



CITY of NOVI CITY COUNCIL

Agenda Item E
February 26, 2018

SUBJECT: Approval to purchase the quoted retro-fit SwapLoader with attachments for the previously approved Ford F-550 Regular Cab 4X4 through the City of Rochester Hills RFP contract, in the amount of \$ 81,300.00.

SUBMITTING DEPARTMENT: Department of Public Services, Fleet Division
Department of Public Services, Field Operations Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 81,300.00
AMOUNT BUDGETED	\$ 125,000.00
LINE ITEM NUMBER	101-442.20-984.014 (FLD002 Dump Truck)

BACKGROUND INFORMATION:

The approved FY 2017-18 budget includes the procurement of a new F-550 chassis to be up-fitted with a SwapLoader system. The SwapLoader system allows the chassis multi-functional capabilities. As an example, the two swap loader assets the City currently uses have the following attachments: mini-concrete mixer, dump body, v-box salt spreader, stake rack/flat bed, and tool crib. Since several different items have the ability to be attached to the same truck, it increases functionality, diversifies the fleet, and provides quicker specialized customer care. Without this piece of equipment, a specialized piece of equipment/truck would be required for specific tasks/jobs. By increasing the number of swap loaders, fewer chassis are needed for a multitude of jobs.

The City of Rochester Hills RFP contract will allow Truck and Trailer Specialties to retro-fit the F-550, which was previously approved at the October 10, 2017 Council meeting.

RECOMMENDED ACTION: Approval to purchase the quoted retro-fit SwapLoader with attachments for the previously approved Ford F-550 Regular Cab 4X4 through the City of Rochester Hills RFP contract, in the amount of \$ 81,300.00.



CITY OF NOVI
Support Doc
(Vehicle & Other Equipment)

Current Equipment



Requested Equipment



TRUCK & TRAILER *Specialties, Inc.*

1200 Victory Drive | Howell, MI 48843 | www.ttspec.com | Ph: (517) 552-3855 | Fx: (517) 552-3666

February 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: 2018 F550 4x4 Regular Cab, 169" WB, 84" CA, payload upgrade to 19,000# GVWR, 6.8L 3 valve gas engine, auto transmission with live PTO provision & snow plow prep package

Install SwapLoader hook-lift Hoist model SL-105 including the following:

- Compatible for 84" CA
- Dump capacity minimum 10,500 lbs.
- Hook height to bottom of pin 36"
- Body length 10-11'
- Sliding jib design
- Dual lift and dump cylinders
- Low pressure hydraulics
- Dual rear pivot section
- Integral dual counterbalance valves
- Jib lock-out system
- Nylatron slide pads
- 4 years parts and 1 year labor warranty

Install Hydraulic System to operate SwapLoader Hoist including the following:

- Chelsea hotshift power take-off with direct-mounted 12.9 GPM pump with speed control
- 30 gal side-mounted stainless steel tank with return line oil filter and shut-off valve
- Low-oil shutdown sensor
- Force America Add-A-Fold 2010 Valve, 12-volt actuated valve with hoist & jib functions
- Stainless steel valve enclosure mounted on frame
- All necessary hoses and fittings
- Return line header

Install Force America 5100EX Spreader Controller including the following:

- A fully-integrated, all-in-one spreader control
- Manual, open- and closed-loop controller modes
- Accurate application of granular and liquid pre-wetting materials
- Compact, rugged design with intuitive navigation and comfort
- Integration with PreCise MRM AVL/GPS including antenna and harnesses for both chassis, controller, 1015263 Finassy control box and RoadWatch cable

Install Custom Chassis Lighting & Electrical including the following:

- Install Star mo. 9016A-LED light bar in front of tarp system wind deflector
- Install rear light bar including LED marker light kit with LED backup lights and LED oval amber warning lights & LED stop/turn tail lights (mounted in outside holes)
- Backup alarm
- Electrical disconnects for attachments will be located behind cab/ driver's side

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OEM switches will be used for the following:

Front flashers
Rear flashers

InPower switch console includes the following:

PTO on (Override)
Hoist up
Hoist down
Jib in
Jib out

Indicator lights in console include the following:

PTO on indicator
Low oil indicator

Install Miscellaneous including the following:

Install tower assembly with stainless steel cabshield, permanently mounted to the chassis
Install prybar holder (see photo for mounting) on vertical tower assembly, passenger-side
Install Roll-Rite manually-operated semi-automatic tarp system with mesh-type tarp cover on cabshield
Install poly fender kit with mudflaps
Install RoadWatch Kit for Force America 6100 sensor mounted on tower assembly, driver-side

Install Conspicuity Tape as necessary on chassis and attachments

Install ¾" Rear Hitch Plate including the following:

Class IV receiver tube
D-rings for safety chains
7-way round electrical connector

Install Electric Brake Controller

Install Pro-Vision TV-205A Rearview Camera System including the following:

Infrared VLI series night-vision camera and 5" LCD display (does not include wash system)
LED backlighting and wired to be "always on" to view rear traffic
Rearview camera mounted at rear on rear lightbar
5-year limited warranty

Install Western 8.5' Pro Plus Front Plow including the following:

Electric / Hydraulic power unit
Frame attaching mounting brackets
UltraMount hitch assembly
Plow lights and all necessary wiring
Handheld controller
Rubber snow deflector mounted on top of the moldboard

Above chassis-installed equipment price: \$46,760.00 ea.

