



## Tree Committee of the Spokane Park Board

Tuesday, September 1, 2015, 4:15 p.m. – 5:45 p.m.  
Willow Room, Woodland Center  
John A. Finch Arboretum  
3404 W. Woodland Blvd., Spokane, Washington  
Angel Spell – Urban Forester

### Committee Members:

Lauren Pendergraft – Chairperson  
Preston Potratz  
Guy Gifford  
Garth Davis  
Kevin Cash

A regular meeting of the City of Spokane Park Board will be held at 4:15 p.m. on Tuesday, September 1, 2015, Willow Room, Woodland Center, John A. Finch Arboretum, 3404 West Woodland Boulevard, Spokane, Washington.

The meeting will be conducted in a standing committee format for the Tree Committee of the City of Spokane Park Board. Because a quorum of the Park Board may be present, the standing committee meeting will be conducted as a committee of the whole board.

The meeting will be open to the public, with the possibility of moving into executive session only with the members of the Park Board and appropriate staff. Discussion will be limited to appropriate officials and staff. Public testimony may be taken at the discretion of the committee chair.

## AGENDA

### Action Items:

1. Recommend approval for purchase of Versalift aerial lift (\$84,123.07)
2. Recommend approval for purchase of Freightliner M2-106 truck chassis (\$80,591.99)

### Discussion Items:

1. UF Management Plan Framework — *Angel Spell*
  - a. [stakeholder interview questions](#)
  - b. comments on draft UFMP document outline
2. 2016 Budget update – *Angel Spell*
3. Staff Report for July and August – *Angel Spell*

### Standing Report Items:

1. Citizen Advisory Committee Report – *Guy Gifford*
2. Research & Data Reports – *Angel Spell*
3. Urban Forestry Financial Report (July) – *Angel Spell*

**Please note:** Agenda is subject to change. **AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION:** The City of Spokane is committed to providing equal access to its facilities, programs and services for persons with disabilities. Individuals requesting reasonable accommodations or further information may call, write, or email Christine Cavanaugh at (509) 625-6383, 808 W. Spokane Falls Blvd., Spokane, WA, 99201; or [ccavanaugh@spokanecity.org](mailto:ccavanaugh@spokanecity.org). Persons who are deaf or hard of hearing may contact Ms. Cavanaugh at (509) 625-6383 through the Washington Relay Service at 7-1-1. Please contact us forty-eight (48) hours before the meeting date.

DAVID A. CONDON  
MAYOR



CITY OF SPOKANE - PURCHASING  
808 W. Spokane Falls Blvd.  
Spokane, Washington 99201-3316  
(509) 625-6400

## REQUEST FOR BID

City of Spokane, Washington

BID NUMBER: 4164-15

DESCRIPTION: AERIAL MANLIFT WITH UTILITY BODY (Re-Bid)

DUE DATE: MONDAY, AUGUST 10, 2015  
No later than 1:00 p.m.

City of Spokane - Purchasing  
4<sup>TH</sup> Floor, City Hall  
808 W. Spokane Falls Blvd.  
Spokane WA 99201-3316

BID SUBMITTED BY:  
COMPANY VERSALIFT NORTHWEST, L.L.C.

MAILING ADDRESS P.O. Box 21415  
Waco, TX 76702-1415

PHYSICAL ADDRESS 1200 TEXAS CENTRAL PKWY  
Waco, TX 76712

PHONE NUMBER 254-420-5330

FAX NUMBER 254-776-8025

E-MAIL ADDRESS scott@timemfg.com

*Ulea Prince*

Purchasing

CITY OF SPOKANE REQUEST FOR BIDS

PART I. PRICING PAGE

TO: PURCHASING, CITY OF SPOKANE  
 BID NAME: AERIAL MANLIFT WITH UTILITY BODY  
 BID NO: 4164-15

The undersigned agrees to furnish the following items at the prices stated, subject to the conditions and requirements of this Bid.

ITEM NO.	QTY	DESCRIPTION	UNIT PRICE	TOTAL
1.	1 OR MORE	AERIAL MANLIFT WITH UTILITY BODY MAKE BID: <u>VSW</u> MODEL BID: <u>V0-255-REV</u> YEAR BID: <u>2016</u>	76,604.00	76,604.00
TOTAL				

(DO NOT INCLUDE SALES TAX)

BID AWARD WILL BE TO THE LOW RESPONSIVE BIDDER WITHOUT CONSIDERATION OF SALES TAX.

PAYMENT: Net 30 days

PAYMENT: Supplier will accept credit card as a form of payment for this order: ☒ YES ☐ NO

DELIVERY: We (I) will deliver complete the above items within 240-270 days from receipt of order.

F.O.B. Delivery Point: 1410 N. Normandie Street, Spokane WA

ACCEPTANCE: The signing and submittal of Part 1 of this proposal shall be an indication of acknowledgement and acceptance of these terms and conditions and compliance shall be part of the bidders' proposal.

Firm Name: VERSALIFT NORTHWEST, L.L.C. Signature: Kenneth Ripley

Mailing Address: P.O. Box 21415 By: KENNETH RIPLEY  
 (Type or Print)

Waco, TX 76702-1415 Title: SALES COORDINATOR

Phone: 254-420-5330 Date: 8/7/15

Please indicate person to be contacted by the City concerning item(s) being bid:

NAME: SCOTT ELLSON TELEPHONE: 503-964-0684

#### BUSINESS REGISTRATION REQUIREMENT

Section 8.01.070 of the Spokane Municipal Code states that no person may engage in business with the City without first having obtained a valid business registration. The Vendor shall be responsible for contacting the State of Washington Business License Services at <http://bls.dor.wa.gov> or 1-800-451-7985 to obtain a business registration. If the Vendor does not believe it is required to obtain a business registration, it may contact the City's Taxes and Licenses Division at 509-625-6070 to request an exemption status determination.

CITY OF SPOKANE BUSINESS REGISTRATION NUMBER: \_\_\_\_\_

#### ORGANIZATION

Proposal of an ( ) individual ( ) partnership ☒ corporation organized and existing under the Laws of the State of TEXAS.

#### ADDITIONAL ITEMS

The City of Spokane reserves the right to purchase additional items at the bid price. Vendor agrees to sell at the same price, terms and conditions.

YES ☒ NO \_\_\_\_\_

If yes, prices are good until further notice.

#### INTERLOCAL PURCHASE AGREEMENTS

The City of Spokane has entered into Interlocal Purchase Agreements with other public agencies pursuant to RCW 39.34. In submitting a response the vendor agrees to sell additional items at the bid price, terms and conditions to the City of Spokane and other public agencies contingent upon the seller's review and approval at the time of a requested sale. Any price de-escalation/escalation provisions of this bid proposal shall apply in the case of a sale of additional items. Seller's right to refuse to sell additional items at the time of request shall be absolute.

#### ORIGINAL EQUIPMENT MANUFACTURER

State name(s) and address(es) of Original Equipment Manufacturer (OEM) and distributors (if applicable) to be used in the production and delivery of your product.

NAME	ADDRESS	ZIP
<u>VERSALLET NORTHWEST, L.L.C., 1200 TEXAS CENTRAL PKWY, 76712</u>		
_____		
_____		

#### MINORITY BUSINESS ENTERPRISE

Vendor (is\_\_\_\_, is not ☒) a Minority Business Enterprise. A Minority Business Enterprise is defined as a "business, privately or publicly owned, at least 51% of which is owned by minority group members." For purpose of this definition, minority group members are Blacks, Hispanics, Asian Americans, American Indian or Alaskan Natives, or Women.

#### SMALL BUSINESS

Vendor (is\_\_\_\_, is not ☒) a small business concern. (A small business concern for the purpose of government

Bid #4164-15

8/10/15

procurement is a concern, including its affiliates, which is independently owned and operated, is not dominant in the field of operations in which it is bidding on government contracts, and can further qualify under the criteria concerning number of employees, average annual receipts, or other criteria as prescribed by the Small Business Administration).

#### **NON-COLLUSION**

The Bidder certifies that his/her firm has not entered into any agreement of any nature whatsoever to fix, maintain, increase or reduce the prices or competition regarding the items covered by this bid invitation.

