

# TRUCK & TRAILER *Specialties, Inc.*

900 Grand Oaks Drive | Howell, MI 48843 | [www.ttspec.com](http://www.ttspec.com) | ph: (517) 552-3855 | fx: (517) 552-3666

**March 10, 2025**

City of Madison Heights  
801 Ajax Drive, Madison Heights, MI 48071  
Attn: Dan Yamarino, ph: (248) 709-8921  
HQO004944

## Equipment Quotation

The following pricing will be based on City of Rochester Hills RFP-RH-20-023 contract awarded September 2020

**Install Monroe 11' Radius Dump Spreader (RDS) Body including the following:**

Overall length is 132", outside width is 96" and overall side height is 56" (8 cubic yard capacity)  
Body shell is constructed of unpainted 3/16" 201 stainless steel  
Body longitudinals are 1/4" 201 stainless steel  
Auger trough is constructed of type 201 stainless steel  
Dual auger discharge with 3.6:1 planetary gear boxes and 24.9 CI motors  
Application rate sensor built into one motor, 100 pulse-type  
Augers are 7" diameter and step-flighted  
Augers include hard-surfaced auger flighting  
Stainless steel bearing adjusters  
Tailgate construction is 3/16" type 201 stainless steel  
Air-operated tailgate release  
Grease extension kit for rear bearings, tailgate pivot arms, front bearings and hoist trunnion  
Floor-level grates just above the augers, powder-coated Black  
Extended single axle fender kit installed integrally to the body of 7-gauge 201 stainless steel  
24" cabshield constructed of 10-gauge 201 stainless steel  
Rear posts without light cut-outs  
Mailhot-type double-acting lift cylinder with trunnion mounts on body  
Install AR450 steel auger cover bolt-in plate (for summer operations)  
Install body prop kit on each side of the frame  
Install Cougar model 3200 DC box vibrator  
Install one (1) 201 stainless steel fold-down ladder, rear driverside of dump  
Install branch deflector on cabshield, curbside  
Install license plate bracket in upper left corner of tailgate  
Mudflaps installed in front of and behind drive tires

**Install Monroe Closed-loop Pre-Wet System including the following:**

7 GPM pump, no valve, Dickey-john flow meter in fiberglass enclosure  
201 stainless steel enclosure mount for RDS  
Tank kit, dual 75-gallon tanks with crossover kit, installed on fenders  
Includes crossover tube, bulk fill adapter and flush kit  
Remote vent tube for each tank  
Spray nozzles at spinner disc  
Monroe to install tanks, crossover and vent kits  
Mount the pre-wet pump on the right side behind the tank

**Install Monroe Rear Spinner Assembly including the following:**

Dual, receiver-type tubular mounting  
Formed 24" poly spinner disc  
Spinner motor includes seal saver

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Direction chute on inside of spinner with 3 exterior adjustable deflectors  
Construction is type 201 stainless steel

Install grab handles to the Rear Spinner Assembly to aide removal

**Install Roll-Rite Electric Tarp System including the following:**

Aluminum tarp and tension arms with off-set elbows

Aluminum wind deflector

Direct-drive motor

Mesh-type tarp cover

**Install Monroe 44-gallon Hydraulic Oil Reservoir/Valve Enclosure combo unit including the following:**

Type 201 stainless steel construction (mos. 00155229-B & 15570)

Mounted behind cab above frame with ship and car channel mounting brackets

Step installed on the end of the tank

Tank-mounted Zinga-type return filter

Suction strainer mounted in the tank

Ball valve shut on hydraulic tank for case drain and suction ports

Low oil sensor mounted inside the tank

Tank is full of AW32 hydraulic oil

Solid-state float switch

**Install Central Hydraulic System including the following:**

**Rexroth** front-mounted load-sense piston pump = A10VO100DFR1/31L-PKC62N00

Pump is 100CC displacement

Front crossmember for pump mounting

Spicer 1310 driveline with companion flange for easy removal

Low oil shutdown valve and over-ride circuit

Return line header

**Rexroth 8m4-12 load-sense hydraulic valve** with pressure-compensated flow controls for the following:

Air-actuated section for Dump Hoist with 500 PSI A- port load-sense limit

Air-actuated section for Scraper up/down with 500 PSI A- load-sense limit

Air-actuated section for Scraper swing

Air-actuated section for Front Plow

Air-actuated section for Front Plow swing

EPC section for Auger

EPC section for Spinner

EPC section for Pre-wet

System also includes automatic “up-in-reverse circuit” for scraper when chassis is in reverse

