

BID SPECS FOR SALT SPREADER PREPARED AUGUST 10, 2015 BID OPENING

SNOW PLOW HITCH

- FRONT FRAME SNOW PLOW HITCH
- QUICK HITCH WITH PIN AND LOOP
- FULL 5/8" STEEL PUSH PLATES
- OEM BUMPERS
- 4" X 10' LIFTING CYLINDER
- FIVE-POSITION TELESCOPIC LIFT ARM
- FOLDS FLAT WHEN NOT IN USE
- SANDBLASTED AND PRIMED
- PAINTED AND INSTALLED

SNOW PLOW

- 10' X 42" REVERSIBLE SNOW PLOW
- FULL TRIP 10 GAUGE STEEL MOLDBOARD WITH INTEGRAL SHIELD
- FULL TRIP HEAVY DUTY FIVE POSITION ADJUSTABLE COMPRESSION SPRINGS
- 4" X 4" X 3/4" HD BASE ANGLE
- 5/8" X 8" STANDARD CUTTING EDGE
- HEAVY DUTY FULL WIDTH SEVEN POINT STRUCTURAL TUBULAR PUSH BEAM
- 4" X 10" ANGLE CYLINDERS TO MATCH HITCH LIFT CYLINDER
- BUILT IN LEVEL LIFT SYSTEM
- PIN & LOOP HITCH CONNECTION SYSTEM
- 12" RUBBER SNOW DEFLECTOR
- 36" ORANGE PLOW SIDE MARKERS
- 1/2" STAINLESS STEEL QUICK COUPLER
- PARKING JACK
- INSTALLED

COMBINATION DUMP BODY

- 10' STAINLESS STEEL DUMP BODY
- CROSSMEMBERLESS-UNIBODY DESIGN
- 22 DEGREE SLOPED SIDES
- AUGER OR CHAIN CONVEYOR WITH FRONT & REAR CENTER DISCHARGE
- STAINLESS STEEL CONSTRUCTION
- SLOPED LOWER DIRT SHEDDING RUB RAIL
- 10' LONG 7' WIDE 36" SIDES
- 48" MANUAL TAILGATE WITH GREASEABLE HINGES
- HORIZONTAL BRACES ON TAILGATE
- ¼" AR400 STEEL FLOOR 200,000 PSI IMPACT RESISTANCE
- SLOPED BOX TOP RAIL 4" X 5" SEAMLESS AND BOXED
- HORIZONTAL 7 GAUGE STAINLESS STEEL SIDE BRACE
- FULL DEPTH REAR CORNER POST 7 GAUGE STAINLESS STEEL
- 22" X 86" STAINLESS STEEL CAB SHIELD
- REAR MOUNTED MOTOR AND GEARCASE FOR CONVEYOR
- 3/16" AR 400 STEEL CONVEYOR COVER
- DOUBLE CONVEYOR CROSS BARS
- 20" POLY FRONT SPINNER ASSEMBLY
- DIRECT CAST REAR SPINNER ASSEMBLY
- STAINLESS STEEL FOLD UP LADDER
- HEAVY DUTY TOP GRATE STAINLESS STEEL SCREENS
- ALL LED FMVSS #108 MARKER LIGHTS
- INSTALLED

HOIST

- FRONT TELESCOPIC MAILHOT HOIST
- 29 TON CAPACITY
- FULL DOUBLE ACTING (POWER UP AND ALL THE WAY DOWN)
- 4" INSIDE DIAMETER CYLINDER BASE TUBE
- ALL CYLINDER STAGES FULLY NITRIDED FOR CORROSION AND WEAR RESISTANCE
- HOIST IS PHOSPHATE RINSED, EPOXY PRIMED, AND FINISH PAINTED BLACK
- HOIST MOUNTED IN FRONT OF BODY-FLAT HEADSHEET
- 9" MOUNTING HEIGHT
- 6" X 8" X ½" STRUCTURAL ANGLE WITH 2" STAINLESS STEEL PINS
- GREASEABLE REAR PINS
- INSTALLED