### **PART II. SPECIFICATIONS**

#### **SECTION I. GENERAL INSTRUCTIONS**

1. These specifications will establish minimum acceptable requirements attempting to take advantage of latest developments.
2. The items to be furnished by the Vendor on this bid must be of the latest possible design and production.
3. More than one Make/Model may be bid if a separate technical section is completed for each Make/Model.
4. The items bid, with possible different options may either be leased or purchased by the City of Spokane or other governmental entity pursuant to RCW 39.34
5. The unit, as specified, and all equipment, standard and optional, shall be completely assembled, adjusted, installed, and ready for use when delivered.
6. Time is of the essence in the performance of this contract after a delivery schedule is established.
7. Brochures to be included with bid proposal forms.
8. References to be included with bid proposal forms.
9. The Vendor must be able to service any items purchased by the City of Spokane. The Vendor, therefore, must:
  - be an authorized factory dealer for the area including the City of Spokane; or
  - submit a 100% Performance Bond for the life of the equipment; or
  - provide satisfactory proof by the manufacturer that service will be guaranteed.
10. The Vendor must have service experience with the items and an adequate supply of parts and supplies within a 20 mile distance or twenty-four (24) hour response/delivery of the City of Spokane.
11. Vendors should be aware that bids would be rejected if all questions are not completely and correctly answered.
12. Vendor must acknowledge each specification shown in Section III, Technical Specifications, as follows:
  - A. **"To Be Supplied" Column**  
Vendor will initial when the product offered is equal to or better than the individual specification. State your exact capabilities if different from specification stated or a tolerance is given.
  - B. **"Exceptions" Column**  
Explain all exceptions to specification as stated. **NOTE:** All equivalents (substitutes) require explanation. (Use additional paper with reference to item number and respective question (number)).
13. Signature on this proposal by the bidder will confirm acknowledgement of receipt and understanding of

general terms and conditions.

14. Any questions concerning this bid should be directed to: Gene Jakubczak, Director, Fleet Services Department (509) 625-7865 or gjakubczak@spokanecity.org.

## SECTION II. SPECIAL INSTRUCTIONS

The City of Spokane, Fleet Services Department, invites sealed bids for the supply of an aerial manlift and utility body.

1. It is the intent of these specifications to describe an aerial manlift and utility body to be mounted on a new truck chassis. The chassis will be provided by the City of Spokane.
1. Discontinued models and components are not acceptable. Vehicle shall be of current manufacture only.
2. The omission of any standard feature described herein shall not void the bidder's responsibility to furnish a complete unit with all standard equipment of the manufacturer's latest model and design.
3. The following documents shall be furnished to Fleet Services at the time of delivery: Manufacturer Statement of Origin, Original Invoice and Title Application filled out to: City of Spokane, Fleet Services Dept., 1410 North Normandie, Spokane, WA 99207 and an odometer statement, if required.
5. Successful bidder shall furnish standard warranty as well as any other warranty required in the bid specifications along with statement as to where and how such warranty work will be performed. See Page 9.
6. Federal and State laws governing this machine and its final certification must be satisfied.
7. It shall be the Vendor's responsibility to conform to all Federal Standards for certification.
8. Delivery time shall be a consideration of awarding this contract. Therefore the City requests a completed delivery date **within 120 days of receipt of the truck chassis by the vendor or within 120 days of the issuance of purchase order, whichever is later.**
9. **All freight expenses shall be the responsibility of the winning vendor.** However, the final F.O.B. point shall be 1410 N. Normandie, Spokane, Washington. No payment shall be made until acceptance of the entire order.
10. The following specifications are the minimum acceptable specifications and failure to comply may be used as a basis for rejection of the bid.
11. If the equipment differs from the provisions contained herein, these differences must be explained in detail.
12. Bidders must complete the blanks to indicate compliance or state exception.
13. Vendors found to have "overstated" the true ability of their units shall reimburse the City for all costs incurred with remanufacturing of units until criteria has been satisfied. These costs shall also include legal, rentals, travel, etc.
14. The City reserves the right to accept or reject any part of or all bids, and to accept the bid deemed to be in the best interest of the City.

15. I acknowledge receipt and compliance with the above special instructions.

FIRM VERSALIFT NORTHWEST, L.L.C.

AUTHORIZED SIGNATURE [Signature]

TITLE SALES COORDINATOR

### SECTION III. TECHNICAL SPECIFICATIONS

Please refer to Section 1, Paragraph 12, Page 3, of this specification for instructions for completion of the "To be Supplied/Exceptions" portion of this section.

MINIMUM SPECS. CALLED FOR	TO BE SUPPLIED	EXCEPTIONS
<b>AERIAL LIFT SPECIFICATIONS</b>		
<b>PLATFORM</b>		
The fiberglass platform shall be 24 in. x 24 in. x 39 in. deep with inside and outside step for easy access. The platform capacity shall be a minimum of 350 lbs.	✓	
<b>SINGLE STICK UPPER CONTROL</b>		
The full pressure single stick control shall include a safety trigger to prevent inadvertent operation. The lift movements will correspond with control lever movements. An emergency stop control shall be provided.	✓	
<b>HYDRAULIC TOOLS</b>		
Two sets of hydraulic tool ports (two pressure ports and two return ports) to be included at the upper controls. A pressure-reducing valve to be used to limit the tool pressure. This valve is preset at 2,000 psi (140 kg/cm <sup>2</sup> ), but can be adjusted to the desired tool pressure. The tool circuit shall provide a 7 gpm flowrate.	✓	
<b>MECHANICAL PLATFORM LEVELING</b>		
Platform leveling is to be achieved automatically through a completely enclosed parallelogram system. The major components of this system shall include ½" diameter fiberglass leveling rods, and #60 high strength roller chain. No cables are to be used in this system. The fiberglass leveling rods will maintain the insulation gaps in all boom positions and are to be tested at twice the rated load. The tension shall be adjusted by means of a turnbuckle in the upper and lower boom and platform leveling to be adjusted by another threaded rod at the turret.	✓	
<b>LOWER BOOM</b>		
The lower boom shall be designed and constructed from high strength steel plate, forming a 10" x 12" rectangular tube. Boom articulation to be 125° from horizontal to 35° past vertical. Articulation to be achieved by using a double-acting hydraulic cylinder equipped with two integral holding valves. In the event of a hydraulic failure, the integral holding valves shall prevent the booms from dropping by locking the booms in position. In addition, the cylinder rod eye is to be both threaded and welded.	✓	

MINIMUM SPECS. CALLED FOR	TO BE SUPPLIED	EXCEPTIONS
<b>CHASSIS INSULATING SYSTEM (LOWER BOOM INSERT)</b>		
Each end of a high strength filament-wound epoxy resin fiberglass is to be inserted into the steel boom sections. A fiberglass insert will maintain a 24" insulation between the two steel sections. The steel and fiberglass sections are to be bonded with pressure-injected adhesive, to fills all the voids. After the adhesive cures, 8 bolts to be installed to ensure maximum strength. A stainless steel stud is to be supplied at each end of the insert to shunt the chassis insulating system during electrical testing.	✓	
<b>TURRET</b>		
The turret wings are made of high strength steel plate. The 1 1/4" turret base plate is to be machined to provide a flat surface to support the rotation bearing.	✓	
<b>CONTINUOUS ROTATION</b>		
Rotation is continuous and unrestricted in either direction. This is to be accomplished by a hydraulically driven worm and spur gear with a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are to be grade 8 hex head cap screws. These critical bolts are to be torque seal marked to provide a quick means of detecting any turning of the bolt upon inspection. An eccentric ring gearbox mounting allows for precise adjustments to the gearbox to pinion clearance.	✓	
<b>INSULATED UPPER BOOM</b>		
The rectangular upper boom shall taper from 8" x 12" at the elbow end to 8" x 10" at the platform end and is to be constructed of high strength filament-wound epoxy resin fiberglass. The fiberglass shall have a gel coat and a high gloss durable urethane finish for added weather protection and water beading. A steel weldment is to be inserted into the fiberglass at the elbow end of the boom then adhesive is to be pumped in under pressure to fill all voids. The fiberglass boom is to be certified for 46KV and below in accordance with ANSI A92.2 Category C dielectric rating requirements. The upper boom shall articulate a total of 270° (245° for VO-260) relative to the lower boom. A side by side boom design will allow low travel height and improved platform access. The upper boom articulation is to be accomplished by a double acting hydraulic cylinder and 4-bar mechanical linkage. The system shall not use any cables and the booms shall be capable of stowing in any sequence. A double acting holding valve is to be provided. An upper boom storage cradle mounted on the turret will be furnished to assure solid boom support in the stowed position. A ratchet-type boom tie-down strap is to be included.	✓	
<b>LUBRICATION</b>		
Non-lube bearings to be used at most points of motion. Only the rotation bearing and extension chain shall require lubrication.	✓	