Stainless steel pipe for spreader and pre-wet circuit plumbing to the rear of the chassis

Stainless steel hydraulic couplers for spreader circuit disconnect & plow-reverse circuit

All necessary hoses and fittings

**Install Rexroth CS660 Electric Spreader Controller including the following:**

Touch screen

Closed-loop operation for spreader, spinner and pre-wet operations

Programmable blast and pause

Data download and programming is with a thumb drive

WiFi and GPS capable

Training is included

**Install Air Control Levers including the following:**

Apsco single-axis air levers mounted in center console for a total of 5 levers in position (L-R) from driver:

#1 Scraper up/down

#2 Scraper left/right

#3 Front Plow up/down

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- #4 Front Plow left/right
- #5 Dump Hoist up/down with safety detent

All necessary hoses and fittings

**Install Monroe Pin & Loop Hitch model 00023329 truck-portion including the following:**

Channel front bumper with steps on both sides and tapered ends  
Steps will be stainless steel gripstrut-type  
Stainless steel open grating in area over pump between bumper and grille  
4" DA lift cylinder with Socatri rod  
All necessary supports and braces  
Relocate front tow hooks behind holes in front bumper

**Install Monroe 11' model MP41R11-ISCT Full-Moldboard Trip Reversible Plow including the following:**

11' long x 41" high moldboard  
Integral shield  
3/16" roll-formed moldboard  
Six ½" x 4" tapered one piece flame-cut ribs  
2" x 3" x 3/8" top moldboard angle  
4" x 4" x ¾" bottom moldboard angle  
Horizontal moldboard brace angles  
Dual, compression-trip spring assemblies  
4" x 4" x 3/8" cross-tube support; full width with 6-point attachment  
3-1/2" x 3-1/2" x ½" semi-circle; additional angle braces to front push tube  
Two 4" x 10" double-acting power reverse cylinders with 2" nitride rods  
Stainless steel hydraulic couplers and cushion valve  
Built-in Monroe level-lift assembly with single chain pick  
Moldboard and push frame 100% continuously welded  
Powder-coated with the moldboard Orange and a Black pushframe  
¾" x 8" x 11' one-piece top-punch cutting edge  
12" x 11' rubber deflector with steel retainer bar, installed  
QCP plow-portion hitch installed, weld-on  
Pair of Monroe 42" cable markers  
Moldboard shoes included  
Monroe wrap-around curbguard with carbide wear strip installed on each side

**Install Monroe 12' model MS4512 Underbody Scraper including the following:**

1" thick x 20" high  
½" thick hanger board with grease manifold brackets installed  
2-1/2" O.D. hinge shaft  
Two heavy-duty shock absorbers  
Bolt-in trunnion caps for canisters; Outer arm remains bolt-on style  
Two 3-1/2" x 10" actuating cylinders; Socatri rods  
1" solid circle with 5" center pin  
Center pin is piloted into hanger board  
Two 4" x 12" reversing cylinders; Socatri rods  
Three hinge anchor points  
Hydraulic pipes  
20.5" x 7" poly hold-down blocks  
Mounting hardware  
Parts-installation manual  
Hose kit and j-50 type relief valve  
¾" solid hanger plates  
Grease line kit with manifolds

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Cushion valve

Install Kennametal single-insert carbide cutting edges

Install Kennametal carbide curbguards, both ends of moldboard

Install serrated step on end of moldboard, streetside

Paint Orange bands at each end of moldboard

**Install Custom Lighting & Electrical including the following:**

Chassis-provided switches for light functions (L-R):

Air Tailgate, Amber Flashers, Green Flashers, Scraper Lights & Spreader Lights

Control console switches for:

Tarp Open/Close, Pump Shutdown/Override, Box Vibrator & Pause/Blast Long Throw Switch

In-cab indicator lights for:

Body-up Light & Low-oil Light

Truck-Lite plow lights with aluminum mounting brackets on hood, mounted 68-70" to the base of lights

One (1) SoundOff LED (mo. ELB45BCH0PC) amber/green 6" beacon bracket-mounted on cab roof with WP

Four (4) SoundOff mPower (mo. EMPS20V38-P) amber/green LED flashers surface-mounted:

Two (2) front-facing on cabshield

Two (2) beneath front of dump top rail, side-facing & angled slightly to rear with front side shield