ELECTRICAL SYSTEM

- LED SYSTEM
- LED AMBER/GREEN/WHITE STROBES MOUNTED IN SELF-LEVELING STAINLESS STEEL
- BOXES MOUNTED TO THE SIDE OF THE CAB SHIELD
- LED AMBER/GREEN/WHITE LIGHTS CUT INTO REAR POST
- LED BACK UP LIGHTS CUT INTO REAR POST
- LED STOP/TAIL/TURN CUT INTO REAR POST
- LED SPINNER HEAVY DUTY WHELEN LIGHT
- MODEL SK-10 BODY UP LIGHT
- BACK UP ALARM
- ALL ONE PIECE WIRING FROM POWER SOURCE TO ELECTRICAL ITEM
- ALL WIRING WILL BE PROPERLY RUN TO AVOID SHARP EDGES AND PINCH POINTS
- ALL WIRING WILL BE PROPERLY FUSED WITH NO BUTT JOINTS OR SPLICES
- FACTORY REAR CHASSIS LIGHTS TO BE REINSTALLED
- PDP POWER DISTRIBUTION PANEL
- ALL LED FMVSS #108 MARKER LIGHTS
- SNOW PLOW LIGHTS WITH STAINLESS STEEL MOUNTING BRACKETS
- ALL ONE PIECE WIRING WITH COPY OF WIRING SCHEMATIC
- INSTALLED 100% TO OUR SPECIFICATIONS

CENTRAL HYDRAULIC SYSTEM

- CERTIFIED POWER-STORMGUARD/LOAD SENSING SYSTEM
- DANFOSS FRONT MOUNTED PUMP
- CONTROL VALVE TO RUN BODY CONVEYOR, HOIST, SNOW PLOW, FRONT AND REAR
- SPINNER AND WILL ALSO HAVE A VALVE IN PLACE FOR FUTURE PRE-WET APPLICATION
- ELECTRIC OVER HYDRAULIC CONTROLS
- CERTIFIED POWER XDS ELECTRIC CONTROLS WITH ARM REST
- STEEL FLOOR PLATE
- BEHIND CAB 40-GALLON STAINLESS STEEL OIL RESERVOIR AND VALVE ENCLOSURE
- ALL WEATHERHEAD "RHINO-GUARD" HOSES AND FITTINGS
- ALL STAINLESS STEEL QUICK COUPLERS
- ALL PRESSURE HOSES SAE 100R2
- ALL FITTING JIC STYLE
- MID-STATE STAINLESS STEEL HYDRAULIC REAR TUBES MOUNTED WITH POLY BUSHINGS
- MID-STATE STAINLESS STEEL FRONT TUBES MOUNTED WITH POLY BUSHINGS HYDRAULIC SYSTEM TO BE FULLY INSTALLED, TESTED AND CALIBRATED

MISCELLANEOUS

- 3/4" PINTLE PLATE WITH 7-PIN PLUG, D-RINGS, AND 8 ADJUSTABLE HITCH MOUNTING HOLES
- WOOD SIDE BOARDS PAINTED COLOR (MUST BE OAK HARDWOOD)
- STAINLESS STEEL SHOVEL HOLDER
- QUICK RELEASE FULL REAR MUD FLAPS
- RED & WHITE REFLECTIVE TAPE BOTH SIDES AND TAILGATE
- CHASSIS AND UNDERSIDE OF BODY WILL BE UNDERCOATED
- LEED TIME ON COMPLETION OF TRUCK/SPREADER
- EQUIPMENT MUST BE DELIVERED WITHIN 120 DAYS OF AWARD OF CONTRACT*** (see Liquidated Damage Clause below)

With Bid submission, Vendor agrees to the following Liquidated Damages Clause as provided by the City of Willoughby Hills to ensure timely equipment delivery:

LIQUIDATED DAMAGES CLAUSE:

It is by and between the parties hereto that time is of the essence and that in the case of the Vendor's failure to deliver the said equipment within 120 days of contract award date, the City of Willoughby Hills will be damaged and may assess liquidated damages thereby; and because it is difficult to

definitely ascertain and prove the amount of such damages, it is hereby agreed that the amount of such damages shall be the liquidated sum of two hundred dollars (\$200.00) per calendar day for each day's delay in delivering said equipment in excess of the number of days prescribed (120 days following award of contract); and the Vendor hereby agrees that said sum shall be deducted from amounts due the Vendor under the contract, or, if not amount is due the Vendor, the Vendor agrees to pay to the City of Willoughby Hills as liquidated damages such total sum as shall be due for such delay, computed as aforesaid.