MINIMUM SPECS. CALLED FOR	TO BE SUPPLIED	EXCEPTIONS
<b>PEDESTAL</b>		
The reverse mount pedestal to be mounted behind the cab. The reverse mount pedestal is to be a fabricated steel structure with a reinforced mounting plate. The pedestal mounting hardware is to be a long bolt system, which clamps the full depth of the frame. The hydraulic oil reservoir for each pedestal option is to be built integral to the pedestal. The top plate of the pedestal is 1 1/4" thick and machined flat to support the rotation bearing.	✓	
<b>DECK</b>		
The reverse mount pedestal requires a deck (43" x 92") to mount behind the cab. The deck will include outrigger valve panels.	✓	
<b>CYLINDERS</b>		
Both the upper and the lower cylinders shall be a threaded head-cap design. Both boom cylinders are to be equipped with two integral holding valves to prevent creep down and lock the booms in position in case of hose failure. All holding valves are to be recessed into the base of the cylinders to provide protection from falling objects. When stowed, both cylinder rods shall be retracted, protecting them from damage and rust.	✓	
<b>CONTROL VALVES</b>		
Full pressure hydraulic control valves at the platform and turret control rotation, upper boom, and lower boom movements to be provided. The upper control shall be the Unitrol single stick. The lower controls are to be equipped with a selector valve to override the upper controls and also serve as the emergency stop for the upper controls. The outriggers are to be operated by separate control valves located with the ground controls. On reverse mounted units, an additional control valve is to be provided to operate a dump body. Hydraulic tool power tool be provided at the upper controls and optional at the ground controls.	✓	
<b>HOSES AND FITTINGS</b>		
The hoses, routed through the booms, are to be high pressure and non-conductive with swaged hose end fittings. Retainers shall separate the hoses inside the booms to prevent chafing and nylon sleeves are to be installed over hoses at points of movement. Reusable fittings to be installed if a hose is damaged.	✓	
<b>ELECTRICAL INSULATION SPECIFICATIONS</b>		
The outer/inner boom assembly is to be tested and certified for electrical work at 46 KV and below in accordance with ANSI A92.2 requirements. It is to be fully insulated even in a retracted position. The chassis insulating system (lower boom insert) is also to be tested according to ANSI A92.2. Vacuum prevention for all the hydraulic hoses routed through the insulated booms is to be included.	✓	
<b>SLOPE INDICATORS</b>		
Slope indicators shall be installed to indicate the level of the rotation bearing relative to the ground.	✓	
<b>MANUALS</b>		
Two operator's manuals and two service manuals are to be included.	✓	

MINIMUM SPECS. CALLED FOR	TO BE SUPPLIED	EXCEPTIONS
<b>Arbortech/Stahl (or equal) - Chipper Body per the following specifications;</b>		
146" L x 60" H x 96" W chip box with cutout including: . LH Interior ladder box with pruner shelf and rear door . 24" H swing to side tailgate . Coal tar interior . Undercoated . 5" H long sills . Light package . White in color (Freightliner) . "L"-shaped tool box with 17" L return boxes . Adjustable shelves and eight rope hooks . White in color . Subframe hoist with 5" cylinder less hydraulics . Square tube cab guard with HD formed front bumper . Adapter plate for Versalift supplied boom crotch . 4-point LED strobes (2) front of cab guard (2) rear of chip box . Step assy. . Bolt on grab handle for top of cab guard . Two (2) 20" x 20" x 6" pad holders	X           ✓	RH  FOR SAFETY CONCERNS
<b>INSTALLATION DETAILS</b>		
Furnish and install mounting hardware, PTO, and pump . Install VERSALIFT VO-255-REV . Furnish and install chipper body and accessories . Furnish and install park brake interlock . Furnish and install slope indicators . Furnish and install backup alarm . Furnish and install mudflaps . Furnish and install travel height decal in the cab . Furnish and install rear chassis spring . Paint treadplate deck with black no-skid . Furnish 5 lb. fire extinguisher and 3-piece triangle reflector kit . Furnish two (2) DICA 18" X 18" X 1" outrigger pads . Furnish chassis programming . Test ride completed unit for 1 hour . Test and Certify per ANSI A92.2-2001	✓	

## OPTIONS

The City requests the price and availability of the following options. These options may or not be ordered; the City will notify the successful bidder at the time that the order is placed what options, if any, will be required. **Do not include the price of these options in your bid price. Indicate the option price in the space provided.**

1. TruGuard with the Single Stick Controls between the boom and platform in lieu of single stick controls away from pedestal. \$1,398.00
2. TruGuard Controls mounted on platform in lieu of Single Stick Controls Away from Pedestal. \$ 996.00
3. 12V Emergency Power \$ 644.00

## WARRANTY INFORMATION

Warranty shall be delayed start. Warranty will not begin until the units are placed into service by the City of Spokane as indicated by the Maintenance Management System used by Fleet Services.

Please complete the following warranty tables.

BASIC WARRANTY	Miles	Months	Hours	%Coverage
Manlift unit	N/A	12	N/A	SEE ATTACHMENT
Service Body	N/A	12	N/A	SEE ATTACHMENT

## SECTION IV. BID PREPARATION AND EVALUATION

### 1. PREPARATION OF BIDS

All bids shall be typed or printed in ink on the form furnished by the Purchaser and signed by an authorized person of Bidder's firm. If errors are made, they may be crossed out. Corrections shall be printed in ink or typewritten adjacent and initialed in ink by the person signing the bid. IF THE BIDS CONTAIN ANY OMISSION, ERASURES, ALTERATIONS, ADDITIONS, OR ITEMS NOT CALLED FOR IN THE PROPOSAL, OR CONTAIN IRREGULARITIES OF ANY KIND, IT MAY CONSTITUTE SUFFICIENT CAUSE FOR REJECTION.

### 2. PREPARATION OF ENVELOPES

Place the original bid in a sealed envelope. On the front of the envelope, place the following information:

"SEALED BID - IMPORTANT"  
PROJECT NAME  
OPENING DATE AND TIME  
COMPANY NAME

### 3. SUBMISSION OF BIDS Submit one original of the bid, as follows:

City of Spokane Purchasing  
4<sup>th</sup> Floor - City Hall  
808 West Spokane Falls Blvd.  
Spokane WA 99201-3316

The Purchaser is not responsible for bids delivered late. It is the responsibility of the Bidder to be sure the bids are sent sufficiently ahead of time to be received **no later than 1:00 PM** on the opening date.

The City of Spokane City Hall is a secured building so allow enough time to get through security if hand delivering the response

Sealed bids will be opened at 1:15 p.m., Monday, August 10, 2015 in the Council Chambers, 808 West Spokane Falls Boulevard, Spokane, Washington 99201

#### **4. INTERPRETATION**

If the Bidder discovers any errors, discrepancies or omissions in the bid specifications, or has any questions about the specifications, the Bidder must notify City of Spokane Purchasing in writing. Any addenda issued by the Purchaser will be incorporated into the contract or purchase order.

#### **5. WITHDRAWAL OF BIDS**

Bidders may make written request to City of Spokane Purchasing for withdrawal of a sealed bid prior to the scheduled bid opening. Unless otherwise specified, no bids may be withdrawn for a minimum of thirty (30) calendar days after the opening date.

#### **6. EVALUATION OF BIDS**

Evaluation of bids shall be based upon the following criteria, where applicable:

- The price, including the effect of discounts. Price may be determined by life cycle costing or total cost bidding, when advantageous to the Purchaser.
- The quality of the items bid, their conformity to specifications and the purpose for which they are required.
- The Bidder's ability to provide prompt and efficient service and/or delivery.
- The character, integrity, reputation, judgment, experience and efficiency of the Bidder.
- The quality of performance of previous contracts or services.
- The previous and existing compliance by the Bidder with the laws relating to the contract or services.
- Uniformity or interchangeability.
- The energy efficiency of the product throughout its life.
- Any other information having a bearing on the decision to award the contract.

**BID AWARD WILL BE TO THE LOW RESPONSIVE BIDDER WITHOUT CONSIDERATION OF SALES TAX.**

#### **7. BIDDING ERRORS**

When, after the opening and tabulation of bids, a Bidder claims error, and requests to be relieved of award, he will be required to promptly present certified work sheets. The Purchaser will review the work sheets and if the Purchaser is convinced, by clear and convincing evidence, that an honest, mathematically excusable error or critical omission of costs has been made, the Bidder may be relieved of his bid.

#### **8. BIDDER PREQUALIFICATION.**

Prior to award of contract or purchase, Bidders shall be required to submit evidence of sufficient facilities,

equipment, experience and financial ability to insure completion of the work, unless waived by the Purchaser.

**9. REJECTION OF BIDS.**

The Purchaser reserves the right to reject any or all bids; to waive minor deviations from the specifications, to waive any informality in bids received, whenever it is in the Purchaser's best interest, and to accept or reject all or part of this bid at prices shown.

**10. AWARD OF CONTRACT.**

Award of contract or purchase, when made, will be to the Bidder whose bid is the most favorable to the Purchaser, taking into consideration price and the other evaluation factors. STATE CONTRACTS WHERE APPLICABLE WILL BE CONSIDERED AS A BID. The City Council shall make the award of contract or purchase. Unsuccessful Bidders will not automatically be notified of bid results.

