



CITY OF NOVI CITY COUNCIL
OCTOBER 7, 2019

SUBJECT: Consideration of approval to purchase a 2020 Ford F-550 Chassis from Signature Ford, through the Macomb County Cooperative Purchasing Contract, and the Swaploader upfits to be completed by Truck and Trailer Specialties through the City of Rochester Hills RFP contract, in the amount of \$117,186.

SUBMITTING DEPARTMENT: Department of Public Works, Fleet Asset & Field Operations
Division

EXPENDITURE REQUIRED	\$117,186
AMOUNT BUDGETED	\$130,000
APPROPRIATION REQUIRED	\$0
LINE ITEM NUMBER	101-442.20-984.021

BACKGROUND INFORMATION: The Novi City Council appropriated funding this fiscal year for the purchase of a one-ton dump truck and swaploader system with dump body and v-box attachments for DPW's Field Operations Division. These smaller yet versatile dump trucks are used on a year-round basis for a variety of tasks ranging from winter maintenance to patching roads. Because this vehicle is equipped with a Swaploader system, it can quickly attach and switch between multiple accessories allowing one truck to perform work it would normally would require multiple specialized trucks to perform. This will be the fifth Swaploader in the city's fleet. The following are a list of versatile jobs that can be completed using different attachments:

- Transporting landscaping materials to job sites
- Hauling trailers and equipment
- Transporting tools and personnel
- Winter maintenance (plowing)
- Moving park equipment

The completed unit is estimated to be delivered in August 2020.

RECOMMENDED ACTION: Approval to purchase a 2020 Ford F-550 Chassis from Signature Ford, through the Macomb County Cooperative Purchasing Contract, and the Swaploader upfits to be completed by Truck and Trailer Specialties through the City of Rochester Hills RFP contract, in the amount of \$117,186.



September 19, 2019

City of Novi
Attn: Mike Rhatigan
45175 W. Ten Mile Road
Novi, MI 48375

Attn: Mike Rhatigan:

Price on 2020 Vehicle State of Michigan Contract# 071B7700180 and Macomb County Contract# 21-18 Bid:

(1) 2020 Ford F550 Regular Cab 4x4 Chassis 84" WB, 169" WB \$36,801.00 ea

Standard Service Contract: 36,000 miles or 36 months factory Bumper to Bumper Warranty and 60,000miles 60 months Powertrain Warranty . Service to be handled by your local Ford Dealer.

Order Cutoff Date: TBD.

Ford Motor Company does not guarantee delivery---Ford Motor Company will make reasonable efforts to schedule orders received prior to fleet order cut-off date.

Payment requirements: All departments to pay on delivery of vehicle. 30-day grace period will be given if previous arrangements have been made. A \$9.50 per day floor plan will be charged if payment is not at the dealership within 30 days of delivery of the vehicle (s).

If you have any questions please call me, 888-92-FLEET (923-5338)

Respectfully Submitted,

Bill Campbell

Bill Campbell
Government & Fleet Sales

Macomb Co# 21-18. T.13
2020 F-550 DRW-Chassis Cab
Reg. Cab, SuperCab, Crew Cab
Major Standard Equipment

MECHANICAL

- Brakes – Four-wheel Disc Brakes; Anti-lock Brake System
- Electronic-Shift-On-the-Fly (ESOF) (4x4 only)
- Engine
 - 7.3L 2V DEVCT NA PFI V8 Gas (F-450/F-550)
- Transmission – Ten-Speed Automatic Transmission with Selectable Drive Modes: Normal, Tow/Haul, Eco & Deep Sand/Snow_

EXTERIOR

- Bumper – front, black painted
- Doors
 - Two (Regular Cab only)
 - Four (SuperCab/Crew Cab only)
- Fender vents – front
- Front License Plate Bracket
- Fuel Tank
 - 40 gallon aft axle (F-350 DRW/F-450/F-550)
- Glass – solar-tinted
- Grille – black painted
- Manual Locking Hubs (4x4)
- Scuff plates – front, color-coordinated
- Splash Guards/Mud Flaps – Front (F-450/550 only)
- "Three Blink" Lane change signal
- Tow-hooks – front (2)
- Trailer wiring – 7 wire harness w/relays, blunt cut & labeled
- Tires 225/70R19.5G BSW A/P
- Wheels
 - F-450 & F-550 – 19.5" Argent Painted Steel
- Manual Locking Hubs (4x4)
- Windshield Wipers – intermittent

