



CITY of NOVI CITY COUNCIL

**Agenda Item 4
February 26, 2018**

SUBJECT: Approval to purchase a 2019 7600 model tandem axle chassis from International through the current State of Michigan MiDeal contract; and the up-fit of the SwapLoader hook lift, v-box, dump body, and liquid tank with Truck and Trailer Specialties through the City of Rochester Hills RFP contract in the amount of \$307,770.00.

SUBMITTING DEPARTMENT: Department of Public Services, Fleet Asset Division
 Department of Public Services, Field Operations Division
 Department of Public Services, Water and Sewer Division

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 247,770.00 (101-442.20-984.011)
	\$ 60,000.00 (592-592.00-984.011)
	\$ 307,770.00 Total
AMOUNT BUDGETED	\$ 250,000.00 (101-442.20-984.011)
	\$ 60,000.00 (592-592.00-984.011)
	\$ 310,000.00 Total
LINE ITEM NUMBER	101-442.20-984.011 General Fund (FLD038 Dump Truck) 592-592.00-984.011 Water and Sewer Fund (FLD038 Dump Truck)

BACKGROUND INFORMATION:

Funding has been appropriated this fiscal year for the purchase of one tandem axle SwapLoader truck with front plow, underbody scraper, wing blade, and SwapLoader hook lift; with interchangeable attachments such as a v-box, dump body, and liquid tank. In an effort to standardize the City's plow fleet, this truck is equipped with computer ground speed controls that mirror the seven previously procured trucks. This technology allows for conservative salt use, operator convenience, and simplified data tracking. This new equipment replaces a 17-year-old truck (#620) that has no advanced technology to assist with winter maintenance operations. The specifications for this equipment enhances service to the community by allowing operators to pre-wet salt, which reduces activation time and the amount of salt that scatters off the road by 40%. In addition, this truck is equipped with an anti-icing spray boom for pre-storm application of liquids, a seven-foot wing plow (estimated to clear wide residential streets up to 50% quicker), and a computer system that automatically adjusts salt and liquid application rates based on ground speed and pavement and air temperatures.

The SwapLoader truck will be shared between the Field Operations Division and the Water and Sewer Division. This truck package allows for uniform specifications to the heavy-duty fleet making the vehicles familiar and thereby reducing operator training.

RECOMMENDED ACTION: Approval to purchase a 2019 7600 model tandem axle chassis from International through the current State of Michigan MiDeal contract; and the up-fit of the SwapLoader hook lift, v-box, dump body, and liquid tank with Truck and Trailer Specialties through the City of Rochester Hills RFP contract in the amount of \$307,770.00.



CITY OF NOVI
Support Doc
(Vehicle & Other Equipment)

Current Equipment



#)

Requested Equipment



Prepared For:

City of Novi
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 Reference ID: Novi SW w/HmX

Presented By:

TRI COUNTY INTL TRUCKS
 Mark J Caracciolo
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Tri-County International Trucks/ State of Michigan DTMB Contract 071B6600122-Specification #3958 0160D-Option B for a new 2019 MY International Truck Chassis per this Proposal. Pricing includes all user-specified option equipment costs and available discounts in effect as of the listed date. Please note that the afforded pricing includes a 1% fee paid to the State of Michigan as required under this contract. Additional surcharge requirements as issued by manufacturer may be applicable in the future.

Payment for the chassis is due upon delivery of the chassis to the end-user or Body Company; whichever occurs first. If payment is not made in a timely manner additional floorplan (interest) costs may be charged to the end-user customer. Please make all purchase orders and checks payable to Tri-County International Trucks, Inc.



Model Profile
2019 7600 SBA 6X4 2010 (SF667)