**SECTION V. GENERAL TERMS AND CONDITIONS**

**1. DEFINITIONS**

- A. Bidder - one who submits a bid.
- B. Vendor - Bidder to whom contract or purchase order is awarded.
- C. Purchaser - City of Spokane and other government agencies (Pursuant to RCW 39.34).
- D. Destination-Delivery - Delivery to Purchaser's building location and includes uncrating and installation.
- E. Until Further Notice - Any time in excess of sixty (60) days from date of opening.
- F. Cost - Total cost of ownership based on the best available information.

**2. CONTRACT PERIOD**

The contract shall begin on signing by both parties, and terminate on **FINAL ACCEPTANCE** of delivery of all items listed herein to include all required documents.

**3. PRICE DECREASES**

During the contract period and any renewals thereof, price decreases at manufacturer's and wholesaler's levels shall be reflected in a contract price reduction to the Purchaser retroactive to the Vendor's effective date.

**4. NON-ESCALATION**

The Vendor's prices shall be firm throughout the contract period with NO provision for price increases unless specific provisions are proposed and agreed upon.

**5. DELIVERY DEFAULT.**

- A. The acceptance of late performance by the Purchaser shall not waive the right to claim damage for such breach nor constitute a waiver of the requirements for the timely performance of any obligations remaining to be performed by Vendor.
- B. When items ordered are not delivered within the terms and time frame established by the contract, Purchaser may procure comparable units from another source and Vendor will be required to pay any differences in cost.

**6. DELIVERY DELAY.**

In the event of delivery delay beyond the date specified in the bid, the Purchaser shall assess, as liquidated

damages 0.00 per day beyond the completion date specified. The Purchaser shall have the right to deduct and retain the amount of such liquidated damages from any monies due or which may become due the Vendor or to initiate legal proceedings for the collection of same.

## **SECTION VI. STANDARD TERMS AND CONDITIONS**

### **1. PATENTS, TRADEMARKS AND COPYRIGHTS**

The Vendor warrants the items to be furnished do not infringe any patent, registered trademark or copyright, and agrees to hold Purchaser harmless in the event of any infringement or claim thereof.

### **2. TITLE**

The Vendor warrants that the items to be furnished are free and clear of all liens and encumbrances and that the Vendor has good and marketable title to same.

### **3. COMPLIANCE WITH LAWS**

The Vendor shall comply with all applicable federal, state and local laws, rules, and regulations, affecting its performance and hold the Purchaser harmless against any claims arising from the violation thereof.

### **4. CONTRACT DISPUTES**

Any contract agreement shall be performed under the laws of the State of Washington. Any litigation to enforce such agreement or any of its provisions shall be brought in Spokane County, Washington.

### **5. OVERCHARGES.**

The Vendor assigns to the Purchaser any claims for anti-trust violations or overcharges relating to items purchased in filling the Purchaser's orders. The Vendor warrants that its suppliers will also assign any such claims.

### **6. WARRANTIES**

The Vendor warrants that the items furnished will conform to its description and any applicable specifications, shall be of good merchantable quality and fit for the known purpose for which sold. This warranty is in addition to any standard warranty or service guarantee by Vendor to the Purchaser.

### **7. UNIFORM COMMERCIAL CODE**

The Uniform Commercial Code (UCC), as effective in Washington State, RCW Title 62A, shall determine the rights and duties of the Vendor and the Purchaser.

### **8. NON-DISCRIMINATION**

No individual shall be excluded from participation in, denied the benefit of, subjected to discrimination under, or denied employment in the administration of or in connection with this Contract because of age, sex, race, color, religion, creed, marital status, familial status, sexual orientation including gender expression or gender identity, national origin, honorably discharged veteran or military status, the presence of any sensory, mental or physical disability, or use of a service animal by a person with disabilities. The Contractor agrees to comply with, and to require that all subcontractors comply with, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, as applicable to the Contractor.

### **9. SAVE HARMLESS**

Vendor shall protect, indemnify and save the Purchaser harmless from and against any damage, cost or liability for any injuries to persons or property arising from acts or omissions of Vendor, his employees, agents or subcontractors, howsoever caused.

### **10. TAXES**

- FEDERAL. The Purchaser is exempt from federal excise taxes. Exemption certificates will be furnished on request.

- Business, occupational and personal property taxes are the responsibility of the Vendor.

#### **11. QUANTITIES**

Quantities, when used, are estimates only and are given for the purpose of comparing bids on a uniform basis. Quantities shall be bid on a more or less basis. Payment will be made only for quantities actually ordered, delivered and accepted, whether greater or less than the stated amounts.

#### **12. ASSIGNMENTS**

The provisions or monies due under the contract or purchase order shall be assignable only with the prior consent of the City of Spokane Purchasing.

#### **13. CHANGES**

No alteration in any of the terms, conditions, delivery, price, quality or specifications of items ordered will be effective without the written consent of the City of Spokane Purchasing.

#### **14. DEFAULT**

The Vendor agrees that if a law suit is instituted by the Purchaser for any default on the part of the Vendor, and the Vendor is adjudged to be in default, he/she shall pay to the Purchaser all costs and expenses, expended or incurred by the Purchaser in connection therewith, and reasonable attorney's fees. Venue shall be in the County of Spokane, Washington.

#### **15. REJECTION**

All items purchased herein are subject to approval by the Purchaser. Any rejection of items resulting because of non-conformity to the terms or specifications of this order whether held by the Purchaser or returned, will be at the Vendor's risk and expense.

#### **16. TERMINATION**

In event of a breach by Vendor of any of the provisions of this order, Purchaser reserves the right to terminate upon immediate oral or written notification to the Vendor. Vendor shall be liable for damages suffered by the Purchaser resulting from Vendor's breach of contract.

#### **17. MINORITY BUSINESS OPPORTUNITIES**

Purchaser actively solicits the participation of certified minority business enterprises in the bidding of any and all goods or services.

#### **18. FREIGHT TERMS**

- All invoices, packing lists, packages, shipping notices, instruction manuals, and other written documents affecting this order shall contain the applicable purchase order number. Packing lists shall be enclosed in every box or package shipped pursuant to this order, indicating the contents therein. Invoices will not be processed for payment until all items invoiced are received.
- Risk of Loss. Regardless of F.O.B. point, Vendor agrees to bear all risks of loss, injury or destruction of items ordered herein which occur prior to delivery; such loss, injury or destruction shall not release Vendor from any obligation hereunder.

#### **19. VENDOR'S COOPERATION**

The Vendor shall communicate with City of Spokane Purchasing and shall actively cooperate in all matters pertaining to this contract or purchase in any way City of Spokane Purchasing may direct to the end that the Purchaser shall receive efficient and satisfactory service.



### OWNER'S WARRANTY

The Versalift Aerial Platform Lift is engineered and designed to perform as stated on published specifications. Only quality material and workmanship are used in the manufacture of this product. With proper installation, regular maintenance, and periodic repair service, the equipment will provide excellent service.

Those parts of the Versalift that are manufactured by Time Manufacturing Company are warranted for one full year from date of purchase. Structural components will carry a lifetime warranty for defects in material and workmanship which existed at the time of initial delivery, wear components are not covered by this statement. This warranty is issued only to the original purchaser and promises that Time Manufacturing Company manufactured products are free from defects in material and factory workmanship when properly installed, serviced, and operated under normal conditions, according to the manufacturer's instructions.

Manufacturer's obligation under this warranty is limited to correcting without charge at its factory any part or parts thereof which shall be returned to its factory or one of its Authorized Service Stations, transportation charges prepaid, within one year after being put into service by the original user, and which upon examination shall disclose to the Manufacturer's satisfaction to have been originally defective. Correction of such defects by repair to, or supplying of replacements for defective parts, shall constitute fulfillment of all obligations to original user.

This warranty shall not apply to any of the Manufacturer's products which must be replaced because of normal wear, which have been subject to misuses, negligence or accident, or which shall have been repaired or altered outside of the Manufacturer's factory (unless authorized by the Manufacturer in writing), products which have not been maintained and operated in accordance with Time Manufacturing Company's operators, maintenance manuals and bulletins, products which are repaired without using original Time Manufacturing Company parts. This limited warranty does not cover transportation fees and/or consumables used for the repair.

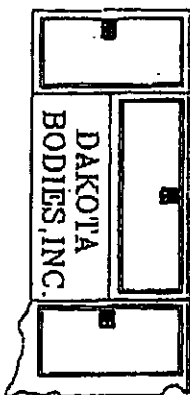
Manufacturer shall not be liable for loss, damage, or expense directly or indirectly from the use of its product or from any cause.

