Equal	20	EA	$1,977.00	$39,540.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2KK	1700 Peak Amp 12 Volt Jump Starter, As Specified or Equal	20	EA	$231.00	$4,620.00					
2LL	Booster Jump Set, As Specified or Equal	20	EA	$485.00	$9,700.00					
2MM	Vehicle Special Order Paint Colors Not On the Standard Color Chart, As Specified	20	EA	$660.00	$13,200.00					
2NN	EnPak A30GBW, As Specified or Equal	20	EA	$45,645.00	$912,900.00					
2OO	Inverter, As Specified or Equal	20	EA	$6,685.00	$133,700.00					
2PP	Go-Lights, Model 3024, As Specified or Equal	20	EA	$2,800.00	$56,000.00					
2QQ	9' Readily Detachable Western Snow Plow System, As Specified or Equal	20	EA	$7,821.00	$156,420.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
2RR	Poly Electric Spreader, As Specified or Equal	20	EA	$7,710.00	$154,200.00					
2SS	Pipe Vise on Removable Plate with Receiver Type Hitch, As Specified or Equal	20	EA	$1,860.00	$37,200.00					
2TT	Diagnostic Tools / Test Equipment, As Specified	3	SET	$6,000.00	$18,000.00					
2UU	Two-Way Radio Power and Wiring Requirements for New Vehicle, As Specified	20	EA	$344.00	$6,880.00					
2VV	Installation of County Supplied Two Way Radio and Accessories, As Specified	20	EA	$1,350.00	$27,000.00					
2WW	Technical Support, As Specified	180	HOUR	$350.00	$63,000.00					
TOTAL					$7,200,380.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
5	Current Model Year, Or Newer, Ford F550 Regular Cab With Switch-N-Go Detachable Truck Body System Including Accessories, As Specified or Equal	20	EA	$96,034.00	$1,920,680.00		2026 Ford F550	9 plus months depending on options	See attached brochure	
OPTIONS										
5A	9.0' Readily Detachable Snowplow System, As Specified or Equal	20	EA	$7,950.00	$159,000.00					
5B	Cirrus Hydraulics System, As Specified or Equal	20	EA	$29,793.00	$595,860.00					
5C	Large Stainless Steel VBox Spreader, As Specified or Equal	20	EA	$37,841.00	$756,820.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
5D	Dump Body for 11' Floor Length, As Specified or Equal	20	EA	$14,011.00	$280,220.00					
5E	Stainless Steel Dump Body for 11' Floor Length, As Specified or Equal	20	EA	$25,595.00	$511,900.00					
5F	Platform 11' Overall Floor Length, As Specified or Equal	20	EA	$8,590.00	$171,800.00					
5G	Medium Duty Dump Box, As Specified or Equal	20	EA	$11,010.00	$220,200.00					
5H	Medium Duty Dump Box High Sides, As Specified or Equal	20	EA	$11,050.00	$221,000.00					
5I	Manual Tarp, As Specified or Equal	20	EA	$420.00	$8,400.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
5J	Stake Sides and Removable Rear Stakes, As Specified or Equal	20	EA	$4,290.00	$85,800.00					
5K	Horizontal Split Door for Use Chipper Top, As Specified or Equal	20	EA	$2,460.00	$49,200.00					
5L	24" Deep Chipper Top, As Specified or Equal	20	EA	$3,260.00	$65,200.00					
5M	Coal Chute, As Specified or Equal	20	EA	$950.00	$19,000.00					
5N	Side Door in Drop Box, As Specified or Equal	20	EA	$2,960.00	$59,200.00					
5O	Mason Type Tarp, As Specified or Equal	20	EA	$620.00	$12,400.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No TBD
MOTOR VEHICLES VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
5P	Split Doors for Drop Box For Chipper or Leaf Application, As Specified or Equal	20	EA	$3,308 00	$66,160 00					
5Q	Fold Down Sides Steel, As Specified or Equal	20	EA	$1,030 00	$20,600 00					
5R	Fold Down Sides Aluminum, As Specified or Equal	20	EA	$17,200 00	$344,000 00					
5S	Light Package, As Specified or Equal	20	EA	$1,520 00	$30,400 00					
5T	Go Lights, As Specified or Equal	20	EA	$761 00	$15,220 00					
5U	Stainless Steel UTG Spreader, As Specified or Equal	20	EA	$8,524 00	$170,480 00					
5V	Flat Bed Service Body, As Specified or Equal	20	EA	$26,608 00	$532,160 00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
5W	Brine Water Tank, As Specified or Equal	20	EA	$32,660.00	$653,200.00					
5X	48" Under Body Tool Box, As Specified or Equal	20	EA	$1,955.00	$39,100.00					
5Y	30" Under Body Tool Box, As Specified or Equal	20	EA	$1,554.00	$31,080.00					
5Z	Arbor Body: AB-11, As Specified or Equal	20	EA	$13,620.00	$272,400.00					
5AA	Work Ready Subframe: WRSF-11, As Specified or Equal	20	EA	$4,500.00	$90,000.00					
5BB	Maxscaper 12' Aluminum Landscaper Body Attachment, As Specified or Equal	20	EA	$26,360.00	$527,200.00					
5CC	Chipper Leaf Top for Landscaper, As Specified or Equal	20	EA	$7,450.00	$149,000.00					

[PARAMUS FORD INC DBA ALL AMERICAN FORD OF PARAMUS] RESPONSE DOCUMENT REPORT
Bid No. TBD
MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
5DD	Diagnostic Tools / Test Equipment, As Specified	3	SET	$6,000.00	$18,000.00					
5EE	Two-Way Radio Power and Wiring Requirements for New Vehicle, As Specified	20	EA	$344.00	$6,880.00					
5FF	Installation of County Supplied Two Way Radio and Accessories, As Specified	20	EA	$1,350.00	$27,000.00					
5GG	Technical Support, As Specified	180	HOUR	$350.00	$63,000.00					
TOTAL					$8,192,560.00					

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
CHASSIS SPECIFICATIONS (CONT'D)		
Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	☑	☐
Interval windshield wipers	☑	☐
Driver & passenger grab handles	☑	☐
Standard XL Rear view camera and prep kit	☑	☐
Chome hub covers front bumper/grill		
3-year/36,000 mile bumper-to-bumper warranty on OE components	☑	☐
5-year/60,000 mile powertrain warranty	☑	☐
Shift on the fly	☑	☐
Cab steps, molded black (running boards) 18B	☑	☐
Snow plow prep package 473	☑	☐
Single color to be selected from standard color chart at time of order	☑	☐
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 D6A C6R	☑	☐

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.	☑	☐
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.	☑	☐
The minimum floor surface width is 82"	☑	☐
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.	☑	☐
Longsills to be 5" structural C-channel, Cross sill shall be 3" I-beam, spaced approximately 16" apart and reinforced with gussets.	☑	☐

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
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 ¼" 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.	☑	☐

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
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:		
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 tabletop 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	☑	☐

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

	COMPLIANCE YES	NO
ACCESSORIES (Cont'd)		
Two (2) pull out ladders mounted behind the cab. Grab handle mounted to work in conjunction with ladders	☑	☐
Stone shields and mud flaps	☑	☐
LED strobe system: • Six (6) oval strobe lights to be mounted in cab shield • Four (4) facing forward • One (1) on each side of cab shield • Two (2) facing rear in rear corner posts	☑	☐
6" high oak boards covered in aluminum diamond plate	☑	☐
LED spreader light	☑	☐
Spreader chain kit	☑	☐
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 • 6" red and yellow inverted V in face of tailgate	☑	☐
OPTIONS		
1A. **Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle**	☑	☐
1B. **Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle**	☑	☐
1C. **Upgrade to Regular Cab chassis with 84" Cab to Axle**	☑	☐
1D. **Upgrade to Super Cab chassis with 84" Cab to Axle**	☑	☐
1E. **Upgrade to Crew Cab chassis with 84" Cab to Axle**	☑	☐
1F. **Fold Down Sides on Standard Dump Body**	☑	☐
1G. **Stainless Steel Body Upgrade Dimensions** Eliminator by DeJana fixed side steel dump body, as specified or equal	☑	☐
Material: stainless steel, specifically ASTM A240 type 201 stainless steel having a minimum yield strength of 52,900 psi.	☑	☐
201 Stainless Steel Dump Body	☑	☐

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 Dimensions (Cont'd)		
Length: 9' EXCEPTION – 20 6B4	☑	☐
Width: 96" ELIMINATOR STAINLESS STEEL BODY ONLY	☑	☐
Inner Side Height: 17" High		
Inner Tailgate Height: 23" High		
Rated Capacity: 3.3 Cubic Yards with 10" Side Extensions		
Floor and Understructure		
Floor shall be fabricated from a single sheet of 3/16" AR400 (175,000 PSI Tensile Strength) and is of a crossmemberless design	☑	☐
Floor sheet is formed with angle down at the outside edge on both sides to prevent material from hanging up when fold down sides are open. Rear edge of floor sheet is reinforced to prohibit deflection and maintain a positive long lasting tailgate seal.	☑	☐
Rear apron shall be 8" high, full width design and made with 10 gauge steel	☑	☐
Rear apron to include 3 FMVSS 108 compliant clearance lamps mounted in shock resistant rubber grommets	☑	☐
Body Front & Side		
Front shall be fabricated from 12 gauge 201 stainless 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 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.	☑	☐
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 12-gauge stainless steel with fully boxes dirt shedding top and bottom rails and in and incorporates 2 vertical braces	☑	☐
Tailgate shall be recessed flush with rear edge of corner post	☑	☐
Tailgate shall be of double acting design incorporating Rugy's patented EZ Latch system with cam action	☑	☐

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 Dimensions (Cont'd)		
Tailgate (Cont'd)		
EZ Latches shall be easily accessible from the ground and shall be located on sides of left and right corner posts	☑	☐
Lower tailgate latch release handle is located at the left front corner of the body	☑	☐
Tailgate top pins are 1.25" and bottom pins are 1.00" diameter	☑	☐
Shall include ¼" proof coil chain and banjo eye slotted holders in corner posts to allow the tailgate to lay flush with the floor	☑	☐
Lights/Wiring		
All lamps/reflectors excess FMVSS 108 Requirements	☑	☐
Lamps shall be LED flush mounted in shock resistant rubber grommets	☑	☐
Ear rear corner post shall include a rear facing auxiliary stop/turn lamp LED	☑	☐
Color-coded wire harnesses shall be provided	☑	☐
Body up light in cab	☑	☐
Cabshield		
Fabricated from 12 gauge 201 stainless steel, slotted viewing window. Design to be ½ cabshield and non tapered.	☑	☐
EXCEPTION RUBBER ELIMINATOR STAINLESS		
1H. Stainless Steel Fold Down Sides for Stainless Steel Body Option	☐	☑
EXCEPTION PAINT ELIMINATOR SS BODY - UNPAINTED		
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.	☑	☐
The pump shall be a gear pump that is direct mounted to a hotshift PTO for a live transmission with gasoline engine	☑	☐

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)		
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	☑	☐
The suction hose to the pump shall be a minimum of 1 ¼" I.D. SAE 100-R4 hose	☑	☐
The PTO shall be a Parker/Chelsea 210 series and have a ratio of 144%	☑	☐
Heat shield to protect PTO wiring	☑	☐
The PTO shall be engaged/disengaged from the cab by a dash mounted 12VDC on/off switch	☑	☐
In power over speed protection required	☑	☐
Modular Manifold Central Hydraulic System		
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	☑	☐
The central hydraulic valve system shall be specifically designed for low volume hydraulic pump output	☑	☐
All implements will function simultaneously	☑	☐
The modular manifold must be constructed of 6061 anodized aluminum material	☑	☐
The modular manifold shall be adjustable to a maximum pressure of 3,500 PSI with multiple flow and pressure performance and with function configuration	☑	☐
The modular manifold will consist of multiple sections bolted together for multiple function configurations	☑	☐
The entire hydraulic system shall be completely serviceable without removing from the enclosure or disassembling the sections	☑	☐
A one-piece manifold will not meet the intent of the specification for easy maintenance and service	☑	☐
The modular manifold must be capable of operating in either open center (fixed displacement) or closed center (variable displacement) hydraulic circuits	☑	☐

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

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	☑	☐

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 (Cont'd)		
Controller must include integrated protection and diagnostic systems with safety features incorporated into the system	☑	☐
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	☑	☐
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	☑	☐
System must supply pulsed +12 volt power to the other lead from each individual valve coil	☑	☐
All connections inside the hydraulic valve/electronic control junction box must be IP 68 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 -4 to +104°F (-20° to +40°C)	☑	☐
All connections shall be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders	☑	☐
Cirus EZ1 Controller shall have a five (5) year warranty	☑	☐
Certified Cirus Lamprey Plow/Hoist Controller		
In-cab control system shall have one (1) fully proportional multi-function joystick	☑	☐
Joystick shall be Hall Effect (magnetic) with no magnetic contacts (amusement/gaming joysticks are **NOT ACCEPTABLE**)	☑	☐
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	☑	☐
Dash mounted momentary hoist switch shall be available when seat mounted controls are removed	☑	☐

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)		
Certified Cirus Lamprey Plow/Hoist Controller (Cont'd)		
Dump body hoist shall be controlled by a single joystick	☑	☐
Hoist control lever must have a safety trigger protection for the hoist function	☑	☐
Control lever will include a programmable plow float function (free-floating system requires a single acting valve)	☑	☐
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	☑	☐
Controller shall include integrated protection and diagnosis systems with safety features incorporated into the system	☑	☐
Channel Safe: protects the system and helps diagnose external shorted or open circuits	☑	☐
SafeStik that shuts down the output channels if a joystick fails	☑	☐
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	☑	☐
One (1) lead from each hydraulic valve coil must be wired to a common ground point	☑	☐
System must supply pulsed +12 volt power to the other lead from each individual valve coil	☑	☐
All connections at the hydraulic control junction box must be IP 68 rated	☑	☐
Outside the cab harness will be IP 68 rated up to the valve coil connection	☑	☐
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 operation temperature range -4 to +104°F (-20° to +40°C)	☑	☐
All connections shall be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders	☑	☐

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)		
Certified Cirus Lamprey Plow/Hoist Controller (Cont'd)		
Installing vendor must be authorized to perform warranty repairs and periodic maintenance on Cirus products	☑	☐
Stainless Steel Reservoir/Valve Enclosure		
Valve sections and manifold shall be mounted in a 304 stainless steel combination reservoir and enclosure	☑	☐
Overall width of the combo shall not exceed 27.66 inches	☑	☐
Enclosure shall be constructed in such a manner that any required maintenance or repair of the valves can be accomplished without obstruction	☑	☐
Valve mount plate shall slide forward for work port access	☑	☐
Enclosure shall be mounted with a minimum of 1" frame clearance on each side of the combo	☑	☐
Reservoir shall have a 14 gallon capacity	☑	☐
Reservoir/Valve Enclosure shall be designed to mount on either side of vehicle chassis	☑	☐
Enclosure must have hydraulic hose hangers to route and protect hydraulic hoses	☑	☐
Reservoir/Tank shall be constructed from 10 gauge 304 stainless steel with 0.25 inch steel bracing with 14 gauge cover	☑	☐
Reservoir filler cap must be angled for easy fill	☑	☐
Two rubber latches shall secure the enclosure lid and the lid must be removable without tools by one person	☑	☐
The rubber latches shall be replaceable with a removable pin	☑	☐
Tank return line shall be mounted internally with case drain and level sensor ports available on both sides of tank	☑	☐
Tank shall have a basket type breather cap and ¾" magnetic drain plug	☑	☐
Suction line shall be 1 ¼" strainer NPT with 1 ¼" full flow brass ball valve	☑	☐
Suction line shall also have a 100 mesh stainless steel strainer	☑	☐

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)		
Stainless Steel Reservoir/Valve Enclosure (Cont'd)		
Return line must be a minimum of 1 ¼" NPT with 10 micron filter and 25 psi bypass with gauge	☑	☐
Hoses and Fittings		
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**)	☑	☐
Hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system	☑	☐
Pressure hoses, including signal sense to pump, shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating	☑	☐
Return lines and case drain shall have a minimum SAE 100-R1 rating	☑	☐
Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing	☐	☐
Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasions, cutting or impact	☑	☐
Quick disconnects shall be stainless steel	☑	☐
Hoses shall not be routed near exhaust manifold pipes, bolts, sharp edges and exhaust system to prevent wear, fatigue or fire	☑	☐
Pipe fittings are not acceptable in any high-pressure line	☑	☐
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**	☑	☐
1K. Stainless Steel UTG Spreader General		
6" auger under-tailgate spreader shall be of the bottom-opening design, with a safety shut off feature built into the hydraulic system	☑	☐
Mounting shall allow the dumping of materials without interference from the spreader	☐	☐
Maximum spreader width shall be 96"	☑	☐

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)		
1K. Stainless Steel UTG Spreader General (Cont'd)		
Mounting		
Unit shall mount to the sides and below the floor level of the dump box with single-pin, quick-detachable hardware	☑	☐
Mounting and removing shall be done without the use of any special tools	☑	☐
Safety Shut Off		
Spreader shall incorporate a hydraulic safety shut-off feature that disables the hydraulic functions of the spreader	☑	☐
Safety Shut-off feature shall prevent opening the bottom door or opening the top cover beyond a vertical position when the hydraulics are engaged	☑	☐
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	☑	☐
Auger shall have continuous and reverse flighting for more uniform emptying and shall be supported by 1 ¼" steel shaft ends	☑	☐
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	☑	☐
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 ½" Grade 5 bolt	☑	☐
Discharge port shall be located 24" from the left end	☑	☐
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	☑	☐
Unit shall have a three-point hinged bottom pan that will expose the entire auger for easy clean out	☑	☐
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	☑	☐

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)		
1K. Stainless Steel UTG Spreader General (Cont'd)		
Stainless Steel Hopper (Cont'd)		
Anti-spill cover over each discharge opening shall be of 7 gauge stainless steel and shall be removable without the use of tools	☑	☐
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	☑	☐
Lid shall be locked in position by two (2) latches that are replaceable	☑	☐
Minimum inside width of the trough shall 10 7/8"	☑	☐
Poly Spinner Disc		
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	☑	☐
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	☑	☐
Assembly shall be adjustable in height, providing four (4) different ground clearance settings by means of four (4) bolts	☑	☐
Assembly shall be easily removed by pulling two pins and uncoupling two (2) hydraulic quick-disconnect hoses	☑	☐
Speed rate shall be variable through optional valve systems	☑	☐
Shall be mounted directly onto the hydraulic motor shaft by means of a steel spinner hub	☑	☐
Motor shall be 2.8 cubic inches with nickel plated shaft for enhanced corrosion		
Resistance and improved seal life	☑	☐
Assembly shall remain horizontal to the road at all dump box angles	☑	☐
Shield shall be provided to prevent material from striking the truck	☑	☐

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)		
1K. Stainless Steel UTG Spreader General (Cont'd)		
Finish		
All carbon steel components shall be painted black	☑	☐
Stainless steel components shall be left in their natural finish	☑	☐
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	☑	☐
Dump Accessibility		
NO hydraulic hoses or trough handles shall be above the surface of the spreader	☑	☐
Clean dumping surface must be provided	☑	☐
1L. Dump-Through Liftgate model #AR-DT-2000		
Anthony Liftgates Model #AR-DT 1800, or equal, dump-through liftgate	☑	☐
Durable roller chain drive	☑	☐
Marine duty potted toggle switch Pressure compensated flow valve	☑	☐
Circuit protection	☑	☐
Level ride platform 3-step powder coat	☑	☐
Two (2) year mechanical and Two (2) year electrical and hydraulic parts and labor warranty	☑	☐
90" platform width Cab cut off switch	☑	☐
1M. I-Pack Tool Box		
Knapheide I-Pack Tool Box mounted between cab and dump body	☑	☐
Painted to match cab color, base coat and clear coat	☑	☐
Requires chassis to have an 84" Cab to Axle measurement	☑	☐
Stainless steel continuous hinges, **no exception**	☑	☐
14 gauge Galvaneal shell, E-coat primer, and latches with ABS pans for superior corrosion resistance	☑	☐

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)		
1N. ProTech Aluminum I-Pack with Stainless Steel Doors PN # 20-2737	☑	☐
1O. 30" Under Body Tool Box		
For use with chassis with 60" CA	☑	☐
Weatherguard Tread Plate Aluminum 631-0-02	☑	☐
Dimensions: 30 1/8" x 18" x 18"; 5.4 cubic feet	☑	☐
Door opening: 13 ½" H X 25 ¼" W Stainless steel D-handles	☑	☐
1P. Stainless Steel V-Box General		
(**NOTE**: This option **requires** the ***Central Hydraulic System***)	☑	☐
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	☑	☐
Hopper		
Shall be 9 ft, 44 in, and 70 in inside width	☑	☐
Hopper sides shall slope at a 45° angle	☑	☐
Capacity of the unit shall be 4.0 cubic yards struck	☑	☐
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**)	☑	☐
Each hopper side shall be supported by three (3) full slope body side supports on each side	☑	☐
12-gauge 201 stainless steel front and rear panels	☑	☐
Top edge shall be double crimped for additional support	☑	☐
Adjustable feed gate with a maximum opening of 4 ½" x 9" shall be able to be clamped to allow for a positive gate setting	☑	☐
A heavy duty lift shall be supplied in each corner of the hopper	☑	☐

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)		
1P. Stainless Steel V-Box General (Cont'd)		
Conveyor		
Shall be of the chain barflight type Conveyor section of body shall be 16" wide	☑	☐
Pintle-type chain with a tensile strength of 12,500 lbs Cross bars to be ¼" x 1" welded on 4 5/8" centers	☑	☐
Conveyor to be driven by a 20:1 ratio cast-bronze worm gear	☑	☐
Drive sprockets shall be drop-forged, six-tooth keyed to the minimum 1 ¼"	☑	☐
C1045 steel alloy drive shaft	☑	☐
Idler shaft shall be 1"	☑	☐
Schedule 40 pipe, and shall be equipped with poly idler "sprockets"	☑	☐
Chain adjustment shall be accomplished with two (2) threaded block and rod assemblies	☑	☐
Floor shall be 12-gauge 201 stainless steel of flange-type construction	☑	☐
Spinner Assembly		
Polyurethane spinner disc shall be 13" in diameter	☑	☐
Four (4) formed fins that will give a uniform trajectory from 4 to 40 feet	☑	☐
Shall have two (2) adjustable 201 stainless steel internal baffles	☑	☐
Four (4) 201 stainless steel external overlapping baffles to control the direction and width of the spread	☑	☐
All spinner baffles shall be adjustable without the use of tools	☑	☐
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	☑	☐
Top Screens		
Two section center hinged top screen shall be provided to protect the conveyor chain and spinner from large objects	☑	☐

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)		
1P. Stainless Steel V-Box General (Cont'd)		
Top Screens (Cont'd)		
Screen sections shall be made of 5/16" rods, with square opening of 2 ½", and framed by flat bars, and angle iron steel	☑	☐
Paint		
All mild steel components shall be painted black	☑	☐
Spinner Assembly Motor		
Shall be powered by an additional hydraulic motor, providing independent control over each motor	☑	☐
Hydraulics		
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	☑	☐
Unit will run off of the live drive transmission. NO belt systems	☑	☐
1Q. Spreader Leg Stand Kit PN #3037295 3050560		
Accommodates 10' spreaders	☐	☑
1R. Air Compressor, 70 CFM		
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	☑	☐
1S. 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	☑	☐

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

	COMPLIANCE YES	COMPLIANCE NO
OPTIONS (Cont'd)		
1T. Go-Lights, Model 30264 30264ST Go Light Stryker Work Lights (Up to two (2) per vehicle)	☐	☑ PN
Permanently mounted on brackets on I-Pack tool box ***(I-Pack tool box Option MUST be selected)***	☑	☐
6000 maximum lumens	☑	☐
5 amp draw	☑	☐
9-32 VDC input	☑	☐
1U. 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° full blade trip	☑	☐
Blade Assembly 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	☑	☐

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)		
1U. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Blade Assembly (Cont'd)		
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	☑	☐
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	☑	☐
Lift Frame – 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	☑	☐
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	☑	☐

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)		
1U. 9' Readily Detachable Western Snow Plow System (Cont'd)		
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 ½" 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 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	☑	☐
Hydraulic hoses shall be ¼" 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, mode buttons and indicator lights	☑	☐
Control shall 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 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	☑	☐

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)		
1U. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Hydraulics (Cont'd)		
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) oraircraft 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		
Night Hawk LED Head Lamps	☑	☐
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, shall be easily removed as one complete unit	☑	☐
Accessories with Plow		
Snow deflector	☑	☐
Curb guard right and left	☑	☐
Cab command Hand Held Control/Joystick (Shall be specified at time of order)	☑	☐

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)		
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	☑	☐

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)		
1V. Poly Electric Spreader Dimensions (Cont'd)		
Chute Assembly (Cont'd)		
Spread Width shall be approximately 2' to 40'	☑	☐
Shall include a wide fixed stainless deflector to protect truck bumper and under parts from the material being spread	☑	☐
An alternate license plate location shall be molded into the poly chute housing	☑	☐
Feed Gate		
Shall have a stainless steel lever/handle, spring loaded, with positive detent calibration, for accurate adjustment	☑	☐
Cab Control and Wiring System		
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	☑	☐
Control shall have dual controls to independently control the conveyor and spinner speeds	☑	☐
Harnesses		
Shall have multiplexed electrical system with no high current power cables routed into vehicle cab	☑	☐
Shall have two-piece harness with molded style connectors and covers routed to disconnect at the rear of the truck	☑	☐
CHMSL (Center High Mounted Stop Light) is provided as standard, and an accessory wire for optional work light shall also be included as standard	☑	☐
Standard Features		
Shall include heavy-duty top screen constructed from ¼" diameter rod	☑	☐
Tent style top screens shall be angled at 15°	☑	☐
Hopper body shall have four (4) molded-in-poly tie-down loops	☑	☐

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)		
1W. Special Paint Colors Not On the Standard Color Chart	☑	☐
1X. 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	☑	☐

1Y. 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 ☑ ☐

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)		
1Z. 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.	☑	☐
1AA. 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 6. Upfitter (dump body, sweeper, etc.) – 1 day at each location	☑	☐
Technical representative(s) shall be made available for a total of 180 training /support hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days shall be allowed only with consent of Vehicle Services. 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	☑	☐

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)		
1AA. Technical Support (Cont'd)		
Technical Support for Vehicle Services may be provided at the following fleet maintenance facility locations as scheduled by a Vehicle Services Department representative:		
• Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions will be provided at this location. One beginning at 7 am and another beginning at 1:30 pm)		
• Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050	☑	☐
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	☑	☐