APPLICATION:	Construction Dump
MISSION:	Requested GVWR: 58000. Calc. GVWR: 64740 Calc. Start / Grade Ability: 36.99% / 2.99% @ 55 MPH Calc. Geared Speed: 69.4 MPH
DIMENSION:	Wheelbase: 205.00, CA: 137.90, Axle to Frame: 75.00
ENGINE, DIESEL:	{Navistar N13} EPA 2010, SCR, 430HP @ 1700 RPM, 1550 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 430 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 4500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-164EH} Single Reduction, Standard Width, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 5.63 Conventional
CAB:	
TIRE, FRONT:	(2) 385/65R22.5 Load Range J G296 MSA (GOODYEAR), 488 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(8) 12R22.5 Load Range H G282 MSD (GOODYEAR), 481 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, TANDEM:	{Hendrickson HMX-460-54} Walking Beam Type, 54" Axle Spacing; 46,000-lb Capacity, with Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers
PAINT:	Cab schematic 100GS Location 1: 2303, Red (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
SF66700	Base Chassis, Model 7600 SBA 6X4 2010 with 205.00 Wheelbase, 137.90 CA, and 75.00 Axle to Frame.	8748/6547	15295
1570	TOW HOOK, FRONT (2) Frame Mounted	8/0	8
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL	248/432	680
1LLK	BUMPER, FRONT Omit Item	-90/14	-76
1VZZ	REINFORCEMENT, FRAME FRONT Use when Mounting Equipment at Front of Frame	0/0	0
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille	136/-31	105
1WDU	CROSSMEMBER, FRONT for Hydraulic Pump, Mounting Flange to Accommodate Pump	42/3	45
1WHP	WHEELBASE RANGE 183" (465cm) Through and Including 248" (630cm)	0/0	0
2ARY	AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity	141/0	141
	<u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.		
3AGA	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 20,000-lb Capacity; with Shock Absorbers	73/0	73
	<u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free		
	<u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.		
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	0/0	0
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic (with Air Cam Brakes) : SLACK ADJUSTERS, REAR Automatic (with Air Cam Brakes) : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6		
	<u>Notes</u> : Rear Axle is Limited to 46,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle /Suspension Ordered.		
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 Sqn Long Stroke Brake Chambers	0/0	0
	<u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
4619	TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck	2/0	2
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank	0/0	0
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)	0/0	0
4EBD	AIR DRYER {Wabco System Saver 1200} with Heater	12/6	18
	<u>Includes</u> : AIR DRYER LOCATION Inside Left Rail, Back of Cab		
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake	0/0	0
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqli	0/0	0
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake	0/0	0
	<u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.		
4SPM	AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder	0/0	0
4VHT	AIR DRYER LOCATION Mounted to Outside Left Rail on Fuel Water Separator Bracket	46/24	70
4VHZ	AIR TANK LOCATION (2) Mounted Under Cab, Outside Left Rail, on Step Bracket, with Ground Clearance	0/0	0
4WBX	DUST SHIELDS, FRONT BRAKE for Air Brakes	4/0	4
4WCC	BRAKE PACKAGE, FRONT {Dana Spicer ES-165-6} Air, Cam Type, Extended Service; Size 16.5" x 6", Includes Automatic Slack Adjusters	0/0	0
4WCD	BRAKE PACKAGE, REAR {Dana Spicer ES-165-7} Air, Cam Type, Extended Service; Size 16.5" x 7", Includes Automatic Slack Adjusters	0/0	0
5710	STEERING COLUMN Tilting and Telescoping	10/0	10
5CAL	STEERING WHEEL 2-Spoke, 18" Dia., Black	0/0	0
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power	123/-4	119
7BKE	EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab, for Improved Ground Clearance	407/192	599
7WAZ	TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust	0/0	0
7WBS	MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel	0/0	0
7WZX	SWITCH, FOR EXHAUST 3 Position, Momentary, Lighted Momentary, ON/CANCEL, Center Stable, INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF	2/0	2
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
	<u>Includes</u> : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover		
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever		
	: HEADLIGHTS (2) Halogen, Round, with Chrome Plated Bezels		
	: JUMP START STUD Located on Positive Terminal of Outermost Battery		
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light		
	: STARTER SWITCH Electric, Key Operated		
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector		
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature		
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever		
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted		
	: WIRING, CHASSIS Color Coded and Continuously Numbered		
8541	HORN, ELECTRIC (2) Disc Style	0/0	0
8695	SNOW SHIELD (2) Chrome; for Dual Air Horns	2/0	2
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord	1/0	1
8GHG	ALTERNATOR {Bosch LIL165 Long Life} Brush Type, 12 Volt 165 Amp. Capacity, Pad Mount, with Remote Voltage Sensor	-3/0	-3
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/ Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	0/3	3
8HAH	ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket	0/2	2
8MKX	BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 2775CCA Total	14/8	22
8RKB	RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input	2/0	2
	<u>Includes</u>		
	: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior		
	: SPEAKERS IN CAB (4) Coaxial with Premium Interior		
8RLZ	BATTERY DISCONNECT SWITCH {Cole-Hersee 75920-06} 300 Amp; Battery Box Mounted, Disconnects Cab Power, Does Not Disconnect Charging Circuits, Locks with Padlock	0/0	0
8THB	BACK-UP ALARM Electric, 102 dBA	0/3	3
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications	2/0	2
8TKK	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/ Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch	1/0	1
8VUJ	BATTERY BOX Steel with Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab	0/0	0
8VZR	SWITCH, BODY CIRCUITS, MID for Bodybuilder, 6 Momentary Switches in Instrument Panel; One Power Module with 6 Channels, 20 Amp Max. Per Channel, 80 Amp Max Output, Switches Control Power Module Through Multiplex Wiring, Mounted in Cab Behind Driver Seat	1/0	1
8WBW	JUMP START STUD Remote Mounted	2/0	2