The above warranty supersedes and is in lieu of all other warranties, expressed or implied, and of all other liabilities or obligations on part of Manufacturer. No person, agent, or dealer is authorized to give any warranties on behalf of the Manufacturer or to assume for the Manufacturer any other liability in connection with any of its products unless made in writing and signed by an officer of the Manufacturer.





## Dakota Bodies, Inc Warranty



Dakota Bodies, Inc hereby warrants all equipment manufactured and supplied by Dakota Bodies, Inc to be free from defects in material and workmanship at the time of shipment from the Dakota Bodies, Inc plant for a period of one (1) year. Dakota Bodies, Inc will warrant rust through of its products for a period of five (5) years. No warranty repairs are to be made prior to Dakota Bodies, Inc approval.

DATE: August 7, 2015

TO: Jeff Perry  
City of Spokane Parks & Recreation Dept

EMAIL: [jperry@spokane.org](mailto:jperry@spokane.org)

SUBJECT: Quote # VNW-50204



Versalift Northwest L.L.C.  
1200 Texas Central Parkway  
P.O. Box 21415 • Waco, Texas 76702-1415  
Phone Number: (254) 420-5330  
Fax Number: (254) 776-8025

We are pleased to quote the VERSALIFT VO-255-Reverse Mount, insulated 54 ft. 10 in. (16.7 m) overcenter, and articulated aerial platform lift, 59 ft. 10 in. (18.2 m) working height, 46 ft. 2 in. (14.1 m) horizontal reach including the following items:

### **AERIAL LIFT SPECIFICATIONS**

**PLATFORM** - The fiberglass platform is 24 in. x 24 in. x 39 in. (0.61 m x 0.61 m x 0.99 m) deep with inside and outside step for easy access. The platform capacity is 350 lbs. (160 kg).

**SINGLE STICK UPPER CONTROL** - The full pressure single stick control includes a safety trigger to prevent inadvertent operation. The lift movements correspond with control lever movements. An emergency stop control is provided.

**HYDRAULIC TOOLS** - Two sets of hydraulic tool ports (two pressure ports and two return ports) are at the upper controls. A pressure-reducing valve is used to limit the tool pressure. This valve is preset at 2000 psi (140 kg/cm<sup>2</sup>), but can be adjusted to the desired tool pressure. The tool circuit provides a 7 gpm (26 lpm) flowrate.

**MECHANICAL PLATFORM LEVELING** - Platform leveling is achieved automatically through a completely enclosed parallelogram system. The major components of this system include ½" (13 mm) diameter fiberglass leveling rods, and #60 high strength roller chain. There are no cables used in this system. The fiberglass leveling rods maintain the insulation gaps in all boom positions and are tested at twice the rated load. The tension is adjusted by means of a turnbuckle in the upper and lower boom and platform leveling is adjusted by another threaded rod at the turret.

**TWO-SPEED MANUAL THROTTLE CONTROL** - Gives the operator a choice of economical engine idle speeds with faster lift movements when required. The manual throttle control is designed to operate only when the truck engine is running and the master control is activated. An air cylinder at the platform or a toggle switch at the turret can be used to energize the manual throttle control. This option requires the use of an additional pass in the collector ring assembly.

**INSULATED UPPER BOOM** - The rectangular upper boom tapers from 8" x 12" (200mm x 300mm) at the elbow end to 8" x 10" (200mm x 250mm) at the platform end and is constructed of high strength filament-wound epoxy resin fiberglass. The fiberglass has a gel coat and a high gloss durable urethane finish for added weather protection and water beading. A steel weldment is inserted into the fiberglass at the elbow end of the boom then adhesive is pumped in under pressure to fill all voids. The fiberglass boom is certified for 46KV and below in accordance with ANSI A92.2 Category C dielectric rating requirements. The upper boom articulates a total of 270° (245° for VO-260) relative to the lower boom. A side by side boom design allows low travel height and improved platform access. The upper boom articulation is accomplished by a double acting hydraulic cylinder and 4-bar mechanical linkage. The system does not use any cables and the booms can be stowed in any sequence. A double acting holding valve is provided. An upper boom storage cradle mounted on the turret assures solid boom support in the stowed Position. A ratchet-type boom tie-down strap is included.

**LOWER BOOM** - The lower boom is designed and constructed from high strength steel plate, forming a 10" x 12" (250mm x 300mm) rectangular tube. Boom articulation is 125° from horizontal to 35° past vertical. Articulation is achieved by using a double-acting hydraulic cylinder equipped with two integral holding valves. In the event of a hydraulic failure, the integral holding valves prevent the booms from dropping by locking the booms in position. In addition, the cylinder rod eye is both threaded and welded.

Versalift Northwest, L.L.C.

VNW-50204

VO-255-REV - City of Spokane & Parks Recreation

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## AERIAL LIFT SPECIFICATIONS CONTINUED

**CHASSIS INSULATING SYSTEM (LOWER BOOM INSERT)** - Each end of a high strength filament-wound epoxy resin fiberglass is inserted into the steel boom sections. A fiberglass insert maintains a 24" (0.61m) insulation between the two steel sections. The steel and fiberglass sections are bonded with pressure-injected adhesive, which fills all the voids. After the adhesive cures, 8 bolts are installed to ensure maximum strength. A stainless steel stud is supplied at each end of the insert to shunt the chassis insulating system during electrical testing.

**LUBRICATION** - Non-lube bearings are used at most points of motion. Only the rotation bearing and extension chain require lubrication.

**TURRET** - The turret wings are made of high strength steel plate. The 1 1/4" (32mm) turret base plate is machined to provide a flat surface to support the rotation bearing.

**CONTINUOUS ROTATION** - Rotation is continuous and unrestricted in either direction. This is accomplished by a hydraulically driven worm and spur gear with a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are grade 8 hex head cap screws. These critical bolts are torque seal marked to provide a quick means of detecting any turning of the bolt upon inspection. An eccentric ring gearbox mounting allows for precise adjustments to the gearbox to pinion clearance.

**PEDESTAL** - The reverse mount pedestal mounts behind the cab. The reverse mount pedestal is a fabricated steel structure with a reinforced mounting plate. The pedestal mounting hardware is a long bolt system, which clamps the full depth of the frame. The hydraulic oil reservoir for each pedestal option is built integral to the pedestal. The top plate of the pedestal is 1 1/4" (32mm) thick and machined flat to support the rotation bearing.

**DECK** - The reverse mount pedestal requires a deck (43" x 92") to mount behind the cab. The deck includes outrigger valve panels.

**ONE SET OF OUTRIGGERS** - The A-frame outriggers are welded to the elevator. The outriggers are equipped with pilot operated check valves, internal thermal relief valves and separate controls for each outrigger.

**OUTRIGGER/BOOM INTERLOCK SYSTEM** - The outrigger/boom interlock option is a feature designed to prevent the lift from being operated until the outriggers contact the ground. The interlock also prevents the outriggers from being retracted before the aerial lift is properly stored.

**HYDRAULIC SYSTEM** - The open-center hydraulic system operates at 2900psi (205 kg/cm<sup>2</sup>) at 7 gpm (26 lpm). A 10-micron return-line filter, mounted above the hydraulic oil level and inside the pedestal, can easily be changed without draining the reservoir. A filter gauge with a color coded range is used to monitor the condition of the return line filter for replacement. The 100 mesh (149 micron) suction strainer in the reservoir can be removed for cleaning. A gate valve, located below the reservoir, prevents oil loss when the pump is serviced. A magnetic drain plug attracts metal particles from the oil. Sight gauges mounted on the reservoir wall are convenient for monitoring the oil level.

**HYDRAULIC OIL RESERVOIR** - Available as a bulkhead or a frame rail mount, the reservoir has anti-splash baffles, a return line filter gauge and easy-to-read fluid level gauges. The hydraulic oil capacity in the reservoir is 30 gallons (115L).

**CYLINDERS** - Both the upper and the lower cylinders are a threaded head-cap design. Both boom cylinders are equipped with two integral holding valves to prevent creep down and lock the booms in position in case of hose failure. All holding valves are recessed into the base of the cylinders to provide protection from falling objects. When stowed, both cylinder rods are retracted, protecting them from damage and rust.

**CONTROL VALVES** - Full pressure hydraulic control valves at the platform and turret control rotation, upper boom, and lower boom movements. The upper control is the Unitrol single stick. The lower controls are equipped with a selector valve to override the upper controls and also serves as the emergency stop for the upper controls. The outriggers are operated by separate control valves located with the ground controls. On reverse mounted units, an additional control valve is provided to operate a dump body. Hydraulic tool power is standard at the upper controls and optional at the ground controls.

**HOSES AND FITTINGS** - The hoses, routed through the booms, are high pressure and non-conductive with swaged hose end fittings. Retainers separate the hoses inside the booms to prevent chafing and nylon sleeves are installed over hoses at points of movement. Reusable fittings can be installed if a hose is damaged.

