

Legal Notice  
Notice of Bid

The Board of Commissioners of the Berwyn Park District invites prospective bidders to bid on the following item:

Supply and installation of a telescopic and articulating aerial personnel lift to be installed on a Ford F-550 Truck Chassis supplied by the Berwyn Park District

Specifications are available at the office of the Berwyn Park District, 3701 S. Scoville, Berwyn, Illinois, between the hours of 9:00a.m. and 4:00p.m., Monday through Friday..

Bids for the vehicle should be submitted in sealed envelopes marked, **“Supply and Installation of Lift Truck Equipment”**

Sealed bids will be received until 10:00 am. Thursday, July 2, 2015 at the Berwyn Park District Administrative Office, at which time and place the bids will be publicly opened.

Bids will be considered by the Board of Commissioners of the Berwyn Park District at the next Board meeting.

The Berwyn Park District reserves the right to reject all or any bids and waive irregularities in any bid.

Dated this 10th Day of  
June 2015

Berwyn Park District

By: \_\_\_\_\_  
Jeffrey S. Janda CLP  
Executive Director

**Berwyn Park District**  
**DTAXS-39 AERIAL PERSONNEL LIFT AND UTILITY BODY BID**  
**SPECIFICATIONS**

**GENERAL:**

The following bid specification are for the supply and installation of a telescopic and articulating aerial personnel lift to be installed on a Ford F-550 Truck Chassis to be supplied by the Berwyn Park District.

The unit shall be the latest current model of standard design manufactured, complete with all standard equipment, special tools and warranties

The Aerial Personnel Lift must be designed and all components selected and used according to sound engineering principles. All completed units shall comply and be tested in accordance with all applicable O.S.H.A. ANSI, FMVSS standards and regulations.

**IMPORTANT NOTES:**

1. All bidders must submit with their proposal sufficient literature to show compliance with specifications. Any deviations from specifications must be clearly indicated in writing at the time the proposal is submitted. Bidder to initial in the Comply space to indicate that the bid submission complies with specifications as listed in each section.
2. The Park District reserves the right to waive minor variations in specifications bid. The bidder must include all applicable (the Berwyn Park District is exempt from sales tax) fees in the bid. A Certificate of Exemption will be supplied with the purchase order to bidder that is awarded the contract.
3. Bidders are to state your earliest delivery date as requested. This date may be an important factor in award determination. The vehicle shall be completely serviced as recommended by the manufacturer prior to delivery to the Park District, and shall be delivered ready to start.
4. The original report of sale shall accompany the vehicle upon delivery to the Park District. The name and address of delivery and on the dealer's report of sale shall be Berwyn Park District, 3701 S. Scoville Avenue, Berwyn, Illinois 60402.
5. Bids may be withdrawn only by a written request to the Park District. The withdrawal of a bid does not prejudice the right of the bidder to file a new bid. Whether or not bids are opened exactly at the time fixed in the public notice for opening bids, a bid will not be received after that time nor may any bid be withdrawn after the time fixed in the public notice for opening of bids. If the bidder claims a mistake was made in a bid, the bidder shall give the Park District written notice within five (5) days after the opening of the bids of the alleged mistake, specifying in the notice, in detail how the mistake occurred.
6. All bidders shall verify if any addendum for this purchase has been issued by the Park District. It is the bidder's responsibility to ensure all requirements of a contract addendum

are included in the bidder's submittal. The successful bidder shall submit a certificate of insurance showing compliance with the enclosed insurance requirements. This insurance shall be maintained at all times during the course of any resulting agreement. The award will be made to the lowest responsible bidder whose bid complies with the specifications in a manner satisfactory to the Park District's best interests. The right is reserved by the Park District to reject any or all bids, or to waive any informality or minor irregularity in the bids. Payment shall be made in full within 30 days following acceptance of the bid.

7. Delivery shall be F.O.B. destination
8. Successful Bidder to supply Berwyn Park District with Drop Ship Code for delivery of chassis to lift installation location upon availability from manufacturer.
9. Bidder is responsible for vehicle from time of receipt until possession is taken by the Park District.