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	<u>Includes</u> : JUMP START STUD Mounted to Battery Box		
8WCK	POWER SOURCE, TERMINAL TYPE 2-Post	1/0	1
8WGL	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	0/0	0
8WML	HEADLIGHTS Long Life Halogen; for Two Light System	0/0	0
8WNH	RUNNING LIGHT (2) Daytime	0/0	0
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade	0/0	0
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	0/0	0
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	0/0	0
8WTP	COURTESY LIGHT (2) Mounted In Front Map Pocket Left and Right Side	1/0	1
	<u>Notes</u> : Feature included with CAB INTERIOR TRIM, Premium		
8WVP	HORN, AIR (2) Single Tone, Rectangular; Chrome. Roof Mounted	9/-1	8
8WXD	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened	0/0	0
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start	0/0	0
8WZP	INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Factory Installed or Customer Mounted Battery Disconnect Switch	1/0	1
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender	0/0	0
9585	FENDER EXTENSIONS Rubber	0/0	0
9HBM	GRILLE Stationary, Chrome	0/0	0
9HBN	INSULATION, SPLASH PANELS for Sound Abatement	3/0	3
9WBK	FRONT END Tilting, Fiberglass, with Three Piece Construction Includes Long Hood	0/0	0
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GS"		
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
10943	KEYS - ALL ALIKE Fleet - Includes Ignition and Cab Door Keys	0/0	0
10UAD	VEHICLE REGISTRATION IDENTITY ID for 49 States, Excluding California	0/0	0
10WBA	KEYS - ALL ALIKE, ID Z-250	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
10WJH	PROMOTIONAL PACKAGE Government and Municipal Silver Package; Two Year Limited Subscription of On-Command Service Information (Formerly Fleet ISIS), and On-Command Parts Information (Formerly Fleet Parts Catalog), Requires Specific Feature Combinations	0/0	0
11001	CLUTCH Omit Item (Clutch & Control)	-134/-22	-156
12772	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines	0/0	0
12850	PTO EFFECTS, ENGINE FRONT for N13/A26 Engines, Less PTO, Unit, Includes Adapter Plate on Engine Front Mounted	0/0	0
12BCS	ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 430HP @ 1700 RPM, 1550 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 430 Peak HP (Max)	0/0	0
12THT	FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed with Residual Torque Device for Disengaged Fan Speed	3/0	3
	<u>Includes</u> : FAN Nylon		
12VAL	AIR CLEANER Dual Element, with Integral Snow Valve and In-Cab Control	6/0	6
	<u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted		
12VGT	FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2018	0/0	0
12WCT	BLOCK HEATER, ENGINE {Phillips} 120V/1500W, with "Y" Cord for Fuel Heater, Cord to Operate Both Heaters	3/0	3
	<u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door		
12WEG	COLD STARTING EQUIPMENT Automatic; with Engine ECM Control	0/0	0
12WPX	OIL PAN Rust Protected (Resistive Coating), For N13/A26 Engines	0/0	0
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations	0/0	0
12XAW	RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1012 SqIn CAC, 1543 SqIn 3 Core LTR	0/0	0
13AUW	TRANSMISSION, AUTOMATIC {Allison 4500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway	215/80	295
13WAW	OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type	25/0	25
13WLM	TRANSMISSION OIL Synthetic; 63 thru 76 Pints	0/0	0
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	0/0	0
13WVN	TRANSMISSION SHIFT CONTROL {Allison} Bump Shifter Type; for Allison 3000 & 4000 Transmission	0/0	0
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab	0/0	0
13WYU	SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
13XAT	PTO LOCATION Dual, Left Side and Top of Transmission	0/0	0
14HRC	AXLE, REAR, TANDEM {Meritor RT-46-164EH} Single Reduction, Standard Width, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 5.63 <u>Includes</u> : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light : REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle <u>Notes</u> : Axle Lead Time is 45 Days : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance	0/541	541
14ULY	SUSPENSION, REAR, TANDEM {Hendrickson HMX-460-54} Walking Beam Type, 54" Axle Spacing; 46,000-lb Capacity, with Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers <u>Includes</u> : CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.	0/17	17
14WAL	SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles with Bar-Pin Beam Attachment Type Suspensions	0/0	0
14WBN	DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash	1/0	1
14WBV	SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only, Mounted from Frame to Beam	0/31	31
14WMK	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 65 thru 89.99 Pints	0/0	0
15LKY	FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 120 VAC Plug-in Electric Pre-Heater, Fuel Heated, Includes Water-in-Fuel Sensor	3/-2	1
15SSC	FUEL TANK Temporary, Top Draw, Non-Polished Aluminum, D-Style, 16" Tank Depth, 50 US Gal (189L), with Quick Connect Outlet, Mounted Left Side, Back of Cab	4/0	4
15WDG	DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab	0/0	0
16030	CAB Conventional <u>Includes</u> : ARM REST (2) Molded Plastic; One Each Door : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: STEP (4) Two Steps Per Door		
16HBA	GAUGE CLUSTER English with English Electronic Speedometer	0/0	0
	<u>Includes</u> : GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout : WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)		
16HGG	GAUGE, OIL TEMP, ENGINE	1/0	1
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel Mounted in Instrument Panel	2/0	2
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
16HLJ	GAUGE, DEF FLUID LEVEL	0/0	0
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust	0/0	0
	<u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type		
16SDE	MIRROR, CONVEX, LOOK DOWN {Lang Mekra} Right Side; 6" x 10 1/4"	2/0	2
16SDT	MIRRORS (2) {Lang Mekra} Styled; Rectangular, Power Both Sides Flat Glass Only, Thermostatically Controlled Heated Heads, Clearance Lights LED, Black Heads, Brackets and Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing	1/0	1
16SEE	GRAB HANDLE Chrome; Towel Bar Type with Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar	3/0	3
16SMN	SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl	17/6	23
16VCC	SEAT BELT All Orange; 1 to 3	0/0	0
16WBY	ARM REST, RIGHT, DRIVER SEAT	3/0	3
16WCT	AIR CONDITIONER {Blend-Air} with Integral Heater & Defroster	49/5	54
	<u>Includes</u> : HEATER HOSES Premium : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : REFRIGERANT Hydrofluorocarbon HFC-134A		
16WJT	INSTRUMENT PANEL Center Section, Ergonomic Panel	0/0	0
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	5/0	5
16WKY	HVAC FRESH AIR FILTER	0/0	0
16WLE	STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood	1/0	1
16WRX	CAB INTERIOR TRIM Deluxe <u>Includes</u> : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CAB, INTERIOR TRIM, CLOSEOUT Lower Dash Closeout Panel; Molded Plastic; Under Instrument Panel Driver Side : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	0/0	0
16WSK	CAB REAR SUSPENSION Air Bag Type	0/0	0
16XSE	MODESTY PANEL Painted, Left Side Only	0/0	0
16XWD	SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights	15/2	17
16XWJ	WINDSHIELD WIPER BLADES Snow Type	2/0	2
27DUM	WHEELS, FRONT {Accuride 29806} DISC; 22.5x12.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Offset 4.63"	0/0	0
28DUK	WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs	0/0	0
7382158105	(8) TIRE, REAR 12R22.5 Load Range H G282 MSD (GOODYEAR), 481 rev/mile, 75 MPH, Drive	0/240	240
7702658113	(2) TIRE, FRONT 385/65R22.5 Load Range J G296 MSA (GOODYEAR), 488 rev/mile, 68 MPH, All-Position	96/0	96
Services Section:			
40118	WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2, 2015 or Later, CTS-2003Z	0/0	0
Total Component Weight:		10272/8096	18368
1% MiDEAL Fee Paid to State of MI Under MiDEAL Program Requirements		0/0	0
Add'l Leveling Valve for Hendrickson PriMaxx Air Rear Suspension (installed by Navistar TSC)		0/0	0
Total Goods Purchased:		0/0	0