Versalift Northwest, L.L.C.

VNW-50204

VO-255-REV - City of Spokane & Parks Recreation

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## **AERIAL LIFT SPECIFICATIONS CONTINUED**

**ENGINE START/STOP** - The start/stop circuit has been designed so the lift cannot be operated unless the truck ignition switch is in the "Run" position and the master control is activated. This feature makes it difficult for unauthorized individuals to operate the lift when the truck is locked. An air cylinder at the upper controls is used to energize this system.

**ELECTRICAL INSULATION SPECIFICATIONS** - The outer/inner boom assembly is tested and certified for electrical work at 46 KV and below in accordance with ANSI A92.2 requirements. It is fully insulated even in a retracted position. The chassis insulating system (lower boom insert) is also tested according to ANSI A92.2. Vacuum prevention for all the hydraulic hoses routed through the insulated booms is standard.

**PAINT** - The complete unit is primed and painted before assembly. The standard color is white urethane.

**SLOPE INDICATORS** - Slope indicators are required on Versalift units and supplied by Time Manufacturing Co. Slope indicators shall be installed to indicate the level of the rotation bearing relative to the ground.

**MANUALS** - Two operator's manuals and two service manuals are included.

## **CHASSIS SPECIFICATIONS**

### **VO-255 Reverse Mount Minimum Vehicle Specifications:**

- Frame Section Modulus..... 18 in.<sup>3</sup>
- Frame Resisting Bending Moment ..... 900,000 in.-lbs.
- Clear Cab to Rear Axle Dimension..... 120 in.

### **Axle Rating:**

- GVWR ..... 28,000 lbs.
- GAWR (FRONT) ..... 9,000 lbs.
- GAWR (REAR) ..... 19,000 lbs.
- Approximate Curb Weight for Stability..... 21,500 lbs.
- PTO Provision
- Clear frame rails – outboard & above

## **BODY SPECIFICATIONS**

### **Arbortech/Stahl - Chipper Body**

- 146" L x 60" H x 96" W chip box with cutout including:
  - ❖ RH interior ladder box with pruner shelf and rear door
  - ❖ 24" H swing to side tailgate
  - ❖ Coal tar interior
  - ❖ Undercoated
  - ❖ 5" H long sills
  - ❖ Light package
  - ❖ White in color (Freightliner)
- "L"-shaped tool box with 17" L return boxes
  - ❖ Adjustable shelves and eight rope hooks
  - ❖ White in color
- Subframe hoist with 5" cylinder less hydraulics
- Square tube cab guard with HD formed front bumper
- Adapter plate for Versalift supplied boom crotch
- 4-point LED strobes (2) front of cab guard (2) rear of chip box
- Step assy.
- Bolt on grab handle for top of cab guard
- Two (2) 20" x 20" x 6" pad holders

## INSTALLATION DETAILS

- Furnish and install mounting hardware, PTO, and pump
- Install VERSALIFT VO-255-REV
- Furnish and install chipper body and accessories
- Furnish and install park brake interlock
- Furnish and install slope indicators
- Furnish and install backup alarm
- Furnish and install mudflaps
- Furnish and install travel height decal in the cab
- Furnish and install rear chassis spring
- Paint treadplate deck with black no-skid
- Furnish 5 lb. fire extinguisher and 3-piece triangle reflector kit
- Furnish two (2) DICA 18" X 18" X 1" outrigger pads
- Furnish chassis programming
- Test ride completed unit for 1 hour
- Test and Certify per ANSI A92.2-2001

PRICE SUMMARY

Aerial, Body, Accessories and Installation:	\$ 76,604.00
Chassis:	\$ To Be Supplied
SUBTOTAL:	\$ 76,604.00
NET PRICE FOB SPOKANE, WA:	\$ 76,604.00

OPTIONS

Option 1:	TruGuard with the Single Stick Controls between the boom and platform in lieu of single stick controls away from pedestal:	<u>ADD TO NET PRICE:</u> \$ 1,398.00
Option 2:	TruGuard Controls mounted on platform in lieu of Single Stick Controls Away from Pedestal:	<u>ADD TO NET PRICE:</u> \$ 996.00
Option 3:	12V Emergency Power:	<u>ADD TO NET PRICE:</u> \$ 644.00

NOTES

1. Terms For This Order: Net 30 Days pending credit approval.
2. Days to Delivery: Approximately 240 – 270 Days after receipt of order or 60 days after receipt of chassis, whichever is later. Delivery times are subject to change without prior notice.
3. This Quotation Valid For: 30 Days
4. This quotation does not include any applicable sales tax, title, license or state inspection.
5. If Versalift Northwest is not supplying the chassis; it is the customer's responsibility to deliver the chassis to our facility in Waco, Texas.
6. Customer supplied chassis specification must accompany purchase order along with the contact information of the supplying chassis dealer. If the chassis specification does not meet minimum requirements for the application additional charges may be incurred to meet those requirements. This is necessary to order the correct mounting hardware to accommodate the particular chassis to be used.

Thank you for considering **Versalift Northwest** to meet your utility equipment needs. We look forward to earning your business.

Sincerely,

Scott Ellson  
Account Manager  
Phone: (503) 964-0684

Company: \_\_\_\_\_ Signature: \_\_\_\_\_

P.O. #: \_\_\_\_\_ Quantity: \_\_\_\_\_ Options: \_\_\_\_\_ Date: \_\_\_\_\_

Please sign and date this quote if you would like to purchase this unit as stated in the quotation listed above. Indicate any options that you wish to include on your unit by the option number in the space provided above. Please fax this along with your PO to (254) 776-8025 or email to [jeffreyd@timemfg.com](mailto:jeffreyd@timemfg.com).





# VO 255/260/270 E

Insulated Articulated Overcenter Aerial Lift

## DEMAND BETTER.

### STANDARD FEATURES

- Maximum Working Height: 75'10" (23.1m)
- Maximum Horizontal Reach, Overcenter: 50'8" (15.4m)
- Maximum Horizontal Reach, Non-Overcenter: 43'5" (14.1m)
- Maximum Platform Capacity: 350 lbs. (159kg)



The Versalift 10' Elevator is designed to give you Max Payload Capacity and reduce weld & machining labor



For more information about any of our outstanding VERSALIFT products, contact your authorized VERSALIFT Distributor or call 1.800.825.1085.





# VO 255/260/270 E

## Insulated Articulated Overcenter Aerial Lift

### GENERAL SPECIFICATIONS

	VO-255	VO-260	VO-270-E
Horizontal Reach Overcenter	46'2" (14.1m)	50'8" (15.4m)	50'8" (15.4m)
Horizontal Reach Non-Overcenter	41'11" (12.8m)	46'5" (14.1m)	46'5" (14.1m)
Maximum Platform Capacity	400 lbs. (181kg)	350 lbs. (159kg)	350 lbs. (159kg)
Lower Boom Lift Eye Capacity	1,500 lbs. (680kg)	1,500 lbs. (680kg)	1,500 lbs. (680kg)

### HEIGHT WITH STANDARD REVERSE MOUNT PEDESTAL

Height to Bottom of Platform	55'4" (16.9m)	59'10" (18.2m)	70'10" (21.6m)
Working Height	60'4" (18.4m)	64'10" (19.8m)	75'10" (23.1m)
Stowed Travel Height	11'9" (3.5m)	11'9" (3.5m)	12'9" (3.8m)
Weight of Lift	5,860 lbs. (2660kg)	5,970 lbs. (2707kg)	9,600 lbs. (4350kg)

### HYDRAULIC SYSTEM

Operating Pressure	2900 PSI (205kg/cm <sup>2</sup> )	2900 PSI (205kg/cm <sup>2</sup> )	2900 PSI (205kg/cm <sup>2</sup> )
Flow Rate	7 GPM (26 lpm)	7 GPM (26 lpm)	7 GPM (26 lpm)
Filtration	10 Micron Return	10 Micron Return	10 Micron Return
System Type	Open Center	Open Center	Open Center
Power Source	PTO Pump	PTO Pump	PTO Pump

### BOOM ACTION

Upper Boom Articulation	270° relative to lower boom	245° relative to lower boom	245° relative to lower boom
Lower Boom Articulation	125° from horizontal to 35° past vertical	125° from horizontal to 35° past vertical	125° from horizontal to 35° past vertical
Rotation	360° Continuous	360° Continuous	360° Continuous

### INSULATION GAPS

Upper Boom Insulation Gap	214" (5.4m)	214" (5.4m)	214" (5.4m)
Lower Boom Insulation Gap	24" (.61m)	24" (.61m)	24" (.61m)

### VEHICLE REQUIREMENTS

Cab to Axle (minimum)	120" (3m)	120" (3m)	138" (3.5m)
GVWR	28,000 lbs. (12,700kg)	28,000 lbs. (12,700kg)	32,000 lbs. (14,500kg)

#### NOTE:

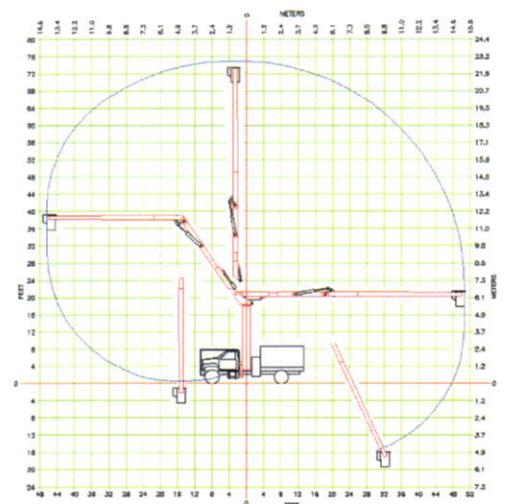
- Specifications may vary without prior notification.
- Required GVWR can vary significantly with chassis, lift mounting location, service body, accessories, and desired payload.

