




To: Jonesville City Council  
From: Jeffrey M. Gray, City Manager   
Date: July 19, 2023  
Re: Supplemental Information – July 19, 2023 Council Meeting

➤ I recommend that the agenda be amended to add the following item:

**6. F. Consider Payment – Upfitting of DPW Dump Truck**

**[Action Item]**

Superintendent Kyser accepted delivery of the new dump truck yesterday. Staff would respectfully ask Council to consider amending the agenda to consider approval of the attached invoice in the amount of \$63,213.00 for the upfitting of the vehicle. This includes the installation of the dump bed, underbody blades, safety lights, etc. Council previously approved payment for the vehicle chassis to the manufacturer in the amount of \$83,667.60. A portion of the purchase price will be offset by a grant from the United States Department of Agriculture-Rural Development (USDA-RD) in the amount of \$50,000. The purchase of the dump truck was originally approved by Council in March of 2021, and has been subject to manufacturing delays. A photo of the truck is included below. I recommend a motion to approve payment of the invoice to Truck and Trailer Specialties, Inc. in the amount of \$63,213.00. *Please refer to the attached invoice.*





Truck & Trailer Dutton  
 3286 Hanna Lake Ind Park Dr  
 Dutton MI 49316

(616) 698-8215  
 www.ttspec.com

# Invoice

Invoice ID:	DJO003077
Invoice Date:	7/18/2023

Bill To: 2220

Jonesville City  
 265 E Chicago St  
 Jonesville MI 49250

Ship To:

Jonesville City  
 111 Ecology Dr.  
 Jonesville MI 49250

**Make:** International      **Model:** HV607      **Year:** 2024      **VIN:** 3HAEJ2AR2RL251714  
**Unit:**      **Ship Via:** BEST WAY      **Tax Exempt:** 38-6007257      **Terms:** N30

<b>Order Description</b>	Single Axle Plow Truck
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<b>Customer PO</b>	<b>Terms</b>	<b>Ordered By:</b>	<b>Order Taker</b>	<b>Shipping Method</b>
2021-10	N30	Mike Kyser	Mike Bouwman	BEST WAY

Part Number	Description	Serial Number	Qty Shipped	UOM
001838411	Ms4510 Scraper,Updated Hinge Reinforced Hinge Tube	211951	1	EA
1645776	M5390 Trunion Mtn Da Telescopi	2280299	1	EA
2378054	Tcf Slts 10' 84/96, 50/30/38 M5390, 1/4" Ar450 Floor	41219958	1	EA
63072	36460 46430 3 Spring Tarp Sys 76700 76710 Kit	114013	1	EA

Install Crysteel 10' Select Dump Body including the following:  
 120' body length, 96" outside width, 84" inside width  
 Side height shall be 30 height  
 50 front and 38 tailgate  
 Dump body sides and front shall be constructed of 7 ga. A1011 type steel  
 Construction of the sides shall include a boxed top rail  
 Sides includes pressed-in horizontal bracing  
 Tailgate is 6-panel type and 7 ga. A1011 construction  
 Tailgate is air-operated  
 Body understructure shall be Western tubular trapezoidal  
 Floor of the dump box shall be constructed of 1/4" AR450 Steel  
 Stainless steel 304 rear corner posts  
 24 cabshield constructed of 10 ga. steel  
 10" hardwood sideboards  
 Install 3-hole light wedges on rear pillars for lighting  
 Install fixed steps with grab handles over streetside tire  
 Install two (2) shovel holders on streetside of dump bulkhead  
 Mudflaps installed in front of and behind drive tires  
 Install Crysteel Marathon model M5390 Telescopic Hoist NTEA Class 70 including:  
 Hoist is trunion-mounted and double-acting, power-up/power-down  
 Greaseable rear hinge and replaceable rear pin  
 Crysteel body & hoist warranty is 5 years, 100% parts and labor for  
 years 1-3, 50% for years 4-5  
 Install Roll-Rite Electric Tarp System including the following:



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Direct-drive motor/gear box assembly  
Aluminum wind deflector  
Aluminum tarp and tension bows  
3-spring tarp arms with offset elbows  
16' mesh-type tarp cover  
In-cab control

Install Monroe Combo Hydraulic Oil Reservoir/Valve Enclos:

Valve enclosure will be installed on the left side of combo tank  
40 gal oil capacity  
Tank to be filled with AW32 hydraulic oil  
7 ga. type 201 stainless steel construction, unpainted  
5 psi pressurized tank cap on hydraulic tank  
3 supply port on hydraulic tank with 3 x 2 suction strainer  
2" ball valve shut-off for supply line to the hydraulic pump  
3/4" case drain shut-off  
Tank-mounted return line oil filter  
Ball valve shut-offs on both fuel supply and return lines  
Low-oil sensor mounted in the top of the tank  
Includes stainless steel step mounted on the end of the tank