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Factory List Prices:		
Product Items	\$227,948.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$227,948.00
Total Goods Purchased:		\$1,506.45
Document Fee	\$190.00	
Total Preparation And Delivery:		\$190.00
Freight	\$2,200.00	
Total Freight:		\$2,200.00
Total Factory List Price Including Freight:		\$231,844.45
Less Customer Allowance:		(\$115,054.45)
Total Vehicle Price:		\$116,790.00
Total Sale Price:		\$116,790.00
Total Per Vehicle Sales Price:		\$116,790.00
Total Net Sales Excluding Taxes:		\$116,790.00
Michigan Title Fee	\$15.00	
Total License, Title:		\$15.00
Net Sales Price:		\$116,805.00

PLEASE REVIEW THIS PROPOSAL VERY CAREFULLY! Your signature below indicates that you accept the specifications and payment terms (listed on page one) contained herein as written and that you are able approve said specifications for order and payment terms. Please include this proposal number on all correspondence and purchase orders.

This proposal contains in its entirety our offer to you for this purchase at the given dollar amount. No other offers, spec additions, warranties or other additional items are made or implied. Other additional desired items may be available; contact your local dealer representative for further details.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

TRI COUNTY INTL TRUCKS
5701 WYOMING St.
DEARBORN MI 48126 -
(313)584-7090

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

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January 8, 2018

City of Novi
Attn: Mike Rhatigan, Fleet Asset Manager
45175 Ten Mile Road
Novi, MI 48375-3024

Equipment Quotation

The following pricing is based on City of Rochester Hills RFP-RH-13-030 contract awarded November 2013

Chassis: Tandem Axle, CT: 138"

Install SwapLoader Hooklift hoist model #SL-412 including the following:

40,000 pounds dumping and lifting capacity with gross weight evenly distributed in and/or on container/body

Hooklift shall be able to handle skid-mounted containers/bodies with lengths of 12-15'