### OPTIONS

- Tilt Platform
- Platform Size Variations
- Capacity Variations
- Lifting Eye Attachment
- Two-Speed Throttle Control
- Unitrol H.R.
- 10' Elevator (VO-255/VO-260)



P.O. Box 20368  
Waco, TX 76702-0368  
254.399.2100  
Fax: 254.399.2651  
1.800.825.1085  
www.timemfg.com





## TRUGUARD™ FREQUENTLY ASKED QUESTIONS

**Q.1** Is the TruGuard™ material impervious to contamination?

**Ans.** The TruGuard™ system incorporates a debris shield design which prevents falling contaminants from making direct contact with isolating surfaces. The specially engineered polymer material was tested by submerging in water for eleven days and was left to dry for one day. As expected, the dielectric properties did not change. An added layer of protection is the exterior cover used to reduce environmental contamination. With ZERO operator contact during lift operation, TruGuard™ is protected from work related contamination.

**Q.2** Will the fittings threaded into the TruGuard™ hold up under extreme pressure? Do they require a different torque than is used for a standard manifold?

**Ans.** Yes. The fittings are torqued to 20 ft-lbs. and TruGuard™ has been tested and exceeds the ANSI A92.2 requirement for hydraulic components.

**Q.3** What about particulates/contamination within the hydraulic system?

**Ans.** As with the insulated section of fiberglass booms, all components crossing that section must be nonconductive. Keep in mind that contaminated oil *could* reduce the dielectric properties of the TruGuard™ just as it would other insulating sections with contaminated oil channeling through them.

**Q.4** What is the proper method to clean TruGuard™ and at what interval(s)?

**Ans.** TruGuard™ should not require much cleaning, however when cleaned we do recommend the use of soap and water. Harsh chemicals such as acetone or paint thinners should be avoided.

**Q.5** Can the TruGuard™ be tested to CAT C (46kv)?

**Ans.** Although TruGuard™ *cannot* have a Cat C 46kv rating (see \*below), unlike comparable equipment manufactured by Altec, Terex, and ETI, the TruGuard™ passes the 40kv test with ease.

- **Per ANSI** - High Electrical Resistance Control handles do not have a specific line rating. The handles are tested to 40 kV with a passing limit of 400 microamps. **NOTE:** A 46 kV line rating requires a 100 kV test (qualification test) of new unit and only 40 kv after the unit is put in service (periodic test). So the 40kV test is actually the same as the 46kV field test. We would have to pass a 100kV test on new units to meet the 46kV test rating.

**TRUGUARD™**  
**FREQUENTLY ASKED QUESTIONS**

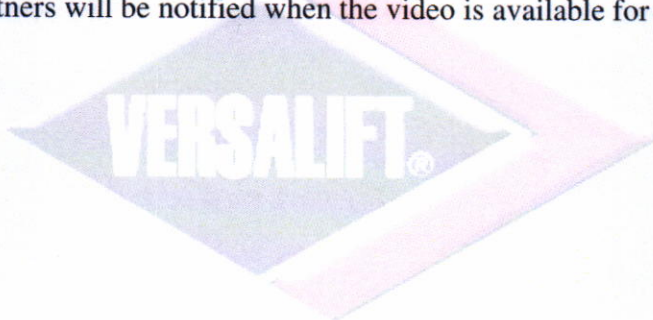
**Q.6** Does the 40kv initial test need to be repeated with the annual di-electric test as well?

**Ans.** Yes, if they are marked on the data plate (Time Mfg. Co. *does* mark the data plate).

(17) If the aerial device has upper controls equipped with high electrical resistance components and the manufacturer so indicates, they shall be maintained as high electrical resistance components and should be electrically tested per 5.4.3.6.

**Q.7** Will there be a sales/training video available to emphasize the true merit of the TruGuard™?

**Ans.** Yes. The training video is currently in the pre-production development stage and distributor partners will be notified when the video is available for distribution.



**FLEET SERVICES  
MEMORANDUM**

August 25, 2015

**TO: PURCHASING DEPARTMENT**

**FROM: GENE JAKUBCZAK  
FLEET SERVICES DIRECTOR**

**SUBJ: ADDITIONAL PURCHASES UTILIZING BID # 3709-10**

This is an order for One (1) truck chassis utilizing the terms of bid # 3709-10. The vendor has agreed to hold the price originally quoted for this purchase.

This chassis will be used to build a new manlift truck with a utility body for the Urban forestry Department.

Chassis for Parks Department flatbed truck  
Unit 428431  
RE 17298

QTY	ITEM	UNIT PRICE	TOTAL
1	2016 Freightliner M2-106 chassis	\$55,450.00	\$55,450.00
1	2016 Model year upcharge - for orders after 2/28/12 add \$1,500 plus 5%	\$2,772.50	\$2,772.50
1	Price adjust for orders after 2/28/12	\$1,500.00	\$1,500.00
1	Cruise Control	\$0.00	\$0.00
<b>OPTIONS</b>			
1	Alternate Cab to Axle length - 120" - 150"	\$592.00	\$592.00
1	Heated, power mirrors	\$395.00	\$395.00
1	Driver controlled full locking differential	\$650.00	\$650.00
1	Air ride cab	\$135.00	\$135.00
1	Auxiliary radio power post	\$25.00	\$25.00
1	Auxiliary radio mounting provision	\$115.00	\$115.00
1	Premium cab insulation	\$99.00	\$99.00
1	Outside frame clear	\$0.00	\$0.00
1	Four(4)additional factory switches	\$250.00	\$250.00
1	Engine option ISB 260 HP, 660 ft.lbs.	\$2,977.00	\$2,977.00
1	Transmission option - 3500RDS-WR	\$3,998.00	\$3,998.00
1	Frame - RBM 2,040,000	\$160.00	\$160.00
1	Engine tunnel/firewall liner	\$75.00	\$75.00
1	Daytime running lights	\$25.00	\$25.00
1	Center Storage console	\$25.00	\$25.00

1	12 volt dash power supply	\$30.00	\$30.00
1	Back-up alarm	\$97.00	\$97.00
1	Factory mounted P.T.O. switch with indicator lamp	\$195.00	\$195.00
1	Huck bolt fasteners	\$197.00	\$197.00
1	Air Brakes	\$2,560.00	\$2,560.00
1	Tires and wheels upgrade	\$1,258.00	\$1,258.00
1	Tilt, telescoping steering wheel	\$425.00	\$425.00
<b>Sub- total</b>			\$74,005.50
<b>Sales tax @ 8.9%</b>			\$6,586.49
<b>GRAND TOTAL</b>			\$80,591.99

cc: Jeff Perry  
Angel Spell



# City of Spokane Urban Forest Management Plan (OUTLINE)

*-DRAFT-*

2015



Prepared For:

**City of Spokane**

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Prepared By:

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[www.davey.com/drg](http://www.davey.com/drg)

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## 1. **Scope and Purpose**

A description of the plan document, it's intent and purpose.

## 2. **Executive Summary**

**2.1. Existing Urban Forest Program and Resource Summary** - What Do We Have?

**2.2. Stakeholder Participation** - What Do We Want?

**2.3. Strategic Goals and Objectives** - How Do We Get There?

**2.4. Measurement and Reporting Strategies**- How Are We Doing?

## 3. **Introduction**

**3.1. Background** - The motivation for an urban forest management plan.

**3.2. Vision and Mission**

### Parks and Recreation -Vision

City of Spokane Parks and Recreation...leading the community to healthy activities, and in stewardship of public parks through responsive innovation...