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

	COMPLIANCE YES	NO
CHASSIS SPECIFICATIONS FSH		
Current Model Year, or newer Ford F550 Regular Cab with 9 Foot Utility Body	☑	☐
Dual Rear Wheels FSH 660A	☑	☐
Four Wheel Drive FSH	☑	☐
60" Cab to Axle (CA) 195	☑	☐
7.3L V8 gasoline engine 90N	☑	☐
40 gallon fuel tank	☑	☐
TorqShift transmission with PTO option 446	☑	☐
19,000 lb. GVWR 684	☑	☐
Cab shall be military grade aluminum alloy for longevity to the County in lieu of carbon steel	☐	☐
Frame shall be fully boxed under cab and "C" channel behind cab for easy mounting of body	☑	☐
Oil life monitor, engine hour and engine idle hour meters	☑	☐
Air Conditioning	☑	☐
Airbags, frontal driver & passenger, side impact and side air curtains	☑	☐
TowCommand integrated trailer brake controller, manual telescoping trailer tow mirrors	☑	☐
7 wire trailer wiring harness (no plug)	☑	☐
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	☑	☐
Power windows, locks, mirrors, and heated mirrors	☑	☐
Center High Mount Stop Lamp	☑	☐
240 amp HD alternator, 12V 750 CCA battery	☑	☐
Tilt and telescoping steering wheel	☑	☐
4.88 ratio limited slip axle X8L	☑	☐
4 wheel power ABS brakes, front and rear disc, power steering, front and rear stabilizer bars	☑	☐
Quad-beam jewel-effect halogen headlamps, five (5) roof marker lights	☑	☐
LT225/70R19.5G BSW Traction tires – six (6)	☑	☐
One (1) full sized spare tire mounted to wheel and one (1) jack 512	☑	☐
Chrome front bumper, front tow hooks	☑	☐
Power Sliding Rear glass with defrost – sc/cc only	☑	☐
Remote Start	☑	☐
Halogen Fog Lamps	☑	☐
40/20/40 split vinyl bench seat with center arm rest	☑	☐
Auxiliary power point, six (6) upfitter switches located overhead center Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	☑	☐
Interval windshield wipers	☑	☐
Driver & passenger grab handles	☑	☐

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
CHASSIS SPECIFICATIONS (Cont'd)		
Standard XL Rear view camera and prep kit	☑	☐
3-year/36,000 mile bumper-to-bumper warranty on OE components	☑	☐
5-year/60,000 mile powertrain warranty	☑	☐
Shift on the fly	☑	☐
Cab steps, molded black (running boards) 185	☑	☐
Snow plow prep package 473	☑	☐
Single color to be selected from standard color chart at time of order	☑	☐
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	☑	☐
UTILITY BODY SPECIFICATIONS		
Body Shell		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel	☑	☐
The compartment tops and backs shall be a one-piece seamless design	☑	☐
All door, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion	☑	☐
Floor		
The floor plate shall be constructed of a minimum of 12 gauge treadplate with a 1 3/8" return flange on each side	☑	☐
The side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment.	☑	☐
Understructure		
Cross sills shall be constructed from 11 gauge steel with 50,000 PSI minimum yield strength.	☑	☐
Tailgate		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel.	☑	☐
The tailgate shall be a minimum of 12" high and be a slammable style.	☑	☐
In the open position, the tailgate shall be level with the cargo floor.	☑	☐
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.	☑	☐

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
UTILITY BODY SPECIFICATIONS (Cont'd)		
Doors		
Shall be constructed of 20 gauge two-sided A40 Galvanneal steel.	☑	☐
Shall be double paneled with Expanded Foam Block reinforcements.	☑	☐
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.	☑	☐
They shall be spot welded to the door frames and must be supported with a six year warranty, no exceptions.	☑	☐
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.	☑	☐
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 lockstrike 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.	☑	☐
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		
Double springs over center door retainers shall be installed on all vertical doors.	☑	☐
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).	☑	☐

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
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.	☑	☐
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.	☑	☐
Shelving		
Shelves shall be constructed of 18 gauge bright spangled galvanized steel.	☑	☐
All shelves shall have hemmed dividers on 4" centers: • 2 shelves 1st verticals • 1 shelf horizontal curbside • 2 shelves rear verticals	☑	☐
Shelves must have a minimum capacity rating of 250 lbs., **no exceptions.**	☑	☐
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.	☑	☐
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.	☑	☐
Prime paint shall be oven cured to provide a hard, durable finish.	☑	☐
Final finish color shall match cab color, base coat clear coat.	☑	☐
Installation		
The manufacturer of the body shall supply a recommended installation process along with detailed installation instructions that conform to all applicable FMVSS standards.	☑	☐
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.	☑	☐

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
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	☑	☐
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 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	☑	☐

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
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	☑	☐
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	☑	☐

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 Body Shell		
Shall be constructed of 0.09" Aluminum.	☑	☐
The compartment tops and backs shall half-box structure with continuously formed corners	☑	☐
Compartment bottom over the wheel to be constructed of 0.125" Aluminum	☑	☐
Body Shell shall be supported by structural 6061 T6 Aluminum extrusions for durability	☑	☐
All door, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion	☑	☐
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	☑	☐
The side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment	☑	☐
Understructure		
Support shall be constructed entirely of extruded 6061 T6 Aluminum Alloy	☑	☐
Tailgate		
Shall be constructed of 0.09" Aluminum multi-panel	☑	☐
The tailgate shall be a minimum of 12" high and be a slammable style	☑	☐
In the open position, the tailgate shall be level with the cargo floor	☑	☐
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	☑	☐
Doors		
Shall be box structure, doubled paneled and constructed of 0.08" Aluminum with outer panel corners formed continuously	☑	☐

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)		
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	☑	☐

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	☑	☐

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)		
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	☑	☐
Pre-build meeting at vendor's facility to see how work will be completed	☑	☐
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	☑	☐
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 ¼" L x 40" H		
• Second Vertical 21" L x 40" H		
• Horizontal 44 ¾" L x 18 ½" H		
• Rear Vertical 27 ½" L x 40" H – reinforced compartment and clips for shelves for heavy duty application	☑	☐
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	☑	☐
2H. Maxon Liftgate		
C2-54-1642-TP38 55" x 38" +4	☑	☐
Aluminum 2 piece extruded plat form 1600 pound capacity	☑	☐
For use with utility bodies with openings of 54-61"	☑	☐
2I. Flip Top Compartment both Street and Curbside for 9 Foot Utility Body	☑	☐

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)		
2J. Flip Top Compartment both Street and Curbside for 11 Foot Utility Body	☑	☐

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

☑ ☐

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

☑ ☐

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

☑ ☐

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

☑ ☐

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*

☑ ☐

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	☑	☐

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 Venturo 4,000 LB. Electric Crane		
(NOTE: Not Available with Aluminum Body)		
12VDC Electric Crane – Venco Venturo 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	☑	☐
2U. Telescopic Sliding Roof – 9' Body (High Sides)	☑	☐
2V. Telescopic Sliding Roof – 11' Body (High Sides)	☑	☐

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)		
2W. Ladder Rack *(NOTE: This option shall be used with non-flip-top utility bodies)*	☑	☐
System One Ladder Rack: • 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	☑	☐
2X. E-Track Down Each Side of Body – 2" from Top of Compartments	☑	☐
2Y. Four (4) 2' X 12" Ratchet Straps	☑	☐
2Z. BASF Spray Liner on Floor of Compartments	☑	☐
2AA. Whelen LED Liberty II Wecan X 54" Light Bar Light Bar LED Liberty II Wecan X 54"", all modules filled with amber LED • 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	☑	☐
2BB. Light Color Option for Liberty II Wecan X 54" Light Bar Light Color Option: • 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	☑	☐
2CC. Emergency Lighting Split Red Blue Body Lights 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 • 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) on body to work with chosen equipment – split color	☑	☐

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

	COMPLIANCE YES	COMPLIANCE NO

OPTIONS (Cont'd)

2DD. Trailblazer 302 Air Pak TRAILBLAZER 330

- 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 ☐ ☑

2EE. Winch

Full Grille Guard issue must be 2023, 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" ☑ ☐

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. Winch (Cont'd)		
Winch Mount Grille Guard/ Head Lamp Guard Kit, As Specified or Equal		
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"	☑	☐
2FF. 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	☑	☐

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

	COMPLIANCE YES	COMPLIANCE NO
OPTIONS (Cont'd)		
2FF. Air Compressor, 150 CFM (Cont'd)		
Hose Reel: 50' of ½" I.D. air line	☑	☐
2GG. Pioneer Flood Light Head – Model PFH2P1, or Equal PFH2P1		
General Specifications:		
168 Watt +12VDC light head shall incorporate a Super-LED dual flood light installed in die-cast white powder coated aluminum housing.	☐	☑
Configuration shall consist of 60 white Super-LEDs with a clear optic collimator/metallized reflector assembly and a clear non-optic polycarbonate lens.	☑	☐
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.	☑	☐
Shall be installed with a black fiberglass enforced polycarbonate handle.	☑	☐
Flood light shall have 16,000 usable lumens.	☑	☐
The lens/reflector assembly shall utilize a liquid injected molded silicone gasket to be resistant to water, moisture, dust and other environmental conditions.	☑	☐
The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.	☑	☐
Shall be vibration resistant.	☑	☐
PC boards shall be conformal coated for protection	☑	☐
Two breathable membrane patches shall be installed to the bottom of the housing to maintain a consistent internal pressure.	☑	☐
Shall have extended LED operation with low current consumption and low operating temperature.	☑	☐
Furnished with a 6" non-terminated pigtail in the junction box	☑	☐
Shall have the ability to flash a secondary warning light in the "Clearing Right of Way" mode when installed with an external flasher.	☑	☐
Shall be SAE 1113-42 compliant and Class 5 testing for EMI	☑	☐
Voltage: +12v DC	☑	☐

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)		
2GG. Pioneer Flood Light Head – Model PFH2P1, 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	☑	☐
2HH. 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 ¾" Throat Depth: 4 1/8"		
Pipe Jaw Included: Yes	☑	☐
Pipe Capacity: ¼" to 3 ½" 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: ½"	☑	☐
Overall Length: 17 ¾", Overall Height: 10 ¾", Overall Width: 11"	☑	☐
Lifetime Warranty against Manufacturer's defects	☑	☐
2II. Husky 815-Piece Mechanic's Tool Set		
Key Features:		
Alloy Steel Construction SAE and Metric Sizes	☑	☐
Item Weight: 178 lbs.	☑	☐

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. 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 ½" Drive SAE Deep impact socket set (19 pieces)	☑	☐
Limited Lifetime Warranty	☐	☐
Impact Wrench		
• Milwaukee M18 Fuel 18 Volt Litium Ion Brushless, Cordless ½" impact wrench with friction ring kit		
• One (1) 5.0 Ah battery		
• 5 Year Warranty/Tool		
• 3 Year Warranty/Battery		
2JJ. Truck Steel Air/Hydraulic Service Jack		
• Material: Steel		
• Lifting Capacity: 22 Tons		
• Lifting Height Min: 8 ½"		
• Lifting Height Max: 17"		
• Power Raise: 4 5/8"		
• Chassis Length: 22"		
• Operation Type: Air		
• Retracted Length: 8 ½"		
• Handle Length" 47 3/8"		
• Standards: ANSI, ASME and PALD 2009		
• 1-year Limited Warranty	☐	☐

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)		
2KK. 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	☑	☐
2LL. Booster Jump Set Grey with 25' Cables	☑	☐
1-year warranty: Free of defects in material and workmanship	☑	☐
2MM Vehicle Special Order Paint Colors Not On the Standard Color Chart (i.e. Gem Green)	☑	☐
2NN. 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	☑	☐
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	☑	☐
23hp Kohler Gas Engine 2,400 rpm idle speed	☑	☐
2,400rpm – 3,600 rpm weld speed	☑	☐
Single phase, continuous power generator with 6,500 Watts Peak power 5,000 Watts	☑	☐

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)		
2NN. EnPak A30GBW (Cont'd)		
CAN Bus Connectivity		
Idle sound rating of 66 dB and high speed sound rating of 73 dB	☑	☐
Dimensions: 28" H X 20" W X 47" D; 15.2ft2 in length	☑	☐
Remote Panels		
Weld/battery output panel Main Control panel 120/240V outlet panel	☑	☐
30 CFM Air Compressor		
Rotary-screw air compressor	☑	☐
Generator		
6,500 Watt Electric Generator able to power 120V and 240V AC tools and lights	☑	☐
Battery Charge/Crank Assist		
Maximum of 100 amps of DC power for 12/24V battery charging	☑	☐
Maximum of 300 amps for crank assist	☑	☐
Welding		
210 amp inverter based welder with multi-process ability	☑	☐
Accessories		
25' Battery Charge/Jump Start Cables with plug	☑	☐
Air dryer kit	☑	☐
Pressure switch kit	☑	☐
Air Compressor Oil Heater	☑	☐
Cable with Electrode holder	☑	☐
Cable with work clamp	☑	☐
2/0 Weld Cable Extension 50'	☑	☐
Hose Reel with 50' of ½" I.D. Air Line	☑	☐

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)		
2OO. Inverter		
AIMS Pure Sine 4000 Watt Inverter, placement to be decided at time of order • Peak Power 12,000 Watt surge rating • 12 Volt	☑	☐
Installed with two (2) auxiliary batteries	☑	☐
Additional GFI outlet with weather proof protector located at end users placement	☑	☐
Isolation Solenoid • When truck is running it is charging auxiliary batteries and when truck is off it is only running off auxiliary batteries	☑	☐
2PP. Go-Lights, Model 3024 MODEL 3000457		
Go Light Stryker Work Lights (Up to two (2) per vehicle)	☐	☑
Permanently mounted on retractable poles between front of body and back of cab	☑	☐
6000 maximum lumens	☑	☐
5 amp draw	☑	☐
9-32 VDC input	☑	☐
2QQ. 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	☑	☐

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)		
2QQ. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Blade Assembly (Cont'd)		
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	☑	☐
Lift Frame		
Shall 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 • 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	☑	☐

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)		
2QQ. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Mount		
Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame. Attached to truck with Grade 5 fasteners	☑	☐
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 ½" 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	☑	☐
Hydraulics		
One (1) 1 ½" 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	☑	☐
Hydraulic hoses shall be ¼" 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 multiplex harness. Power and control harness to have quick disconnects and covers at the grill	☑	☐

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)		
2QQ. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Hydraulics (Cont'd)		
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	☑	☐
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 removed in one step from truck as one complete unit	☑	☐
Accessories with Plow Snow deflector	☑	☐
Curb guard right and left	☑	☐
Cab command Hand Held Control or Joystick	☑	☐

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)		
2RR. 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	☑	☐
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.	☑	☐
A 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 position adjustable design to accommodate dump body applications	☑	☐
Assembly shall include a 1/3 HP motor dedicated to power a belt driven spinner	☑	☐

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)		
2RR. Poly Electric Spreader (Cont'd)		
Chute Assembly (Cont'd)		
Chute/Spinner Assembly is designed for easy, no tools, removal in one piece for quick detach and storage	☑	☐
Spinner disk shall be polyurethane, 15.5" in diameter, with four (4) flutes	☑	☐
Width of spread shall be approximately 2' to 40'	☑	☐
Shall include a wide fixed stainless deflector to protect truck bumper and under parts from the material being spread	☑	☐
An alternate license plate location shall be molded into the poly chute housing	☑	☐
Feed Gate		
Shall have a stainless steel lever/handle, spring loaded, with positive detent calibration, for accurate adjustment	☑	☐
Cab Control and Wiring System		
Shall be fused to protect wiring, and have a blast feature for spot spreading	☑	☐
Include self-diagnostic troubleshooting flash codes via LED lights located on control panel as well as audible indicators	☑	☐
Control shall have dual controls to independently control the conveyor and spinner Speeds	☑	☐
Harnesses		
Shall have multiplexed electrical system with no high current power cables routed into vehicle cab	☑	☐
Shall have two-piece harness with molded style connectors and covers routed to disconnect at the rear of the truck	☑	☐
CHMSL (Center High Mounted Stop Light) is provided as standard	☑	☐
An accessory wire for optional work light shall also be included as standard	☑	☐
Standard Features		
Shall include heavy-duty top screen constructed from ¼" diameter rod	☑	☐
Tent style top screens shall be angled at 15°	☑	☐
Hopper body shall have four (4) molded-in-poly tie-down loops	☑	☐

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)		
2SS. Pipe Vise on Removable Plate with Receiver Type Hitch		
Pipe Vise mounted on rear step bumper	☑	☐
Wilton 6 ½" Swivel Pipe Vise	☑	☐
Wilton Pipe Jaws	☑	☐
2TT. 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	☑	☐

2UU. 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 ☑ ☐

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. 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	☑	☐
2WW. 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	☑	☐
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	☑	☐

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)		
2WW. Technical Support (Cont'd)		
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	☑	☐

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

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

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
CHASSIS SPECIFICATIONS (Cont'd)		
Standard XL Rear view camera and prep kit	☑	☐
3-year/36,000 mile bumper-to-bumper warranty on OE components	☑	☐
5-year/60,000 mile powertrain warranty	☑	☐
Shift on the fly	☑	☐
Cab steps, molded black (running boards)	☑	☐
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	☑	☐
Snow plow prep package	☑	☐
Single color to be selected from standard color chart at time of order	☑	☐
ENCLOSED SERVICE BODY SPECIFICATIONS		
Body Shell		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel	☑	☐
Compartment tops and backs and the compartment end panels shall be a one-piece seamless design	☑	☐
All doors, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion.	☑	☐
Floor		
Shall be constructed of a minimum of 12 gauge treadplate with a 1 3/8" return flange on each side	☑	☐
Side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment.	☑	☐
Understructure		
Cross sills shall be constructed from 11 gauge steel with 50,000 PSI minimum yield strength.	☑	☐
Compartment Doors		
Side compartment doors shall be constructed of 20 gauge two-sided A40 Galvanneal Steel	☑	☐
Shall be double paneled with internal reinforcements for durability	☑	☐
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	☑	☐

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)		
Hinges (Cont'd)		
Hinges for the side compartment doors shall be spot welded to the door frames	☑	☐
Hinges for both the rear doors and the conduit chute doors shall be attached with non-corrosive aluminum rivets with stainless steel mandrels.	☑	☐
Hinges must be supported with a six year warranty	☑	☐
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	☑	☐
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	☑	☐
Shall also have an 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 shall be elongated to allow the latches to move vertically relative to the lock strikes to prevent torsional damage	☑	☐
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	☑	☐
Lock cylinders shall be flush mounted for additional security	☑	☐
Door Strikers		
Adjustable strikers shall be affixed to the side compartment 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	☑	☐
Door Retainers		
Double spring over center door retainers shall be installed on all vertical doors	☑	☐
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)	☑	☐
Horizontal doors shall be secured in an open position parallel to the ground by heavy duty chain retainers	☑	☐

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)		
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.	☑	☐
Shelving		
Shall be constructed of 18 gauge bright spangled galvanized steel	☑	☐
Shall have hemmed dividers on 4" centers	☑	☐
Shelves must have a minimum capacity rating of 250 lbs	☑	☐
Interior Light Guards		
Light guards shall be installed by the body manufacturer to provide protection for recessed stop/tail/turn and backup lights	☑	☐
Wiring harness must also be protected	☑	☐
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	☑	☐
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	☑	☐
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	☑	☐
Roof Construction		
Shall be constructed of 16 gauge A40 Galvanneal steel	☑	☐
Shall be tapered and crowned across the top for additional strength	☑	☐
Shall be reinforced by cross braces and shall feature two (2) lockable rear conduit chute doors (one (1) on each side)	☑	☐
Conduit chute doors shall have corrosion resistant zinc plated rotary latches	☑	☐
Latches shall be slammable and shall be keyed the same as the rest of the exterior doors	☑	☐
Shall have adjustable door strikers attached to the door frames with screws	☑	☐

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)		
Roof Construction (Cont'd)		
Roof shall have two (2) access doors each side with chrome T-latches.	☑	☐
Rear Cargo Doors		
Shall be a double panel construction with a 20 gauge	☑	☐
A40 Galvanneal steel outer panel and a 14 gauge Galvanneal steel inner liner	☑	☐
Shall have a nitrogen gas door retainer to assist in both the opening and closing of the door	☑	☐
Shall be designed so that all door rods and latching hardware is concealed between the outer door panel and interior door liner	☑	☐
Shall be available with or without glass.	☑	☐
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	☑	☐
Exterior Prime Paint		
Shall be completely immersed in electrodeposition gray epoxy prime paint featuring a zinc phosphate precoat and seal for additional corrosion protection	☑	☐
Prime paint shall be oven cured to provide a hard durable finish	☑	☐
Final finish color shall match color of cab, base coat clear coat	☑	☐
Interior Paint		
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	☑	☐
Warranty		
The following items shall be covered by a ten (10) year limited warranty:	☑	☐
No Rust-Through Guarantee	☑	☐
Continuous Door Hinges – Guaranteed not to fail to operate or come off body	☑	☐
Latches and Lock Cylinders – Guaranteed against failure	☑	☐

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)		
Warranty (Cont'd)		
Shelves – Guaranteed not to fail in bending under a maximum 250 lb. rated load.	☑	☐
Lighting		
Lighting shall meet all FMVSS standards	☑	☐
Wiring harness shall be encased in a plastic loom and all wires shall be colored for ease of troubleshooting	☑	☐
Wire harness must have connectors that are compatible with the specified chassis without splicing	☑	☐
Stop/tail/turn and backup lights shall be surface mount with built in strobe	☑	☐
The stop/tail/turn/reverse shall be surface mount with built in strobes	☑	☐
All marker, clearance, and R.I.D. lighting shall be LED type lighting (Incandescent lights in any of these locations are **NOT ACCEPTABLE**)	☑	☐
Dimensions		
Knapheide Model KC108L2094J • 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.	☑	☐
Streetside Compartment Configuration • First Vertical: 35.25" x 40" • Horizontal: 44.75" x 18.5" • Rear Vertical: 27.25" x 40"	☑	☐
Curbside Compartment Configuration • First Vertical: 35.25" x 40" • Horizontal: 72" x 18.5" • Rear Vertical: 27.25" x 21.5"	☑	☐
Accessory Lighting Compartment lighting must be LED; each compartment must have one vertical and one horizontal light for its size	☑	☐

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:		
• 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) M7 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 **3A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle**	☑	☐

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)		
3B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle	☑	☐
3C. Upgrade to Regular Cab chassis with 84" Cab to Axle	☑	☐
3D. Upgrade to Super Cab chassis with 84" Cab to Axle	☑	☐
3E. Upgrade to Crew Cab chassis with 84" Cab to Axle	☑	☐

3F. Medium Height Enclosed Body Upgrade

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.

☑ ☐

3G. High Height Enclosed Body Upgrade

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.

☑ ☐

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"	☑	☐

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	☑	☐

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	☑	☐

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 o .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.	☑	☐

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)		
Interior Light Dome		
Cargo area of the body shall be illuminated by an overheard dome light, switched at the rear of the body	☑	☐
Roof Construction		
Roof shall be constructed of .09" H5052 aluminum. Shall be tapered and crowned across the top	☑	☐
Roof shall be reinforced by cross braces and shall feature two (2) lockable rear conduit chute doors – one (1) on each side	☑	☐
Conduit chute doors shall have corrosion resistant rotary latches and shall be slam-latchable and keyed to match all other exterior doors.	☑	☐
Door shall have adjustable door strikers attached to the doorframes with screws.	☑	☐
Rear Cargo Doors		
Shall be constructed of .09" H5052 Aluminum for outer panels and inner liner.	☑	☐
Each door shall have nitrogen gas door retainer to assist in both the opening and closing of the door	☑	☐
Each door shall be designed so that all door rods and latching is concealed.	☑	☐
Rear cargo doors are constructed with or without glass – **to be selected at time of order**	☑	☐
IF Glass is selected: Minimum 9" X 30" fixed tempered glass window installed in each door and protected by an aluminum window guard.	☑	☐
Bulkhead		
Shall be of ABS material.	☑	☐
Body shall have sliding door to access the cargo area from the cab.	☑	☐
Bulkhead door shall have slam-latch handle on both sides of the door which can be locked from the cab side.	☑	☐
Bulkhead door is to open and close on stainless steel ball bearing slides. Door hinges are **NOT ACCEPTABLE.**	☑	☐

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)		
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	☑	☐
Interior Paint		
Interior Paint is to be mid-gloss, mar resistant, buff finish	☑	☐
Warranty		
The following shall be covered by a minimum 10-year limited warranty: • 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.	☑	☐
Lighting Shall meet all FMVSS standards.	☐	☐
Wiring harness shall be encases in a mesh loom and all wires are to colored for ease of troubleshooting.	☐	☐
Wire harness shall have connectors that are compatible with OEM 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 safety.	☑	☐
Lighting system shall feature all LED type lighting, incandescent or other lighting is **NOT ACCEPTABLE**	☐	☐
LED Compartment Lighting Each compartment shall have one (1) full length vertical and horizontal light to illuminate full compartment	☑	☐

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.