**MANUFACTURER AND MODEL NUMBER:**

Indicate manufacture and model number of the aerial device quoted, installed, tested, and delivered to Berwyn Park District, 3701 Scoville Avenue, Berwyn, Illinois 60402

**CHASSIS DATA:**

The chassis to be supplied by Berwyn Park District shall be minimum 19500 lbs. G.V.W. R. 7000 lbs. G.A.W.R Front Axle with PTO provision, 84" cab to axle, Regular Cab, 4 X 2 drive and dual rear wheels. Unit will have a 157 amp alternator and a 650 amp battery.

The engine on the chassis is the 6.8L V10 code 99Y with an automatic 5 speed transmission code 44T option 62 R.

Bidder certifies that the above chassis will accommodate and work with the proposed lift unit.

Comply \_\_\_\_\_

**GENERAL DATA:**

	<b>DTAXS-39</b>
Working Height, Minimum	44'
Horizontal Reach	28'
Horizontal Reach (no rotation-fixed bottom mount side hung basket)	26'
Approx. Stowed Travel Height:	10'
Extension Boom Travel:	108"
Main Boom Travel:	-25° to +78°
Articulating Boom Travel:	-2° to +80°

Basket Capacity: 350 lbs.\*  
Installed Weight (Approx.): 2450.lbs

Comply: \_\_\_\_\_

The completed unit shall be certified as passing A.N.S.I. A92.2 stabilization tests without outriggers and successful bidder shall demonstrate these capabilities upon delivery.

Comply: \_\_\_\_\_

**TORSION BAR:**

**Rear Level Ride Torsion Bar**

Install a Level Ride Manufacturing Co. stabilizer bar to enable complete unit to comply with the aerial device stability requirements of Section 4.5 of ANSI A92.2-2009 specifications. The torsion bar shall be attached to the rear axle of the chassis. Please specify position of torsion bar

\_\_\_\_\_  
Comply: \_\_\_\_\_

**Front Stable Ride Torsion Bar**

Install a Stable Ride stabilizer bar to enable complete unit to comply with the aerial device stability requirements of Section 4.5 of ANSI A92.2-2009 specifications. The torsion bar shall be attached to the front axle of the chassis. Please specify position of torsion bar

\_\_\_\_\_  
Comply: \_\_\_\_\_

**MAIN BOOM:**

The main boom shall be constructed of 6" X 8" rectangular high strength steel tubing. The section of the main boom that houses the internal cable track shall be expanded to 6" X 12" to allow the hoses and cable track to operate above minimum bend requirements. The minimum travel shall be from 25° below horizontal to 78° above horizontal. The 25° below horizontal movement of the main boom shall allow the operator to place the basket on the ground.

The upper and lower support wear pads must be of 1/4" thick UHMW polyethylene. Side support wear pads must be threaded adjustable wear pads made of UHMW polyethylene. Wear pads must be replaceable without disassembly of boom sections.

Comply: \_\_\_\_\_

**EXTENSION BOOM:**

The inner boom shall be made from 5" x 7" rectangular high strength steel tubing. A duplex 110-volt outlet with weatherproof cover shall be mounted to the end of the boom and wired to a male plug at the pedestal area. The inner wear pads must be of threaded adjustable UHMW polyethylene. A hydraulic cylinder shall accomplish the telescopic action of the extension boom. The use of chains or cables to extend is not acceptable.

Comply: \_\_\_\_\_

**ARTICULATING ARM:**

The Articulating arm shall be made from 6" x 6" square high strength steel tubing. The articulating arm movement shall be from -2° to +80° from horizontal. At no point in travel can the boom or

knuckle extend beyond the width of the chassis mirrors. The articulating arm shall be compensating in design to maintain constant main boom angle during the elevation of the articulating arm.