Two (2) 4-hole tapered stainless steel light boxes mounted at rear pillar posts including:

Two (2) SoundOff LED solid green flashers mounted in top holes (on separate switch)

Two (2) SoundOff LED stop/turn/taillights mounted in 2<sup>nd</sup> holes from top

Two (2) SoundOff LED backup lights mounted in 3<sup>rd</sup> holes from top

Two (2) SoundOff LED solid amber flashers mounted in bottom holes

Two (2) Maxxima 4" LED work lights mounted above the scraper

Two (2) Maxxima 4" LED work lights mounted below light boxes for the spreader assembly

Solenoid controlled fuse box for accessory circuits

LED marker lights

Ground wire for lights will be routed to firewall and connect to a protected independent ground point

Proximity switch for dump body-up light

Betts junction box mounted at rear of the dump body for lighting and trailer wiring circuits

Backup alarm

**Install Pro-Vision TV-205 series Rearview Camera including the following:**

2.5" wide angle, infrared camera mounted on top of streetside light box

Heavy duty 5" LCD monitor

Wired "always on"

Power harness, mounting brackets and hardware

**Install Electric Brake Controller**

**Install Leaf Cap for 11' RDS Body including the following:**

Maximum installed height of leaf box is 11' 6"

Structural frame to be 2" x 2" x ¼" tubing, all on the outside of the box

12-gauge sheet metal on inside of tubular frame with 1" of weld every 6" on the outside of tubing

¼" 4.27# expanded metal raised screen mounted from top of box, 4 equal sections

Drill drain holes in corners of each panel (prior to painting)

Front section to be 12-gauge sheet metal and 4.27# to the back

All pieces welded on the inside so exposed tubing is facing outward

Leaf box to be secured at front and rear of dump box with pins

Ladder (steps) to be mounted on box, continuing up from existing dump box ladder

Grab handle on top of box, (can exceed finished height of 11' 6" max)

Removable shelf storing tailgate built with 3" x 2" x ¼" tube for top and bottom of the frame

3" x 2" x ¼" tube for side of tailgate frame

Tailgate must be hinged at the top and have the lower 6" be expandable metal for draining

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80" from center line of Pintle hitch to center of tailgate opening  
33- ½" high x 43-½" wide rectangular opening in tailgate  
2" x ¼" picture-style frame with 24 equally spaced 3/8" holes centered (horizontally)  
Flange boot for picture-style frame to be 2" x 2-¼"  
Center of vertical opening to be 80" measured from the center of the installed Pintle hitch to the opening  
Mount 2 pieces of 10" x 3" x 36" tubing on the inside roof of box 46" to enable removal with fork truck  
Sandblasted, primer inside and outside and painted Silver on the outside only to match the RDS body

**Install** **Minimizer Floor Mats for Freightliner 108 SD** (mo. FKRTL2B-MIN / 10002265)

**Install** **¾" Rear Hitch Plate including the following:**

Pintle/Ball combination 2-5/16" (BH82516) mounted 21" to the cradle, multi-drill for height adjustment  
Heavy-duty D-rings for safety chains  
7-way RV plug  
Delete OEM taillights

**Paint** **Body hinge, body props, front & rear hitch and attaching hardware Black**

**Above installed equipment, non-stainless painted pricing: \$194,795.00 ea.**

## **Chassis requirements to be confirmed prior to order entry:**

CA = 120" if Airide, 118" if Spring  
Highest ground clearance package  
Vertical exhaust with SCR and DPF mounted behind the cab on right side  
Battery box on the left side of the frame mounted 60" back of cab  
Battery disconnect switch in floor, outboard of driver seat  
6-gallon DEF tank mounted 48"-52" back of cab  
Front of engine PTO provision  
Trailer pre-wiring to rear for electric brake controller  
2-way heavy-duty 150-amp receptacle wired hot between seats (code: 30K-063)  
Front integral frame extension  
Front & rear tow hooks  
Delete OEM front bumper  
Rectangular 50-gallon fuel tank under driver's door, raised mounting  
Stationary grille  
Plow light/Headlight switch and related OEM wiring at bumper  
6-pack of programmable switches for auxiliary warning & work lights

**Payment Terms:** Net 30. Pricing effective for 30 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 Madison Heights

**Delivery:** 16-18 months ARO

**Thank you for the opportunity to quote.**

Respectfully submitted by,  
Jon Luea/Brian Bouwman