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

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 M9 Super LED Scene Lights		
• Whelen M9 Gradient Opti-Scenelight:		
• LED White Light only – mounted on side of enclosed body for work light area		
• 3N. Whelen M9 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)	☑	☐

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)		
3T. Inverter		
AIMS Pure Sine 4000 Watt Inverter, placement to be decided at time of order • Peak Power 12,000 Watt surge rating • 12 Volt	☑	☐
Installed with two (2) auxiliary batteries	☑	☐
Additional GFI outlet with weather proof protector located at end users placement	☑	☐
Isolation Solenoid • When truck is running it is charging auxiliary batteries and when truck is off it is only running off auxiliary batteries	☑	☐
3U. BASF Spray Liner on Floor and Sides of Cargo Area	☑	☐
3V. BASF Spray Liner on Floor of Compartments	☑	☐
3W. Hide-A-Way Bumper Crane Western Mule S-1350 Fold-A-Way Crane: • 1350 lbs. capacity • Aluminum bumper cover and fold down rear grip strut • LED light package	☑	☐
3X. Whelen LED Liberty II Wecan X 54" Light Bar • Light Bar LED Liberty II Wecan X 54", 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	☑	☐
3Y. Light Color Option for Liberty II Wecan X 54" Light Bar 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	☑	☐
3Z. Emergency Lighting LED Body Lights Red Blue Split, 3 ½" Super LED clear lens with red and blue lights shall be installed.	☑	☐

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)		
3AA. Maxon Liftgate		
C2-54-1642-TP38 Liftgate 55" x 38" +4	☑	☐
Aluminum Extruded 2-Piece Platform	☑	☐
1600 pound capacity	☑	☐
For use with utility bodies with openings of 54-61"	☑	☐
3BB. Subfloor		
6" High full length sub floor for enclosed body	☑	☐
3CC. Transverse Compartment		
First Vertical Full Transverse Compartment:	☑	☐
Three (3) draw pull out both street and curbside *(Note: When ordered with C-Tech Drawer Unit, transverse is curbside only)*	☑	☐
3DD. C-Tech Drawer Unit		
Drawer Unit to be installed in Street side first vertical: • 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 • *This eliminates full transverse compartment if selected; goes to only back of Compartment*	☑	☐
3EE. Air Compressor, 70 CFM		
• 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	☑	☐

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 DWL 30,295T 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.	☑	☐

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	☑	☐

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 ½" 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 ¼" 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	☑	☐

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)		
Hydraulics (Cont'd)		
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	☑	☐
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 from truck as one complete unit	☑	☐
Accessories with Plow Snow deflector	☑	☐
Curb guard right and left	☑	☐
Cab command Hand Held Control or Joystick (to be chosen by user Department at time of order)	☑	☐

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. Winch

- Current Model Year, or Newer Full 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:

10" x 4.5" ☑ ☐

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 ☑ ☐

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. Winch (Cont'd)		
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"	☑	☐
3JJ. 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 19242 1/2" Drive metric deep impact socket set (26 pieces)	☑	☐
Dewalt – DWMT 19239 ½" Drive SAE Deep impact socket set (19 pieces)	☑	☐
Limited Lifetime Warranty	☑	☐
Impact Wrench		
Milwaukee M18 Fuel 18 Volt Litium Ion Brushless, Cordless ½" impact wrench with friction ring kit	☑	☐
One (1) 5.0 Ah battery	☑	☐

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

	COMPLIANCE YES	COMPLIANCE NO
OPTIONS (Cont'd)		
3JJ. Husky 815-Piece Mechanic's Tool Set (Cont'd)		
Impact Wrench		
5 Year Warranty/Tool	☑	☐
3 Year Warranty/Battery	☑	☐
3KK. Truck Steel Air/Hydraulic Service Jack		
Material: Steel	☑	☐
Lifting Capacity: 22 Tons	☑	☐
Lifting Height Min: 8 ½"	☑	☐
Lifting Height Max: 17"	☑	☐
Power Raise: 4 5/8"	☑	☐
Chassis Length: 22"	☑	☐
Operation Type: Air	☑	☐
Retracted Length: 8 ½"	☑	☐
Handle Length" 47 3/8"	☑	☐
Standards: ANSI, ASME and PALD 2009	☑	☐
1-year Limited Warranty	☑	☐
3LL. 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	☑	☐

Introduced on: September 30, 2025
Adopted on: September 30, 2025
Official Resolution#: 2025001393

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)		
3MM. Booster Jump Set		
Grey with 25' Cables	☑	☐
1-year warranty: Free of defects in material and workmanship	☑	☐
3NN. Special Paint Colors Not On the Standard Color Chart	☑	☐
3OO. 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	☑	☐

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

Must be completed by Body Upfitter

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 ☑ ☐

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. Installation of County Supplied Two Way Radio and Accessories		
Must be completed by Body Upfitter		
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.	☑	☐
3RR. 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	☑	☐
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	☑	☐

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)		
3RR. Technical Support (Cont'd)		
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	☑	☐

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

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

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
CHASSIS SPECIFICATIONS (CONT'D)		
Standard XL Rear view camera and prep kit	☑	☐
3-year/36,000 mile bumper-to-bumper warranty on OE components	☑	☐
5-year/60,000 mile powertrain warranty	☑	☐
Shift on the fly	☑	☐
Cab steps, molded black (running boards)	☑	☐
Snow plow prep package	☑	☐
Single color to be selected from standard color chart at time of order	☑	☐
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	☑	☐
PLATFORM SPECIFICATIONS		
Platform body shall be a heavy duty body to be used on a single axle chassis	☑	☐
The hoist shall be an arm type hoist	☑	☐
The unit shall be a current design and production unit. Bidders shall submit current literature for body, hoist and snow plow proposed	☑	☐
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.	☑	☐
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.	☑	☐

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
PLATFORM SPECIFICATIONS (Cont'd)		
Body upfitter must provide installation of equipment bid	☑	☐
The platform body shall be of current design and compatible with the specified chassis	☑	☐
General: Heavy Hauler JR PHHJT-93B Platform Body with Options The platform body shall be a heavy hauler junior style to be used on specified single rear axle chassis. The complete body and removable sides must be supplied by a single manufacturer and be a proven standard production model.	☑	☐
Dimensions • 111" Platform Length • 95.9" Platform Width • 40" High Permanently Installed Bulkhead with mesh window	☑	☐
Construction Platform body shall be constructed of ASTM A36 standard with a minimum 36,000 PSI yield for minimal deflection in critical areas	☑	☐
Continuous weld seams to prevent entrapment of dirt and moisture with superior workmanship	☑	☐
Bulkhead Permanently installed bulkhead	☑	☐
E-Track installed height of lower and center rails on stake sides	☑	☐
Shall include 1 E-Track 2" wide ratchet strap	☑	☐
Bulkhead shall be constructed from 11 gauge high strength steel	☑	☐
Bulkhead shall include rust-resistant punched window	☑	☐
Bulkhead shall be secured to platform with one-piece box section corner post and two (2) 3" structural intermediate posts	☑	☐
Platform Portion Shall have 3/16" treadplate steel floor; steel over wood overlay is **NOT ACCEPTABLE**	☑	☐
Floor and understructure shall be undercoated for corrosion protection	☑	☐
Side and end rails shall be constructed from 6" structural steel channel	☑	☐
Sides and end rails shall face outward to accommodate binding straps and chains	☑	☐
Recessed heavy-duty D-rings every 3 feet, on both sides of floor (street and curbside)	☑	☐

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

	COMPLIANCE YES	NO
PLATFORM SPECIFICATIONS (CONT'D)		
Platform Substructure		
Long sills shall be constructed with 5" structural steel	☑	☐
Cross sills shall be constructed with 5.44" structural steel on 16" centers	☑	☐
Lighting		
LED 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 wire harness must have connectors that make it compatible to the specified chassis without splicing	☑	☐
The stop/tail/turn lights shall be mounted below the platform in non-corrosive containers	☑	☐
Accessories		
Sleeve Adapter HC3Z-19H282-A	☑	☐
Pintle Plate ¾" 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 *(Note: Not available when hoist and liftgate ordered together)*	☑	☐
Two (2) pull-out ladders mounted behind the cab	☑	☐
Grab handle mounted to work in conjunction with ladders	☑	☐
Stone shields and plain black mud flaps Conspicuity enhancement – 2" red and white diamond grade reflective striping	☑	☐
DOT safety kit, first aid kit, and 10 lb. fire extinguisher w/bracket and safety triangles	☑	☐
OPTIONS		
4A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle	☑	☐

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)		
4B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle	☑	☐
4C. Upgrade to Regular Cab chassis with 84" Cab to Axle	☑	☐
4D. Upgrade to Super Cab chassis with 84" Cab to Axle	☑	☐
4E. Upgrade to Crew Cab chassis with 84" Cab to Axle	☑	☐
4F. Upgrade to Regular Cab chassis with 108" Cab to Axle	☑	☐
4G. Upgrade to 12'3" Platform Body with Removable Stake for use with 84" CA Chassis 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.	☑	☐
Dimensions		
147" Platform Length	☑	☐
95.9" Platform Height	☑	☐
40" High Permanently Installed Bulkhead with mesh window	☑	☐
40" High Removable Stake Sides	☑	☐
40" High Rear Swing Gates	☑	☐
4H. Thieman TT Liftgate Thieman Model TT 20ET or equal liftgate, to be used on non-dumping platforms	☑	☐
Steel Platform: 86" x 30" + 5"	☑	☐
Ramp is 5" fixed	☑	☐
Capacity: 2,000 lbs.	☑	☐
Rustproofing on platform frame	☑	☐
Operation: Power down, level ride	☑	☐
Lift Mechanism: Direct dual cylinder lift (no chains or cables)	☑	☐
Pivot Pins: Non-rotating stress proof materials with Nitrotec	☑	☐
Controls: Molded toggle switch control	☑	☐

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)		
4H. Thieman TT Liftgate (Cont'd)		
Bushings: Low maintenance replaceable bushings at all pivot points	☑	☐
Platform Surface: Steel skid resistant safety plate	☑	☐
Lift Cylinders: Dual cylinders 2" bore x 8" stroke, adjustable shaft for platform height adjustment	☑	☐
Power Unit: Electric hydraulic, 12 volt DC motor, enclosed	☑	☐
Electrical: Shall meet all TMC electrical requirements; includes 150 amp circuit breaker	☑	☐
Safety Latches: Dual automatic locking pins lock platform in stored position	☑	☐
Bed Height Range: 30" loaded to 50" empty	☑	☐
Installed Weight: 775 lbs.	☑	☐
Accessories: In-Cab Shut Off Switch and Light Kit		
Extra fabrication for the hitch shall be included	☑	☐
Note: with this liftgate option you lose rear gates.	☑	☐
4I. Thieman Stow-Away Standard Tailgate Liftgate		
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	☑	☐
Steel Platform: 84" x 36" + 6"	☑	☐
Capacity: 2,000 lbs.	☑	☐
Operation: Power Up and Power Down; Molded toggle switch controls	☑	☐
Lift Cylinder: 3" bore x 10" stroke, adjustable shaft for platform height	☑	☐
Pivot Pins: Non-rotating stress proof material with Nitrotec	☑	☐
Bushings: Low maintenance replaceable bushings at all pivot points	☑	☐
Snubber: Kit reduces movement during travel	☑	☐
Power Unit: Electric hydraulic, 12 volt DC motor with solenoid cover	☑	☐

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)		
4I. Thieman Stow-Away Standard Tailgate Liftgate (Cont'd)		
Travel Position: Platform stores under truck body at rear of vehicle	☑	☐
Accessories with Platform: Dock Bumpers, Receiver Hitch Bracket, Rear Impact Guard	☑	☐
4J. Under Body Hoist for Dumping Capabilities		
Rugby SR-5020 truck hoist, or equal, tested at full-rated capacity for an extended life cycle	☑	☐
Class 50 Dump Hoist Approximate Weight: 710 lbs.	☑	☐
10' Subframe	☑	☐
Double acting hydraulic pump	☑	☐
Cylinder Specifications: 6" bore, 20" stroke, 2 ½" diameter rod	☑	☐
Mounting Height: 11.3"	☑	☐
Capacity: 9.1-17 tons	☑	☐
Factory tested for durability and performance	☑	☐
Integrated Body Prop	☑	☐
Mounting Distance: 90.25"	☑	☐
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.	☑	☐
Shall be operated by a rocker switch mounted in the dash	☑	☐
4K. Dump-Through Liftgate		
Must be selected with Hoist Option if Gate Required		
Anthony Liftgates Model #AR-DT 1800 dump-through liftgate	☑	☐
Durable roller chain drive	☑	☐
Marine duty potted toggle switch	☑	☐
Pressure compensated flow valve	☑	☐
Circuit protection	☑	☐
Level ride platform	☑	☐

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

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

Introduced on: September 30, 2025
Adopted on: September 30, 2025
Official Resolution #: 2025001398

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

OPTIONS (Cont'd)	COMPLIANCE YES	NO
4R. 40" Grain Sides (9'3" Body)		
40" High one-piece 14 gauge sides with stakes that adapt to specified body	☑	☐
40" High barn doors, double opening	☑	☐
2 bars that fit across the body to stop the spreading of the sides	☑	☐
Color: Black	☑	☐
4S. 40" Grain Sides (12'3" Body)		
Same specifications as option 4R, but for longer 12'3" body option	☑	☐
4T. Color Option for 40" Grain Sides		
Option to paint 40" grain sides any color different from standard black	☑	☐
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	☑	☐
4U. 52" Grain Sides (9'3" Body)		
52" High one-piece 14 gauge sides with stakes that adapt to specified body	☑	☐
52" High barn doors, double opening	☑	☐
2 bars that fit across the body to stop the spreading of the sides	☑	☐
Upgrade bulkhead to 52"	☑	☐
Color: Black	☑	☐
4V. 52" Grain Sides (12'3" Body)		
Same specifications as option 4U, but for longer 12'3" body option	☑	☐
4W. Color Option for 52" Grain Sides		
Option to paint 52" grain sides any color different from standard black	☑	☐
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	☑	☐
4X. Light Package 1		
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 grill • Four (4) 4" ovals on body sides, two (2) each side angled out for oncoming traffic in tissue boxes • Two (2) Micron Series 4" rear of body	☑	☐

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 seriesto 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 ½" high and 25 ¼" wide	☑	☐
Stainless steel D-handles	☑	☐
4CC. 48" Under Body Tool Box WEATHERGUARD 631-0-02		
Weatherguard Defender Series 300501-9-01, or equal	☐	☑

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)		
4CC. 48" Under Body Tool Box (Cont'd)		
48" x 19" x 19"	☑	☐
9.5 cubic feet	☑	☐
Lock System – Push Button	☑	☐
Material: Aluminum	☑	☐
4DD. Air Compressor, 70 CFM		
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. airline mounted under body (unless specified otherwise at time of order)	☑	☐
4EE. 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. airline mounted under body (unless specified otherwise at time of order)	☑	☐

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)		
4FF. Whelen LED 54" Light Bar		
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)	☑	☐
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 or bulkhead of platform	☑	☐
4GG. 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° 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 base plate and integral attachments for angling rams to receive 1" diameter pins	☑	☐

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)		
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	☑	☐
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 with a 0.50" lock pin	☑	☐
Lift Frame – 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	☑	☐
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	☑	☐
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	☑	☐
Hydraulics		
Electric solenoid activated and detachable with lift	☑	☐

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)		
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	☑	☐
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	☑	☐
Secondary valve shall contain two (2) driver side and one (1) curb 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 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 gland nut	☑	☐
Hydraulic hoses shall be ¼" 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	☑	☐
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 and also be able to angle left or right when in float	☑	☐
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	☑	☐

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 TRAILBLAZER 330		
• 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	☐	☑

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

	COMPLIANCE YES	COMPLIANCE NO
OPTIONS (Cont'd)		
4II. Slide Bar with Straps		
3' slide bar with three (3) 3" ratchet straps mounted under body ratchet bar included	☑	☐
4JJ. 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	☑	☐
Conveyor:		
Shall be drag bar chain type	☑	☐
Overall shall be 100% constructed of 14 gauge 201 stainless steel with a 16 ¾" wide pintle chain conveyor system	☑	☐
Steel pintle chain with 3/16" x ¾" cross bars	☑	☐
Chain strength is 11,000 lbs. per strand; 22,000 lbs. total	☑	☐

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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)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
Conveyor (Cont'd)		
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 ½" 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 ½" 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	☑	☐
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	☑	☐

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)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
Chute Assembly (Cont'd)		
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 ¼" 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	☑	☐
Amusement or gaming products will **not be accepted**	☑	☐
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	☑	☐
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	☑	☐
The printed PVC soft touch membrane switch interface shall be tested to 5 million impressions for long life and durability	☑	☐

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)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
EZ Spread Controller: (Cont'd)		
Touch pad to control granular feed rate or 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	☑	☐
The spinner shall increase during Blast; must also be an adjustable option	☑	☐
The spreader control shall be capable of operating each function in open loop Mode	☑	☐
Spreader must be field configurable to operate either: Ground Speed Oriented or No Ground Speed (simple manual operation) with a single switch setting	☑	☐
Controller shall also offer a settable	☑	☐
Blast Feature that will function during Ground	☑	☐
Speed Triggered Operation	☑	☐
The controller must include integrated protection and diagnosis systems with safety features incorporated into the system	☑	☐
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	☑	☐

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)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
EZ Spread Controller: (Cont'd)		
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	☑	☐
4KK. 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 #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)		
4LL. Two-Way Radio Power and Wiring Requirements for New Vehicles *Must be completed by Body Upfitter* 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.	☑	☐
4MM. Installation of County Supplied Two Way Radio and Accessories *Must be completed by Body Upfitter* 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.	☑	☐
4NN. 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	☑	☐

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)		
4NN. 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 #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL

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

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 (CONT'D)

	COMPLIANCE YES	NO
CHASSIS SPECIFICATIONS (CONT'D)		
3-year/36,000 mile bumper-to-bumper warranty on OE components	☑	☐
5-year/60,000 mile powertrain warranty	☑	☐
Shift on the fly	☑	☐
Cab steps, molded black (running boards)	☑	☐
Snow plow prep package	☑	☐
Single color to be selected from standard color chart at time of order	☑	☐
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	☑	☐
SWITCH-N-GO SPECIFICATIONS		
This specification is for a detachable truck body system for vehicles with a GVWR less than 26,000 lbs. This system shall be run off a hydraulic system for hoist and winch; electric is **NOT ACCEPTABLE.**	☑	☐
For emergency purposes, the body-upfitter must have a facility in New Jersey for parts and service.	☑	☐
GENERAL		
Switch-N-Go 11' Hydraulic Hoist System. Model 11-4016-ISH-10T GEN II 15,000 lbs. Winch Loading Capacity Hydraulic Winch & Hydraulic Hoist. Unlimited Winch Pulls per Day.	☑	☐
Hydraulic Pump Type:		
- Live Drive Style PTO for operation while in gear	☑	☐
Hydraulic Pump Specifications:		
- 3000 PSI@, 12-15 GM.	☑	☐
Hose Size:		
- 1/2" Diameter Pressure Line, 3/4" Diameter Return Line.	☑	☐
The Hoist system must have a top frame with Steel wear strips.	☑	☐
Hoist system must use glass impregnated slide pads when loading/unloading the bodies. Polystone M (UHMW-PE) MPG glass filled material to be used.	☑	☐
Hoist system rear pivot pin size diameter needs to be a minimum of 1.5".	☑	☐
Hoist system hinge assembly to be designed and constructed of geometrically optimized 3/8" and ½" thick plate - specifically for loading and removal of interchangeable bodies.	☑	☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
GENERAL (Cont'd)		
Hoist system rear Body Hold Downs to be "Universal Style" to accept multiple body lengths.	☑	☐
Hoist system winch is required to have a clutch block-out for safety.	☑	☐
Prop Rod to be mounted within the hoist frame.	☑	☐
Swivel Hook for the winch cable.	☑	☐
Approx. Dumping Capacity 10.3 Ton	☑	☐
Pre-Plumbed Hydraulic Lines	☑	☐
Pre-installed In-line Filter Housing with Reusable Filter	☑	☐
Hydraulic Reservoir:		
- 15 Gallon minimum with filter Standard 18" Rear Overhang	☑	☐
Hoist System Install Kit:		
9' 12' Gen II H-Series.	☑	☐
Gen II Series Mounting Bracket	☑	☐
Bolt-On Bumper with Light Bars	☑	☐
Includes Bumper Face Plate, Light Tubes, Two Lights Per Side, Stop/Tail/Turn/Reverse	☑	☐
and Stop/Tail/Turn/Reverse/Strobe, Wire Harness and Mounting Hardware.	☑	☐
Rated for 20K	☑	☐
Bolt-on 10 TON 2-1/2" Receiver Tube Weldment and 9/16" hardware		
One pair of plastic fenders for 19.5 tires, with mounting brackets	☑	☐
No Advertisement on mudflaps	☑	☐
SNG Fuel Filler Rod	☑	☐
Hydraulics:		
PTO must be a Chelsea 210H with direct mount pump and 15 gallon reservoir providing up to 9 gallons per minute at 1000 rpm, must be a modular manifold cartridge type valve with 5 year warranty. Switch N Go shall be operated by the Switch N Go Pendant Controller.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
GENERAL (Cont'd)		
Lights/Wiring:		
All lamps/reflectors exceed FMVSS 108 requirements.	☑	☐
Lamps shall be LED flush mounted in shock resistant rubber grommets to maximize bulb life.	☑	☐
Each side of 90" ICC bumper shall include a rear facing auxiliary stop/turn/reverse lamp LED for improved visibility and operator's safety. Also includes Amber strobe in bumper. The ICC bumper plate will also include a class V receiver tube with D-Rings back up alarm and trailer plug. The light extensions of the ICC bumper shall be a minimum of 16" off the ground. Color-coded wire harnesses are provided to minimize installation time and simplify diagnosis.	☑	☐
Body up light in cab.	☑	☐
Hydraulic Winch:		
Rated pulling force 15,000 lbs., 6.0 cubic inch motor	☑	☐
Drum barrel diameter 4"	☑	☐
Drum flange 8.24"	☑	☐
Distance between flanges 9.95"	☑	☐
Recommended maximum wire rope diameter ½"	☑	☐
Recommended minimum wire rope breaking strength 26,600 lbs.	☑	☐
Duty cycle 932'	☑	☐
Maximum layers of wire rope: 3	☑	☐
Hardened steel two stage planetary gear train with 36:1 reduction provides fast line speed	☑	☐
Heavy duty disc brake for dependable operation and plenty of holding power	☑	☐
Meets SAE J706 and CE standards	☑	☐
Winch to be operated off truck hydraulics and Switch N Go controls	☑	☐
Accessory Lighting:		
3 Whelen Ion T-Series Amber LED evenly spaced on top of pintle plate below hoist	☑	☐
LED spreader light mounted to frame for visibility during spreader operation		
ICC Pintle Plate Bumper as described above:		
• Pollak 7 Pole RV Style harness and twist and lock plug		
• Backup alarm		
• 3 ball receiver tube 1-7/8", 2", 2-5/16" lock in style pin not acceptable		
• 6 ton receiver mount Pintle & 2" ball combination hitch	☑	☐
Stop/Tail/Turn/Reverse/Safety Amber light extensions to be a minimum of 16" from the ground all lights to be LED	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
GENERAL (Cont'd)		
Conspicuity Enhancement/Safety:		
2" red and white diamond grade reflective striping, DOT Safety Kit, first aid kit, 5 1b fire extinguisher with bracket and safety Triangles	☑	☐
Additional Winch Cable to be supplied at time of delivery	☑	☐
Additional Safety Locking Pin to be supplied at time of delivery	☑	☐
Ziebart Undercoating, chassis frame and Switch N Go frame from cab to end of frame rails	☑	☐

OPTIONS:

NOTE: Successful bidder must be able to provide any/all options as specified below including installation of this body onto existing County-owned Switch N Go truck. If options are purchased for current County-Owned Switch N Go Trucks, the equipment shall be delivered to upfitter's facility for final measurements and installation at time of Mandatory Pre-Build. Bidder must have provided this type of conversions in the past with a minimum of 5 years of working with the Switch N Go product, proof of this type of work must be supplied with bid.

5A. 9.0' Readily Detachable Snowplow System

This option can be selected with all configurations. Can be purchased for existing F-350 pickup trucks thru F-550 with snow plow prep packages.