Hooklift shall have a minimum of 60 degree dump angle

Skid-mounted containers/bodies shall be supported with a pair of 6 1/4" minimum diameter outside flanged rollers at the rear of the hoist, and be adjustable to accommodate bodies/containers with outside subframe rail widths of 40-1/2" or 41-5/8"

Hooklift operation:

The lift shall adjust weight distribution of the container/body horizontally on the chassis while remaining in the body locks and without lifting the container/body rails off the hoist frame

Hooklift has a dual rear pivot section incorporated into the hoist design to allow for both a true dump truck operation, with the container/body secured to the hooklift via body locks during the entire dump cycle, and increased mounting leverage at the beginning of the container lift cycle

Hooklift jib to reach rearward to the A-frame lifting bar by means of double articulating hinge points (dual rear pivot) incorporated into the hoist mechanism

All lift sections shall lock into a common rigid full-length frame to support the body/container when in a dump mode. This must be accomplished by mechanical operated latches, which lock the mast

It has a jib lockout valve to prevent jib operation while in dump mode

Hydraulic cylinders:

Dump/lift cylinders are double acting, twin cylinders, sized for the unit capacity with dual integral counterbalance valves. Dump/lift cylinders are 6" bore, 3" rod diameter and 56" stroke

Telescopic jib cylinder shall be double acting, single cylinder, sized for unit capacity with a single counterbalance valve. Jib cylinder to be a 4" bore, 2 1/2" rod diameter and 30" stroke

Hydraulic operating pressure will not to exceed 3600 PSI

Mainframe design:

The mainframe of the hoist is constructed of a "Z" rail configuration

The "Z" rail mainframe is a maximum of 10 1/2" in height and constructed of 1/4" thick A572 50 KSI steel

Hoist "Z" frame rails to include 6 (or 3 per side) 11-3/4" x 2-3/4" x 1/2" Nylatron wear pads for container/body support

The Nylatron pad will allow the containers/bodies to slide back and forth horizontally on the "Z" rail of the hoist with ease

Jib hook design:

Vertical Jib is constructed of a 9" x 9" x 1/2" wall square tube of A500 50 KSI steel

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Jib hook height is adjustable to either 53-7/8" or 61-3/4" from the bottom of the container/body subframe rails to the bottom of the A-frame lift bar

Hooklift warranty:

The complete mechanism, including hydraulics, will be factory warranted free of defects in material and workmanship for a period of forty-eight (48) months on parts, and twelve (12) months on labor from the date of installation

Install Monroe Fuel/Oil/Valve Enclosure Combination tanks including the following:

120 gallon fuel oil capacity, 35 gallon hydraulic oil capacity
Fuel/hydraulic tank/valve enclosure is 7 ga. type 201 stainless steel construction
Hydraulic valve enclosure built into left side of tank
Valve enclosure to have a weather-tight door
Low-oil sensor in hydraulic tank and wired to a low oil shutdown system
Top of the tank Zinga-type, tank-mounted return line filter
Ball valve shutoff on case drain and supply ports
Sight and temperature gauge
Hydraulic tank will be full of AW32 hydraulic oil
"Fuel" and "Hydraulic Oil" stickers shall be installed on the tank
Install 3-step egress & platform from streetside fender to combination reservoir tank
Step assemblies shall be painted Red

Install Central Hydraulic System including the following:

Force FASD45L piston pump – 6.0 CID
Front pump mounting bracket
Pump flange
Low-oil shutdown block with override controls
Monroe-type low-oil sender in tank
Spicer drive line
Valve assembly is Force America Add-a-Fold with the following sections:
4-way EPC section for Hoist
4-way EPC section for Jib
4-way EPC section for Scraper with relief for down pressure
4-way EPC section for Scraper swing
4-way EPC section for Front Plow
4-way EPC section for Front Plow swing
4-way EPC section for Wing Plow
4-way EPC section for Pre-wet/Anti-Ice
3-way EPC section for Auger
3-way EPC section for Spinner

Force America CommandAll Single controller armrest compatible

All necessary hoses and fittings will be Parker-type

Stainless steel piping will extend to spreader, spinner, pre-wet and return oil circuits at the chassis rear

Return line manifold

Install Force America Control Center including the following:

Force America CommandAll Single joystick controller with a 6100 model spreader

The electronic controller is a fully proportional, single-stick control that allows for one-handed, finger-tip control of any hydraulic function with six programmable push buttons

The electronic spreader control shall be designed for precise, closed-loop control of granular and pre-wet liquid applications and operate on a CAN Bus protocol

Spreader control interface has two color-coded, continuous rotation encoders, granular & spinner control

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The spreader control display shall be a remotely-mounted, 7" diagonal color TFT LCD, with a low-profile 16:9 widescreen format and minimum of 800 x 480 pixel resolution

The operator menus shall be color-coded to match the encoder knobs on the operator interface