Install Central Hydraulic System including the following:

Rexroth A10VO85 front-mounted load-sense piston pump  
Pump is 85cc displacement  
Spicer drive line and front pump crossmember mounting bracket  
Companion flange on pump side for easy removal of the drive line  
12-volt low oil shutdown block with override control

Rexroth 6m4-12 closed-center hydraulic valve with the following sections:

Dump box with 500 PSI A port lead-sense relief  
Scraper up/down with 500 PSI A port lead-sense relief  
Scraper swing  
Front plow up/down  
12-volt EPC valve for spreader auger  
12-volt EPC valve for spreader spinner

Apsco air-actuating levers for the following functions mounted (L-R from driver):

#1 Dump w/safety detent (pull/up, push/down)  
#2 Underbody, single-axis (pull/up, push/down)  
#3 Underbody, single-axis (pull/discharge left, push/discharge right)  
#4 Front Plow, single-axis (pull/plow up, push/plow down)

Rexroth CS420 Electric Spreader Controller for open-loop operation including:

Controller to be setup as groundspeed-oriented  
Controller mounted between the seats on a console  
Remote spreader pause/blast large toggle switch  
All necessary hoses and fittings  
Stainless steel piping for hydraulic lines to rear  
Stainless Steel Hydraulic couplers for spreader and front plow circuits

Install Monroe 29 Husting-type Front Plow Hitch including the following:

3" DA lift cylinder with Socatri rod  
12" channel front bumper with tapered ends  
Tow hooks recessed in front bumper  
All necessary supports and braces for hitch assembly

Install Monroe 10 model MS4510 Underbody Scraper including:

10' x 20" x 1" moldboard  
Two, 4" power-reverse cylinder with 2" Socatri rods  
Two, 3.5" actuating cylinders with 2" Socatri rods  
All cylinders have poly pack seals



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1" circle with 5" greaseable center bolt  
Circle includes a welded-in hardened bushing  
2" clevis bosses on power-reverse cylinders  
Contoured circle clamps with poly-type wear pads  
Three reinforced moldboard hinges with gussets  
Moldboard hinges are constructed of 3/8" wall DOM tubing  
Adjustable j-50 relief valve is included  
Cushion valve for power-reverse circuit is included  
Piloted centerpin  
Bolt-in trunnion caps for canisters  
Remote lube manifolds and grease lines  
Install Kennametal single-insert carbide cutting edges for 10' scraper  
Install one (1) Kennametal carbide curbguard on curbside end of moldboard  
Paint Orange bands at each end of moldboard  
Install used Undertailgate Spreader including the following:  
Existing Undertailgate Spreader- Mike to deliver at time of build  
New stainless steel mounting brackets  
New stainless steel inner tailgate shields, truck-side  
Quick couplers installed between rear hinge  
Install Custom Lighting & Electrical including the following:  
Six (6) OEM chassis dash switches wired to:  
1. Front Flasher  
2. Rear Flasher  
3. Scraper Light  
4. Spreader Light  
5. SPARE  
6. Air Tailgate  
Two (2) OEM chassis dash indicators wired to:  
1. Body-Up  
2. Tailgate Open  
3. TTS to install Low Oil indicator light in dash  
Control console low-oil override switch and tarp switch  
No plow lights, plow lights on plow, wire into factory plow plug  
Four SoundOff mPower (mo. EMPC2SMS4) amber/green LED flashers flush-mounted:  
Two (2) cabshield-mounted front-facing on cabshield  
Two (2) cabshield-mounted side-facing at bottom of cabshield  
Two (2) stainless steel (3) hole light wedge boxes mounted on rear pillar including:  
One (1) SoundOff nForce (mo. ENFSLSRV12) LED 6 oval  
amber/green flasher in top holes  
One (1) SoundOff LED 6 oval STT lights in middle holes  
One (1) SoundOff LED 6 oval back up lights in bottom holes  
One (1) Maxxima scraper work light 4 LED mounted curbside  
One (1) Maxxima spreader work light 4 LED mounted at rear of dump streetside  
LED marker light kit for dump body  
Betts junction box mounted at the rear of the dump body  
Backup alarm  
Proximity switch for body-up light  
No rear hitch plate needed: (deduct was given)  
Remount OEM STT taillights at rear hinge  
Mount TTS-supplied rear tow hooks along frames  
Paint Bottom of the body, attaching hardware, and front/rear hitch Black in color  
Paint Paint dump body Orange to match the cab

Above Installed Price: \$63,213.00 ea.



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Remit Payment To:  
3286 Hanna Lake Ind. Park Drive, Dutton, MI 49316

Order Sub-Total	\$63,213.00
Sales Tax	\$0.00
Order Total	\$63,213.00
Payments	\$0.00
Total Due:	\$63,213.00