Blade Assembly:		
Moldboard - 12 ga. (0.104") steel sheet formed to a 17.30" radius with a 1.76" diameter top curl.	☑	☐
Ribs - eight, 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel.	☑	☐
Torsion Tube - 2.00" diameter, full width, electrically welded to all eight ribs.	☑	☐
Cutting Edge - reversible 0.50" x 6" high carbon steel C1080 attached with ten 0.63" Grade 5 carriage bolts.	☑	☐
Disc Shoes - two, 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, 2.38" OD x 0.39" diameter, Cl 060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts.	☑	☐
Shock Absorbers - two, 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return.	☑	☐
Blade Trip Pivot - three 0.75" diameter steel pins.	☑	☐
Blade Guides - two highly visible, vinyl coated, spring wound, with replaceable flags. Plow Angling- 30 degrees right and left.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5A. 9.0' Readily Detachable Snowplow System (Cont'd)		
A-Frame:		
Electrically welded, reinforced, 3.00" x 3.00" x 0.19" wall structural steel side tubes with 0.50" thick, formed nose plate and integral attachments for angling rams to receive 1.00" diameter pins.	☑	☐
Lift Chains - two, 0.25" Grade 43 high test steel with 2600 lb. working load limit, attached with 0.38" U-bolts.	☑	☐
Quadrant:		
Electrically welded, reinforced, 5.00" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1.00" D pins.	☑	☐
A-Frame to Quadrant Angle Pivot - 1.00" 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 ga. steel cover.	☑	☐
Two Plow Stands - Self-storing and adjustable integrated into the plow attachment mechanism. Connecting hook and lever with integral with a 0.50" lock pin.	☑	☐
Lift Frame - 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.	☑	☐
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.	☑	☐
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.	☑	☐
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 side mounted and covered solenoid cartridge valves.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5A. 9.0' Readily Detachable Snowplow System (Cont'd)		
Hydraulics (Cont'd)		
Secondary valve shall contain 2 driver side and 1 curb 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 1/2"x 8" lift ram and two 1-1/2" x 12" angling rams each with a rod seal, a wiper ring and a gland 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.	☑	☐
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 and also be able to angle left or right when in float.	☑	☐
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 MJL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation.	☑	☐
Cycle times:		
• Lift 2.5 seconds		
• Angle 5.0 seconds	☑	☐
Hydraulic unit shall stay with plow when plow is disconnected from truck.	☑	☐
Lights:		
Nighthawk LED Headlamps	☑	☐
Vehicle specific pre-wired harness with plug-in module requiring no headlamp wire splicing.	☑	☐
Plow and vehicle lights automatically selected through relay system.	☑	☐
Heavy-duty flashers.	☑	☐
Double stud mounting brackets.	☑	☐
FMVSS 108 compliance for lights.	☑	☐
Lights and mounting bracket to stay with plow when disconnected from truck.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5A. 9.0' Readily Detachable Snowplow 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.	☑	☐
Snow deflector	☑	☐
Curb guards both sides	☑	☐
Cab command Hand Held Control/or joystick- specified at order	☑	☐
5B. Cirrus Hydraulics System		
PTO and Pump:		
Hydraulic pump and PTO shall be a Chelsea 249 series.	☑	☐
The pump shall be a fixed displacement that is direct mounted to a hot-shift PTO for a live transmission with a gas engine.	☑	☐
The pump shall have a flow rate of 19 GPM at 1200 engine RPM.	☑	☐
The pump shall have a ¾"-11T splined drive shaft.	☑	☐
The suction hose to the pump shall be a minimum of 1-1/4" I.D. SAE 100-R4 hose.	☑	☐
The PTO shall be a Parker/Chelsea 249 series and have a ratio of 124%.	☑	☐
The PTO shall be engaged/disengaged from the cab by a dash mounted 12VDC on/off switch.	☑	☐
Power over speed protection required for torque shift six with gas motor.	☑	☐
Stainless Steel Symmetrical Valve Reservoir Combination System:		
The spool valve sections and spreader manifold will be mounted in a combination reservoir and enclosure.	☑	☐
The overall width of the will not exceed 28". The valve shall mount horizontally on a 15.5" removable mounted plate that slides out for easy access for repair and maintenance.	☑	☐
The enclosure shall be mounted with a minimum of 1" frame clearance on each side of the combo.	☑	☐
Mounting bracket is to be designed and supplied by reservoir supplier and designed in a manner as to not transmit torsional loads through the reservoir.	☑	☐
The enclosure cover shall also cover/ protect the valve work ports and hoses		
The reservoir portion shall be 14-gallon capacity.	☑	☐
The combo will be constructed from 10-gauge 304 Stainless steel with .25 inch steel bracing. The combo shall be powder-coated for corrosion protection with internal baffle	☑	☐
Two rubber latches will secure the enclosure lid. The lid must be removable without tools by one person.	☑	☐
The rubber latches are replaceable with a removable pin.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5B. Cirrus Hydraulics System (Cont'd)		
Stainless Steel Symmetrical Valve Reservoir Combination System: (Cont'd)		
The reservoir must be equipped with the following: ¾" magnetic drain plug, 1-1/4" full flow brass ball valve, 2" x 1-1/4" NPT suction strainer with 100 mesh screen and 3 PSI bypass valve, tank mount return line filter with a built in breather, and sight temperature gauge externally mounted facing front of truck no matter which side enclosure is mounted on.	☑	☐
Reservoir filling will be through the filter housing with a flow path that will filter all new oil entering in the system.	☑	☐
Minimum Specification for Modular Manifold Central Hydraulic System:		
The modular manifold must be constructed of 6061 anodized aluminum material.	☑	☐
The modular manifold shall be adjustable to a maximum pressure of 3500 psi with multiple flow and pressure performance, with function configuration.	☑	☐
The modular manifold will consist of multiple sections bolted together for multiple function configurations.	☑	☐
The entire hydraulic system shall be completely serviceable without removing from the enclosure or disassembling the sections.	☑	☐
A one-piece manifold will not meet the intent of the specification for easy maintenance and service.	☑	☐
The modular manifold must be capable of operating in either open center (fixed displacement) or closed center (variable displacement) hydraulic circuits		
All functions will be proportional controlled, pulse width modulated, pressure and flow compensated.	☑	☐
Plow and Winch functions must have load hold/ counter-balance.	☑	☐
Any valve without load-holding capability or have internal leakage down standard is **NOT ACCEPTABLE**	☑	☐
Heavy-duty 12VDC coils must be protect with a corrosion resistant coating.	☑	☐
Connections must be NEMA x6 standards for dust protection and all 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.	☑	☐
The modular manifold shall be designed for lower pump capacity hydraulic pumps.	☑	☐
Each sections will have flow capacities from 3 to 20 GPM with load holding on all cylinder section.	☑	☐
The hoist and winch sections shall be15 GPM, four way for a double acting cylinder and incorporate a 500psi relief for the hoist A-port	☑	☐
The spinner will be a 7 GPM motor spool cartridge and the auger/conveyor will be 8 GPM motor spool cartridge. 15 GPM motor spool for anti-ice.	☑	☐
The spinner or auger will not stop when other implements are actuated.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5B. Cirrus Hydraulics System (Cont'd)		
Minimum Specification For Modular Manifold Central Hydraulic System: (Cont'd)		
Auger and Spinner cartridge valve will be equipped with screw adjustable manual overrides protected by jacketed debris covers. Hoist, Winch, Plow, spool valves will have a push/pull ring for the manual override.	☑	☐
The hydraulic system shall be pressure and flow tested before the installation process.	☑	☐
Cartridge valves, spool valve, and solenoids must have a 5-year warranty.	☑	☐
Plow and Switch N Go joystick controllers:		
The in-cab control system shall be a one joystick Cirus Black Tip controller or prior approved equal. The single control levers must be true Hall effect (magnetic) joystick with two-axis (X & Y) proportional control with no internal metal contacts.	☑	☐
Amusement grade joysticks for pistol type controllers are not acceptable.	☑	☐
The 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 for the Ford F450-F750 vehicles and with a cup holder mounted bracket in the Dodge Ram 5500 series vehicles.	☑	☐
The dumping hoist and winch shall be controlled by a single joystick and must have a safety trigger protection to activate the hoist and winch function.	☑	☐
Joystick console must have side bracket to mount spreader controller.	☑	☐
The user shall have the ability to set the speed of each direction of motion on a PC for all hydraulic devices controlled by the joystick without modification to the hydraulic system.	☑	☐
The controller must include integrated protection and diagnosis systems with safety features incorporated into the system. Channel Safe™: to protect the system and help diagnose external shorted or open circuits. SafeStik™ that shuts down the output channels if a joystick fails.	☑	☐
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.	☑	☐
The system must supply pulsed+12 volt power to the other lead from each individual valve coil.	☑	☐
All connections at the hydraulic control junction box must be IP 68 rated. The outside the cab harness will be IP 68 rated up to the valve coil connection 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 35C salt spray.	☑	☐
Installing dealer must be authorized to preform warranty repairs and periodic maintenance.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5B. Cirrus Hydraulics System (Cont'd)		
In-Cab Granular and Liquid Control System:		
The in-cab control system shall be capable of operating output channels for granular spreader, and single channel liquid controller on one easily accessible single keypad. In-cab controller must be an automotive grade product. Amusement or gaming 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.	☑	☐
The single touch proportional hydraulic controls shall be time dependent to adjust the speed of the hydraulic functions.	☑	☐
Controller shall have the ability to connect the feed rate and spinner function for single stroke simultaneous start up.	☑	☐
Controller must offer a "Skip Blast" feature allowing for spot blasting during "Pause Mode"	☑	☐
Controller shall offer adjustable valve unseat percentage option: to start auger/conveyor with wet heavy salt.	☑	☐
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.	☑	☐
Rotary knobs to control granular feed rate or spinner speed is **NOT ACCEPTABLE**	☑	☐
The spreader controls shall operate a granular spreader with auger/conveyor, spinner and pre-wet (or anti-ice) output channels. Each function can be operated individually or all simultaneously.	☑	☐
All set-up and programing shall be completed using the controller soft key pad with no external programing keyboard.	☑	☐
Spreader must be field configurable to operate either: Ground Speed Oriented or No Ground Speed (simple manual operation) with a single switch setting. Controller shall also offer a settable Blast Features that will function during Ground Speed Triggered Operation.	☑	☐
System shall be capable of self-diagnosis using the indicator LED light for each channel to trouble-shoot open circuit faults.	☑	☐
All connections inside the hydraulic valve / electronic control junction box must be IP 68 rated.	☑	☐
All connections will be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders.	☑	☐
Cirrus EZ1 Controller Has a 2 Year Warranty	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader		
This option also requires the selection of the Cirrus upgrade. Spreader can also be purchased for existing vehicle with central hydraulics for 10' Dump body and up.		
Hydraulics:		
PTO must be a Chelsea 210H with direct mount pump and 14 gallon reservoir providing up to 9 gallons per minute at 1000 rpm, must be a modular manifold cartridge type valve with 5 year warranty. - Shall be operated by the chassis provided upfitter switches.	☑	☐
General:		
This specification describes a heavy-duty, self-contained hopper spreader designed to spread free-flowing material from 4 to 40 feet. Spreader consists of a steel body and spinner assembly, top screens, pintle-chain conveyor system, power drive and all components required to deliver maximum performance.	☑	☐
Body:		
Shall be of all welded 12-gauge stainless steel construction and 5.6 cubic yards struck capacity.	☑	☐
The hopper length shall be 10 feet long.	☑	☐
Overall height of the unit shall be 50 in.	☑	☐
The overall width to be no more than 82 in.	☑	☐
Body sides slope at 45° angle to promote free flow of material to the conveyor.	☑	☐
Front panel shall be tapered 20° to relieve pressure to the conveyor.	☑	☐
The sides and ends shall be constructed of 12-gauge stainless steel continuously welded to each other on the inside of the hopper, and the top of the body shall be double crimped, forming a 2 in. section for greater rigidity.	☑	☐
Body sills to be of formed 10-gauge stainless steel that ties the lower edge of the longitudinals to each side support. There shall be an adequate number of 12 gauge stainless steel side supports on 2 centers that extend the full side angle height rigidly tying in to the 7 gauge stainless steel formed channel cross sills with the body sides to give the highest degree of resistance to warping or twisting under heavy loads.	☑	☐
The body and conveyor shall be electrically welded into a rugged solid unit.	☑	☐
A heavy-duty lift hook shall be provided at each corner.	☑	☐
These lift hooks shall be inserted through holes in the double crimped section of the hopper walls, and welded in place for maximum strength.	☑	☐
A 6x4 in. formed box beam that is welded at each end will be elevated 3 in. above the top edge of the hopper, providing a longitudinal brace and hinge point for the top screens.	☑	☐
There shall be a formed 2x2 in. angle iron welded from the box beam to each side for additional support.	☑	☐
The rear endplate shall be reinforced inside and supported outside to give it maximum strength.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader (Cont'd)		
Conveyor:		
Shall be of the chain barflight type running longitudinally with the body.	☑	☐
The top edge of the longitudinals shall be formed down over the chain link strands, leaving only the drag chain bar exposed to the material being spread.	☑	☐
Conveyor width shall be not less than 24 in. and shall be a heat-treated, all steel, self-cleaning pintle-type chain.	☑	☐
Chain shall be 2-1/4 in. pitch with 7/16 in. locked non-turning pins and a tensile strength of 21,000 pounds.	☑	☐
Chain bar flights shall have a cross section of 3/8xl-1/2 in. x 18-3/4 in. welded on the top and bottom to every other link and be positioned on approximately 4-1/2 in. centers.	☑	☐
Conveyor gearbox shall have a 50:1 reduction and be of a bronze worm-gear type having a cast-iron housing with a ring-mount bolt pattern and supported on tapered roller bearings.	☑	☐
Chain shall be driven through the gearbox by a low-speed, high-torque (1,200 inch lbs. at motor, 60,000 inch lbs. where it meets the conveyor) orbital-type hydraulic motor.	☑	☐
Conveyor drive sprockets shall be 8 tooth, drop-forged steel keyed to a 1-1/2 in. diameter C1045 steel shaft mounted in sealed, self-aligning ball bearings with grease fittings.	☑	☐
The idler sprockets shall be 8-tooth, drop-forged steel welded to a 1-1/2 in. C1045 steel shaft which is mounted in sealed, self-aligning ball bearings with grease fittings.	☑	☐
The conveyor bottom shall be of flat design, be of a minimum 3/16 in. steel and roll-over edges, shall bolt in and be replaceable	☑	☐
Spinner Assembly		
Spinner assembly shall be fabricated from 12 gauge stainless steel, and shall be of the bottom mount motor design.	☑	☐
Material shall be guided from the conveyor to the spinner disc by means of an internal material baffle, which is easily adjustable without the use of any tools.	☑	☐
There shall be three adjustable stainless steel external spinner deflectors, and one fixed front shield to control the direction and width of the spread.	☑	☐
Baffles shall be adjustable without the use of any tools	☑	☐
Spinner Disc:		
The spinner shall be made of polyurethane and shall be 20" in diameter and be equipped with six fins designed to give a uniform trajectory from four to forty feet.	☑	☐
This spinner disc shall be bolted to a cast iron hub directly connected to the independent low-speed, high-torque, orbital-type spinner drive motor		
Spinner motor shall be 2.8 cubic inch, with nickel plated shaft for enhanced corrosion resistance and improved seal life.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader (Cont'd)		
Spinner Extension:		
The spinner extension shall connect the spinner assembly to the longsills of the spreader, and shall be fabricated from 12 gauge stainless steel.	☑	☐
The extension shall provide adjustable mounting heights of the spinner assembly with a range of 15 inches, in increments of 3 inches.	☑	☐
Inverted Vee:		
The spreader shall have an inverted vee over the conveyor to improve material flow to the conveyor.	☑	☐
The inverted vee shall have four support brackets to hold it in place.	☑	☐
The inverted vee shall be a formed angle, 8 X 8 in. X 12 ga. stainless steel	☑	☐
Top Screens:		
Sectional screens with a maximum length per section of three feet shall be hinge to the 4 in. x 6 in. box beam which is made of stainless steel, and is bolted to both ends of the hopper.	☑	☐
Screens shall be constructed of 3/8 in. diameter steel rods welded to form a 2-1/2 in. square mesh which is framed by a combination of 1/4" X 1 ½" . flat steel and 2 in. angle iron with edge supports reinforced by ¼" X l" in. flat bars.	☑	☐
Screens shall be removable and use a lock-type hinge.	☐	☐
Finish:		
All metal shall have the mill scale, weld splatter, and oil residue removed and the surface shall be electro-chemically cleaned.	☐	☐
All stainless steel shall be left unpainted. All mild steel components shall be painted black.	☐	☐
Light Bar Assembly:		
Light bar assembly with stainless steel enclosure. 78 in. wide, bolt on (4) LED. stop/turn/taillights and ICC ID marker lights, wire harness with pigtail and 7-prong trailer plug RV Style.	☑	☐
Grease Extensions:		
Front bearing grease extensions to the rear of unit with manifold	☑	☐
Chain Oiler:		
Shall be of a gravity flow design with a manual shutoff valve and have a reservoir capacity of 4 quarts.		
Tank shall be polyethylene construction	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader (Cont'd)		
Winch Assembly:		
Winch assembly for BV or BVA models, hand crank to swing up spinner assembly.	☑	☐
Short Hose Kit:		
Short hose kit includes Pioneer 4004PH quick-disconnect couplers (two sets) and four 1/2 in. hoses.	☑	☐
Subframe and Body Rollers		
6" round rollers, powder coated black subframe	☑	☐
5D. Dump Body for 11' Floor Length		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
Dump body:		
• 11' floor length • 24" high two-way dump gate • 40" high bulkhead • 10 gauge floor • 12 gauge sides and 12" side board pockets • Subframe and 6" ground rollers • 18" Cab shield • Heavy Duty D-Rings • Painted Black	☑	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line	☑	☐
5E. Stainless Steel Dump Body for 11' Floor Length		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
Dump Body DB-I I-Stainless:		
• 304 Stainless Steel w/ structural steel understructure • Floors are 10 ga stainless steel w/ structural steel w/ 3" crossmembers on 16" centers • Floor width 88" • Tailgates constructed of 3/16" x 2" x 2" 304 Stainless steel tubing with 304 stainless steel 10 ga sheet, 27" H • 40" 12 ga 304 stainless steel bulkhead • 18" Cabshield • 12", 12 ga 304 stainless sides with 12" board pockets • Heavy Duty D-Rings installed • Standard 6" Steel wheels	☑	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5F. Platform 11' Overall Floor Length		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
11' long platform, 1/8" diamond plate floor, 8' flat deck with l' ramp tail		
1-3/4" red white reflective conspicuity tape down side of body line and around rear	☑	☐
5G. Medium Duty Dump Box		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
10 cubic yard drop box, 11' long and 39" high, dump-style tailgate. Floor, sides and tailgate all 12 gauge material. 2 side posts.	☑	☐
Crossmembers are on 24" centers. 3" X 3" tubing top rail	☑	☐
Swing Door to curbside	☑	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line	☑	☐
5H. Medium Duty Dump Box High Sides		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
13 cubic yard drop box, 11' long floor and 51" high, swing-style tailgate. Floor, sides and tailgate all 12 gauge material. 2 side posts. Crossmembers are on 24" centers. 3" x 3" tubing top rail	☑	☐
Swing Door to Curbside	☑	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line	☑	☐
5I. Manual Tarp:		
For either dump or drop boxes	☑	☐
5J. Stake Sides and Removable Rear Stakes	☑	☐
5K. Horizontal Split Door for Use Chipper Top		
For use with drop boxes; Can be purchased at a later date	☑	☐
5L. 24" Deep Chipper Top		
Leaf top has additional venting for the air to escape - must specify at time of Purchase	☑	☐
5M. Coal Chute		
Dump Body	☑	☐
5N. Side Door in Drop Box		
Located curbside by bulkhead in drop box	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5O. Mason Type Tarp • Waterproof • 3 bar crossmember support • Drop Box application only	☑	☐
5P. Split Doors for Drop Box For Chipper or Leaf Application 1' Ramp on platform *Not to be selected if selecting a spreader for platform application*	☑	☐
5Q. Fold Down Sides Steel Dump Body	☑	☐
5R. Fold Down Sides Aluminum Dump Body	☑	☐
5S. Light Package: Whelen Amber LED Lights: Body upfitter must provide installation of lights so they work in conjunction with the equipment on the truck. • 4 Micron Series Super LED in grill Amber • 2 Micron Ion Series Super LED on rear bracket offender Amber	☑	☐
5T. Go Lights Mounted on cab roof: One (1) Go Light GXL Xtreme Work Lights • 6000 maximum lumens • 5 amp draw • 9-32VDC input	☑	☐
5U. Stainless Steel UTG Spreader *This accessory must have central hydraulics and spreader controls, used on dump bodies and chassis configuration. This option can also be purchased separately and installed on another vehicle which meets these requirements..*		
General: This 6 in. auger under-tailgate spreader shall be of the bottom-opening design, with a safety shut off feature built into the hydraulic system.	☑	☐
This mounting shall allow the dumping of materials without interference from the spreader.	☑	☐
The spreader width shall not be over 96 in.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5U. Stainless Steel UTG Spreader (Cont'd)		
Mounting:		
The entire unit will mount to the sides and below the floor level of the dump box with single-pin, quick-detachable hardware.	☑	☐
Mounting and removing shall be done without the use of any special tools.	☑	☐
Safety Shut-Off:		
The spreader shall incorporate a hydraulic safety shut-off feature that disables the hydraulic functions of the spreader.	☑	☐
This shut-off shall prevent opening the bottom door or opening the top cover beyond a vertical position when the hydraulics are engaged.	☑	☐
Feed Mechanism:		
The six-inch, heavy-duty auger shall consist of 3/8 in. flighting with 4 in. pitch which is welded to a 2-3/8 in. O.D. Schedule 40 pipe.	☑	☐
This auger shall have continuous and reverse flighting for more uniform emptying and is supported by 1-1/4 in. steel shaft ends.	☑	☐
The auger shaft will 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.	☑	☐
The 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 in. Grade 5 bolt.	☑	☐
The discharge port is located 24 in. from the left end.	☑	☐
Stainless Steel Hopper:		
Rigid one-piece end plates of 7 ga. stainless steel shall be continuously welded to an auger trough of 7 ga. stainless steel.	☑	☐
The unit will have a three-point hinged bottom pan that will expose the entire auger for easy clean out. This pan will be fabricated of 7 ga. stainless steel.	☑	☐
The hinged bottom pan shall be held in place with two heavy-duty cam locks with a lifting handle near each lock for easy one-man handling.	☑	☐
The anti-spill cover over each discharge opening will be of 7 ga. stainless steel and shall be removable without the use of tools.	☑	☐
The lid will be of 7 ga. stainless steel and will be an integral part of the unit that may be raised when spreading or lowered when dumping.	☑	☐
This lid shall be locked in position by two latches that are replaceable.	☑	☐
Inside width of the trough shall be a minimum of 10-7/8 in.	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5U. Stainless Steel UTG Spreader (Cont'd)		
Stainless Steel Hopper: (Cont'd)		
Poly Spinner Disc:		
The spinner shall consist of a single 18 in. diameter polymer disc with six formed polymer fins, to provide a flat trajectory and uniform spreading pattern from four to forty feet.	☑	☐
The spinner 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.	☑	☐
The spinner assembly shall be adjustable in height, providing four different ground clearance settings by means of four bolts.	☑	☐
The entire spinner assembly shall be easily removed by pulling two pins and uncoupling two hydraulic quick-disconnect hoses.	☑	☐
The spinner speed rate shall be variable through optional valve systems.	☑	☐
The polymer spinner disc will be mounted directly onto the hydraulic motor shaft by means of a steel spinner hub.	☑	☐
Spinner motor shall be 2.8 cubic inch, with nickel plated shaft for enhanced corrosion resistance and improved seal life.	☑	☐
The spinner assembly shall remain horizontal to the road at all dump box angles.	☑	☐
A spinner shield shall be provided to prevent material from striking the truck.	☑	☐
Finish:		
All carbon steel components shall be painted black.		
Stainless steel components shall be left their natural finish.	☑	☐
Spill Shields:		
Steel spill shields shall be mounted to tailgate to stop any salt from spilling out the sides of the rear of the body..	☑	☐
Dump Accessibility:		
No hydraulic hoses or trough handles are to be above the surface of the spreader.		
Clean dumping surface must be provided	☑	☐
5V. Flat Bed Service Body		
General:		
It is the intent of this bid to specify a 12' service body to be up fitted on a Switch N Go System for an 84" CA, this option is to be used with 11' Switch N Go System	☑	☐
Dimensions:		
Floor:		
• T&G Extruded Aluminum		
• 102" x 56-3/8" Wide Center	☑	☐
Rear Service Body Tailgate	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5V. Flat Bed Service Body (Cont'd)		
Dimensions: (Cont'd)		
Latches:		
• Manual Master Locking System	☑	☐
Compartments:		
• 3 Per Side - 40 3/16" W x 34 7/16" T		
• Welded to Flatbed Floor	☑	☐
Flatbed Construction:		
• G-Tube Perimeter/2x3 .125 Cross Members		
• 12" OC/2x3 .188 Box Tube Long Sills (Gussets every 4" from front to back)		
• All Extruded 6005 Aluminum/Box Tube Construction	☑	☐
Bulkhead:		
• Extruded Aluminum Headboard	☑	☐
D-Rings:		
• 6 Recessed Stainless Steel D-Rings (3 Per Side)		
• Spring-Loaded, 4.4K LB Rating, Evenly Spaced	☑	☐
Cargo Securement:		
• 2 Rows of E-Track Center Body Length		
• 4 Ratchet Straps 2" x 12'	☑	☐
Body Shell:		
• Paint to match County Department Color		
• Each Cabinet to have 3 shelves with dividers	☑	☐
5W. Brine Water Tank		
This unit as specified will need to operate with a central hydraulic system. It can be used on all Switch N Go Applications		
General:		
The system shall have the capability to maintain a uniform application rate of deicing liquid materials behind the truck. The system will have the capability of being used in a manual control (open loop) and automatic control (closed loop). System will consist of a single lane stainless steel spray bar.	☑	☐
Liquid pumping system shall have a hydraulic driven liquid pump. Hydraulic driven systems shall be available up to 100 gpm output.	☑	☐
Fluid Handling Components:		
All fluid handling components shall be constructed of material suitable for handling liquid deicing chemicals without deterioration, corrosion or damage.	☑	☐
Plumbing shall not contain any components manufactured from galvanized or steel fittings.	☑	☐
Liquid tank size shall be 735 gallon.	☑	☐
Overall dimensions of tank shall not exceed 104" length x 48" W x 49" H (including lid).	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5W. Brine Water Tank (Cont'd)		
Fluid Handling Components (Cont'd)		
Tank will include an option of being mounted on a sub frame with stand that will allow for raising the dump body to install and remove the tank assembly without the use of front end loader or forklift.	☑	☐
Tank will be mounted to either steel subframe or other tank support utilizing ratchet straps.	☑	☐
The tank will have gallon markings visible on the rear of tank		
Liquid Pump:		
Hydraulic driven centrifugal pump:		
• A liquid centrifugal pump driven by a hydraulic motor with a maximum output of 235 gpm to allow application rates of up to 60 gallons per lane mile at 60 mph on the highway.		
• Additional liquid centrifugal pumps will be available to allow maximum output of 25 or 100 gpm to allow application rates at low speeds and application rates for parking lot or side streets	☑	☐
System shall have inline removable inlet strainer with 304 stainless filter screen. Screen mesh shall be sized to handle all types of deicing chemicals and protect the pumps and other downstream components from becoming plugged, restricted or pre-mature wear.	☑	☐
Plumbing:		
A manual ball valve is required at the outlet suction of the tank to isolate the liquid from draining from the tank if service is required to the liquid pump, shut offs, check valves or any part of the spraying system.	☑	☐
Tank shall have a second manual 3-way ball valve to allow for filling of the tank by an independent external pump through a 2-inch fitting, or self-loading of the tank by the trucks 2" suction hose and pump	☐	☐
The 3-lane main boom section shutoff off assembly shall be a KZCO common manifold that does not require flange style fittings between each lane section left, center and right. Each boom shut off section is a ball style off/on electrical valve that requires a 12 volt on, 0 volts off control signal and operate from closed to wide open in 1.5 seconds or less	☑	☐
Quick coupe connections to have integral cam locks and tethered dust caps/plugs	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5W. Brine Water Tank (Cont'd)		
Spray Bar:		
The spray bar shall be designed to provide an application of liquid de-icing material right behind the truck in a single boom application	☑	☐
Spray bar shall not exceed 8 feet in length. Spray bar shall be assembled with vertical sidebars (left and right boom sections and horizontal center spray bar) and manufactured from 304 stainless steel	☑	☐
Spray bar shall be constructed of stainless steel with stainless steel nozzles. Center spray bar shall have a minimum of twelve (12) nozzles	☑	☐
Tank Mounting:		
The 735 gallon tank will be mounted to a powder coasted steel sub frame with 2 ratchet straps. The dimension of the sub frame shall be 58" in width and 120" in length	☑	☐
The sub frame with stand consisting of legs that fold or pivot to allow for easy storage of tank on the ground and ease of installation into the dump body. The front legs will fold us as the tank is inserted into the dump body allowing for installation and removal of the tank assembly without the use of a front end loader or forklift.	☑	☐
5X. 48" Under Body Tool Box		
For use with Ford F-550 with 84" CA and No I-Pack Tool Box-Platform and Dumping Platform. Can be purchased for existing vehicles that meet these requirements.	☑	☐
Weatherguard Tread plate Aluminum 650-0-02:		
• 48" X 18" X 18"		
• 16.0 cu ft		
• Door Opening 19-1/2" High and 43-1/4" Wide		
• Stainless Steel D-Handles	☑	☐
5Y. 30" Under Body Tool Box		
For use with Ford F-550 with 60" CA on Dump Body and Platform. Can be purchased for existing vehicles that meet these requirements.		
Weatherguard Tread plate Aluminum 631-0-02:		
• 30-1/8" X 18" X 18"		
• 5.4 cu ft		
• Door Opening 13-1/2" High and 25-1/4" Wide		
• Stainless Steel D-Handles	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5Z. Arbor Body: AB-11		
Structural Steel Construction with ZRP Zinc Primer Rubberized underneath protectant coating	☑	☐
Painted to match cab	☑	☐
Body width interior 76" with interior ladder box and 96" exterior	☑	☐
Floors are constructed of 10 ga. Galvanneal steel with formed 3"x 3/16" Channel with corner gussets	☑	☐
Roof & Tailgate are constructed of 14 ga. Galvanneal steel	☑	☐
Sides are constructed of 12 ga. Galvanneal steel with side stiffeners On 36" center	☑	☐
Tailgates are constructed of a 14 ga. Steel sheet with 1-1/2" x 1/8" Tubular frame work with a height of 30"	☑	☐
Storage compartments: 1 rear ladder storage 17" wide with sloped top and roller shelf and thru-storage compartment 26" wide by 29"	☑	☐
Body equipped with Stop, Turn, Tail Lights, Clearance & Strobe Lights Installed	☑	☐
Standard 6" ground rollers	☑	☐
5AA. Work Ready Subframe: WRSF-11		
Structural Steel Construction with zinc prime and powder coat finish	☑	☐
Body width is 80" outside with a 26" W x 9" D rear cutout	☑	☐
Floors are constructed with a center 1/8" diamond sheet and 19" Wide	☑	☐
¾" expanded metal sides crossmembers are constructed of 3" structural channel on 12" centers	☑	☐
equipped with two front retractable legs and two detachable 6" ground rollers	☑	☐
5BB. Maxscaper 12' Aluminum Landscaper Body Attachment		
GENERAL		
Outside Dimensions: 12' Long X 96" Wide	☑	☐
Inside Dimensions: 48" Height X 88" Wide	☑	☐
Cross Members: On 12" Center – 2" x 3" x 1/8"	☑	☐
Construction:		
All Aluminum 6000 Series Box Tube Construction	☑	☐
Premium B-Tube Perimeter Frame 6000 Series	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5BB. Maxscaper 12' Aluminum Landscaper Body Attachment (Cont'd)		
Construction (Cont'd)		
Aluminum Sheet Sides .125" 5000 Series	☑	☐
Flat Bar Tie Rail 2" x ¼"	☑	☐
3/16" Smooth Aluminum Floor	☑	☐
2" x 3" Crossmembers on 12" Centers body to be ordered without longsills to fit on Switch N Go rails, also a doghouse is to be cut out so the body bulkhead so it slides all the way forward for installation	☑	☐
Heavy Duty Rear Corner Posts 3" x 3" 6000 Series Aluminum	☑	☐
Barn Doors with Polished Stainless Steel Locking Bar	☑	☐
Solid Aluminum Headboard .125" (screened window cover is not acceptable)	☑	☐
52" wide side door at front corner of curbside of body with Stainless Steel Locking Bar	☑	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red/Yellow complete rear of body and 1-3/ 4" red white down side of body line	☑	☐
Switch N Go Subframe with 6" Rollers • All dissimilar metals to have Teflon liner between the two (2) metals before installation	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5BB. Maxscaper 12' Aluminum Landscaper Body Attachment (Cont'd)		
Aluminum Leaf/Chipper Top:		
All Aluminum Construction	☑	☐
Bolts to top rail of Landscape Body	☑	☐
Extruded Aluminum Frame	☑	☐
Smooth Side 1/8" Mill Finish sides	☑	☐
Heavy Duty 3/16" front wall sheet	☑	☐
Punched Ventilation in roof sides - 3 6" x 12" punched vents screened in bulkhead - 1 6" x 12" punched vent screen in front section of each side - 3 6" x 12" punched vents screened in center of each side of body - 1 6" x 12" punched vent screen in rear panel on each side of body	☑	☐
Punched Ventilation in roof top - 4 12" x 12" screened vents spaced evenly in the roof	☑	☐
Lifting hooks total of 4		
Rear of chipper top shall have a single aluminum fold down door and be pin able to work in conjunction with rear doors so it doesn't flop around, upfitter shall cut a hole in door to work with leaf machine approximately 12" in diameter, bottom of the hole to be 105" off ground	☑	☐
Teflon gasket to be installed on bottom of the leaf/chipper top	☑	☐
Switch N Go Rails and undercarriage to be coated with Ziebart undercoating.	☑	☐
5CC. Chipper Leaf Top for Landscaper		
Bolt on Chipper top for Aluminum Landscaper Additional venting for leaf cap, must specify at order	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5DD. 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	☑	☐

5EE. 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. ☑ ☐

5FF. 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.