A proportional PWM driver and input module (Valve Module) shall be remotely mounted inside the hydraulic valve enclosure for control of both spreader control and joystick control outputs

Truck diagnostic calibration shall be completed prior to delivery

Supply one USB for firmware and storing calibration data

Install 34" Husting-type Front Hitch including the following:

12" structural C-channel front bumper with tapered back ends

Double-acting lift cylinder with Socatri rod

Installed roller pins, rollers mounted to hitch frame base

Front tow hooks to be mounted on frame with bumper cut-outs

Two expanded metal front bumper steps driver and passenger side

Expanded metal traction strip placed across the top of the front bumper

Chain box to be mounted on the driver's side of the front bumper

Install Monroe model MP36R11-ISCT Snow Plow with mailbox trim on right-end including the following:

11' long on top, 36" across

Moldboard painted powder-coat Orange, with the pushframe painted powder-coat Black

Six (6) ½" x 4" vertical ribs, 4" x 4" x ¾" moldboard bottom angle, 2" x 3" x 3/8" moldboard top angle

Moldboard thickness to be 10 gauge

5/8" x 8" x 11' high carbon steel cutting edge with SHS punching

Full-moldboard trip assembly with dual-compression trip

Integral shield style moldboard

Screw-adjustable skid shoes to be mounted on the plow

A rubber snowshield to be mounted across the top of the plow

Blade guides

34" Husting plow-portion hitch

Roller Kit Assembly, plow-portion

Install Monroe model 4512 Underbody Scraper including the following:

12' x 20" x 1" moldboard

Moldboard is grade 50, hi-tensile steel, not heat-treated

All cylinder rods are Socatri-type, not nitrated

Replaceable trunnions

Piloted center bolt into hangerboard

Grease line kit is included

Cushion valve and j-50 relief valve included

Install proximity switch for scraper position indication with long bracket to indicate scraper up/down

Install 4" grip-strut scraper step, not bar grating, installed raised with step material

Install Kennametal single-insert carbide cutting edges

Install two (2) Kennametal D-shaped carbide curbguards one each end of the moldboard

Paint Red bands on ends of moldboard

Install Monroe model MJW-7' Mid-mounted 7' Jr. Wing parallelogram wing including the following:

7' moldboard length, 27" intake height, 28" discharge height

Moldboard is powder-coated Orange

Safety chain shall be installed for transport at any adjusted angle

Wing Post shall be mounted just ahead of the front drive tire with the rear push arm mounted behind the rear drive tire

Wing Post is parallelogram design and shall mount directly ahead of the drive tire

Rear push arm is to be equipped with a 6" cushion spring

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Hydraulic circuit for the wing is equipped with a sequencing valve for proper operation of the wing
Sequencing valve shall have built-in, manually adjustable flow controls

Wing is to be equipped with stainless steel hydraulic disconnects for easy removal

Wing will also be equipped with a cushioned rubber stop to prevent it from hitting the body when placed in the stored position at any adjusted angle

Install two (2) single-hole stainless steel light boxes mounted on the end of the wing, with a Star Green 6" oval flasher and a Star Amber 6" oval flasher rear-facing and a LED marker light front-facing

Install recycled tire cutting edge 5" x 10" x 83" including a weld-on 2' round stock curbguard

Install two (2) Monroe-type wing shoes, one each at toe and heel of tire cutting edge

Install double-reinforced 1/2" thick rubber snow deflector

Proximity switch for wing position indication

Install safety clamp for wing push-arm spring

Install LaserLine GL3000PMC Wing Plow Guidance Laser including the following:

Green "ultra-bright" laser assembly enclosed in weatherproof housing

Heated front window lens to reduce or eliminate icing

Pneumatic air blast mechanism for lens, blasting every 5 seconds

Control switch installed in cab for laser on/off and air blast on/off

Laser assembly installed on roof of cab

Install Custom Chassis Lighting & Electrical including the following:

Three-hole, 6" oval, stainless steel light bars shall be mounted to the chassis just behind the fender on each side of the chassis including:

One (1) SoundOff LED Amber flasher mounted in each rear light box

One (1) SoundOff LED backup light mounted in each rear light box

One (1) SoundOff LED STT light mounted in each rear light box (mounted in outside holes)

LED marker light kit

One (1) Star model 9018LED-Amber/Green mini lightbar cab roof-mounted on a riser

Two (2) Weldex flood lights at rear

Two (2) Weldex scrapers lights, one each side

One (1) Weldex light for wing operation

Plow lights and aluminum plow light brackets mounted on hood

Two (2) Whelen Micro amber 6 LED Vertex part 3 01-0268715-10A self-powered, mounted in front plow light bracket forward-facing, one on each side

Betts junction box and related wiring

Install Preco 1040 back-up alarm

Controls, Switches and Disconnects including the following:

OEM chassis and CommandAll switches shall control the emergency & work lighting

Chassis switches for the following:

Scraper work lights

Spreader work lights

Wing work lights

Console switches for the following:

Tarp in/out

Air-tailgate

CommandAll programmable switch assembly installed for the following:

Low-oil pump override

Front flashers

Rear flashers

Spreader on/off

Jib/Hoist & Wing on/off

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- Couplers for attachments shall be located behind the cab
- Electrical plug for attachment lighting located behind cab at the rear of chassis for attachment hook up
- Granular feedback as well as pre-wet shall be included in a disconnect mounted behind cab
- Air controls for air trip tailgate shall be located at the rear of the chassis just behind fenders
- Tarp system controls wired to rear of chassis just behind fenders including a two-terminal electrical plug
- Install Flaming River Electrical Shutdown including the following:**
 - 3-minute timed delay switch mounted in-cab
 - Enclosure with LED indicator light
- Install RoadWatch Kit for Force America 6100 including the following:**
 - RoadWatch road temperature sensor mounted on mirror & display mounted in-dash
 - Sensor cables for connecting to Force America 6100 spreader controller
 - Includes mounting, necessary wiring and installation
- Install Precise AVL Monitoring System including the following:**
 - City-supplied Precise unit, tying into proximity switches
 - City to supply unit and cables for wiring
- Install ProTech stainless steel fenders for tandem axle chassis including the following:**
 - Fenders shall be constructed of 14 ga minimum 304 or 403 polished stainless steel
 - Stainless steel mounting brackets at the front and at the rear
 - The fender kit shall include a mounting bracket between the drives that joins two single radius ½ fenders so that when assembled the fenders are a double radius fender covering both front and rear drive tires
 - Flaps mounted at the front and at the rear of the fenders on rear axles
- Install ¾" rear hitch plate and 20-ton pintle hook including the following:**
 - The hitch plate is to have multiple holes for adjustment height of pintle hitch
 - The pintle hitch should be model PH-20, mounting height is 22" from ground to cradle
 - There shall be two (2) ¾" D-rings welded on each side for tow chains
 - The rear hitch shall have support bracing welded for extra strength and stability
 - Rear tow hooks mounted outside of frame rails
 - Electric plug 7-way round pin
 - License plate frame and light
- Install Electric Brake Controller**
- Install One (1) pry bar tube holder mounted to chassis, include rubber bumper inside tube to prevent rattling**
- Install One (1) spade holder mounted to the chassis**
- Install Fire Extinguisher and Triangle Kit**
- Install Conspicuity Tape** as necessary on chassis and attachments
- Install Rustproof top of floor in-cab, remove floor mat and install rustproofing**

Above installed and non-stainless steel painted: \$ 117,711.00 ea.

Base Attachment #1

V-box Spreader

- Install Skid-mounted Monroe MCV-168-84-62 Dual Auger Combination Spreader including the following:**
 - 53-7/8" hook and skid assembly
 - Rollers at the end of the skid assembly
 - Skid assembly will be hot-dip galvanized
 - 10 gauge 201 stainless steel hopper
 - 45 degree sloped sides with 2" double crimped top edge
 - 7 gauge 201 stainless steel longitudinals tied together with 3" formed channel cross-sills
 - Dual 7" auger conveyor system with planetary gearbox drive system

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Integral speed sensor in one auger motor
Inverted-V installed over augers; 201 stainless
Bearing grease extensions kits
Auger units include a top-grate kit with lock-down provisions
Hopper length is 168"
Hopper width is 84"
Hopper height is 62"
Stainless steel hopper and spinner construction
Side-mount stainless steel fold-up ladder, driver-side front
Tip-up rear adjustable spinner assembly, 201 stainless, poly disc
Right-hand stainless steel winch kit with brake for tip-up assembly

Install Pre-Wet System including the following:

Twin 125 gal tanks
Remote vent kit for liquid tanks
Bulk fill and flusher kit (2" female bulkfill)
Crossover hose kit
7 GPM pre-wet pump with Dickey-John application rate sensor
Pre-wet spray tube installed in auger trough
Install all necessary supports and brackets
Install stainless steel pipe kit from the rear of the spreader to the front of the spreader and equip with stainless couplers for the auger, spinner and pre-wet circuits

Install Custom Lighting & Electrical including the following:

LED marker light kit installed on the V-box spreader
Install two-hole 6" oval stainless steel light bar mounted at rear on each side for Star Amber & Star Green LED flashers with alternating flashing pattern
Install single-hole stainless steel light box at rear on each side for SoundOff STT light
Install two (2) SoundOff LED Predator2 amber flashers, one on each side of the Vbox
Wire circuits to the front of the body for accessory lighting and application rate sensors
Install Betts junction box at the rear of the body

Base Attachment #1 installed pricing:

\$29,258.00 ea.