INTERIOR/COMFORT

- 2.3" Productivity Screen in IP Cluster Instrumentation Center – Multifunction switch message center display with Ice Blue® Lighting
- 12V Powerpoint, auxiliary
- Air conditioning – single-zone, manual
- Air conditioning vents – black w/chrome ring and knob
- Cabin Air Particulate Filter
- Convenience
 - Coat hooks, LH/RH color-coordinated
 - Dash top tray
 - Dome lamp – LH/RH door activated & I/P switch operated w/delay
 - Handles, grab – driver & front-passenger
 - Handles, roof ride – front-passenger (also over rear-doors on Crew Cab)
 - Map lights – dual (front and rear w/Crew Cab)
 - 12V Powerpoint, auxiliary
- Door-trim – armrest/grab handle and reflector
- Floor covering – black, full length vinyl
- Gauges and Meters – Fuel, Transmission Temperature, Engine Coolant Temperature, Oil Pressure (Gas engine) and Turbo (Diesel engine) Gauges; Speedometer, Odometer and Tachometer
- Headliner – color-coordinated cloth
- Instrument panel – color-coordinated w/dual glove boxes, four (4) air registers w/positive shut-off and powerpoint
- Instrumentation Center
 - 2.3" LCD Productivity Screen in IP Cluster
- Mirror – rearview 11.5" day/night
- Outside Temperature Display

- Seat – Front, HD vinyl, 40/20/40 split bench w/center armrest, cupholder and storage (manual lumbar – driver's side)
- Steering damper
- Steering – power
- Steering wheel – black urethane with tilt and telescoping steering wheel/column; includes three (3) button message control
- Sun visors – color-coordinated vinyl, driver w/pocket, passenger w/uncovered mirror insert with 6 inch overhead
- Upfitter switches – 6 located in Overhead Console
- Window – Rear, fixed

SAFETY/SECURITY

- AdvanceTrac® with RSC® (Roll Stability Control™)
- Airbags
 - Driver and Passenger frontal and side airbag/curtain
 - Passenger side airbag deactivation switch
- Child tethers (Regular Cab front-passenger and all rear-seating positions)
- Headlamps – Quad beam jewel effect halogen
- Lamps – LED Roof marker/clearance
- Mirrors – manually telescoping two-way fold trailer tow with manual glass
- Safety Belts
 - Belt-Minder® (front safety belt reminder) – chime and flashing warning lights on I/P if belts not buckled
 - Color-coordinated safety belts w/height adjustment (front/outboard seating positions only)
- Safety Canopy® System (incl. side-curtain airbags)
- SecuriLock® Passive Anti-Theft System (PATS)
- SOS Post-Crash Alert System™
- Stationary Elevated Idle Control (SEIC)
- Underhood service light

DRIVER ASSIST

- AutoLamp – Auto On/Off Headlamps
- Automatic High Beam_
- FordPass™ Connect 4G Wi-Fi Modem
 - 4G LTE Wi-Fi hotspot connects up to 10 devices1
 - Remotely start, lock and unlock vehicle2
 - Schedule specific times to remotely start vehicle2
 - Locate parked vehicle2
 - Check vehicle status2
- SYNC®
 - Enhanced Voice Recognition Communication and Entertainment
 - 911 Assist®
 - 4.2" LCD Center Stack screen
 - AppLink®
 - Smart-Charging USB-C port – one (1)

FUNCTIONAL

- Alternators:
 - 7.3L 2 Valve Gas – 240 AMP
 - 6.7L 4 Valve OHV Power Stroke® V8 Turbo Diesel – 220 AMP
- Audio – AM/FM stereo (four (4) speakers)
- Hood release
- Horn – dual electric
- Intelligent Oil-Life Monitor® (6.7L Power Stroke® Diesel engine)
- Shock absorbers – heavy-duty gas
- Springs, rear auxiliary
- Stabilizer bars – front & rear

18,000# GVWR, 11,500 PAYLOAD Reg. Cab 145 WB, CA 60", 18,000# GVWR, 11,200 PAYLOAD
 Base Price (F5G/660a) 4x2 **\$30,863.00**
 Base Price (F5H/660a) 4x4 **\$33,412.00**