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5FF. Installation of County Supplied Two Way Radio and Accessories (Cont'd) 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.	☑	☐
5GG. 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	☑	☐
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	☑	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5GG. Technical Support (Cont'd)		
Technical Support for Vehicle Services may be provided at the following fleet maintenance facility locations as scheduled by a Vehicle Services Department representative:		
• Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions will be provided at this location: One beginning at 7 am and another beginning at 1:30 pm)		
• Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050	☑	☐
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 #1 – CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH STEEL DUMP BODY, AS SPECIFIED, OR EQUAL (CONT'D)

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

Introduced on: September 30, 2025
Adopted on: September 30, 2025
Official Resolution#: 2025001393

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

	COMPLIANCE YES	NO
CHASSIS SPECIFICATIONS (CONT'D)		
Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	☒	☐
Interval windshield wipers	☒	☐
Driver & passenger grab handles	☒	☐
Standard XL Rear view camera and prep kit	☒	☐
Chome hub covers front bumper/grill		
3-year/36,000 mile bumper-to-bumper warranty on OE components	☒	☐
5-year/60,000 mile powertrain warranty	☒	☐
Shift on the fly	☒	☐
Cab steps, molded black (running boards)	☒	☐
Snow plow prep package	☒	☐
Single color to be selected from standard color chart at time of order	☒	☐
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	☒	☐

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.	☒	☐
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.	☒	☐
The minimum floor surface width is 82"	☒	☐
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.	☒	☐
Longsills to be 5" structural C-channel, Cross sill shall be 3" I-beam, spaced approximately 16" apart and reinforced with gussets.	☒	☐

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)		
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 ¼" 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.	☒	☐

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
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:		
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 tabletop 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	☒	☐

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

	COMPLIANCE YES	NO
ACCESSORIES (Cont'd)		
Two (2) pull out ladders mounted behind the cab. Grab handle mounted to work in conjunction with ladders	☒	☐
Stone shields and mud flaps	☒	☐
LED strobe system: • Six (6) oval strobe lights to be mounted in cab shield • Four (4) facing forward • One (1) on each side of cab shield • Two (2) facing rear in rear corner posts	☒	☐
6" high oak boards covered in aluminum diamond plate	☒	☐
LED spreader light	☒	☐
Spreader chain kit	☒	☐
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 • 6" red and yellow inverted V in face of tailgate	☒	☐
OPTIONS		
1A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle	☒	☐
1B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle	☒	☐
1C. Upgrade to Regular Cab chassis with 84" Cab to Axle	☒	☐
1D. Upgrade to Super Cab chassis with 84" Cab to Axle	☒	☐
1E. Upgrade to Crew Cab chassis with 84" Cab to Axle	☒	☐
1F. Fold Down Sides on Standard Dump Body	☒	☐
1G. Stainless Steel Body Upgrade Dimensions Eliminator by DeJana fixed side steel dump body, as specified or equal	☒	☐
Material: stainless steel, specifically ASTM A240 type 201 stainless steel having a minimum yield strength of 52,900 psi.	☒	☐
201 Stainless Steel Dump Body	☒	☐

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 Dimensions (Cont'd)		
Length: 9'	☒	☐
Width: 96"	☒	☐
Inner Side Height: 17" High Inner Tailgate Height: 23" High Rated Capacity: 3.3 Cubic Yards with 10" Side Extensions		
Floor and Understructure Floor shall be fabricated from a single sheet of 3/16" AR400 (175,000 PSI Tensile Strength) and is of a crossmemberless design	☒	☐
Floor sheet is formed with angle down at the outside edge on both sides to prevent material from hanging up when fold down sides are open. Rear edge of floor sheet is reinforced to prohibit deflection and maintain a positive long lasting tailgate seal.	☒	☐
Rear apron shall be 8" high, full width design and made with 10 gauge steel	☒	☐
Rear apron to include 3 FMVSS 108 compliant clearance lamps mounted in shock resistant rubber grommets	☒	☐
Body Front & Side Front shall be fabricated from 12 gauge 201 stainless 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 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.	☒	☐
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 12-gauge stainless steel with fully boxes dirt shedding top and bottom rails and in and incorporates 2 vertical braces	☒	☐
Tailgate shall be recessed flush with rear edge of corner post	☒	☐
Tailgate shall be of double acting design incorporating Rugy's patented EZ Latch system with cam action	☒	☐

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 Dimensions (Cont'd)		
Tailgate (Cont'd)		
EZ Latches shall be easily accessible from the ground and shall be located on sides of left and right corner posts	☒	☐
Lower tailgate latch release handle is located at the left front corner of the body	☒	☐
Tailgate top pins are 1.25" and bottom pins are 1.00" diameter	☒	☐
Shall include ¼" proof coil chain and banjo eye slotted holders in corner posts to allow the tailgate to lay flush with the floor	☒	☐
Lights/Wiring		
All lamps/reflectors excess FMVSS 108 Requirements	☒	☐
Lamps shall be LED flush mounted in shock resistant rubber grommets	☒	☐
Ear rear corner post shall include a rear facing auxiliary stop/turn lamp LED	☒	☐
Color-coded wire harnesses shall be provided	☒	☐
Body up light in cab	☒	☐
Cabshield		
Fabricated from 12 gauge 201 stainless steel, slotted viewing window. Design to be ½ cabshield and non tapered.	☒	☐
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.	☒	☐
The pump shall be a gear pump that is direct mounted to a hotshift PTO for a live transmission with gasoline engine	☒	☐

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)		
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	☒	☐
The suction hose to the pump shall be a minimum of 1 ¼" I.D. SAE 100-R4 hose	☒	☐
The PTO shall be a Parker/Chelsea 210 series and have a ratio of 144%	☒	☐
Heat shield to protect PTO wiring	☒	☐
The PTO shall be engaged/disengaged from the cab by a dash mounted 12VDC on/off switch	☒	☐
In power over speed protection required	☒	☐
Modular Manifold Central Hydraulic System		
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	☒	☐
The central hydraulic valve system shall be specifically designed for low volume hydraulic pump output	☒	☐
All implements will function simultaneously	☒	☐
The modular manifold must be constructed of 6061 anodized aluminum material	☒	☐
The modular manifold shall be adjustable to a maximum pressure of 3,500 PSI with multiple flow and pressure performance and with function configuration	☒	☐
The modular manifold will consist of multiple sections bolted together for multiple function configurations	☒	☐
The entire hydraulic system shall be completely serviceable without removing from the enclosure or disassembling the sections	☒	☐
A one-piece manifold will not meet the intent of the specification for easy maintenance and service	☒	☐
The modular manifold must be capable of operating in either open center (fixed displacement) or closed center (variable displacement) hydraulic circuits	☒	☐

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

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	☒	☐

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 (Cont'd)		
Controller must include integrated protection and diagnostic systems with safety features incorporated into the system	☒	☐
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	☒	☐
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	☒	☐
System must supply pulsed +12 volt power to the other lead from each individual valve coil	☒	☐
All connections inside the hydraulic valve/electronic control junction box must be IP 68 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 -4 to +104°F (-20° to +40°C)	☒	☐
All connections shall be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders	☒	☐
Cirus EZ1 Controller shall have a five (5) year warranty	☒	☐
Certified Cirus Lamprey Plow/Hoist Controller		
In-cab control system shall have one (1) fully proportional multi-function joystick	☒	☐
Joystick shall be Hall Effect (magnetic) with no magnetic contacts (amusement/gaming joysticks are **NOT ACCEPTABLE**)	☒	☐
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	☒	☐
Dash mounted momentary hoist switch shall be available when seat mounted controls are removed	☒	☐

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)		
Certified Cirus Lamprey Plow/Hoist Controller (Cont'd)		
Dump body hoist shall be controlled by a single joystick	☒	☐
Hoist control lever must have a safety trigger protection for the hoist function	☒	☐
Control lever will include a programmable plow float function (free-floating system requires a single acting valve)	☒	☐
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	☒	☐
Controller shall include integrated protection and diagnosis systems with safety features incorporated into the system	☒	☐
Channel Safe: protects the system and helps diagnose external shorted or open circuits	☒	☐
SafeStik that shuts down the output channels if a joystick fails	☒	☐
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	☒	☐
One (1) lead from each hydraulic valve coil must be wired to a common ground point	☒	☐
System must supply pulsed +12 volt power to the other lead from each individual valve coil	☒	☐
All connections at the hydraulic control junction box must be IP 68 rated	☒	☐
Outside the cab harness will be IP 68 rated up to the valve coil connection	☒	☐
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 operation temperature range -4 to +104°F (-20° to +40°C)	☒	☐
All connections shall be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders	☒	☐

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)		
Certified Cirus Lamprey Plow/Hoist Controller (Cont'd)		
Installing vendor must be authorized to perform warranty repairs and periodic maintenance on Cirus products	☒	☐
Stainless Steel Reservoir/Valve Enclosure		
Valve sections and manifold shall be mounted in a 304 stainless steel combination reservoir and enclosure	☒	☐
Overall width of the combo shall not exceed 27.66 inches	☒	☐
Enclosure shall be constructed in such a manner that any required maintenance or repair of the valves can be accomplished without obstruction	☒	☐
Valve mount plate shall slide forward for work port access	☒	☐
Enclosure shall be mounted with a minimum of 1" frame clearance on each side of the combo	☒	☐
Reservoir shall have a 14 gallon capacity	☒	☐
Reservoir/Valve Enclosure shall be designed to mount on either side of vehicle chassis	☒	☐
Enclosure must have hydraulic hose hangers to route and protect hydraulic hoses	☒	☐
Reservoir/Tank shall be constructed from 10 gauge 304 stainless steel with 0.25 inch steel bracing with 14 gauge cover	☒	☐
Reservoir filler cap must be angled for easy fill	☒	☐
Two rubber latches shall secure the enclosure lid and the lid must be removable without tools by one person	☒	☐
The rubber latches shall be replaceable with a removable pin	☒	☐
Tank return line shall be mounted internally with case drain and level sensor ports available on both sides of tank	☒	☐
Tank shall have a basket type breather cap and ¾" magnetic drain plug	☒	☐
Suction line shall be 1 ¼" strainer NPT with 1 ¼" full flow brass ball valve	☒	☐
Suction line shall also have a 100 mesh stainless steel strainer	☒	☐

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)		
Stainless Steel Reservoir/Valve Enclosure (Cont'd)		
Return line must be a minimum of 1 ¼" NPT with 10 micron filter and 25 psi bypass with gauge	☒	☐
Hoses and Fittings		
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**)	☒	☐
Hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system	☒	☐
Pressure hoses, including signal sense to pump, shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating	☒	☐
Return lines and case drain shall have a minimum SAE 100-R1 rating	☒	☐
Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing	☒	☐
Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasions, cutting or impact	☒	☐
Quick disconnects shall be stainless steel	☒	☐
Hoses shall not be routed near exhaust manifold pipes, bolts, sharp edges and exhaust system to prevent wear, fatigue or fire	☒	☐
Pipe fittings are not acceptable in any high-pressure line	☒	☐
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**	☒	☐
1K. Stainless Steel UTG Spreader General		
6" auger under-tailgate spreader shall be of the bottom-opening design, with a safety shut off feature built into the hydraulic system	☒	☐
Mounting shall allow the dumping of materials without interference from the spreader	☒	☐
Maximum spreader width shall be 96"	☒	☐

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)		
1K. Stainless Steel UTG Spreader General (Cont'd)		
Mounting		
Unit shall mount to the sides and below the floor level of the dump box with single-pin, quick-detachable hardware	☒	☐
Mounting and removing shall be done without the use of any special tools	☒	☐
Safety Shut Off		
Spreader shall incorporate a hydraulic safety shut-off feature that disables the hydraulic functions of the spreader	☒	☐
Safety Shut-off feature shall prevent opening the bottom door or opening the top cover beyond a vertical position when the hydraulics are engaged	☒	☐
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	☒	☐
Auger shall have continuous and reverse flighting for more uniform emptying and shall be supported by 1 ¼" steel shaft ends	☒	☐
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	☒	☐
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 ½" Grade 5 bolt	☒	☐
Discharge port shall be located 24" from the left end	☒	☐
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	☒	☐
Unit shall have a three-point hinged bottom pan that will expose the entire auger for easy clean out	☒	☐
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	☒	☐

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)		
1K. Stainless Steel UTG Spreader General (Cont'd)		
Stainless Steel Hopper (Cont'd)		
Anti-spill cover over each discharge opening shall be of 7 gauge stainless steel and shall be removable without the use of tools	☒	☐
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	☒	☐
Lid shall be locked in position by two (2) latches that are replaceable	☒	☐
Minimum inside width of the trough shall 10 7/8"	☒	☐
Poly Spinner Disc		
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	☒	☐
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	☒	☐
Assembly shall be adjustable in height, providing four (4) different ground clearance settings by means of four (4) bolts	☒	☐
Assembly shall be easily removed by pulling two pins and uncoupling two (2) hydraulic quick-disconnect hoses	☒	☐
Speed rate shall be variable through optional valve systems	☒	☐
Shall be mounted directly onto the hydraulic motor shaft by means of a steel spinner hub	☒	☐
Motor shall be 2.8 cubic inches with nickel plated shaft for enhanced corrosion		
Resistance and improved seal life	☒	☐
Assembly shall remain horizontal to the road at all dump box angles	☒	☐
Shield shall be provided to prevent material from striking the truck	☒	☐

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)		
1K. Stainless Steel UTG Spreader General (Cont'd)		
Finish		
All carbon steel components shall be painted black	☒	☐
Stainless steel components shall be left in their natural finish	☒	☐
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	☒	☐
Dump Accessibility		
NO hydraulic hoses or trough handles shall be above the surface of the spreader	☒	☐
Clean dumping surface must be provided	☒	☐
1L. Dump-Through Liftgate		
Anthony Liftgates Model #AR-DT 1800, or equal, dump-through liftgate	☒	☐
Durable roller chain drive	☒	☐
Marine duty potted toggle switch Pressure compensated flow valve	☒	☐
Circuit protection	☒	☐
Level ride platform 3-step powder coat	☒	☐
Two (2) year mechanical and Two (2) year electrical and hydraulic parts and labor warranty	☒	☐
90" platform width Cab cut off switch	☒	☐
1M. I-Pack Tool Box		
Knapheide I-Pack Tool Box mounted between cab and dump body	☒	☐
Painted to match cab color, base coat and clear coat	☒	☐
Requires chassis to have an 84" Cab to Axle measurement	☒	☐
Stainless steel continuous hinges, **no exception**	☒	☐
14 gauge Galvaneal shell, E-coat primer, and latches with ABS pans for superior corrosion resistance	☒	☐

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)		
1N. ProTech Aluminum I-Pack with Stainless Steel Doors PN # 20-2737	☒	☐
1O. 30" Under Body Tool Box		
For use with chassis with 60" CA	☒	☐
Weatherguard Tread Plate Aluminum 631-0-02	☒	☐
Dimensions: 30 1/8" x 18" x 18"; 5.4 cubic feet	☒	☐
Door opening: 13 ½" H X 25 ¼" W Stainless steel D-handles	☒	☐
1P. Stainless Steel V-Box General		
(**NOTE**: This option **requires** the ***Central Hydraulic System***)	☒	☐
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	☒	☐
Hopper		
Shall be 9 ft, 44 in, and 70 in inside width	☒	☐
Hopper sides shall slope at a 45° angle	☒	☐
Capacity of the unit shall be 4.0 cubic yards struck	☒	☐
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**)	☒	☐
Each hopper side shall be supported by three (3) full slope body side supports on each side	☒	☐
12-gauge 201 stainless steel front and rear panels	☒	☐
Top edge shall be double crimped for additional support	☒	☐
Adjustable feed gate with a maximum opening of 4 ½" x 9" shall be able to be clamped to allow for a positive gate setting	☒	☐
A heavy duty lift shall be supplied in each corner of the hopper	☒	☐

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)		
1P. Stainless Steel V-Box General (Cont'd)		
Conveyor		
Shall be of the chain barflight type Conveyor section of body shall be 16" wide	☒	☐
Pintle-type chain with a tensile strength of 12,500 lbs Cross bars to be ¼" x 1" welded on 4 5/8" centers	☒	☐
Conveyor to be driven by a 20:1 ratio cast-bronze worm gear	☒	☐
Drive sprockets shall be drop-forged, six-tooth keyed to the minimum 1 ¼"	☒	☐
C1045 steel alloy drive shaft	☒	☐
Idler shaft shall be 1"	☒	☐
Schedule 40 pipe, and shall be equipped with poly idler "sprockets"	☒	☐
Chain adjustment shall be accomplished with two (2) threaded block and rod assemblies	☒	☐
Floor shall be 12-gauge 201 stainless steel of flange-type construction	☒	☐
Spinner Assembly		
Polyurethane spinner disc shall be 13" in diameter	☒	☐
Four (4) formed fins that will give a uniform trajectory from 4 to 40 feet	☒	☐
Shall have two (2) adjustable 201 stainless steel internal baffles	☒	☐
Four (4) 201 stainless steel external overlapping baffles to control the direction and width of the spread	☒	☐
All spinner baffles shall be adjustable without the use of tools	☒	☐
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	☒	☐
Top Screens		
Two section center hinged top screen shall be provided to protect the conveyor chain and spinner from large objects	☒	☐

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)		
1P. Stainless Steel V-Box General (Cont'd)		
Top Screens (Cont'd)		
Screen sections shall be made of 5/16" rods, with square opening of 2 ½", and framed by flat bars, and angle iron steel	☒	☐
Paint		
All mild steel components shall be painted black	☒	☐
Spinner Assembly Motor		
Shall be powered by an additional hydraulic motor, providing independent control over each motor	☒	☐
Hydraulics		
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	☒	☐
Unit will run off of the live drive transmission. NO belt systems	☒	☐
1Q. Spreader Leg Stand Kit PN #3037295		
Accommodates 10' spreaders	☒	☐
1R. Air Compressor, 70 CFM		
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	☒	☐
1S. 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	☒	☐

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)		
1T. Go-Lights, Model 30264		
Go Light Stryker Work Lights (Up to two (2) per vehicle)	☒	☐
Permanently mounted on brackets on I-Pack tool box ***(I-Pack tool box Option MUST be selected)***	☒	☐
6000 maximum lumens	☒	☐
5 amp draw	☒	☐
9-32 VDC input	☒	☐
1U. 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° full blade trip	☒	☐
Blade Assembly		
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	☒	☐

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)		
1U. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Blade Assembly (Cont'd)		
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	☒	☐
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	☒	☐
Lift Frame – 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	☒	☐
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	☒	☐

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)		
1U. 9' Readily Detachable Western Snow Plow System (Cont'd)		
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 ½" 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 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	☒	☐
Hydraulic hoses shall be ¼" 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, mode buttons and indicator lights	☒	☐
Control shall 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 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	☒	☐

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)		
1U. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Hydraulics (Cont'd)		
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) oraircraft 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		
Night Hawk LED Head Lamps	☒	☐
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, shall be easily removed as one complete unit	☒	☐
Accessories with Plow		
Snow deflector	☒	☐
Curb guard right and left	☒	☐
Cab command Hand Held Control/Joystick (Shall be specified at time of order)	☒	☐

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)		
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	☒	☐

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)		
1V. Poly Electric Spreader Dimensions (Cont'd)		
Chute Assembly (Cont'd)		
Spread Width shall be approximately 2' to 40'	☒	☐
Shall include a wide fixed stainless deflector to protect truck bumper and under parts from the material being spread	☒	☐
An alternate license plate location shall be molded into the poly chute housing	☒	☐
Feed Gate		
Shall have a stainless steel lever/handle, spring loaded, with positive detent calibration, for accurate adjustment	☒	☐
Cab Control and Wiring System		
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	☒	☐
Control shall have dual controls to independently control the conveyor and spinner speeds	☒	☐
Harnesses		
Shall have multiplexed electrical system with no high current power cables routed into vehicle cab	☒	☐
Shall have two-piece harness with molded style connectors and covers routed to disconnect at the rear of the truck	☒	☐
CHMSL (Center High Mounted Stop Light) is provided as standard, and an accessory wire for optional work light shall also be included as standard	☒	☐
Standard Features		
Shall include heavy-duty top screen constructed from ¼" diameter rod	☒	☐
Tent style top screens shall be angled at 15°	☒	☐
Hopper body shall have four (4) molded-in-poly tie-down loops	☒	☐

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)		
1W. Special Paint Colors Not On the Standard Color Chart	☒	☐
1X. 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	☒	☐

1Y. 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 ☒ ☐

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)		
1Z. 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.	☒	☐
1AA. 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 6. Upfitter (dump body, sweeper, etc.) – 1 day at each location	☒	☐
Technical representative(s) shall be made available for a total of 180 training /support hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days shall be allowed only with consent of Vehicle Services. 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	☒	☐

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)		
1AA. Technical Support (Cont'd)		
Technical Support for Vehicle Services may be provided at the following fleet maintenance facility locations as scheduled by a Vehicle Services Department representative:		
• Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions will be provided at this location. One beginning at 7 am and another beginning at 1:30 pm)		
• Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050	☒	☐
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	☒	☐

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

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

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
CHASSIS SPECIFICATIONS (Cont'd)		
Standard XL Rear view camera and prep kit	☒	☐
3-year/36,000 mile bumper-to-bumper warranty on OE components	☒	☐
5-year/60,000 mile powertrain warranty	☒	☐
Shift on the fly	☒	☐
Cab steps, molded black (running boards)	☒	☐
Snow plow prep package	☒	☐
Single color to be selected from standard color chart at time of order	☒	☐
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	☒	☐
UTILITY BODY SPECIFICATIONS		
Body Shell		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel	☒	☐
The compartment tops and backs shall be a one-piece seamless design	☒	☐
All door, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion	☒	☐
Floor		
The floor plate shall be constructed of a minimum of 12 gauge treadplate with a 1 3/8" return flange on each side	☒	☐
The side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment.	☒	☐
Understructure		
Cross sills shall be constructed from 11 gauge steel with 50,000 PSI minimum yield strength.	☒	☐
Tailgate		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel.	☒	☐
The tailgate shall be a minimum of 12" high and be a slammable style.	☒	☐
In the open position, the tailgate shall be level with the cargo floor.	☒	☐
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.	☒	☐

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
UTILITY BODY SPECIFICATIONS (Cont'd)		
Doors		
Shall be constructed of 20 gauge two-sided A40 Galvanneal steel.	☒	☐
Shall be double paneled with Expanded Foam Block reinforcements.	☒	☐
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.	☒	☐
They shall be spot welded to the door frames and must be supported with a six year warranty, no exceptions.	☒	☐
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.	☒	☐
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 lockstrike 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.	☒	☐
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		
Double springs over center door retainers shall be installed on all vertical doors.	☒	☐
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).	☒	☐

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
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.	☒	☐
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.	☒	☐
Shelving		
Shelves shall be constructed of 18 gauge bright spangled galvanized steel.	☒	☐
All shelves shall have hemmed dividers on 4" centers: • 2 shelves 1st verticals • 1 shelf horizontal curbside • 2 shelves rear verticals	☒	☐
Shelves must have a minimum capacity rating of 250 lbs., **no exceptions.**	☒	☐
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.	☒	☐
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.	☒	☐
Prime paint shall be oven cured to provide a hard, durable finish.	☒	☐
Final finish color shall match cab color, base coat clear coat.	☒	☐
Installation		
The manufacturer of the body shall supply a recommended installation process along with detailed installation instructions that conform to all applicable FMVSS standards.	☒	☐
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.	☒	☐

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
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	☒	☐
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 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	☒	☐

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
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	☒	☐
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)

	COMPLIANCE YES	NO
OPTIONS (Cont'd)		
2F. 9' Aluminum Utility Body Upgrade Body Shell		
Shall be constructed of 0.09" Aluminum.	☒	☐
The compartment tops and backs shall half-box structure with continuously formed corners	☒	☐
Compartment bottom over the wheel to be constructed of 0.125" Aluminum	☒	☐
Body Shell shall be supported by structural 6061 T6 Aluminum extrusions for durability	☒	☐
All door, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion	☒	☐
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	☒	☐
The side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment	☒	☐
Understructure		
Support shall be constructed entirely of extruded 6061 T6 Aluminum Alloy	☒	☐
Tailgate		
Shall be constructed of 0.09" Aluminum multi-panel	☒	☐
The tailgate shall be a minimum of 12" high and be a slammable style	☒	☐
In the open position, the tailgate shall be level with the cargo floor	☒	☐
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	☒	☐
Doors		
Shall be box structure, doubled paneled and constructed of 0.08" Aluminum with outer panel corners formed continuously	☒	☐

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)		
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	☒	☐