Base Attachment #2

Dump Body

Install Skid-mounted Crysteel Select 14' Stainless Steel Dump Body including the following:

53-7/8" hook and skid assembly
Body sides and ends are constructed of 7 gauge type 201 stainless steel
84" wide body
Tailgate height is 46"
Side height at the front and rear is 36"
Western understructure with a SwapLoader skid assembly longitudinal
Body floor is ¼" AR450
Air-operated tailgate with screw latch lock
Install turnbuckles in tailgate
Tailgate is 9-panel construction with 2 intermediate horizontal braces and 2 vertical intermediate braces and a boxed perimeter
12" cabshield constructed of 10 gauge stainless steel is included
Dump body sides and ends will be unpainted type 201 stainless steel
Body longitudinal and bottom of floor will be painted black

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Rollers installed at the rear of the skid

Install Roll-Rite model 64000 Tarp System including the following:

Electrical disconnect kit

Includes aluminum tarp and tension bows

Wire to plug assembly at the rear of the dump body with plug

Mesh-type tarp cover included

Install Custom Lighting & Electrical including the following:

3-hole tapered stainless steel light wedge boxes mounted on rear pillar posts:

Driver-side 3-hole top-to-bottom Star green, SoundOff STT, Star amber

Passenger-side 3-hole top-to-bottom Star amber, SoundOff STT, Star green

*Flashers hooked up to wig-wag corner to corner

Install two (2) SoundOff LED Predator2 amber flashers, one on each side midway down length of dump LED body marker lights

Install Betts junction box at the rear of the body

Wire to plug assembly at the rear of the dump body light and tarp disconnect

Base Attachment #2 installed pricing:

\$21,818.00 ea.

Base Attachment #3

Anti-Ice Tank

Install Skid-mounted Tank Assembly including the following:

53-7/8" hook and skid assembly

Rollers at the end of the skid assembly

Skid assembly will be hot-dip galvanized

2350 gal tank with a 1.9 rated specific gravity

Tank includes center wall baffle system

Install agitation kit with eductor nozzles

3-lane, closed loop, non-tiered plumbing kit

190 gpm centrifugal pump with hydraulic motor (Needs 12 gpm for proper operation)

Raven flow meter

Three-lane electric boom valves

Three-lane stainless steel wet booms with streamer nozzles; telescoping mount

Plumb hydraulic circuit from rear to left front corner of skid for hookup/disconnect just behind the cab

Wire boom valve circuit, flow meter circuit and lighting circuit from rear of skid to left front corner of the skid for hook up just behind the cab

Ball valve shutoff on the supply port

Install two-hole stainless steel light box mounted at rear on each side for Star Amber & Star Green LED flashers with alternating flashing pattern

Install single-hole stainless steel light box at rear on each side for SoundOff STT light

Wire circuits to the front of the body for accessory lighting

Install Betts junction box at the rear of the body

Base Attachment #3 installed pricing:

\$22,178.00 ea.

Base Attachment #4

Flatbed

Install 14' Flatbed Stake Rack Body including the following:

53-7/8" hook and skid assembly

Four (4) steel drum rollers installed in the end of the bed deck

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14' long deck plus 18" beavertail, 91" wide deck
96" wide flatbed includes a 1/4" treadplate deck
Crossmemberless understructure, 2" x 6" outer rail, 56" open center
1/4" stake pockets and 2-1/2" x 3/8" outside tie rail
58" x 96" front bulkhead with knee braces
Windows built into bulkhead with expanded metal screens
48" stake rack sides and rear barn-door style swing gate
Six (6) D-rings installed on deck
Body is painted Black
Removable stake racks and bulkhead are powder-coated Black
Removable ICC bumper
Install conspicuity tape along tie rail

Base Attachment #4 installed pricing: \$15,685.00 ea.

Option:

Install Rearview Camera with Wash System including the following:

M.S. Foster & Associates Inc. system mounted to chassis-mounted lightbar
NEMA enclosure and washer fluid tubing
MSF1128-12.50A camera wash with banjo remote fill
VCMS155B color camera, high performance and waterproof
CEC34L1 loomed 34' main cable for monitor
VOSHD6MNT double-knuckle monitor mount
MSF5000 stainless steel camera box
VOM74WP 7" LCD color monitor, waterproof

Option add: \$2,099.00 ea.

Chassis requirements to be confirmed prior to order entry:

CT: 138"
Delete OEM bumper
Front frame extension
Front of engine PTO
Stationary grille
6-pack of chassis switches
Plow light/headlight switch
Highest ground clearance package
Horizontal DPF mounted under the curbside door or behind cab
Right side with a vertical tailpipe
Trailer wiring to the rear for electric brake controller
Temporary fuel tank

Payment Terms: Net 30. Pricing effective for 90 days.

Pricing does not include any of the Rochester Hills RFQ discounts that may be applicable.
2% discount off total taken at invoice if payment received within 30 days.

FOB: City of Novi

Delivery: 270-360 days ARO

Thank you for the opportunity to quote.

TRUCK & TRAILER
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Respectfully submitted by,
Jon Luea/Brian Bowman