18,000# GVWR, 11,400 PAYLOAD Reg. Cab WB 169, CA 84", 18,000# GVWR, 11,100 PAYLOAD
 Base Price (F5G/660a) 4x2 **\$31,017.00**
 Base Price (F5H/660a) 4x4 **\$33,561.00**

18,000# GVWR, 11,300 PAYLOAD Reg. Cab 193 WB, CA 108", 18,000# GVWR, 11,000 PAYLOAD
 Base Price (F5G/660a) 4x2 **\$31,170.00**
 Base Price (F5H/660a) 4x4 **\$33,714.00**

18,000# GVWR, 11,100 PAYLOAD Reg. Cab WB 205, CA 120", 18,000# GVWR, 10,700 PAYLOAD
 Base Price (F5G/660a) 4x2 **\$31,323.00**
 Base Price (F5H/660a) 4x4 **\$33,872.00**

18,000# GVWR, 11,100 PAYLOAD SuperCab WB 168, CA 60", 18,000# GVWR, 10,800 PAYLOAD
 Base Price (X5G/660a) 4x2 **\$32,873.00**
 Base Price (X5H/660a) 4x4 **\$35,944.00**

18,000# GVWR, 11,000 PAYLOAD SuperCab WB 192, CA 84", 18,000# GVWR, 10,700 PAYLOAD
 Base Price (X5G/660a) 4x2 **\$33,026.00**
 Base Price (X5H/660a) 4x4 **\$36,098.00**

18,000# GVWR, 10,900 PAYLOAD Crew Cab WB 179, CA 60", 18,000# GVWR, 10,600 PAYLOAD
 Base Price (W5G/660a) 4x2 **\$33,627.00**
 Base Price (W5H/660a) 4x4 **\$36,698.00**

18,000# GVWR, 10,800 PAYLOAD Crew Cab WB 203, CA 84", 18,000# GVWR, 9,900 PAYLOAD
 Base Price (W5G/660a) 4x2 **\$33,780.00**
 Base Price (W5H/660a) 4x4 **\$36,856.00**

<u>Available Standard Options</u>	<u>Option</u>	<u>Price</u> <u>Reg.&Super/CrewCab</u>
<input type="checkbox"/> 6.7L Power Stroke 4V Diesel V8 (B20)/10-Spd Auto.	99T/44G	10,495.00
<input type="checkbox"/> CNG/LPG Fuel Capable Engine (w/ 6.8L only)	98G	315.00
<input type="checkbox"/> Engine Block Heater	41H	90.00
<input type="checkbox"/> Seats, 40/20/40 Split Bench Cloth	1S	100.00/315.00
<input type="checkbox"/> Seat, Vinyl 40/Mini-Console/40 (Regular Cab only)	LS	355.00
<input type="checkbox"/> Seats, Cloth 40/Mini-Console/40	4S	515.00/615.00
<input type="checkbox"/> LT225/70Rx19.5G BSW Traction, incl. 4-Traction on the rear & 2 A/S tires on the front, Option Spare is A/S	TGM	190.00
<input type="checkbox"/> LT225/70Rx19.5G BSW Max Traction-4x4 only, Continental, Incl. 4-traction tires on the rear & 2 traction tires on the front-	TGK	215.00
<input type="checkbox"/> Stainless Steel Wheel Cover	945	380.00
<input type="checkbox"/> Engine Idle Shutdown (avail. w/6.7L diesel Only) 15-Minutes	86C	250.00
<input type="checkbox"/> Engine Idle Shutdown (avail. w/6.7L diesel Only) 20-Minutes	86D	250.00
<input type="checkbox"/> Operator Commanded Regeneration (OCR) (6.7L Diesel Only)	98R	250.00
<input type="checkbox"/> Rapid-Heat Supplemental Cab Heater (6.7L Diesel Only)	41A	250.00