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	☒	☐

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	☒	☐

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)		
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	☒	☐
Pre-build meeting at vendor's facility to see how work will be completed	☒	☐
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	☒	☐
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 ¼" L x 40" H		
• Second Vertical 21" L x 40" H		
• Horizontal 44 ¾" L x 18 ½" H		
• Rear Vertical 27 ½" L x 40" H – reinforced compartment and clips for shelves for heavy duty application	☒	☐
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	☒	☐
2H. Maxon Liftgate		
C2-54-1642-TP38 55" x 38" +4	☒	☐
Aluminum 2 piece extruded plat form 1600 pound capacity	☒	☐
For use with utility bodies with openings of 54-61"	☒	☐
2I. Flip Top Compartment both Street and Curbside for 9 Foot Utility Body	☒	☐

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)		
2J. Flip Top Compartment both Street and Curbside for 11 Foot Utility Body	☒	☐

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 ☒ ☐

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 ☒ ☐

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 ☒ ☐

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 ☒ ☐

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* ☒ ☐

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	☒	☐

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 Venturo 4,000 LB. Electric Crane		
(NOTE: Not Available with Aluminum Body)		
12VDC Electric Crane – Venco Venturo 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	☒	☐
2U. Telescopic Sliding Roof – 9' Body (High Sides)	☒	☐
2V. Telescopic Sliding Roof – 11' Body (High Sides)	☒	☐

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	COMPLIANCE NO
OPTIONS (Cont'd)		
2W. Ladder Rack *(NOTE: This option shall be used with non-flip-top utility bodies).*	☒	☐
System One Ladder Rack: • 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	☒	☐
2X. E-Track Down Each Side of Body – 2" from Top of Compartments	☒	☐
2Y. Four (4) 2' X 12" Ratchet Straps	☒	☐
2Z. BASF Spray Liner on Floor of Compartments	☒	☐
2AA. Whelen LED Liberty II Wecan X 54" Light Bar Light Bar LED Liberty II Wecan X 54"", all modules filled with amber LED • 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	☒	☐
2BB. Light Color Option for Liberty II Wecan X 54" Light Bar Light Color Option: • 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	☒	☐
2CC. Emergency Lighting Split Red Blue Body Lights 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 • 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: September 30, 2025
Adopted on: September 30, 2025
Official Resolution#: 2025001393

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)		
2DD. 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	☒	☐
2EE. Winch		
Full Grille Guard issue must be 2023, 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" ☒ ☐

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)		
2EE. Winch (Cont'd)		
Winch Mount Grille Guard/ Head Lamp Guard Kit, As Specified or Equal		
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"	☒	☐
2FF. 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	☒	☐

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)		
2FF. Air Compressor, 150 CFM (Cont'd)		
Hose Reel: 50' of ½" I.D. air line	☒	☐
2GG. Pioneer Flood Light Head – Model PFH2P1, or Equal		
General Specifications:		
168 Watt +12VDC light head shall incorporate a Super-LED dual flood light installed in die-cast white powder coated aluminum housing.	☒	☐
Configuration shall consist of 60 white Super-LEDs with a clear optic collimator/metallized reflector assembly and a clear non-optic polycarbonate lens.	☒	☐
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.	☒	☐
Shall be installed with a black fiberglass enforced polycarbonate handle.	☒	☐
Flood light shall have 16,000 usable lumens.	☒	☐
The lens/reflector assembly shall utilize a liquid injected molded silicone gasket to be resistant to water, moisture, dust and other environmental conditions.	☒	☐
The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.	☒	☐
Shall be vibration resistant.	☒	☐
PC boards shall be conformal coated for protection	☒	☐
Two breathable membrane patches shall be installed to the bottom of the housing to maintain a consistent internal pressure.	☒	☐
Shall have extended LED operation with low current consumption and low operating temperature.	☒	☐
Furnished with a 6" non-terminated pigtail in the junction box	☒	☐
Shall have the ability to flash a secondary warning light in the "Clearing Right of Way" mode when installed with an external flasher.	☒	☐
Shall be SAE 1113-42 compliant and Class 5 testing for EMI	☒	☐
Voltage: +12v DC	☒	☐

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)		
2GG. Pioneer Flood Light Head – Model PFH2P1, 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	☒	☐
2HH. 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 ¾" Throat Depth: 4 1/8"		
Pipe Jaw Included: Yes	☒	☐
Pipe Capacity: ¼" to 3 ½" 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: ½"	☒	☐
Overall Length: 17 ¾", Overall Height: 10 ¾", Overall Width: 11"	☒	☐
Lifetime Warranty against Manufacturer's defects	☒	☐
2II. Husky 815-Piece Mechanic's Tool Set		
Key Features:		
Alloy Steel Construction SAE and Metric Sizes	☒	☐
Item Weight: 178 lbs.	☒	☐

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. 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 ½" Drive SAE Deep impact socket set (19 pieces)	☒	☐
Limited Lifetime Warranty	☒	☐
Impact Wrench		
• Milwaukee M18 Fuel 18 Volt Litium Ion Brushless, Cordless ½" impact wrench with friction ring kit		
• One (1) 5.0 Ah battery		
• 5 Year Warranty/Tool		
• 3 Year Warranty/Battery		
2JJ. Truck Steel Air/Hydraulic Service Jack		
• Material: Steel		
• Lifting Capacity: 22 Tons		
• Lifting Height Min: 8 ½"		
• Lifting Height Max: 17"		
• Power Raise: 4 5/8"		
• Chassis Length: 22"		
• Operation Type: Air		
• Retracted Length: 8 ½"		
• Handle Length" 47 3/8"		
• Standards: ANSI, ASME and PALD 2009		
• 1-year Limited Warranty	☒	☐

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)		
2KK. 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	☒	☐
2LL. Booster Jump Set Grey with 25' Cables	☒	☐
1-year warranty: Free of defects in material and workmanship	☒	☐
2MM Vehicle Special Order Paint Colors Not On the Standard Color Chart (i.e. Gem Green)	☒	☐
2NN. 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	☒	☐
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	☒	☐
23hp Kohler Gas Engine 2,400 rpm idle speed	☒	☐
2,400rpm – 3,600 rpm weld speed	☒	☐
Single phase, continuous power generator with 6,500 Watts, Peak power 8,000 Watts	☒	☐

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)		
2NN. EnPak A30GBW (Cont'd)		
CAN Bus Connectivity		
Idle sound rating of 66 dB and high speed sound rating of 73 dB	☒	☐
Dimensions: 28" H X 20" W X 47" D; 15.2ft2 in length	☒	☐
Remote Panels		
Weld/battery output panel Main Control panel 120/240V outlet panel	☒	☐
30 CFM Air Compressor		
Rotary-screw air compressor	☒	☐
Generator		
6,500 Watt Electric Generator able to power 120V and 240V AC tools and lights	☒	☐
Battery Charge/Crank Assist		
Maximum of 100 amps of DC power for 12/24V battery charging	☒	☐
Maximum of 300 amps for crank assist	☒	☐
Welding		
210 amp inverter based welder with multi-process ability	☒	☐
Accessories		
25' Battery Charge/Jump Start Cables with plug	☒	☐
Air dryer kit	☒	☐
Pressure switch kit	☒	☐
Air Compressor Oil Heater	☒	☐
Cable with Electrode holder	☒	☐
Cable with work clamp	☒	☐
2/0 Weld Cable Extension 50'	☒	☐
Hose Reel with 50' of ½" I.D. Air Line	☒	☐

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)		
2OO. Inverter		
AIMS Pure Sine 4000 Watt Inverter, placement to be decided at time of order • Peak Power 12,000 Watt surge rating • 12 Volt	☒	☐
Installed with two (2) auxiliary batteries	☒	☐
Additional GFI outlet with weather proof protector located at end users placement	☒	☐
Isolation Solenoid • When truck is running it is charging auxiliary batteries and when truck is off it is only running off auxiliary batteries	☒	☐
2PP. Go-Lights, Model 3024		
Go Light Stryker Work Lights (Up to two (2) per vehicle)	☒	☐
Permanently mounted on retractable poles between front of body and back of cab	☒	☐
6000 maximum lumens	☒	☐
5 amp draw	☒	☐
9-32 VDC input	☒	☐
2QQ. 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	☒	☐

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)		
2QQ. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Blade Assembly (Cont'd)		
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	☒	☐
Lift Frame		
Shall 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 • Adjustable	☒	☐
Integrated into the plow attachment mechanism.	☒	☐
Connecting hook and lever with integral 0.50" lock pin	☒	☐
Two piece lift frame with solid bar construction	☒	☐
Lower lift frame to include drive in plow alignment horns	☒	☐

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)		
2QQ. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Mount		
Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame. Attached to truck with Grade 5 fasteners	☒	☐
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 ½" 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	☒	☐
Hydraulics		
One (1) 1 ½" 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	☒	☐
Hydraulic hoses shall be ¼" 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	☒	☐

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)		
2QQ. 9' Readily Detachable Western Snow Plow System (Cont'd)		
Hydraulics (Cont'd)		
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	☒	☐
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 removed in one step from truck as one complete unit	☒	☐
Accessories with Plow		
Snow deflector	☒	☐
Curb guard right and left	☒	☐
Cab command Hand Held Control or Joystick	☒	☐

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)		
2RR. 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	☒	☐
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.	☒	☐
A 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 position adjustable design to accommodate dump body applications	☒	☐
Assembly shall include a 1/3 HP motor dedicated to power a belt driven spinner	☒	☐

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)		
2RR. Poly Electric Spreader (Cont'd)		
Chute Assembly (Cont'd)		
Chute/Spinner Assembly is designed for easy, no tools, removal in one piece for quick detach and storage	☒	☐
Spinner disk shall be polyurethane, 15.5" in diameter, with four (4) flutes	☒	☐
Width of spread shall be approximately 2' to 40'	☒	☐
Shall include a wide fixed stainless deflector to protect truck bumper and under parts from the material being spread	☒	☐
An alternate license plate location shall be molded into the poly chute housing	☒	☐
Feed Gate		
Shall have a stainless steel lever/handle, spring loaded, with positive detent calibration, for accurate adjustment	☒	☐
Cab Control and Wiring System		
Shall be fused to protect wiring, and have a blast feature for spot spreading	☒	☐
Include self-diagnostic troubleshooting flash codes via LED lights located on control panel as well as audible indicators	☒	☐
Control shall have dual controls to independently control the conveyor and spinner Speeds	☒	☐
Harnesses		
Shall have multiplexed electrical system with no high current power cables routed into vehicle cab	☒	☐
Shall have two-piece harness with molded style connectors and covers routed to disconnect at the rear of the truck	☒	☐
CHMSL (Center High Mounted Stop Light) is provided as standard	☒	☐
An accessory wire for optional work light shall also be included as standard	☒	☐
Standard Features		
Shall include heavy-duty top screen constructed from ¼" diameter rod	☒	☐
Tent style top screens shall be angled at 15°	☒	☐
Hopper body shall have four (4) molded-in-poly tie-down loops	☒	☐

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

	COMPLIANCE YES	COMPLIANCE NO
OPTIONS (Cont'd)		
2SS. Pipe Vise on Removable Plate with Receiver Type Hitch		
Pipe Vise mounted on rear step bumper	☒	☐
Wilton 6 ½" Swivel Pipe Vise	☒	☐
Wilton Pipe Jaws	☒	☐
2TT. 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	☒	☐

2UU. 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. ☒ ☐

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. 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	☒	☐
2WW. 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	☒	☐
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	☒	☒

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)		
2WW. Technical Support (Cont'd)		
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	☒	☐

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

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

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
CHASSIS SPECIFICATIONS (Cont'd)		
Standard XL Rear view camera and prep kit	☒	☐
3-year/36,000 mile bumper-to-bumper warranty on OE components	☒	☐
5-year/60,000 mile powertrain warranty	☒	☐
Shift on the fly	☒	☐
Cab steps, molded black (running boards)	☒	☐
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	☒	☐
Snow plow prep package	☒	☐
Single color to be selected from standard color chart at time of order	☒	☐
ENCLOSED SERVICE BODY SPECIFICATIONS		
Body Shell		
Shall be constructed of 14 gauge two-sided A40 Galvanneal steel	☒	☐
Compartment tops and backs and the compartment end panels shall be a one-piece seamless design	☒	☐
All doors, door openings, drip rails, and other exposed steel edges shall be hemmed for strength, safety, and resistance to corrosion.	☒	☐
Floor		
Shall be constructed of a minimum of 12 gauge treadplate with a 1 3/8" return flange on each side	☒	☐
Side compartment back panel should overlap and interlock with the floor flange, providing support for the weight of the side compartment.	☒	☐
Understructure		
Cross sills shall be constructed from 11 gauge steel with 50,000 PSI minimum yield strength.	☒	☐
Compartment Doors		
Side compartment doors shall be constructed of 20 gauge two-sided A40 Galvanneal Steel	☒	☐
Shall be double paneled with internal reinforcements for durability	☒	☐
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	☒	☐

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)		
Hinges (Cont'd)		
Hinges for the side compartment doors shall be spot welded to the door frames	☒	☐
Hinges for both the rear doors and the conduit chute doors shall be attached with non-corrosive aluminum rivets with stainless steel mandrels.	☒	☐
Hinges must be supported with a six year warranty	☒	☐
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	☒	☐
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	☒	☐
Shall also have an 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 shall be elongated to allow the latches to move vertically relative to the lock strikes to prevent torsional damage	☒	☐
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	☒	☐
Lock cylinders shall be flush mounted for additional security	☒	☐
Door Strikers		
Adjustable strikers shall be affixed to the side compartment 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	☒	☐
Door Retainers		
Double spring over center door retainers shall be installed on all vertical doors	☒	☐
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)	☒	☐
Horizontal doors shall be secured in an open position parallel to the ground by heavy duty chain retainers	☒	☐

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)		
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.	☒	☐
Shelving		
Shall be constructed of 18 gauge bright spangled galvanized steel	☒	☐
Shall have hemmed dividers on 4" centers	☒	☐
Shelves must have a minimum capacity rating of 250 lbs	☒	☐
Interior Light Guards		
Light guards shall be installed by the body manufacturer to provide protection for recessed stop/tail/turn and backup lights	☒	☐
Wiring harness must also be protected	☒	☐
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	☒	☐
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	☒	☐
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	☒	☐
Roof Construction		
Shall be constructed of 16 gauge A40 Galvanneal steel	☒	☐
Shall be tapered and crowned across the top for additional strength	☒	☐
Shall be reinforced by cross braces and shall feature two (2) lockable rear conduit chute doors (one (1) on each side)	☒	☐
Conduit chute doors shall have corrosion resistant zinc plated rotary latches	☒	☐
Latches shall be slammable and shall be keyed the same as the rest of the exterior doors	☒	☐
Shall have adjustable door strikers attached to the door frames with screws	☒	☐

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)		
Roof Construction (Cont'd)		
Roof shall have two (2) access doors each side with chrome T-latches.	☒	☐
Rear Cargo Doors		
Shall be a double panel construction with a 20 gauge	☒	☐
A40 Galvanneal steel outer panel and a 14 gauge Galvanneal steel inner liner	☒	☐
Shall have a nitrogen gas door retainer to assist in both the opening and closing of the door	☒	☐
Shall be designed so that all door rods and latching hardware is concealed between the outer door panel and interior door liner	☒	☐
Shall be available with or without glass.	☒	☐
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	☒	☐
Exterior Prime Paint		
Shall be completely immersed in electrodeposition gray epoxy prime paint featuring a zinc phosphate precoat and seal for additional corrosion protection	☒	☐
Prime paint shall be oven cured to provide a hard durable finish	☒	☐
Final finish color shall match color of cab, base coat clear coat	☒	☐
Interior Paint		
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	☒	☐
Warranty		
The following items shall be covered by a ten (10) year limited warranty:	☒	☐
No Rust-Through Guarantee	☒	☐
Continuous Door Hinges – Guaranteed not to fail to operate or come off body	☒	☐
Latches and Lock Cylinders – Guaranteed against failure	☒	☐

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)		
Warranty (Cont'd)		
Shelves – Guaranteed not to fail in bending under a maximum 250 lb. rated load.	☒	☐
Lighting		
Lighting shall meet all FMVSS standards	☒	☐
Wiring harness shall be encased in a plastic loom and all wires shall be colored for ease of troubleshooting	☒	☐
Wire harness must have connectors that are compatible with the specified chassis without splicing	☒	☐
Stop/tail/turn and backup lights shall be surface mount with built in strobe	☒	☐
The stop/tail/turn/reverse shall be surface mount with built in strobes	☒	☐
All marker, clearance, and R.I.D. lighting shall be LED type lighting (Incandescent lights in any of these locations are **NOT ACCEPTABLE**)	☒	☐
Dimensions		
Knapheide Model KC108L2094J • 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.	☒	☐
Streetside Compartment Configuration • First Vertical: 35.25" x 40" • Horizontal: 44.75" x 18.5" • Rear Vertical: 27.25" x 40"	☒	☐
Curbside Compartment Configuration • First Vertical: 35.25" x 40" • Horizontal: 72" x 18.5" • Rear Vertical: 27.25" x 21.5"	☒	☐
Accessory Lighting		
Compartment lighting must be LED; each compartment must have one vertical and one horizontal light to size	☒	☐

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: • 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) M7 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		
3A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle	☒	☐

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

	COMPLIANCE YES	COMPLIANCE NO
OPTIONS (Cont'd)		
3B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle	☒	☐
3C. Upgrade to Regular Cab chassis with 84" Cab to Axle	☒	☐
3D. Upgrade to Super Cab chassis with 84" Cab to Axle	☒	☐
3E. Upgrade to Crew Cab chassis with 84" Cab to Axle	☒	☐

3F. Medium Height Enclosed Body Upgrade

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. ☒ ☐

3G. High Height Enclosed Body Upgrade

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. ☒ ☐

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"	☒	☐

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	COMPLIANCE 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 o .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.	☒	☐

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)		
Interior Light Dome		
Cargo area of the body shall be illuminated by an overheard dome light, switched at the rear of the body	☒	☐
Roof Construction		
Roof shall be constructed of .09" H5052 aluminum. Shall be tapered and crowned across the top	☒	☐
Roof shall be reinforced by cross braces and shall feature two (2) lockable rear conduit chute doors – one (1) on each side	☒	☐
Conduit chute doors shall have corrosion resistant rotary latches and shall be slam-latchable and keyed to match all other exterior doors.	☒	☐
Door shall have adjustable door strikers attached to the doorframes with screws.	☒	☐
Rear Cargo Doors		
Shall be constructed of .09" H5052 Aluminum for outer panels and inner liner.	☒	☐
Each door shall have nitrogen gas door retainer to assist in both the opening and closing of the door	☒	☐
Each door shall be designed so that all door rods and latching is concealed.	☒	☐
Rear cargo doors are constructed with or without glass – **to be selected at time of order**	☒	☐
IF Glass is selected: Minimum 9" X 30" fixed tempered glass window installed in each door and protected by an aluminum window guard.	☒	☐
Bulkhead		
Shall be of ABS material.	☒	☐
Body shall have sliding door to access the cargo area from the cab.	☒	☐
Bulkhead door shall have slam-latch handle on both sides of the door which can be locked from the cab side.	☒	☐
Bulkhead door is to open and close on stainless steel ball bearing slides. Door hinges are **NOT ACCEPTABLE.**	☒	☐

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	COMPLIANCE NO
OPTIONS (Cont'd)		
3K. Aluminum Body Upgrade from Steel (Cont'd)		
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	☒	☐
Interior Paint Interior Paint is to be mid-gloss, mar resistant, buff finish	☒	☐
Warranty The following shall be covered by a minimum 10-year limited warranty: • 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.	☒	☐
Lighting Shall meet all FMVSS standards.	☒	☐
Wiring harness shall be encases in a mesh loom and all wires are to colored for ease of troubleshooting.	☒	☐
Wire harness shall have connectors that are compatible with OEM 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 safety.	☒	☐
Lighting system shall feature all LED type lighting, incandescent or other lighting is **NOT ACCEPTABLE**	☒	☐
LED Compartment Lighting Each compartment shall have one (1) full length vertical and horizontal light to illuminate full compartment	☒	☐

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.

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

	COMPLIANCE YES	COMPLIANCE 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	COMPLIANCE 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 M9 Super LED Scene Lights

- Whelen M9 Gradient Opti-Scenelight:
- LED White Light only – mounted on side of enclosed body for work light area
- 3N. Whelen M9 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)

	COMPLIANCE YES	NO
OPTIONS (Cont'd)		
3T. Inverter		
AIMS Pure Sine 4000 Watt Inverter, placement to be decided at time of order • Peak Power 12,000 Watt surge rating • 12 Volt	☒	☐
Installed with two (2) auxiliary batteries	☒	☐
Additional GFI outlet with weather proof protector located at end users placement	☒	☐
Isolation Solenoid • When truck is running it is charging auxiliary batteries and when truck is off it is only running off auxiliary batteries	☒	☐
3U. BASF Spray Liner on Floor and Sides of Cargo Area	☒	☐
3V. BASF Spray Liner on Floor of Compartments	☒	☐
3W. Hide-A-Way Bumper Crane Western Mule S-1350 Fold-A-Way Crane: • 1350 lbs. capacity • Aluminum bumper cover and fold down rear grip strut • LED light package	☒	☐
3X. Whelen LED Liberty II Wecan X 54" Light Bar • Light Bar LED Liberty II Wecan X 54", 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	☒	☐
3Y. Light Color Option for Liberty II Wecan X 54" Light Bar 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	☒	☐
3Z. Emergency Lighting LED Body Lights Red Blue Split, 3 ½" Super LED clear lens with red and blue lights shall be installed.	☒	☐

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)		
3AA. Maxon Liftgate		
C2-54-1642-TP38 Liftgate 55" x 38" +4	☒	☐
Aluminum Extruded 2-Piece Platform	☒	☐
1600 pound capacity	☒	☐
For use with utility bodies with openings of 54-61"	☒	☐
3BB. Subfloor		
6" High full length sub floor for enclosed body	☒	☐
3CC. Transverse Compartment		
First Vertical Full Transverse Compartment:	☒	☐
Three (3) draw pull out both street and curbside *(Note: When ordered with C-Tech Drawer Unit, transverse is curbside only)*	☒	☐
3DD. C-Tech Drawer Unit		
Drawer Unit to be installed in Street side first vertical: • 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 • *This eliminates full transverse compartment if selected; goes to only back of Compartment*	☒	☐
3EE. Air Compressor, 70 CFM		
• 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	☒	☐

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.	☒	☐

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	☒	☐

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 ½" 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 ¼" 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 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)

	COMPLIANCE YES	NO
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	☒	☐
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	☒	☐
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 from truck as one complete unit	☒	☐
Accessories with Plow	☒	☐
Snow deflector	☒	☐
Curb guard right and left	☒	☐
Cab command Hand Held Control or Joystick (to be chosen by user Department at time of order)	☒	☐

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. Winch

- Current Model Year, or Newer Full 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:

10" x 4.5"

☒ ☐

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

☒ ☐

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. Winch (Cont'd)		
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"	☒	☐
3JJ. 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 19242 1/2" Drive metric deep impact socket set (26 pieces)	☒	☐
Dewalt – DWMT 19239 ½" Drive SAE Deep impact socket set (19 pieces)	☒	☐
Limited Lifetime Warranty	☒	☐
Impact Wrench		
Milwaukee M18 Fuel 18 Volt Litium Ion Brushless, Cordless ½" impact wrench with friction ring kit	☒	☐
One (1) 5.0 Ah battery	☒	☐

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	COMPLIANCE NO
OPTIONS (Cont'd)		
3JJ. Husky 815-Piece Mechanic's Tool Set (Cont'd)		
Impact Wrench		
5 Year Warranty/Tool	☒	☐
3 Year Warranty/Battery	☒	☐
3KK. Truck Steel Air/Hydraulic Service Jack		
Material: Steel	☒	☐
Lifting Capacity: 22 Tons	☒	☐
Lifting Height Min: 8 ½"	☒	☐
Lifting Height Max: 17"	☒	☐
Power Raise: 4 5/8"	☒	☐
Chassis Length: 22"	☒	☐
Operation Type: Air	☒	☐
Retracted Length: 8 ½"	☒	☐
Handle Length" 47 3/8"	☒	☐
Standards: ANSI, ASME and PALD 2009	☒	☐
1-year Limited Warranty	☒	☐
3LL. 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	☒	☐

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)		
3MM. Booster Jump Set	☒	☐
Grey with 25' Cables	☒	☐
1-year warranty: Free of defects in material and workmanship	☒	☐
3NN. Special Paint Colors Not On the Standard Color Chart		
3OO. 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	☒	☐
3PP. Two-Way Radio Power and Wiring Requirements for New Vehicles		
Must be completed by Body Upfitter 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	☒	☐

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. Installation of County Supplied Two Way Radio and Accessories		
Must be completed by Body Upfitter		
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.	☒	☐
3RR. 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	☒	☐
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	☒	☐

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	COMPLIANCE NO
OPTIONS (Cont'd)		
3RR. Technical Support (Cont'd)		
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)

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

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
CHASSIS SPECIFICATIONS (CONT'D)		
Standard XL Rear view camera and prep kit	☒	☐
3-year/36,000 mile bumper-to-bumper warranty on OE components	☒	☐
5-year/60,000 mile powertrain warranty	☒	☐
Shift on the fly	☒	☐
Cab steps, molded black (running boards)	☒	☐
Snow plow prep package	☒	☐
Single color to be selected from standard color chart at time of order	☒	☐
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	☒	☐
PLATFORM SPECIFICATIONS		
Platform body shall be a heavy duty body to be used on a single axle chassis	☒	☐
The hoist shall be an arm type hoist	☒	☐
The unit shall be a current design and production unit. Bidders shall submit current literature for body, hoist and snow plow proposed	☒	☐
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.	☒	☐
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.	☒	☐

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

	COMPLIANCE YES	NO
PLATFORM SPECIFICATIONS (Cont'd)		
Body upfitter must provide installation of equipment bid	☒	☐
The platform body shall be of current design and compatible with the specified chassis	☒	☐
General: Heavy Hauler JR PHHJT-93B Platform Body with Options		
The platform body shall be a heavy hauler junior style to be used on specified single rear axle chassis. The complete body and removable sides must be supplied by a single manufacturer and be a proven standard production model.	☒	☐
Dimensions		
• 111" Platform Length • 95.9" Platform Width • 40" High Permanently Installed Bulkhead with mesh window	☒	☐
Construction		
Platform body shall be constructed of ASTM A36 standard with a minimum 36,000 PSI yield for minimal deflection in critical areas	☒	☐
Continuous weld seams to prevent entrapment of dirt and moisture with superior workmanship	☒	☐
Bulkhead		
Permanently installed bulkhead	☒	☐
E-Track installed height of lower and center rails on stake sides	☒	☐
Shall include 1 E-Track 2" wide ratchet strap	☒	☐
Bulkhead shall be constructed from 11 gauge high strength steel	☒	☐
Bulkhead shall include rust-resistant punched window	☒	☐
Bulkhead shall be secured to platform with one-piece box section corner post and two (2) 3" structural intermediate posts	☒	☐
Platform Portion		
Shall have 3/16" treadplate steel floor; steel over wood overlay is **NOT ACCEPTABLE**	☒	☐
Floor and understructure shall be undercoated for corrosion protection	☒	☐
Side and end rails shall be constructed from 6" structural steel channel	☒	☐
Sides and end rails shall face outward to accommodate binding straps and chains	☒	☐
Recessed heavy duty D-rings every 3 feet, on both sides of floor (street and curbside)	☒	☐

