

**MINIMUM SPECIFICATIONS FOR
ONE (1) NEW OR CURRENT MODEL CHASSIS
WITH DUMP BOX, PLOW AND WING
FOR THE MARSHALL STREET DEPARTMENT -- CITY OF MARSHALL, MINNESOTA**

	MINIMUM SPECIFICATION		Meets Min Spec? If yes" mark with "X"	Comments for items Exceeding Minimum Specifications
	TRUCK AND DUMP BOX			
1	Truck Chassis	4x2		
2	Gross Vehicle Weight	41,000		
3	Cab to Axle	90"		
4	Wheelbase	165"		
5	Engine -- Diesel	300 HP, 860 Ft LBS Torque		
6	Engine Equipment	Cold Start Package		
		Spin on oil filter		
		Spin on fuel filters		
		Electric Shut Down		
		Magnetic Drain Plugs		
7	Air Cleaner Restriction Gauge	Air Cleaner Mounted		
8	Air Cleaner Element	Dry type		
9	Air Cleaner Snow Door System	Inside, Outside Air Capabilities		
10	Throttle	Hand controlled, Steering Wheel Mounted		
11	Block Heater	120 Volt / 1250 Watt		
12	Block Heater socket	Receptacle type mounted below driver door		
13	Radiator System	Cross flow low temp with transmission cooler		
		Heavy duty with recovery system		
		Premium Hoses		
		Fan Cooled		
14	Low Coolant Indicator	Audible Alarm		
15	Coolant	Anti-Freeze permanent to -40		
16	Front Axle	18,000 lbs.		
17	Front Springs (Taper Leaf Rubber Bushings with shock absorbers)	18,000 lbs.		
18	Rear Axle	23,000 lbs.		
19	Rear Springs	31,000 w/4500 Aux rubber spring		
20	Rear Axle	Magnetic drain plug		
21	Rear Axle Ratio	6.14		
22	Locking Differential	Driver controlled		
23	Frame	Heavy duty Full length frame with front integral extension not less than 20"		
24	PTO Effects	Engine Front		
25	Transmission	6 Speed Allison 3000 RDS Automatic		
26	Shifter	T-Bar style		
27	Brakes	Full Air Brakes-S Cam Type with air parking brake dash mounted		
28	Air Dryer	Heater		
29	Steering	Dual Power		
30	Steering Wheel/ Column	2-Spoke 18" Tilting		
31	Wheels (front) Steel Painted White	22.5" x 12.25		

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32	Wheels (Dual Rear) Steel Painted White	22.5" x 8.25		
33	Tires (Front)	385/65R22.5		
34	Tires (Rear)	11R22.5 Mud/Snow Grip		
35	Drive Shafts and Joints	Matched with maximum drive train capabilities		
36	Exhaust system (single)	Vertical mounted right hand side of cab Turn Back Type With Guard, Max Height 10'		
37	Fuel Tank	Left hand mount, 70 gallons step tank		
38	Fuel / Water Separator	Thermostatic fuel temp with Electric Heater		
39	Air Compressor	13.0 CFM Minimum		
40	Bumper	(Front) Steel Painted Gray		
41	Tow Hooks	Front		
42	Cab Conventional (Rear Suspension)	Full Tilting Hood		
43	Cab Color	Standard Red		
44	Fender extension (Rubber)	Front		
45	Cab Features	Tinted safety glass		
46	Heated windshield	Driver controlled		
47	Cab Sound Proofing	Heavy duty noise control		
48	Driver's Seat	Cloth high back full air ride with arm rest		
49	Passengers seat	Standard cloth		
50	Seat Belts	Must meet S.A.E. Standards		
51	Dome Light			
52	Cup Holders			
53	12 Volt Electrical Plug in			
54	Arm rest	Both Doors		
55	External grab handles	Drivers/Passenger Side		
56	External Mirrors Large 7.5" x 15"	Heated Both doors		
57	External Mirrors Convex 7"	Both Doors		
58	Sun Visors	Padded both sides		
59	Am/FM Radio with hands free Bluetooth	Factory Install		
60	Flooring	Rubber		
61	Headliner	Padded Cloth		
62	Power Windows / Locks	Drivers and Passengers		
63	Wipers	Heavy Duty 2-speed electric with intermittent wipe and washers		
64	Cab Heat/AC	Operator controlled Floor and defrost		
65	Electrical System	12 Volt		
66	Alternator	12 Volt 160 Amp		
67	Battery	2-12 Volt 1300 CCA Minimum		
68	Battery Box	Steel		
69	Fuses	SAE Blade type		
70	Hazard Lights	Front / Rear		
71	Headlights	High / Low Beams		
72	Horn	Dual Electric		
73	Jump Start Stud	Remote Mounted		
74	Clearance / Marker Lights LED	Must meet S.A.E Class A standards		

