



REQUEST FOR BID
 Date: 01/14/13
 Bid: 13-0070

Page 1
 RETURN BY OPENING TIME TO:
 Purchasing Division
 RM 100 City Hall
 411 West 1st Street
 Duluth, MN 55802

Ariel Bucket Truck

Buyer: Dennis Sears
 Phone: 218-730-5003
 Fax: 218-730-5922

BID OPENING, RM 100 AT 2:00 PM ON, Tuesday, February 5, 2013

Note: All bids must be written, signed, and transmitted in a sealed envelope, plainly marked with the bid number, subject matter, and opening date. The City of Duluth reserves the right to split award where there is substantial savings to the city, waive informalities and to reject any and all bids. Bidder should state in proposal if bid is based on acceptance of total order. Sales tax is not to be included in the unit price. Bidder to state freight charges if, proposal is F.O.B. shipping point, freight not allowed. Low bid will not be the only consideration for award of bid. All pages must be signed or initialed by authorized bidder's representative as indicated at the bottom of the page(s) of the request for bid.

OFFICIAL SEALED BID

Designated F.O.B. Point

Tax: Federal Excise Tax Exemption
 Account No. 41-74-0056 K

Item No.	Qty	U/OM	Description	Unit Price	Total Price
01	1	ea	Complete Aerial Bucket Truck with fiberglass body and cab and chassis per attached specifications and drawings. Specifications are not meant to be specific to particular make or model. Minor variations in sizes are expected.		

Vendor E-mail Address _____ Freight Charges N/A

Name _____
 Addr _____

Total Bid Price _____
 (To include any additional pages)

Payment Terms _____

By: _____

F.O.B. Point Dest.

(print title)

Delivery Date N/A

(signature) (tele#)

City of Duluth

One (1) Aerial Device to include the following:

- 45 foot working height.
- 40 foot ground clearance (ground to bottom of bucket).
- 29'7" horizontal reach at 16.5' high elevation
- Standard platform capacity 350 lbs
- Hydraulic bucket rotator offering 180 degrees articulation, even with the jib in the working position.
- Engine start/stop from bucket and lower controls within the C-2 compartment.
- Continuous rotation
- Six (6) gallons per minute open center hydraulic system.
- Side mounted telescopic upper boom for low stowed bucket fiberglass inner boom.
- Fiberglass lower boom insert, providing 12" insulation gap and including accommodations to bridge insulation gap for testing per ANSI A92.2-1990.
- Inner boom finished with white urethane paint over a white gelcoat.
- Non-lube bearings used throughout.
- One set of hydraulic tool outlets at bucket with couplers.(Parker FF series)
- Integral hydraulic oil reservoir with dual sight gauges and 17-gallon capacity.
- Closed 24"x 30"x 42" fiberglass bucket with toe space (3-sides) include one (1) curbside step and one step on the backside.
- 180 degree basket rotation, from left side of boom to right side.
- Master/slave hydraulic leveling with upper & lower control to tilt for clean-out or rescue.
- Lift eye on lower boom
- Upper boom storage cradle with overcenter type tie down clamp.- Cradle to have a padded guide - see print.
- Mounting hardware.
- White enamel paint.
- Safety harness and lanyard.
- Two (2) operator/service manuals.
- ANSI A92.2-1990 data plate.
- Single lever control including safety trigger, emergency stop/dump valve.

- A-frame outriggers with control valve outrigger/boom interlock in tailshelf.
- H- frame outriggers at the rear-curbside to be behind rear compartment and street side to be behind the horizontal compartment ahead of the basket (see print.)
- Momentary switch to control the Emergency_12 volt DC hydraulic system, with control from basket & lower controls within the C-2 compartment.
- Manual throttle control at bucket and in the C-2 compartment.
- Jib Pole, socket and winch package for up to 1000-lbs. lift capacity.
- Jib to provide ample clearance for the basket to pass completely under it, from one side of the boom to the other side.
- Keep curbside of cargo bed as free as possible of equipment.
- Jib to be easily removable when not needed. (Parker FF series couplers)
- Manual jib articulation (tilt) to be 90 degrees with 36" manual extension.
- 80 feet of ½" nylon rope with safety hook.
- 2 - 7 GPM pumps and PTO's to fit Allison transmission.
- Coil spring type bucket support/rest to be removable.
- Removable cradle for large pole transportation (see print).
- Vinyl bucket and control cover (must be a bright color).
- Mount full pressure valve bank in the inside of C-2 compartment to control the winch up and down, rotation, platform leveling, lower boom, outer boom, inner boom, upper / lower control selector.
- Removable step on tailshelf to assist entering and exiting bucket (see print detail).

One (1) Brand FX Fiberglass Service Body Model BFXB-84 LS (or approved equal) to include these standard features:

- 132" long x 42" high x 94" wide, with 20" deep compartments.
- Side packs constructed of molded, coremat and klegecell reinforced polyester resin.
- Doors constructed of molded, klegecell reinforced, polyester resin with built in fiberglass truss to prevent warpage.
- Stainless steel recessed rotary slam latches (keyed alike).
- Heavy-duty automotive grade closed cell weather-stripping.
- Removable wheel well panels.