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
PLATFORM SPECIFICATIONS (CONT'D)		
Platform Substructure		
Long sills shall be constructed with 5" structural steel	☒	☐
Cross sills shall be constructed with 5.44" structural steel on 16" centers	☒	☐
Lighting		
LED 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 wire harness must have connectors that make it compatible to the specified chassis without splicing	☒	☐
The stop/tail/turn lights shall be mounted below the platform in non-corrosive containers	☒	☐
Accessories		
Sleeve Adapter HC3Z-19H282-A	☒	☐
Pintle Plate ¾" 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 *(Note: Not available when hoist and liftgate ordered together)*	☒	☐
Two (2) pull-out ladders mounted behind the cab	☒	☐
Grab handle mounted to work in conjunction with ladders	☒	☐
Stone shields and plain black mud flaps Conspicuity enhancement – 2" red and white diamond grade reflective striping	☒	☐
DOT safety kit, first aid kit, and 10 lb. fire extinguisher w/bracket and safety triangles	☒	☐
OPTIONS **4A. Upgrade chassis to Super Cab chassis, retaining 60" Cab to Axle**	☒	☐

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)		
4B. Upgrade chassis to Crew Cab chassis, retaining 60" Cab to Axle	☒	☐
4C. Upgrade to Regular Cab chassis with 84" Cab to Axle	☒	☐
4D. Upgrade to Super Cab chassis with 84" Cab to Axle	☒	☐
4E. Upgrade to Crew Cab chassis with 84" Cab to Axle	☒	☐
4F. Upgrade to Regular Cab chassis with 108" Cab to Axle	☒	☐
4G. Upgrade to 12'3" Platform Body with Removable Stake for use with 84" CA Chassis 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.	☒	☐
Dimensions 147" Platform Length	☒	☐
95.9" Platform Height	☒	☐
40" High Permanently Installed Bulkhead with mesh window	☒	☐
40" High Removable Stake Sides	☒	☐
40" High Rear Swing Gates	☒	☐
4H. Thieman TT Liftgate Thieman Model TT 20ET or equal liftgate, to be used on non-dumping platforms	☒	☐
Steel Platform: 86" x 30" + 5"	☒	☐
Ramp is 5" fixed	☒	☐
Capacity: 2,000 lbs.	☒	☐
Rustproofing on platform frame	☒	☐
Operation: Power down, level ride	☒	☐
Lift Mechanism: Direct dual cylinder lift (no chains or cables)	☒	☐
Pivot Pins: Non-rotating stress proof materials with Nitrotec	☒	☐
Controls: Molded toggle switch control	☒	☐

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)		
4H. Thieman TT Liftgate (Cont'd)		
Bushings: Low maintenance replaceable bushings at all pivot points	☒	☐
Platform Surface: Steel skid resistant safety plate	☒	☐
Lift Cylinders: Dual cylinders 2" bore x 8" stroke, adjustable shaft for platform height adjustment	☒	☐
Power Unit: Electric hydraulic, 12 volt DC motor, enclosed	☒	☐
Electrical: Shall meet all TMC electrical requirements; includes 150 amp circuit breaker	☒	☐
Safety Latches: Dual automatic locking pins lock platform in stored position	☒	☐
Bed Height Range: 30" loaded to 50" empty	☒	☐
Installed Weight: 775 lbs.	☒	☐
Accessories: In-Cab Shut Off Switch and Light Kit		
Extra fabrication for the hitch shall be included	☒	☐
Note: with this liftgate option you lose rear gates.	☒	☐
4I. Thieman Stow-Away Standard Tailgate Liftgate		
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	☒	☐
Steel Platform: 84" x 36" + 6"	☒	☐
Capacity: 2,000 lbs.	☒	☐
Operation: Power Up and Power Down; Molded toggle switch controls	☒	☐
Lift Cylinder: 3" bore x 10" stroke, adjustable shaft for platform height	☒	☐
Pivot Pins: Non-rotating stress proof material with Nitrotec	☒	☐
Bushings: Low maintenance replaceable bushings at all pivot points	☒	☐
Snubber: Kit reduces movement during travel	☒	☐
Power Unit: Electric hydraulic, 12 volt DC motor with solenoid cover	☒	☐

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)		
4I. Thieman Stow-Away Standard Tailgate Liftgate (Cont'd)		
Travel Position: Platform stores under truck body at rear of vehicle	☒	☐
Accessories with Platform: Dock Bumpers, Receiver Hitch Bracket, Rear Impact Guard	☒	☐
4J. Under Body Hoist for Dumping Capabilities		
Rugby SR-5020 truck hoist, or equal, tested at full-rated capacity for an extended life cycle	☒	☐
Class 50 Dump Hoist Approximate Weight: 710 lbs.	☒	☐
10' Subframe	☒	☐
Double acting hydraulic pump	☒	☐
Cylinder Specifications: 6" bore, 20" stroke, 2 ½" diameter rod	☒	☐
Mounting Height: 11.3"	☒	☐
Capacity: 9.1-17 tons	☒	☐
Factory tested for durability and performance	☒	☐
Integrated Body Prop	☒	☐
Mounting Distance: 90.25"	☒	☐
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.	☒	☐
Shall be operated by a rocker switch mounted in the dash	☒	☐
4K. Dump-Through Liftgate		
Must be selected with Hoist Option if Gate Required Anthony Liftgates Model #AR-DT 1800 dump-through liftgate	☒	☐
Durable roller chain drive	☒	☐
Marine duty potted toggle switch	☒	☐
Pressure compensated flow valve	☒	☐
Circuit protection	☒	☐
Level ride platform	☒	☐

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)		
4K. Dump-Through Liftgate (Cont'd)		
3-step powder coat	☒	☐
2-year mechanical and 2-year electrical and hydraulic parts and labor warranty	☒	☐
90" platform width	☒	☐
Cab cut off switch	☒	☐
Replaces swing gates or barn doors	☒	☐
4L. 40" Stake Sides (9'3" Body)		
40" High Removable Stake Sides to fit base unit's 9'3" body	☒	☐
Reinforced, E-Track to be installed on lower and center rails of stake sides	☒	☐
Three (3) sets of E-Track 2" ratchet straps provided with sides	☒	☐
40" High Rear Swing Gates Color: Black	☒	☐
4M. 40" Stake Sides (12'3" Body)		
Same specifications as option 4L, but for longer 12'3" body option	☒	☐
4N. Color Option for 40" Stake Sides		
Option to paint 40" stake sides any color different from standard black	☒	☐
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	☒	☐
4O. 52" Stake Sides (9'3" Body)		
52" High Removable Stake Sides to fit base unit's 9'3" body	☒	☐
Reinforced, E-Track to be installed on lower and center rails of stake sides	☒	☐
Three (3) sets of E-Track 2" ratchet straps provided with sides	☒	☐
52" High Rear Swing Gates Upgrade bulkhead to 52"	☒	☐
Color: Black	☒	☐
4P. 52" Stake Sides (12'3" Body)		
Same specifications as option 4O, but for longer 12'3" body option	☒	☐
4Q. Color Option for 52" Stake Sides		
Option to paint 52" stake sides any color different from standard black	☒	☐
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	☒	☐

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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)		
4R. 40" Grain Sides (9'3" Body)		
40" High one-piece 14 gauge sides with stakes that adapt to specified body	☒	☐
40" High barn doors, double opening	☒	☐
2 bars that fit across the body to stop the spreading of the sides	☒	☐
Color: Black	☒	☐
4S. 40" Grain Sides (12'3" Body)		
Same specifications as option 4R, but for longer 12'3" body option	☒	☐
4T. Color Option for 40" Grain Sides		
Option to paint 40" grain sides any color different from standard black	☒	☐
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	☒	☐
4U. 52" Grain Sides (9'3" Body)		
52" High one-piece 14 gauge sides with stakes that adapt to specified body	☒	☐
52" High barn doors, double opening	☒	☐
2 bars that fit across the body to stop the spreading of the sides	☒	☐
Upgrade bulkhead to 52"	☒	☐
Color: Black	☒	☐
4V. 52" Grain Sides (12'3" Body)		
Same specifications as option 4U, but for longer 12'3" body option	☒	☐
4W. Color Option for 52" Grain Sides		
Option to paint 52" grain sides any color different from standard black	☒	☐
NOTE: Bidder MUST submit ONE price. Same price to be used for both body lengths	☒	☐
4X. Light Package 1		
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 grill • Four (4) 4" ovals on body sides, two (2) each side angled out for oncoming traffic in tissue boxes • Two (2) Micron Series at rear of body	☒	☐

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Official Resolution#: 2025001393

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 seriesto 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 ½" high and 25 ¼" wide	☒	☐
Stainless steel D-handles	☒	☐
4CC. 48" Under Body Tool Box		
Weatherguard Defender Series 300501-9-01, or equal	☒	☐

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	COMPLIANCE YES	NO
OPTIONS (Cont'd)		
4CC. 48" Under Body Tool Box (Cont'd)		
48" x 19" x 19"	☒	☐
9.5 cubic feet	☒	☐
Lock System – Push Button	☒	☐
Material: Aluminum	☒	☐
4DD. Air Compressor, 70 CFM		
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. airline mounted under body (unless specified otherwise at time of order)	☒	☐
4EE. 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. airline mounted under body (unless specified otherwise at time of order)	☒	☐

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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)		
4FF. Whelen LED 54" Light Bar		
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)	☒	☐
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 or bulkhead of platform	☒	☐
4GG. 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° 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	☒	☐

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)		
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	☒	☐
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 with a 0.50" lock pin	☒	☐
Lift Frame – 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	☒	☐
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	☒	☐
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	☒	☐
Hydraulics		
Electric solenoid activated and detachable with lift	☒	☐

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	COMPLIANCE YES	NO
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 ½" 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	☒	☐
Secondary valve shall contain two (2) driver side and one (1) curb 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 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 gland nut	☒	☐
Hydraulic hoses shall be ¼" 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	☒	☐
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 and also be able to angle left or right when in float	☒	☐
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	☒	☐

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

	COMPLIANCE YES	COMPLIANCE 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	☒	☐

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. Slide Bar with Straps		
3' slide bar with three (3) 3" ratchet straps mounted under body ratchet bar included	☒	☐
4JJ. 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	☒	☐
Conveyor: Shall be drag bar chain type	☒	☐
Overall shall be 100% constructed of 14 gauge 201 stainless steel with a 16 ¾" wide pintle chain conveyor system	☒	☐
Steel pintle chain with 3/16" x ¾" cross bars	☒	☐
Chain strength is 11,000 lbs. per strand; 22,000 lbs. total	☒	☐

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	COMPLIANCE YES	NO
OPTIONS (Cont'd)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
Conveyor (Cont'd)		
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 ½" 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 ½" 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	☒	☐
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	☒	☐

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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)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
Chute Assembly (Cont'd)		
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 ¼" 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	☒	☐
Amusement or gaming products will **not be accepted**	☒	☐
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	☒	☐
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	☒	☐
The printed PVC soft touch membrane switch interface shall be tested to 5 million impressions for life and durability	☒	☐

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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)		
4JJ. Stainless Steel V-Box, Hydraulically Operated Hydraulics (Cont'd)		
EZ Spread Controller: (Cont'd)		
Touch pad to control granular feed rate or 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	☒	☐
The spinner shall increase during Blast; must also be an adjustable option	☒	☐
The spreader control shall be capable of operating each function in open loop Mode	☒	☐
Spreader must be field configurable to operate either: Ground Speed Oriented or No Ground Speed (simple manual operation) with a single switch setting	☒	☐
Controller shall also offer a settable	☒	☐
Blast Feature that will function during Ground	☒	☐
Speed Triggered Operation	☒	☐
The controller must include integrated protection and diagnosis systems with safety features incorporated into the system	☒	☐
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	☒	☐

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

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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)		
4LL. Two-Way Radio Power and Wiring Requirements for New Vehicles		
Must be completed by Body Upfitter		
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.	☒	☐
4MM. Installation of County Supplied Two Way Radio and Accessories		
Must be completed by Body Upfitter		
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.	☒	☐
4NN. 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	☒	☐

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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)		
4NN. 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	☒	☐

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

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

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
CHASSIS SPECIFICATIONS (CONT'D)		
3-year/36,000 mile bumper-to-bumper warranty on OE components	☒	☐
5-year/60,000 mile powertrain warranty	☒	☐
Shift on the fly	☒	☐
Cab steps, molded black (running boards)	☒	☐
Snow plow prep package	☒	☐
Single color to be selected from standard color chart at time of order	☒	☐
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	☒	☐
SWITCH-N-GO SPECIFICATIONS		
This specification is for a detachable truck body system for vehicles with a GVWR less than 26,000 lbs. This system shall be run off a hydraulic system for hoist and winch; electric is **NOT ACCEPTABLE.**	☒	☐
For emergency purposes, the body-upfitter must have a facility in New Jersey for parts and service.	☒	☐
GENERAL		
Switch-N-Go 11' Hydraulic Hoist System. Model 11-4016-lSH-l0T GEN Il 15,000 lbs. Winch Loading Capacity Hydraulic Winch & Hydraulic Hoist. Unlimited Winch Pulls per Day.	☒	☐
Hydraulic Pump Type: - Live Drive Style PTO'for operation while in gear	☒	☐
Hydraulic Pump Specifications: - 3000 PSI@, 12-15 GM.	☒	☐
Hose Size: - 1/2" Diameter Pressure Line, 3/4" Diameter Return Line.	☒	☐
The Hoist system must have a top frame with Steel wear strips.	☒	☐
Hoist system must use glass impregnated slide pads when loading/unloading the bodies. Polystone M (UHMW-PE) MPG glass filled material to be used.	☒	☐
Hoist system rear pivot pin size diameter needs to be a minimum of 1.5".	☒	☐
Hoist system hinge assembly to be designed and constructed of geometrically optimized 3/8" and ½" thick plate - specifically for loading and removal of interchangeable bodies.	☒	☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
GENERAL (Cont'd)		
Hoist system rear Body Hold Downs to be "Universal Style" to accept multiple body lengths.	☒	☐
Hoist system winch is required to have a clutch block-out for safety.	☒	☐
Prop Rod to be mounted within the hoist frame.	☒	☐
Swivel Hook for the winch cable.	☒	☐
Approx. Dumping Capacity 10.3 Ton	☒	☐
Pre-Plumbed Hydraulic Lines	☒	☐
Pre-installed In-line Filter Housing with Reusable Filter	☒	☐
Hydraulic Reservoir: - 15 Gallon minimum with filter Standard 18" Rear Overhang	☒	☐
Hoist System Install Kit:		
9' 12' Gen II H-Series.	☒	☐
Gen II Series Mounting Bracket	☒	☐
Bolt-On Bumper with Light Bars	☒	☐
Includes Bumper Face Plate, Light Tubes, Two Lights Per Side, Stop/Tail/Turn/Reverse	☒	☐
and Stop/Tail/Turn/Reverse/Strobe, Wire Harness and	☒	☐
Mounting Hardware.	☒	☐
Rated for 20K	☒	☐
Bolt-on 10 TON 2-1/2" Receiver Tube Weldment and 9/16" hardware	☒	☐
One pair of plastic fenders for 19.5 tires, with mounting brackets	☒	☐
No Advertisement on mudflaps	☒	☐
SNG Fuel Filler Rod		
Hydraulics: PTO must be a Chelsea 210H with direct mount pump and 15 gallon reservoir providing up to 9 gallons per minute at 1000 rpm, must be a modular manifold cartridge type valve with 5 year warranty. Switch N Go shall be operated by the Switch N Go Pendant Controller.	☒	☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
GENERAL (Cont'd)		
Lights/Wiring:		
All lamps/reflectors exceed FMVSS 108 requirements.	☒	☐
Lamps shall be LED flush mounted in shock resistant rubber grommets to maximize bulb life.	☒	☐
Each side of 90" ICC bumper shall include a rear facing auxiliary stop/turn/reverse lamp LED for improved visibility and operator's safety. Also includes Amber strobe in bumper. The ICC bumper plate will also include a class V receiver tube with D-Rings back up alarm and trailer plug. The light extensions of the ICC bumper shall be a minimum of 16" off the ground. Color-coded wire harnesses are provided to minimize installation time and simplify diagnosis.	☒	☐
Body up light in cab.	☒	☐
Hydraulic Winch:		
Rated pulling force 15,000 lbs., 6.0 cubic inch motor	☒	☐
Drum barrel diameter 4"	☒	☐
Drum flange 8.24"	☒	☐
Distance between flanges 9.95"	☒	☐
Recommended maximum wire rope diameter ½"	☒	☐
Recommended minimum wire rope breaking strength 26,600 lbs.	☒	☐
Duty cycle 932'	☒	☐
Maximum layers of wire rope: 3	☒	☐
Hardened steel two stage planetary gear train with 36:1 reduction provides fast line speed	☒	☐
Heavy duty disc brake for dependable operation and plenty of holding power	☒	☐
Meets SAE J706 and CE standards	☒	☐
Winch to be operated off truck hydraulics and Switch N Go controls	☒	☐
Accessory Lighting:		
3 Whelen Ion T-Series Amber LED evenly spaced on top of pintle plate below hoist	☒	☐
LED spreader light mounted to frame for visibility during spreader operation		
ICC Pintle Plate Bumper as described above:		
• Pollak 7 Pole RV Style harness and twist and lock plug		
• Backup alarm		
• 3 ball receiver tube 1-7/8", 2", 2-5/16" lock in style pin not acceptable		
• 6 ton receiver mount Pintle & 2" ball combination hitch	☒	☐
Stop/Tail/Turn/Reverse/Safety Amber light extensions to be a minimum of 16" from the ground all lights to be LED	☒	☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
GENERAL (Cont'd)		
Conspicuity Enhancement/Safety:		
2" red and white diamond grade reflective striping, DOT Safety Kit, first aid kit, 5 1b fire extinguisher with bracket and safety Triangles	☒	☐
Additional Winch Cable to be supplied at time of delivery	☒	☐
Additional Safety Locking Pin to be supplied at time of delivery	☒	☐
Ziebart Undercoating, chassis frame and Switch N Go frame from cab to end of frame rails	☒	☐

OPTIONS:

NOTE: *Successful bidder must be able to provide* ***any/all*** *options as specified below including installation of this body onto* ***existing County-owned Switch N Go truck****. If options are purchased for current County-Owned Switch N Go Trucks, the equipment shall be delivered to upfitter's facility for final measurements and installation at time of Mandatory Pre-Build. Bidder must have provided this type of conversions in the past with a minimum of 5 years of working with the Switch N Go product, proof of this type of work must be supplied with bid.*

5A. 9.0' Readily Detachable Snowplow System

This option can be selected with all configurations. Can be purchased for existing F-350 pickup trucks thru F-550 with snow plow prep packages.