<input checked="" type="checkbox"/>	Transmission Power Take-Off Provision	62R	280.00
<input type="checkbox"/>	Axle, Limited Slip	X4N/X4L/X8L	360.00
<input checked="" type="checkbox"/>	Power Windows, Locks, Heated Mirrors, and Remote Keyless Entry	90L/54K	915.00/1125.00cc
<input type="checkbox"/>	Privacy Glass with Heated Backlight/Rear Window Defrost (Requires Power Equipment 90L/54K)	43B/924	90.00
<input type="checkbox"/>	Utility Lighting System (LED Side-mirror Spotlights Requires Power Equipment Group 90L/54K)	63A	160.00
<input type="checkbox"/>	Speed Control	525	235.00
<input type="checkbox"/>	XL Decor Group (Chrome front bumper)	17F	220.00
<input type="checkbox"/>	XL Value Pkg (Chrome front and rear step bumper, & Cruise Control)	96V	725.00
<input type="checkbox"/>	Daytime running Lights	942	45.00
<input type="checkbox"/>	2-Ton Mechanical Jack	61J	55.00
<input type="checkbox"/>	Spare Tire & Wheel-Includes 2-ton mechanical jack	512	350.00
<input type="checkbox"/>	Dual Alternator 397 amp w/Dual Batteries (7.3L Gas Only)	67B/86M	325.00
<input type="checkbox"/>	Dual Alternator 397 amp (6.7L Diesel Only)	67B	115.00
<input type="checkbox"/>	Dual Batteries (78 Amp.) (Gas Engine Only)	86M	210.00
<input type="checkbox"/>	110V/400W Outlet (Includes Dual Alternators 397 amp (67B))	43C/67B	290.00
<input checked="" type="checkbox"/>	Upfitter Interface Module	18A	295.00
<input type="checkbox"/>	Skid Plate Transfer Case 4x4 only (SuperCab & CrewCab Only)	41P	100.00
<input type="checkbox"/>	Fuel Tank- 28 Gallon Mid-Ship-Replaces 40 gal. aft-axle tank	65M	125.00
<input type="checkbox"/>	Fuel Tank-Dual Diesel (Adds 28 Gal. Mid-Ship to the 40 Gal.Aft.)	65C	625.00
<input type="checkbox"/>	Keys Extra (Regular) \$75.00 x ___ =	Sig	75.00 ea
<input type="checkbox"/>	Keys Extra (With Power Group) \$220.00 x ___ =	Sig	220.00 ea
<input type="checkbox"/>	Trailer Tow Package High Capacity- Req.6.7L Diesel & 4.30 LS Rear Axle , has after market trailer brake wiring kit, No brake controller included, Increases GCWR on diesel engine from 26,000# to 28,000#	535	1,080.00
<input checked="" type="checkbox"/>	Payload Upgrade Package (7.3L V8 & 145" WB Only, Inc. 4.88 LS Axle, Increases GVWR from 18,000# to 19,000#)	68U	1175.00
<input type="checkbox"/>	Payload Plus Upgrade Package(N/A w 145"WB w/Gas Engine, Inc. 4.88 LS Axle, Increases GVWR from 18,000# to 19,500#)	68M	1515.00
<input type="checkbox"/>	Low Deflection Package-recommended for rear-biased loading, such as wreckers/retriever application, N/A with 141" WB	86S	110.00
<input type="checkbox"/>	Integrated Trailer Brake Controller	52B	270.00
<input type="checkbox"/>	Cab Steps-Black Molded	18B	320.00/445.00
<input type="checkbox"/>	Extra HD Front End Suspension – GAWR 7,500 lbs	67P	285.00
<input type="checkbox"/>	Extra Heavy Suspension Package(N/A 67H or 473)	67X	125.00
<input type="checkbox"/>	Suspension Package, Heavy Service(N/A 67X or 473)	67H	125.00
<input checked="" type="checkbox"/>	Snow Plow Prep Package (Includes Dual Batteries (86M), and Dual Alternators 397 amp (67B). Not Available w/Option Codes 67H or 67X Suspension Packages)	473/86M/67B	575.00
<input type="checkbox"/>	Exterior Back up Alarm	76C	140.00
<input type="checkbox"/>	Rearview Camera Prep Kit (Includes Loose Camera, Wiring Bundle, and Electrochromic Mirror w/Video Display)	872	415.00
<input type="checkbox"/>	LED Warning Strobes-Amber	91S	655.00
<input type="checkbox"/>	Ambulance Prep Package(6.7L Diesel Engine Only)	47A	1205.00
<input type="checkbox"/>	Audible Lane Departure Warning with Pre-Collision Assist with Automatic Emergency Braking and Forward Collision Warning	60C/94P	230.00
			Total Price \$36,801.00 ea