Base Attachment #1

Install 10' Crysteel E-Tipper Dump Body including the following:

Dump body attachment on 10' SwapLoader subframe SL-105 with rear heavy-duty steel drum wheels
120" length, 87" inside width
16" side height, 22" tailgate
9" x 35" flame-cut window
Crossmemberless design
Boxed top rail
10 gauge body sides and ends constructions

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7 gauge A1011 floor construction
Sloped running boards
3-panel tailgate construction with quick-drop design
Body shall be painted Red
Drop-down sides with bumpers

Base Attachment #1 installed pricing: \$7,770.00 ea.

Base Attachment #2

Install 10' Flatbed Stake Rack Body including the following:

Hook and skid assembly to fit SwapLoader SL-105
Four (4) steel drum rollers installed in the end of the bed deck
10' long deck plus 18" beavertail, 91" wide deck
96" OD wide flatbed includes a 1/4" treadplate deck
Custom understructure, 2" x 6" outer rail, 56" open center
1/4" stake pockets and 2-1/2" x 3/8" outside tie rail
Tie rail terminated to stake, rear row of stake pockets on flat area before beaver tail
50" x 96" front bulkhead with 24" solid bottom panel
Window built into bulkhead with 24" high expanded metal screen
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
Install conspicuity tape along tie rail

Base Attachment #2 installed pricing: \$13,845.00 ea.

Base Attachment #3

Install 11' Arbortech Forestry Chipper Body including the following:

Hook and skid assembly to fit SwapLoader SL-105
Steel drum rollers at the end of the skid assembly
132" long, 96" wide, 60" inside height (14.75 cu yard capacity)
Body Construction:
3" structural channel crossmembers @ 4.1 lbs. per ft.
Longsills will be a SwapLoader skid assembly
10 ga. galvaneal floor
Two 7" x 1/2" formed channel as with rear upright support posts
Two 7 ga. corner gusset plate with light pockets
One 4" x 4" x 1/4" rear support tube
Side panels:
12 ga. galvaneal steel flat sides with inside vertical reinforcements
Side panel radius:
12 ga. galvaneal steel 5" formed radius at top
Front panel:
12 ga. galvaneal steel flat panel with formed seams
Top panel:
14 ga. galvaneal steel latitudinal ribs with formed rooftop rib vents
Tailgate:
16 ga. galvaneal steel double-walled
Hold open retainer
Right-hand swing 270 degree with locking pin

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24"/30" high, two 4" long heavy-duty welded hinges, 3/4" bolt pins and sleeves with grease zerks

Lighting and Paint:

Seven 2.5" side marker clearance ID lights with reflective lenses

Two 2.5" front marker clearance lights

Paint:

One-color Red, paint code required

Undercoating on underside of floor and wheel wells

Coal tar epoxy treatment on interior of box

Three-year "No Rust, No Bust" warranty

Skid:

Body attachment on 11' SwapLoader subframe with 54" hook height

Rear heavy-duty steel drum wheels

Install electric plug and extend wiring harmer from rear of the body to front corner, equip with 7-way plug

Install two (2) round SoundOff LED STT light in upper rear corners, wire to plug

Install two (2) round SoundOff Amber LED flashers in upper rear corners, wire to plug

Install LED clearance light kit and wire to the plug

Base Attachment #3 installed pricing: \$12,925.00 ea.

Base Attachment #4

Install 10' Monroe V-Box Spreader including the following:

10' Swaploader subframe SL-105 galvanized drum roller kit at the rear

Monroe MD-120-50-38 Stainless steel V-box with pre-wet

7" auger with step-flighting

Tip-up spinner with stainless steel winch

Stainless steel catwalks

LDS455 exhaust flow pre-wet system

Twin 35 Gal. liquid tanks

Bulk fill kit and flusher kit

Low liquid switch kit for low liquid shut down

Top screens installed on the V-box

Install fold-down stainless steel ladder, front of V-box on passenger-side

Install two-hole 6" oval stainless steel lightboxes, one each side for green flashers & STT lights

Stainless steel pipe kit plumbed down the side of V-box to front with hydraulic disconnect couplers

All necessary wiring extended from the front for disconnect

Base Attachment #4 installed pricing: \$18,000.00 ea.

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: 240-300 days ARO

Thank you for the opportunity to quote.

Respectfully submitted by,
Jon Luea/Brian Bowman