Comply: \_\_\_\_\_

**PEDESTAL:**

The pedestal shall be a structural box shape and include the hydraulic reservoir, electrical and hydraulic components. An adequate opening shall be provided by a door or cover to allow access to the internal components. A hydraulic reservoir fill indicator shall be clearly visible and labeled to indicate the condition of the oil level. The pedestal shall be machined flat for installation of the shear ball rotation bearing. The pedestal structure must be of a single piece design and bolted directly to the lift subframe. Risers and spacers are not acceptable.

Comply: \_\_\_\_\_

**TURNTABLE:**

The turntable shall be constructed of high strength structural plate. The turntable shall be designed to resist all torque loads. All pivot points for the booms and cylinders shall be line bored to allow for proper alignment.

A 17" diameter shearball rotation bearing is required. Bearing races shall be heat-treated and sealed to prevent entry of dirt and moisture and be equipped with readily accessible pressure (zerk) lubrication fittings. The rotation shall be driven by a worm gear, reduction gearbox. A means of adjustment shall be included to provide for proper gear backlash. The rotation system will be self-locking in the event of hydraulic failure. The input shaft shall be machined with an extended hexagon design to allow for manual rotation. Rotation will continuous..

Comply: \_\_\_\_\_

**SUBFRAME:**

A subframe shall be secured to the vertical section of the vehicle frame and provide adequate strength to withstand the load of the aerial lift.

Comply: \_\_\_\_\_

**BOOM SUPPORT:**

A boom support shall be provided to support the aerial lift booms in the transport position. An over-center clamping device, shall secure the booms to the support for road transport.

**PTO AND PUMP:**

The unit will be powered by a PTO and pump mounted to the automatic transmission as supplied by Berwyn Park District

**HYDRAULICS & CONTROLS:**

The hydraulic system shall be designed as an open center hydraulic system. All hydraulic components including the 10-gallon hydraulic reservoir shall be housed with-in the aerial lift pedestal. The reservoir must be equipped with a drain plug, filler cap, air filter vent, sight level gauge, baffle system and shut-off valve at the outlet. A 10-micron return filter shall be installed as close to the reservoir as possible and must be accessible for maintenance. A pressure relief valve must be built into the system to prevent overload. The pressure relief must be set at 2250 P.S.I.

Aerial device shall be equipped with basket and turntable mounted control stations. Individual control levers at both the upper control station and the lower control station shall automatically return to neutral position when released.

The controls shall use full pressure proportional hydraulic valves. In order to prevent inadvertent actuation of the boom position controls at the basket, the use of an unlocking device shall precede the use of the control itself and shall be maintained simultaneously during the use of the controls. When either control is released, boom movement stops and oil flow is redirected to the reservoir. The basket mounted control station shall permit the operator to control all boom movement; chassis start and stop controls, and emergency backup functions.

The turntable mounted lower control valve overrides the upper control valve. It shall be capable of maintaining override of the upper control valve while unattended.

The aerial lift shall be powered by a hydraulic pump, which produces up to 5 GPM. The hydraulic system will also include a 12-volt D.C. emergency backup system. The D.C. motor and pump delivers 1.4 GPM.

All hydraulic hoses shall be placed within a cable track located inside of the main boom. Hoses shall be protected against abrasion, twisting, and normal wear.

Hydraulic hoses shall have a 4 to 1 safety factor from operating to burst pressure.

Comply: \_\_\_\_\_

**JOYSTICK CONTROL**

A one-hand joystick control with trigger activation will be used to operate the upper controls. Boom movement can not occur if the trigger is not activated. With the booms stowed in the rest, the control handle is oriented so the operator will operate with the joystick handle in the right hand when facing away from the truck. Pulling up on the joystick handle is to raise the main boom. Pushing down on the joystick is to lower the boom. Pulling the joystick back is to retract the extension boom. Pushing the joystick forward extends the extension boom. Pushing the joystick to the right or left rotates the booms. Twisting the joystick handle forward or back is to raise the articulating boom.