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75	Running Lights LED	Must meet S.A.E Class A standards		
76	Stop, Turn, tail and back up lights. LED	Must meet S.A.E Class A standards		
77	Starter Switch	Key Operated		
78	Starter Motor	Heavy duty		
79	Hitch Plate 5/8 thick	With 2 1/2" square receiver		
80	Trailer Brake package (Electric)	7-Pin with trailer controller		
81	Two-way radio wiring	Center of header console in cab		
82	Accessory 12 Volt Electrical Plug in	On Dash		
83	Back-up alarm	102 dBA		
84	Strobe wiring with dash mounted switch			
85	Switches (Electrical)	6 - Dash Mounted for aux equipment		
86	Aux Electrical Harness	For plow lights		
87	Gauge Cluster (English)	Full Instrumentation		
		Speedometer/Odometer		
		Hour Meter		
		Tachometer		
		Oil Pressure		
		Water Temperature		
		Transmission oil temp		
		Air pressure with low air warning		
		Fuel Level Gauge		
		Volt Gauge		
	Steel Dump Box (Elliptical Style)			
1	Size	11' X 96"		
2	Hoist	Roller Combo # RC860 or Equivalent		
3	Box Floor	1/4"-AR 450		
4	Box Sides	3/16"-AR 450		
5	Box Front	3/16"-AR 450		
6	Box Rear (Tailgate)	3/16"-AR 450		
7	Front (Straight)	Best height to clear cab		
8	Sides (Straight)	34" sides, 40" tailgate with board pockets and 6" box extensions		
9	Box overhang	10" from center of hinge		
10	Rear tailgate double acting with spreader chains	Sloped-15 Degrees Full Ribbed		
11	Tailgate	Air Latch		
12	Stainless steel receiver tubes welded on the underside of box.	For walk rails or future liquid tanks.		
13	Stainless walk rails	Both sides of box.		
14	2 Strobe lights Whelen LED 400 Series	Top front corners of box		
15	Strobe lights (Rear)	Recessed into box corner post		
16	Lights LED rubber mounted	Recessed into box corner post		
17	Cab Shield	1/4 cab		
18	Fenders	Poly		
19	Mud flaps (Rear)	Rubber		
20	Box Ladder 2 (Fold down)	Front corners of box		
21	Paint Color	Dark Green		

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22	Undercoating	Box Bottom		
23	Box vibrator			
Hydraulics				
1	Pump	Load Sensing		
2	Mount	Front PTO off engine between frame rails		
3	Electric Hydraulic Controls, 6 Valves	Electric joystick controlled seat mounted		
4	Dump box	Power up and down		
5	Front Snowplow	Power up float down with reversing		
6	Wing	Toe, heel and extend		
7	Oil tank with sight glass	Stainless steel		
8	Filter	Spin on with indicator gauge		
9	Valve enclosure	Stainless steel		
Front Snowplow				
1	Size / Type	12' reversible full trip Deep C Shaped		
2	Hitch	Pin and Loop Hookup		
3	Snowplow (Mailbox Trim)	Rubber Deflector and Markers		
4	Snowplow Lights (LED)	Chassis Mounted front of truck		
5	Cutting Edge	Carbide, Standard punched.		
Wing				
1	Size / Type	8' Patrol wing double function with power slide push arm and torsion trip edge		
2	Mounting	Full view out passenger window		
3	Wing Post	Para Glide		
4	Cutting Edge	Carbide, Standard Punched		
5	Timbren air bag	Front right side of truck for added wing weight		

Also included is all equipment normally advertised as standard equipment on the make and model bid on proposal. All other items advertised as standard equipment shall be included in the bid and furnished by the successful bidder.

Pre-Delivery: Prior to delivery, the new vehicle shall be completely serviced by the vendor in accordance with the standard new care and "Make Ready" and manufacturer's recommendations. FOB City of Marshall Street Department