- Stainless steel heavy duty hinges.
- Stainless steel bolts, lock nuts and washers throughout.
- Matching color non-skid surface incorporated with compartment tops.
- Plastic coated, removable steel cable restraints on doors.
- Recessed tail and back-up lights (shock mounted) (LED).
- Recessed shock mounted clearance lights. (LED)
- License plate light with license plate mounting studs.
- Aluminum diamond brite plate floor with 4" kick panels along cargo walls.
- 5" structural steel sub-frame (longitudinal and cross members meshed integrally).
- 3/16" smooth aluminum front dash plate.
- All steel is metal etched, primed and painted.
- Permanent Bright "Max Guard" (**high performance**) gelcoat (Oxford White).
- Black poly recessed fuel tank filler street side.
- Aluminum diamond brite rock guards at front of body.
- Protective loom for wiring.
- 3/16" aluminum 32" diamond plate tailshelf with recessed walk up on curbside.
- Aluminum pool type grab rail- curb side and streetside (2-total see print) 30" tall.
- 18" chrome grab handle curb side.
- Recessed walk-up cargo access-curb side with 20" wide gripstrut cable step (tool circuit behind curb side steps with Parker FF couplers).
- Install gripstrut step on street side and curbside per print with a chain or cable hung step below skirt, and maintain 14" road clearance.
- Four (4) aluminum jack pad holders. 2-each side (see print).
- Four (4) aluminum jack pads.
- Electronic back-up alarm.
- ECCO model 7970A LED dual amber beacon mounted street side on aluminum pedestal.
- Install twenty (20) amber flashers per print (all flashers and beacons to be on a common switch).
- Rear mud flaps.
- All electrical functions are mounted on a common switch panel with illuminated and labeled rocker switches in the cab.
- 2" Pintle/Ball hitch mounted into a receiver tube.(removable type)
- Safety chain rings.

- Wheel chock holders-2 in curb side fender panel and 2 per print on streetside.
- Four (4) Highway Sur-grip aluminum wheel chocks with handles and teeth.
- Install one (1) Go-lite #3067 on passenger side of hood.
- Triangle/Flare kit-mounted behind cab seat.
- 5# ABC fire extinguisher and clamp bracket mounted on jack leg housing in S1 compartment.
- Tool circuit in curb side step area.
- Add three (3) pockets on rear deck tailshelf for removable implements. (Refer to Print)
- Cover all hydraulic hoses in cargo area with aluminum plate. (i.e. outriggers and generator).
- Mount a model AMPS 0661X 6000 watt (or approved equal) (factory wired for 110 volt only) hydraulic generator on the roadside cargo body above the S1 compartment. Mount the hydraulic reservoir in a protected and guarded area along side the pedestal behind the cab.
- Install the power cord from the generator to the S1 compartment.
- Install a steel protective device around the hydraulic generator.
- Have all exposed electrical connections heat shrunk and sealed.
- Install a 8/4 type W power cord continuous and unspliced between compartments S1 and C2. The City of Duluth will supply the cord to the builder. Allow 5' of cable inside of each compartment when measuring. The City of Duluth will furnish and install the service panel in S1 and the sub-panel in C2, after the truck is delivered to the CITY OF DULUTH.
- Build up springs on rear axle for crane.
- Furnish and install a 16,000 ft lb Liftmoore Model no. 1640X-20 crane (or approved equal) to include boom storage cradle, control pendant, radio remote control, hydraulic extension and rotation.
- Install rope lighting on two (2) sides and on top of each compartment all on a common switch, install the switch inside of the cab.
- Install a warning light in a prominent position of the dash to indicate if the lower boom is not fully lowered.
- Provide an electrical one-line diagram for the ignition safety circuit.
- Provide a drawing showing physical locations of any sensors, relays, limit switches, etc... for the ignition safety circuit.

INDIVIDUALIZED COMPARTMENTATION

CURB SIDE

C1 - Two (2) fiberglass adjustable shelves

C2 - Valve bank, generator panel gauges and selector switch. Power cord from S1 compartment.

C3 - 18-drawer small parts cabinet.

C4 - Reinforced crane structure w/20,000 ft lb capacity.

STREET SIDE

S1 - Two (2) fiberglass adjustable shelves.

S2 - Six (6) swivel/locking hooks (1-4-1).

S3 - Vacant

S4 - Delete for basket storage and extend floor.

- Stowed height not to exceed 11'6" (Specify height _____)
- Completed mounting length not to exceed 25' (Specify length _____)

TOTAL PRICE AS DESCRIBED, FOB DULUTH, MN \$ _____

APPLICABLE TAXES INCLUDED \$ _____

CITY OF DULUTH

Minimum Chassis Specifications:

- 2014 IHC Terrastar SFA (4X2) Chassis
- 84" C/A – 158" W/B
- 19,500lb GVWR
- 7,000 lb front axle with stabilizer bar
- 13,500 lb rear axle with limit slip – code 14ACN & 14888
- 6-speed auto transmission with PTO provision (Allison 1000 RDS)
- Power steering
- Trailer tow mirrors (adjustable telescopic)
- 40 gallon fuel tank – right side under cab
- Maxx Force 7 300 HP diesel engine with 660 lb ft torque
- Speed control/tilt steering wheel

- Air conditioning
- Six (6) aggressive tread tires
- 4.88 rear ratio
- Two (2) cab entry steps
- Cloth high back driver seat and two (2) man passenger seat
- Electric Brake Control Accommodation Package
- Electric Brake Controller
- Front tow hooks
- AM/FM radio
- Cigar Lighter
- Dual cup holders
- Hydro boost brakes
- Drivers and passenger air bags
- 2 speed wipers/washers (intermittent)
- Halogen head lamps
- 157 amp alternator
- Two (2) MF 1300 CCA batteries mounted under cab
- Winter white paint with clear coat finish No. 9219
- Argent front bumper
- Upfitter switches (6) CodeAAB
- (6) 225/70R 19.5 tires (aggressive tread in rear)
- Body builder wiring – Code BHAB
- Power windows and locks – 16WJU
- Black breakaway heated mirrors with convex both sides – Code 16SDL
- Throttle control – Code 60AJG
- Engine throttle control – Code 12VAZ
- Engine remote start/stop – code 60ABC

TOTAL PRICE AS DESCRIBED, FOB DULUTH, MN

\$ _____