Comply: \_\_\_\_\_

**UPPER CONTROL LOCKOUT:**

An upper control valve lockout shall be available for the basket-stow and basket-rotation valve section. The lockout requires releasing a mechanical lock prior to the movement of the valve handle to allow single hand operation.

Comply: \_\_\_\_\_

**HYDRAULIC CYLINDERS:**

The main boom double action lift cylinder shall have a minimum 3-1/2" bore. The extension boom double action cylinder shall have a minimum 2" bore. The articulating arm double action cylinder shall have a minimum 3-1/2" bore. Holding valves shall be attached to each cylinder to prevent boom creep and to lock the cylinders in the event of line failure. Hydraulic cylinders shall have welded and threaded end caps for maximum safety. Piston shaft shall be highly polished chrome finish.

Comply: \_\_\_\_\_

**BASKET:**

**WALK-IN BASKET: (24" X 30")**

The basket shall be a 24" X 30" X 42" side mounted, square molded fiberglass. Entry is gained by a side entry, walk-in opening. A latching door assembly is supplied with 2 removable pouches attached to the door.

Comply: \_\_\_\_\_

The basket shall be automatically leveled as the main boom raises. The hydraulic basket leveling shall incorporate two enclosed loop, leveling cylinders, and appropriate valving. A control valve to stow/trim the basket shall be located at the upper controls and is optional at the lower override controls. The basket stow requires simultaneous activation with the locking valve to prevent inadvertent movement. A hydraulic basket rotator shall rotate the basket 180° about the end of the boom from curbside to streetside. A control valve located at the upper controls shall control the rotation.

Comply: \_\_\_\_\_

**VINYL BASKET COVER: (24" X 30")**

A basket cover shall be provided that completely covers the top molded lip of a standard 24" X 30" X 42" basket. The cover must be of a good quality vinyl material and shall include an elastic cord or band to keep the cover secured to the basket. A strap with latching hook shall be permanently attached to the cover to allow for securing to the boom tip, preventing accidental loss.

Comply: \_\_\_\_\_

**FULL BODY HARNESS: (Supplied with the lift)**

A full body harness made of 1 3/4" type 13 nylon webbing. Shoulder straps have friction slide adjuster. The waist and chest straps use friction-style buckles for positive securement. Leg straps

have tongue and buckles with grommets holes. A 4' X 1/2" nylon-filament rope lanyard with double latching hooks is provided. Comply: \_\_\_\_\_

**MISCELLANEOUS MECHANICAL FEATURES:**

All boom pivot points shall be constructed of high alloy steel (130,000 PSI yield strength minimum). All pins shall require a Nitrotech furnace treatment. The pin results in a hardness range of Rc 64 to 71 with a finish of 40-µin. All pivot points shall be equipped with replaceable fiberglass reinforced teflon bearings. No lubrication shall be required. Comply: \_\_\_\_\_

**MANUALS:**

Each unit shall include a separate operator's manual and a separate parts/maintenance manual. There must be two sets of manuals for each unit. Comply: \_\_\_\_\_

**UTILITY BODY DATA:**

**133.25" inches long x 40 inches high x 94 inches wide Service Body  
Chassis cab to axle (CA) of 84 inches with dual rear wheel axle.**

**Body Dimensions:**

- 40 Inches - Compartment height
- 20 Inches - Compartment depth
- 54 Inches - Load space width
- 24 Inches - Top of body to the top of the floor
- 18.25 Inches - Horizontal compartment height

Comply: \_\_\_\_\_

**Steel Body Materials**

- Galvannealed Steel. - Main body material
- Hot rolled treadplate - Compartment tops
- Galvanneal - Inner door panels
- Galvanneal - Outer door panels
  - Stainless Steel continuous rod - Door Hinge Rod.
  - Stainless Steel - Door Hinge Sockets.
- Galvanneal - Wheel Panels
- Galvanneal - Front bulkhead
- Galvanized - Shelving installed for infinite adjustment.

Comply: \_\_\_\_\_

**Body Floor and Understructure:**

- Cut out in bed area floor for aerial
- Hot rolled treadplate - Floor
- Structural steel channel full frame.