Blade Assembly:		
Moldboard - 12 ga. (0.104") steel sheet formed to a 17.30" radius with a 1.76" diameter top curl.	☒	☐
Ribs - eight, 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel.	☒	☐
Torsion Tube - 2.00" diameter, full width, electrically welded to all eight ribs.	☒	☐
Cutting Edge - reversible 0.50" x 6" high carbon steel C1080 attached with ten 0.63" Grade 5 carriage bolts.	☒	☐
Disc Shoes - two, 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, 2.38" OD x 0.39" diameter, Cl 060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts.	☒	☐
Shock Absorbers - two, 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return.	☒	☐
Blade Trip Pivot - three 0.75" diameter steel pins.	☒	☐
Blade Guides - two highly visible, vinyl coated, spring wound, with replaceable flags.	☒	☐
Plow Angling - 30 degrees right and left.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5A. 9.0' Readily Detachable Snowplow System (Cont'd)		
A-Frame:		
Electrically welded, reinforced, 3.00" x 3.00" x 0.19" wall structural steel side tubes with 0.50" thick, formed nose plate and integral attachments for angling rams to receive 1.00" diameter pins.	☒	☐
Lift Chains - two, 0.25" Grade 43 high test steel with 2600 lb. working load limit, attached with 0.38" U-bolts.	☒	☐
Quadrant:		
Electrically welded, reinforced, 5.00" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1.00" D pins.	☒	☐
A-Frame to Quadrant Angle Pivot - 1.00" 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 ga. steel cover.	☒	☐
Two Plow Stands - Self-storing and adjustable integrated into the plow attachment mechanism. Connecting hook and lever with integral with a 0.50" lock pin.	☒	☐
Lift Frame - 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.	☒	☐
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.	☒	☐
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.	☒	☐
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 side mounted and covered solenoid cartridge valves.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5A. 9.0' Readily Detachable Snowplow System (Cont'd)		
Hydraulics (Cont'd)		
Secondary valve shall contain 2 driver side and 1 curb 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 1/2"x 8" lift ram and two 1-1/2" x 12" angling rams each with a rod seal, a wiper ring and a gland 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.	☒	☐
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 and also be able to angle left or right when in float.	☒	☐
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 MJL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation.	☒	☐
Cycle times: • Lift 2.5 seconds • Angle 5.0 seconds	☒	☐
Hydraulic unit shall stay with plow when plow is disconnected from truck.	☒	☐
Lights:		
Nighthawk LED Headlamps	☒	☐
Vehicle specific pre-wired harness with plug-in module requiring no headlamp wire splicing.	☒	☐
Plow and vehicle lights automatically selected through relay system.	☒	☐
Heavy-duty flashers.	☒	☐
Double stud mounting brackets.	☒	☐
FMVSS 108 compliance for lights.	☒	☐
Lights and mounting bracket to stay with plow when disconnected from truck.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5A. 9.0' Readily Detachable Snowplow 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.	☒	☐
Snow deflector	☒	☐
Curb guards both sides	☒	☐
Cab command Hand Held Control/or joystick- specified at order	☒	☐
5B. Cirrus Hydraulics System		
PTO and Pump:		
Hydraulic pump and PTO shall be a Chelsea 249 series.	☒	☐
The pump shall be a fixed displacement that is direct mounted to a hot-shift PTO for a live transmission with a gas engine.	☒	☐
The pump shall have a flow rate of 19 GPM at 1200 engine RPM.	☒	☐
The pump shall have a ¾"-11T splined drive shaft.	☒	☐
The suction hose to the pump shall be a minimum of 1-1/4" I.D. SAE 100-R4 hose.	☒	☐
The PTO shall be a Parker/Chelsea 249 series and have a ratio of 124%.	☒	☐
The PTO shall be engaged/disengaged from the cab by a dash mounted 12VDC on/off switch.	☒	☐
Power over speed protection required for torque shift six with gas motor.	☒	☐
Stainless Steel Symmetrical Valve Reservoir Combination System:		
The spool valve sections and spreader manifold will be mounted in a combination reservoir and enclosure.	☒	☐
The overall width of the will not exceed 28". The valve shall mount horizontally on a 15.5" removable mounted plate that slides out for easy access for repair and maintenance.	☒	☐
The enclosure shall be mounted with a minimum of 1" frame clearance on each side of the combo.	☒	☐
Mounting bracket is to be designed and supplied by reservoir supplier and designed in a manner as to not transmit torsional loads through the reservoir.	☒	☐
The enclosure cover shall also cover/ protect the valve work ports and hoses	☒	☐
The reservoir portion shall be 14-gallon capacity.		
The combo will be constructed from 10-gauge 304 Stainless steel with .25 inch steel bracing. The combo shall be powder-coated for corrosion protection with internal baffle	☒	☐
Two rubber latches will secure the enclosure lid. The lid must be removable without tools by one person.	☒	☐
The rubber latches are replaceable with a removable pin.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5B. Cirrus Hydraulics System (Cont'd)		
Stainless Steel Symmetrical Valve Reservoir Combination System: (Cont'd)		
The reservoir must be equipped with the following: ¾" magnetic drain plug, 1-1/4" full flow brass ball valve, 2" x 1-1/4" NPT suction strainer with 100 mesh screen and 3 PSI bypass valve, tank mount return line filter with a built in breather, and sight temperature gauge externally mounted facing front of truck no matter which side enclosure is mounted on.	☒	☐
Reservoir filling will be through the filter housing with a flow path that will filter all new oil entering in the system.	☒	☐
Minimum Specification for Modular Manifold Central Hydraulic System:		
The modular manifold must be constructed of 6061 anodized aluminum material.	☒	☐
The modular manifold shall be adjustable to a maximum pressure of 3500 psi with multiple flow and pressure performance, with function configuration.	☒	☐
The modular manifold will consist of multiple sections bolted together for multiple function configurations.	☒	☐
The entire hydraulic system shall be completely serviceable without removing from the enclosure or disassembling the sections.	☒	☐
A one-piece manifold will not meet the intent of the specification for easy maintenance and service.	☒	☐
The modular manifold must be capable of operating in either open center (fixed displacement) or closed center (variable displacement) hydraulic circuits		
All functions will be proportional controlled, pulse width modulated, pressure and flow compensated.	☒	☐
Plow and Winch functions must have load hold/ counter-balance.	☒	☐
Any valve without load-holding capability or have internal leakage down standard is **NOT ACCEPTABLE**	☒	☐
Heavy-duty 12VDC coils must be protect with a corrosion resistant coating.	☒	☐
Connections must be NEMA x6 standards for dust protection and all 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.	☒	☐
The modular manifold shall be designed for lower pump capacity hydraulic pumps.	☒	☐
Each sections will have flow capacities from 3 to 20 GPM with load holding on all cylinder section.	☒	☐
The hoist and winch sections shall be15 GPM, four way for a double acting cylinder and incorporate a 500psi relief for the hoist A-port	☒	☐
The spinner will be a 7 GPM motor spool cartridge and the auger/conveyor will be 8 GPM motor spool cartridge. 15 GPM motor spool for anti-ice.	☒	☐
The spinner or auger will not stop when other implements are actuated.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5B. Cirrus Hydraulics System (Cont'd)		
Minimum Specification For Modular Manifold Central Hydraulic System: (Cont'd)		
Auger and Spinner cartridge valve will be equipped with screw adjustable manual overrides protected by jacketed debris covers. Hoist, Winch, Plow, spool valves will have a push/pull ring for the manual override.	☒	☐
The hydraulic system shall be pressure and flow tested before the installation process.	☒	☐
Cartridge valves, spool valve, and solenoids must have a 5-year warranty.	☒	☐
Plow and Switch N Go joystick controllers:		
The in-cab control system shall be a one joystick Cirus Black Tip controller or prior approved equal. The single control levers must be true Hall effect (magnetic) joystick with two-axis (X & Y) proportional control with no internal metal contacts.	☒	☐
Amusement grade joysticks for pistol type controllers are not acceptable.	☒	☐
The 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 for the Ford F450-F750 vehicles and with a cup holder mounted bracket in the Dodge Ram 5500 series vehicles.	☒	☐
The dumping hoist and winch shall be controlled by a single joystick and must have a safety trigger protection to activate the hoist and winch function.	☒	☐
Joystick console must have side bracket to mount spreader controller.	☒	☐
The user shall have the ability to set the speed of each direction of motion on a PC for all hydraulic devices controlled by the joystick without modification to the hydraulic system.	☒	☐
The controller must include integrated protection and diagnosis systems with safety features incorporated into the system. Channel Safe™: to protect the system and help diagnose external shorted or open circuits. SafeStik™ that shuts down the output channels if a joystick fails.	☒	☐
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.	☒	☐
The system must supply pulsed+12 volt power to the other lead from each individual valve coil.	☒	☐
All connections at the hydraulic control junction box must be IP 68 rated. The outside the cab harness will be IP 68 rated up to the valve coil connection 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 35C salt spray.	☒	☐
Installing dealer must be authorized to preform warranty repairs and periodic maintenance.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5B. Cirrus Hydraulics System (Cont'd)		
In-Cab Granular and Liquid Control System:		
The in-cab control system shall be capable of operating output channels for granular spreader, and single channel liquid controller on one easily accessible single keypad. In-cab controller must be an automotive grade product. Amusement or gaming 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.	☒	☐
The single touch proportional hydraulic controls shall be time dependent to adjust the speed of the hydraulic functions.	☒	☐
Controller shall have the ability to connect the feed rate and spinner function for single stroke simultaneous start up.	☒	☐
Controller must offer a "Skip Blast" feature allowing for spot blasting during "Pause Mode"	☒	☐
Controller shall offer adjustable valve unseat percentage option: to start auger/conveyor with wet heavy salt.	☒	☐
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.	☒	☐
Rotary knobs to control granular feed rate or spinner speed is **NOT ACCEPTABLE**	☒	☐
The spreader controls shall operate a granular spreader with auger/conveyor, spinner and pre-wet (or anti-ice) output channels. Each function can be operated individually or all simultaneously.	☒	☐
All set-up and programing shall be completed using the controller soft key pad with no external programing keyboard.	☒	☐
Spreader must be field configurable to operate either: Ground Speed Oriented or No Ground Speed (simple manual operation) with a single switch setting. Controller shall also offer a settable Blast Features that will function during Ground Speed Triggered Operation.	☒	☐
System shall be capable of self-diagnosis using the indicator LED light for each channel to trouble-shoot open circuit faults.	☒	☐
All connections inside the hydraulic valve / electronic control junction box must be IP 68 rated.	☒	☐
All connections will be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders.	☒	☐
Cirrus EZ1 Controller Has a 2 Year Warranty	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader		
This option also requires the selection of the Cirrus upgrade. Spreader can also be purchased for existing vehicle with central hydraulics for 10' Dump body and up.		
Hydraulics:		
PTO must be a Chelsea 210H with direct mount pump and 14 gallon reservoir providing up to 9 gallons per minute at 1000 rpm, must be a modular manifold cartridge type valve with 5 year warranty. - Shall be operated by the chassis provided upfitter switches.	☒	☐
General:		
This specification describes a heavy-duty, self-contained hopper spreader designed to spread free-flowing material from 4 to 40 feet. Spreader consists of a steel body and spinner assembly, top screens, pintle-chain conveyor system, power drive and all components required to deliver maximum performance.	☒	☐
Body:		
Shall be of all welded 12-gauge stainless steel construction and 5.6 cubic yards struck capacity.	☒	☐
The hopper length shall be 10 feet long.	☒	☐
Overall height of the unit shall be 50 in.	☒	☐
The overall width to be no more than 82 in.	☒	☐
Body sides slope at 45° angle to promote free flow of material to the conveyor.	☒	☐
Front panel shall be tapered 20° to relieve pressure to the conveyor.	☒	☐
The sides and ends shall be constructed of 12-gauge stainless steel continuously welded to each other on the inside of the hopper, and the top of the body shall be double crimped, forming a 2 in. section for greater rigidity.	☒	☐
Body sills to be of formed 10-gauge stainless steel that ties the lower edge of the longitudinals to each side support. There shall be an adequate number of 12 gauge stainless steel side supports on 2 centers that extend the full side angle height rigidly tying in to the 7 gauge stainless steel formed channel cross sills with the body sides to give the highest degree of resistance to warping or twisting under heavy loads.	☒	☐
The body and conveyor shall be electrically welded into a rugged solid unit.	☒	☐
A heavy-duty lift hook shall be provided at each corner.	☒	☐
These lift hooks shall be inserted through holes in the double crimped section of the hopper walls, and welded in place for maximum strength.	☒	☐
A 6x4 in. formed box beam that is welded at each end will be elevated 3 in. above the top edge of the hopper, providing a longitudinal brace and hinge point for the top screens.	☒	☐
There shall be a formed 2x2 in. angle iron welded from the box beam to each side for additional support.	☒	☐
The rear endplate shall be reinforced inside and supported outside to give it maximum strength.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader (Cont'd)		
Conveyor:		
Shall be of the chain barflight type running longitudinally with the body.	☒	☐
The top edge of the longitudinals shall be formed down over the chain link strands, leaving only the drag chain bar exposed to the material being spread.	☒	☐
Conveyor width shall be not less than 24 in. and shall be a heat-treated, all steel, self-cleaning pintle-type chain.	☒	☐
Chain shall be 2-1/4 in. pitch with 7/16 in. locked non-turning pins and a tensile strength of 21,000 pounds.	☒	☐
Chain bar flights shall have a cross section of 3/8xl-1/2 in. x 18-3/4 in. welded on the top and bottom to every other link and be positioned on approximately 4-1/2 in. centers.	☒	☐
Conveyor gearbox shall have a 50:1 reduction and be of a bronze worm-gear type having a cast-iron housing with a ring-mount bolt pattern and supported on tapered roller bearings.	☒	☐
Chain shall be driven through the gearbox by a low-speed, high-torque (1,200 inch lbs. at motor, 60,000 inch lbs. where it meets the conveyor) orbital-type hydraulic motor.	☒	☐
Conveyor drive sprockets shall be 8 tooth, drop-forged steel keyed to a 1-1/2 in. diameter C1045 steel shaft mounted in sealed, self-aligning ball bearings with grease fittings.	☒	☐
The idler sprockets shall be 8-tooth, drop-forged steel welded to a 1-1/2 in. C1045 steel shaft which is mounted in sealed, self-aligning ball bearings with grease fittings.	☒	☐
The conveyor bottom shall be of flat design, be of a minimum 3/16 in. steel and roll-over edges, shall bolt in and be replaceable	☒	☐
Spinner Assembly		
Spinner assembly shall be fabricated from 12 gauge stainless steel, and shall be of the bottom mount motor design.	☒	☐
Material shall be guided from the conveyor to the spinner disc by means of an internal material baffle, which is easily adjustable without the use of any tools.	☒	☐
There shall be three adjustable stainless steel external spinner deflectors, and one fixed front shield to control the direction and width of the spread.	☒	☐
Baffles shall be adjustable without the use of any tools	☒	☐
Spinner Disc:		
The spinner shall be made of polyurethane and shall be 20" in diameter and be equipped with six fins designed to give a uniform trajectory from four to forty feet.	☒	☐
This spinner disc shall be bolted to a cast iron hub directly connected to the independent low-speed, high-torque, orbital-type spinner drive motor		
Spinner motor shall be 2.8 cubic inch, with nickel plated shaft for enhanced corrosion resistance and improved seal life.	☒	☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader (Cont'd)		
Spinner Extension:		
The spinner extension shall connect the spinner assembly to the longsills of the spreader, and shall be fabricated from 12 gauge stainless steel.	☒	☐
The extension shall provide adjustable mounting heights of the spinner assembly with a range of 15 inches, in increments of 3 inches.	☒	☐
Inverted Vee:		
The spreader shall have an inverted vee over the conveyor to improve material flow to the conveyor.	☒	☐
The inverted vee shall have four support brackets to hold it in place.	☒	☐
The inverted vee shall be a formed angle, 8 X 8 in. X 12 ga. stainless steel	☒	☐
Top Screens:		
Sectional screens with a maximum length per section of three feet shall be hinge to the 4 in. x 6 in. box beam which is made of stainless steel, and is bolted to both ends of the hopper.	☒	☐
Screens shall be constructed of 3/8 in. diameter steel rods welded to form a 2-1/2 in. square mesh which is framed by a combination of l/4" X 1 ½" . flat steel and 2 in. angle iron with edge supports reinforced by ¼" X l" in. flat bars.	☒	☐
Screens shall be removable and use a lock-type hinge.	☒	☐
Finish:		
All metal shall have the mill scale, weld splatter, and oil residue removed and the surface shall be electro-chemically cleaned.	☒	☐
All stainless steel shall be left unpainted. All mild steel components shall be painted black.	☒	☐
Light Bar Assembly:		
Light bar assembly with stainless steel enclosure. 78 in. wide, bolt on (4) LED. stop/turn/taillights and ICC ID marker lights, wire harness with pigtail and 7-prong trailer plug RV Style.	☒	☐
Grease Extensions:		
Front bearing grease extensions to the rear of unit with manifold	☒	☐
Chain Oiler:		
Shall be of a gravity flow design with a manual shutoff valve and have a reservoir capacity of 4 quarts.		
Tank shall be polyethylene construction	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5C. Large Stainless Steel VBox Spreader (Cont'd)		
Winch Assembly:		
Winch assembly for BV or BVA models, hand crank to swing up spinner assembly.	☒	☐
Short Hose Kit:		
Short hose kit includes Pioneer 4004PH quick-disconnect couplers (two sets) and four 1/2 in. hoses.	☒	☐
Subframe and Body Rollers		
6" round rollers, powder coated black subframe	☒	☐

5D. Dump Body for 11' Floor Length

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

Dump body:

- 11' floor length
- 24" high two-way dump gate
- 40" high bulkhead
- 10 gauge floor
- 12 gauge sides and 12" side board pockets
- Subframe and 6" ground rollers
- 18" Cab shield
- Heavy Duty D-Rings
- Painted Black

☒ ☐

6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line ☒ ☐

5E. Stainless Steel Dump Body for 11' Floor Length

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

Dump Body DB-I I-Stainless:

- 304 Stainless Steel w/ structural steel understructure
- Floors are 10 ga stainless steel w/ structural steel w/ 3" crossmembers on 16" centers
- Floor width 88"
- Tailgates constructed of 3/16" x 2" x 2" 304 Stainless steel tubing with 304 stainless steel 10 ga sheet, 27" H
- 40" 12 ga 304 stainless steel bulkhead
- 18" Cabshield
- 12", 12 ga 304 stainless sides with 12" board pockets
- Heavy Duty D-Rings installed
- Standard 6" Steel wheels

☒ ☐

6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line ☒ ☐

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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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5F. Platform 11' Overall Floor Length		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
11' long platform, 1/8" diamond plate floor, 8' flat deck with l' ramp tail		
1-3/4" red white reflective conspicuity tape down side of body line and around rear	☒	☐
5G. Medium Duty Dump Box		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
10 cubic yard drop box, 11' long and 39" high, dump-style tailgate. Floor, sides and tailgate all 12 gauge material. 2 side posts.	☒	☐
Crossmembers are on 24" centers. 3" X 3" tubing top rail	☒	☐
Swing Door to curbside	☒	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line	☒ ☒	☐ ☐
5H. Medium Duty Dump Box High Sides		
This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.		
13 cubic yard drop box, 11' long floor and 51" high, swing-style tailgate.	☒	☐
Floor, sides and tailgate all 12 gauge material. 2 side posts. Crossmembers are on 24" centers. 3" x 3" tubing top rail	☒	☐
Swing Door to Curbside	☒	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line	☒	☐
5I. Manual Tarp:		
For either dump or drop boxes	☒	☐
5J. Stake Sides and Removable Rear Stakes	☒	☐
5K. Horizontal Split Door for Use Chipper Top		
For use with drop boxes; Can be purchased at a later date	☒	☐
5L. 24" Deep Chipper Top		
Leaf top has additional venting for the air to escape - must specify at time of Purchase	☒	☐
5M. Coal Chute		
Dump Body	☒	☐
5N. Side Door in Drop Box		
Located curbside by bulkhead in drop box	☒	☐

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5O. Mason Type Tarp • Waterproof • 3 bar crossmember support • Drop Box application only	☒	☐
5P. Split Doors for Drop Box For Chipper or Leaf Application l' Ramp on platform *Not to be selected if selecting a spreader for platform application*	☒	☐
5Q. Fold Down Sides Steel Dump Body	☒	☐
5R. Fold Down Sides Aluminum Dump Body	☒	☐
5S. Light Package: Whelen Amber LED Lights: Body upfitter must provide installation of lights so they work in conjunction with the equipment on the truck. • 4 Micron Series Super LED in grill Amber • 2 Micron Ion Series Super LED on rear bracket offender Amber	☒	☐
5T. Go Lights Mounted on cab roof: One (1) Go Light GXL Xtreme Work Lights • 6000 maximum lumens • 5 amp draw • 9-32VDC input	☒	☐
5U. Stainless Steel UTG Spreader *This accessory must have central hydraulics and spreader controls, used on dump bodies and chassis configuration. This option can also be purchased separately and installed on another vehicle which meets these requirements.*		
General: This 6 in. auger under-tailgate spreader shall be of the bottom-opening design, with a safety shut off feature built into the hydraulic system.	☒	☐
This mounting shall allow the dumping of materials without interference from the spreader.	☒	☐
The spreader width shall not be over 96 in.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5U. Stainless Steel UTG Spreader (Cont'd)		
Mounting:		
The entire unit will mount to the sides and below the floor level of the dump box with single-pin, quick-detachable hardware.	☒	☐
Mounting and removing shall be done without the use of any special tools.	☒	☐
Safety Shut-Off:		
The spreader shall incorporate a hydraulic safety shut-off feature that disables the hydraulic functions of the spreader.	☒	☐
This shut-off shall prevent opening the bottom door or opening the top cover beyond a vertical position when the hydraulics are engaged.	☒	☐
Feed Mechanism:		
The six-inch, heavy-duty auger shall consist of 3/8 in. flighting with 4 in. pitch which is welded to a 2-3/8 in. O.D. Schedule 40 pipe.	☒	☐
This auger shall have continuous and reverse flighting for more uniform emptying and is supported bv 1-1/4 in. steel shaft ends.	☒	☐
The auger shaft will 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.	☒	☐
The 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 in. Grade 5 bolt.	☒	☐
The discharge port is located 24 in. from the left end.	☒	☐
Stainless Steel Hopper:		
Rigid one-piece end plates of 7 ga. stainless steel shall be continuously welded to an auger trough of 7 ga. stainless steel.	☒	☐
The unit will have a three-point hinged bottom pan that will expose the entire auger for easy clean out. This pan will be fabricated of 7 ga. stainless steel.	☒	☐
The hinged bottom pan shall be held in place with two heavy-duty cam locks with a lifting handle near each lock for easy one-man handling.	☒	☐
The anti-spill cover over each discharge opening will be of 7 ga. stainless steel and shall be removable without the use of tools.	☒	☐
The lid will be of 7 ga. stainless steel and will be an integral part of the unit that may be raised when spreading or lowered when dumping.	☒	☐
This lid shall be locked in position by two latches that are replaceable.	☒	☐
Inside width of the trough shall be a minimum of 10-7/8 in.	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5U. Stainless Steel UTG Spreader (Cont'd)		
Stainless Steel Hopper: (Cont'd)		
Poly Spinner Disc:		
The spinner shall consist of a single 18 in. diameter polymer disc with six formed polymer fins, to provide a flat trajectory and uniform spreading pattern from four to forty feet.	☒	☐
The spinner 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.	☒	☐
The spinner assembly shall be adjustable in height, providing four different ground clearance settings by means of four bolts.	☒	☐
The entire spinner assembly shall be easily removed by pulling two pins and uncoupling two hydraulic quick-disconnect hoses.	☒	☐
The spinner speed rate shall be variable through optional valve systems.	☒	☐
The polymer spinner disc will be mounted directly onto the hydraulic motor shaft by means of a steel spinner hub.	☒	☐
Spinner motor shall be 2.8 cubic inch, with nickel plated shaft for enhanced corrosion resistance and improved seal life.	☒	☐
The spinner assembly shall remain horizontal to the road at all dump box angles.	☒	☐
A spinner shield shall be provided to prevent material from striking the truck.	☒	☐
Finish:		
All carbon steel components shall be painted black. Stainless steel components shall be left their natural finish.	☒	☐
Spill Shields:		
Steel spill shields shall be mounted to tailgate to stop any salt from spilling out the sides of the rear of the body..	☒	☐
Dump Accessibility:		
No hydraulic hoses or trough handles are to be above the surface of the spreader. Clean dumping surface must be provided	☒	☐
5V. Flat Bed Service Body		
General:		
It is the intent of this bid to specify a 12' service body to be up fitted on a Switch N Go System for an 84" CA, this option is to be used with 11' Switch N Go System	☒	☐
Dimensions:		
Floor:		
• T&G Extruded Aluminum		
• 102" x 36"-48" Wide Center	☒	☐
Rear Service Body Tailgate	☒	☐

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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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5V. Flat Bed Service Body (Cont'd)		
Dimensions: (Cont'd)		
Latches:		
• Manual Master Locking System	☒	☐
Compartments:		
• 3 Per Side - 40 3/16" W x 34 7/16" T		
• Welded to Flatbed Floor	☒	☐
Flatbed Construction:		
• G-Tube Perimeter/2x3 .125 Cross Members		
• 12" OC/2x3 .188 Box Tube Long Sills (Gussets every 4" from front to back)		
• All Extruded 6005 Aluminum/Box Tube Construction	☒	☐
Bulkhead:		
• Extruded Aluminum Headboard	☒	☐
D-Rings:		
• 6 Recessed Stainless Steel D-Rings (3 Per Side)		
• Spring-Loaded, 4.4K LB Rating, Evenly Spaced	☒	☐
Cargo Securement:		
• 2 Rows of E-Track Center Body Length		
• 4 Ratchet Straps 2" x 12'	☒	☐
Body Shell:		
• Paint to match County Department Color		
• Each Cabinet to have 3 shelves with dividers	☒	☐
5W. Brine Water Tank		
This unit as specified will need to operate with a central hydraulic system. It can be used on all Switch N Go Applications		
General:		
The system shall have the capability to maintain a uniform application rate of deicing liquid materials behind the truck. The system will have the capability of being used in a manual control (open loop) and automatic control (closed loop). System will consist of a single lane stainless steel spray bar.	☒	☐
Liquid pumping system shall have a hydraulic driven liquid pump. Hydraulic driven systems shall be available up to 100 gpm output.	☒	☐
Fluid Handling Components:		
All fluid handling components shall be constructed of material suitable for handling liquid deicing chemicals without deterioration, corrosion or damage.	☒	☐
Plumbing shall not contain any components manufactured from galvanized or steel fittings.	☒	☐
Liquid tank size shall be 735 gallon.	☒	☐
Overall dimensions of tank shall not exceed 104" length x 48" W x 49" H (including lid).	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5W. Brine Water Tank (Cont'd)		
Fluid Handling Components (Cont'd)		
Tank will include an option of being mounted on a sub frame with stand that will allow for raising the dump body to install and remove the tank assembly without the use of front end loader or forklift.	☒	☐
Tank will be mounted to either steel subframe or other tank support utilizing ratchet straps.	☒	☐
The tank will have gallon markings visible on the rear of tank		
Liquid Pump:		
Hydraulic driven centrifugal pump:		
• A liquid centrifugal pump driven by a hydraulic motor with a maximum output of 235 gpm to allow application rates of up to 60 gallons per lane mile at 60 mph on the highway.		
• Additional liquid centrifugal pumps will be available to allow maximum output of 25 or 100 gpm to allow application rates at low speeds and application rates for parking lot or side streets	☒	☐
System shall have inline removable inlet strainer with 304 stainless filter screen. Screen mesh shall be sized to handle all types of deicing chemicals and protect the pumps and other downstream components from becoming plugged, restricted or pre-mature wear.	☒	☐
Plumbing:		
A manual ball valve is required at the outlet suction of the tank to isolate the liquid from draining from the tank if service is required to the liquid pump, shut offs, check valves or any part of the spraying system.	☒	☐
Tank shall have a second manual 3-way ball valve to allow for filling of the tank by an independent external pump through a 2-inch fitting, or self-loading of the tank by the trucks 2" suction hose and pump	☒	☐
The 3-lane main boom section shutoff off assembly shall be a KZCO common manifold that does not require flange style fittings between each lane section left, center and right. Each boom shut off section is a ball style off/on electrical valve that requires a 12 volt on, 0 volts off control signal and operate from closed to wide open in 1.5 seconds or less	☒	☐
Quick coupe connections to have integral cam locks and tethered dust caps/plugs	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5W. Brine Water Tank (Cont'd)		
Spray Bar:		
The spray bar shall be designed to provide an application of liquid de-icing material right behind the truck in a single boom application	☒	☐
Spray bar shall not exceed 8 feet in length. Spray bar shall be assembled with vertical sidebars (left and right boom sections and horizontal center spray bar) and manufactured from 304 stainless steel	☒	☐
Spray bar shall be constructed of stainless steel with stainless steel nozzles. Center spray bar shall have a minimum of twelve (12) nozzles	☒	☐
Tank Mounting:		
The 735 gallon tank will be mounted to a powder coasted steel sub frame with 2 ratchet straps. The dimension of the sub frame shall be 58" in width and 120" in length	☒	☐
The sub frame with stand consisting of legs that fold or pivot to allow for easy storage of tank on the ground and ease of installation into the dump body. The front legs will fold us as the tank is inserted into the dump body allowing for installation and removal of the tank assembly without the use of a front end loader or forklift.	☒	☐
5X. 48" Under Body Tool Box		
For use with Ford F-550 with 84" CA and No I-Pack Tool Box-Platform and Dumping Platform. Can be purchased for existing vehicles that meet these requirements.	☒	☐
Weatherguard Tread plate Aluminum 650-0-02:		
• 48" X 18" X 18"		
• 16.0 cu ft		
• Door Opening 19-1/2" High and 43-1/4" Wide		
• Stainless Steel D-Handles	☒	☐
5Y. 30" Under Body Tool Box		
For use with Ford F-550 with 60" CA on Dump Body and Platform. Can be purchased for existing vehicles that meet these requirements.		
Weatherguard Tread plate Aluminum 631-0-02:		
• 30-1/8" X 18" X 18"		
• 5.4 cu ft		
• Door Opening 13-1/2" High and 25-1/4" Wide		
• Stainless Steel D-Handles	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5Z. Arbor Body: AB-11		
Structural Steel Construction with ZRP Zinc Primer Rubberized underneath protectant coating	☒	☐
Painted to match cab	☒	☐
Body width interior 76" with interior ladder box and 96" exterior	☒	☐
Floors are constructed of 10 ga. Galvanneal steel with formed 3"x 3/16" Channel with corner gussets	☒	☐
Roof & Tailgate are constructed of 14 ga. Galvanneal steel	☒	☐
Sides are constructed of 12 ga. Galvanneal steel with side stiffeners On 36" center	☒	☐
Tailgates are constructed of a 14 ga. Steel sheet with 1-1/2" x 1/8" Tubular frame work with a height of 30"	☒	☐
Storage compartments: 1 rear ladder storage 17" wide with sloped top and roller shelf and thru-storage compartment 26" wide by 29"	☒	☐
Body equipped with Stop, Turn, Tail Lights, Clearance & Strobe Lights Installed	☒	☐
Standard 6" ground rollers	☒	☐
5AA. Work Ready Subframe: WRSF-11		
Structural Steel Construction with zinc prime and powder coat finish	☒	☐
Body width is 80" outside with a 26" W x 9" D rear cutout	☒	☐
Floors are constructed with a center 1/8" diamond sheet and 19" Wide	☒	☐
¾" expanded metal sides crossmembers are constructed of 3" structural channel on 12" centers	☒	☐
equipped with two front retractable legs and two detachable 6" ground rollers	☒	☐
5BB. Maxscaper 12' Aluminum Landscaper Body Attachment		
GENERAL		
Outside Dimensions: 12' Long X 96" Wide	☒	☐
Inside Dimensions: 48" Height X 88" Wide	☒	☐
Cross Members: On 12" Center – 2" x 3" x 1/8"	☒	☐
Construction:		
All Aluminum 6000 Series Box Tube Construction	☒	☐
Premium B-Tube Perimeter Frame 6000 Series	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5BB. Maxscaper 12' Aluminum Landscaper Body Attachment (Cont'd)		
Construction (Cont'd)		
Aluminum Sheet Sides .125" 5000 Series	☒	☐
Flat Bar Tie Rail 2" x ¼"	☒	☐
3/16" Smooth Aluminum Floor	☒	☐
2" x 3" Crossmembers on 12" Centers body to be ordered without longsills to fit on Switch N Go rails, also a doghouse is to be cut out so the body bulkhead so it slides all the way forward for installation	☒	☐
Heavy Duty Rear Corner Posts 3" x 3" 6000 Series Aluminum	☒	☐
Barn Doors with Polished Stainless Steel Locking Bar	☒	☐
Solid Aluminum Headboard .125" (screened window cover is not acceptable)	☒	☐
52" wide side door at front corner of curbside of body with Stainless Steel Locking Bar	☒	☐
6" Wide Conspicuity Reflective Tape inverted "V" Red/Yellow complete rear of body and 1-3/ 4" red white down side of body line	☒	☐
Switch N Go Subframe with 6" Rollers • All dissimilar metals to have Teflon liner between the two (2) metals before installation	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5BB. Maxscaper 12' Aluminum Landscaper Body Attachment (Cont'd)		
Aluminum Leaf/Chipper Top:		
All Aluminum Construction	☒	☐
Bolts to top rail of Landscape Body	☒	☐
Extruded Aluminum Frame	☒	☐
Smooth Side 1/8" Mill Finish sides	☒	☐
Heavy Duty 3/16" front wall sheet	☒	☐
Punched Ventilation in roof sides - 3 6" x 12" punched vents screened in bulkhead - 1 6" x 12" punched vent screen in front section of each side - 3 6" x 12" punched vents screened in center of each side of body - 1 6" x 12" punched vent screen in rear panel on each side of body	☒	☐
Punched Ventilation in roof top - 4 12" x 12" screened vents spaced evenly in the roof	☒	☐
Lifting hooks total of 4		
Rear of chipper top shall have a single aluminum fold down door and be pin able to work in conjunction with rear doors so it doesn't flop around, upfitter shall cut a hole in door to work with leaf machine approximately 12" in diameter, bottom of the hole to be 105" off ground	☒	☐
Teflon gasket to be installed on bottom of the leaf/chipper top	☒	☐
Switch N Go Rails and undercarriage to be coated with Ziebart undercoating.	☒	☐
5CC. Chipper Leaf Top for Landscaper		
Bolt on Chipper top for Aluminum Landscaper Additional venting for leaf cap, must specify at order	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5DD. 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	☒	☐

5EE. 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. ☒ ☐

5FF. 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.

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5FF. Installation of County Supplied Two Way Radio and Accessories (Cont'd)		
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.	☒	☐
5GG. 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	☒	☐
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	☒	☐

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 (CONT'D)

	COMPLIANCE YES	NO
OPTIONS: (Cont'd)		
5GG. Technical Support (Cont'd)		
Technical Support for Vehicle Services may be provided at the following fleet maintenance facility locations as scheduled by a Vehicle Services Department representative:		
• Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions will be provided at this location: One beginning at 7 am and another beginning at 1:30 pm)		
• Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050	☒	☐
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	☒	☐