Colors for F-550

<u>Exterior Colors</u>	<u>Interior Steel (Grey)</u>	
Race Red	[PQ]	[x]
Blue Jeans Metallic	[N1]	[]
Iconic Silver Metallic	[JS]	[]
Agate Black	[UM]	[]
Oxford White	[Z1]	[]
Magnetic Metallic	[J7]	[]
Stone Gray	{D1}	[]
SPECIAL PAINT		
School Bus Yellow Add \$660.00	[BY]	[]
Omaha Orange Add \$660.00	[MB]	[]
Green Gem Add \$660.00	[W6]	[]

TRUCK & TRAILER *Specialties, Inc.*

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

August 30, 2019

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

Equipment Quotation

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

Chassis: 2020 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 & snowplow prep package

Install SwapLoader hooklift 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 and 1015263 Finassy control box
- ARC wireless temperature sensor in lieu of RoadWatch

Install Custom Chassis Lighting & Electrical including the following:

- One (1) SoundOff Pinnacle (mo. EPL7PDPC) amber/green mini lightbar on cab roof 3rd brake light bracket
- Rear stainless steel 3-hole lightboxes including LED marker lights and LED 6" oval SoundOff backup lights, one (1) of each oval solid-amber & solid-green flashers and STT lights (mounted in outside holes)
- Two (2) 4" Weldex LED work lights mounted rear-facing on bottom of lightboxes
- Proximity switch for body-up indicator light

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Backup alarm

Electrical disconnects for attachments will be located behind cab/driver's side

Additional 7 way plug mounted at the street side rear lightbox for previous build attachments lighting and jib disable wire

Chassis wired for V-box mounted Vibrator with weatherproof cover

OEM switches will be used for the following:

Chassis flashers

Attachment flashers

Work lights

InPower switch console includes the following:

Hoist up

Hoist down

Jib in

Jib out

Pump override

Vibrator

Indicator lights in console include the following:

Low oil indicator

PTO on indicator

Body-up indicator

Install Miscellaneous including the following:

Install poly fender kit

Install ARC wireless temp sensor chassis-mounted

Install Conspicuity Tape as necessary on chassis and attachments

Install WeatherTech Floor Liners, 1st row, Black (mo. 4410541V)

Install Luverne Grip-Step Foot Rails for Regular Cab on both sides (mos. 415060 & 401721)

Install ¾" Rear Hitch Plate including the following:

Class IV receiver tube

D-rings for safety chains

7-way RV electrical connector

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' 6" 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

Disc shoe kit

Above chassis-installed equipment price: \$48,220.00 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

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120" length, 87" inside width
16" side height, 22" tailgate
10-gauge body sides and ends constructions
Drop-down sides with bumpers
7-gauge A1011 floor construction, crossmemberless design
9" x 35" flame-cut window
Boxed top rail
Sloped running boards
3-panel tailgate construction with quick-drop design
Body shall be painted Red

**Install Roll-Rite manually-operated semi-automatic tarp system including a mesh-type tarp on dump
Base Attachment #1 installed pricing: \$10,165.00 ea.**

Base Attachment #2

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

Attachment mounted to skid assembly for SwapLoader SL-105 (36" loop height)
Galvanized drum roller kit at the rear
Monroe MD-120-70-46 (4.7 cubic yard capacity) stainless steel V-box with pre-wet
6" single auger with 4" pitch
Tip-up spinner with stainless steel winch
Stainless steel catwalks
LDS455 exhaust flow pre-wet system
Twin 35-gallon liquid tanks (70-gallon total capacity) with stainless steel mounting
Dual tank crossover hose kit, spray bar kit in auger trough
Low-liquid switch kit for low-liquid shutdown
3/8" top grates installed on the V-box
Inverted-V to prevent tunneling
Install fold-down stainless steel ladder, front of V-box on passenger-side
Install Cougar vibrator (mo. TDC12-1100-2M)
Install 2-hole stainless steel lightboxes, one (1) of each oval solid-amber & solid-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 #2 installed pricing: \$22,000.00 ea.

Payment Terms: Net 30. Pricing effective for 45 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: 240-280 days ARO

Thank you for the opportunity to quote.

Respectfully submitted by,
Jon Luea/Brian Bouwman