Comply: \_\_\_\_\_



**Accessories:**

- Stainless Steel automotive rotary type door latches.
- Spring loaded door holders on all vertical hinged doors and chain stops on horizontals.
- Automotive Bulb Type Weatherstripping.

Comply: \_\_\_\_\_

**Paint:**

- Prime and Paint Completed to match aerial lift and chassis.

Comply: \_\_\_\_\_

**Streetside Compartmentation**

**1st Vertical:**

- 34.5" Wide x 40" High x 20" Deep
- Two (2) adjustable shelves each with adjustable dividers

**2nd Vertical:**

- 21" Wide x 40" High x 20" Deep
- Two (2) adjustable shelves each with adjustable dividers

**Horizontal Compartment:**

- 52.75" Wide x 18.5" High x 20" Deep
- Open Compartment

**Rear Vertical:**

- 25.25" Wide x 40" High x 20" Deep
- One (1) adjustable shelf with adjustable dividers

Comply: \_\_\_\_\_

**Curbside Compartmentation**

**1st Vertical:**

- 34.5" Wide x 40" High x 20" Deep
- Two (2) adjustable shelves each with adjustable dividers

**2nd Vertical:**

- 21" Wide x 40" High x 20" Deep
- Two (2) adjustable shelves each with adjustable dividers

**Horizontal Compartment:**

- 52.75" Wide x 18.5" High x 20" Deep
- One (1) bolt in shelf with adjustable dividers

**Rear Vertical:**

- 25.25" Wide x 40" High x 20" Deep

-- One (1) adjustable shelf with adjustable dividers

Comply: \_\_\_\_\_

**Tailgate:**

- Tailboard brackets installed at rear of body

Comply: \_\_\_\_\_

**Tailshelf:**

30" Long x 94" Wide Steel Treadplate with walkup access steps curbside.

- Grab Handle to be placed rear of service body curbside.

Comply: \_\_\_\_\_

**Tailshelf Rear Lighting:**

- Rubber mounted recessed rear lighting kit
- Two (2) stop/tail/turn
- Two (2) clear back up lights
- Two (2) side clearance lights bullet style
- Two (2) rear clearance lights bullet style
- Three (3) light center bullet style

Comply: \_\_\_\_\_

**ACCESSORIES**

**Cab Gaurd**

Steel expanded metal with 2" tubing frame covering the top of cab and hood.

Comply: \_\_\_\_\_

**Strobe Bar**

Steel Metal with 2" tubing bar mounted to the aerial lift with placements for a pair of strobe beacons.

Comply: \_\_\_\_\_

**Two LED Strobe Beacons**

Star Model 255HTCI Class High intensity 360 degree LED beacons mounted on each side of strobe bar.

Comply: \_\_\_\_\_

**Four Corner Strobe System**

Star Model DLX-121-AA LED surface mount strobe system, with two strobes mounted in front grill and two strobes mounted at rear of tailshelf at each corner.

Comply: \_\_\_\_\_

**Inclinometer**

Inclinometer installed.

Comply: \_\_\_\_\_

**Back up Alarm**

Star Model 64-102 102db single tone alarm for back up.

Comply: \_\_\_\_\_

**Roadside Safety Kit**

Fire extinguisher to be installed in utility body rear compartment streetside and curbside.  
Reflector Kit to be placed in utility body front curbside compartment.

Comply: \_\_\_\_\_

**Service Center**

A service center with a parts inventory shall be located within 20 miles of the City of Berwyn.

Comply: \_\_\_\_\_

**Warranty**

The lift shall have a two-year parts and labor warranty.

Comply: \_\_\_\_\_

**Total Cost Supplied, Installed, Tested, and Delivered:**

**\$:** \_\_\_\_\_

\_\_\_\_\_  
(Write in dollar amount)

Proposed delivery date: \_\_\_\_\_

Signature of Authorized Representative: \_\_\_\_\_

Title: \_\_\_\_\_

Corporate Seal