### Parks and Recreation - Mission

City of Spokane Parks and Recreation will collaboratively provide the following services for the benefit of a community of people who live, work and visit the city of Spokane.

- clean, safe and eco-friendly parks, trails, conservation lands, and recreation facilities
- accessible leisure and recreational opportunities
- an enhanced urban forest

These services will be facilitated and delivered through passionate, professional and proactive response to community issues, interests, and identified values.

UF Department (Operating Draft) - *Trees are intrinsically connected to our lives - from the air we breathe to the value of our homes, the food we eat to the success of our business, and the water we drink to our shady afternoon respite. Spokane Urban Forestry's mission is to enhance the benefits provided to the citizens of Spokane through quality management, maintenance, protection and planting of public trees. Through stewardship of Spokane's urban forest, we aspire to connect people to the world of trees, and in doing so connect them to the strength of their own roots, the beauty of their presence in this world, and the power of their infinite reach.*

**3.3. Guiding Principles** - A brief description that integrates the City's values with the UFMP

**3.4. Community** - An overview of the community and any factors that typically impact how the urban forest is managed.

**3.5. Benefits of Urban Trees and Canopy Cover** - General information about how tree benefits are produced and how the model calculates unique values for Spokane's Urban Forest Resource

**3.5.1.** Air Quality

**3.5.2.** Water Quality

**3.5.3.** Carbon Reduction

**3.5.4.** Energy Savings

**3.5.5.** Aesthetics and Socioeconomics

**3.5.6.** Calculating Tree Benefits

## **4. Existing Urban Forest Program and Resource Summary**

**4.1. History of Urban Forestry In Spokane** - This section will be a brief history of forestry and the ecology of the area.

**4.2. Spokane's Public Urban Forest Resource**

**4.2.1. Composition** - A summary of the structure of the public urban forest

**4.2.2. Benefits** - The summary benefits the city's trees.

**4.2.3. Benefits Vs. Investment** - The benefit versus investment ratio.

**4.3. The Urban Forest Program** - This section will be about the protocols and practices within the city's current urban forestry program.

**4.3.1.** Staffing

**4.3.2.** Tree Care

**4.3.3.** Emergency Response

**4.3.4.** Tree Inspections

**4.3.5.** Tree Planting and Replacement

**4.4. Program Funding** - A review of current funding and funding strategies.

**4.5. Policy and Regulation** - A review of the policies and regulations around all trees within the City limits.

**4.5.1.** Community Planning

**4.5.2.** Tree Protection

**4.5.3.** Design and Construction Standards

**4.5.4.** Tree Care Standards

**4.6. Community Outreach** - A discussion about how the City communicates urban forestry issues.

**4.7. Stakeholders** - A discussion of community stakeholders in Spokane.

**4.8. Conclusion** - A summary discussion of the strengths, weaknesses, opportunities and threats with the current urban forest.

## **5. Stakeholder Participation**

(This section will be outlined by DRG but completed by the City.)

**5.1.** Community Participation

- 5.2. Public Meetings
- 5.3. On-line Survey
- 5.4. Plan Goals and Objectives

## **6. Strategic Goals and Objectives?**

(This section will be outlined by DRG but completed by the City.)

- 6.1. Caring for the Urban Forest Structure
  - 6.1.1. Proactive Maintenance and Tree Preservation
  - 6.1.2. Tree Planting
- 6.2. Health and Safety Strategies
  - 6.2.1. Personnel Training and Qualifications
  - 6.2.2. Managing Risk
- 6.3. Sustainability Strategies
- 6.4. Comprehensive Policies and Procedures
  - 6.4.1. Ordinance
  - 6.4.2. Standards and Policies
- 6.5. Funding Strategies

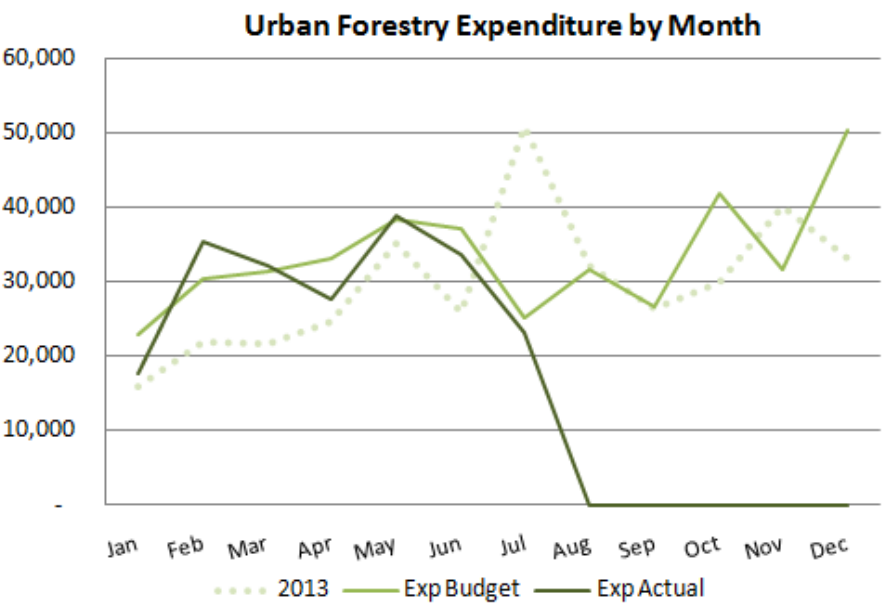
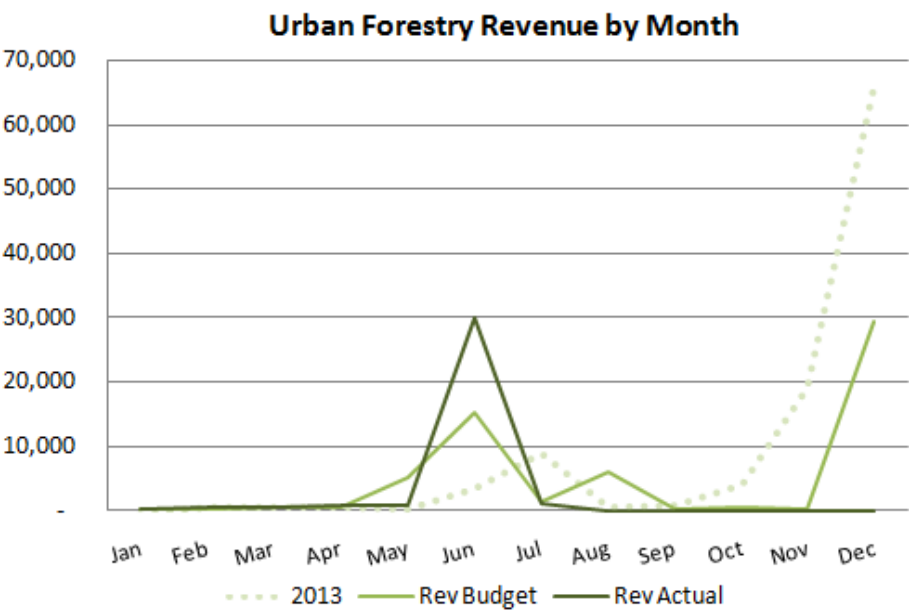
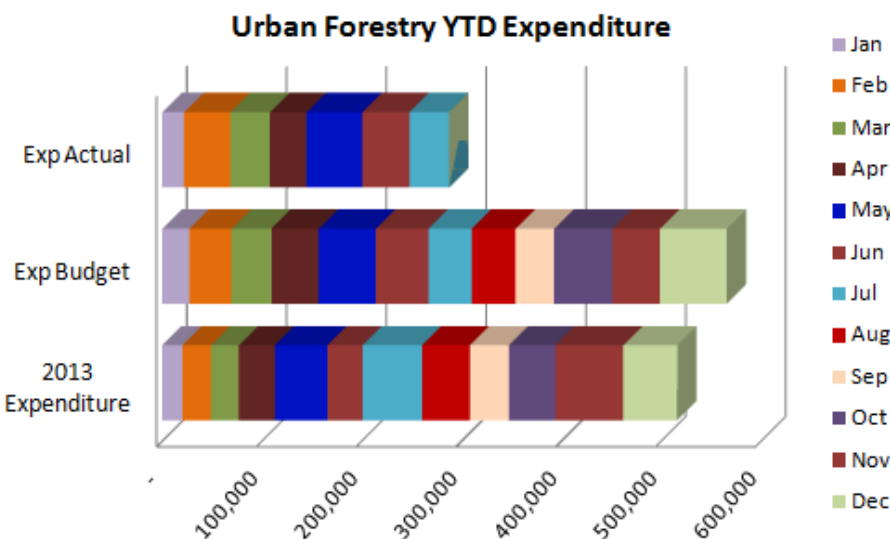
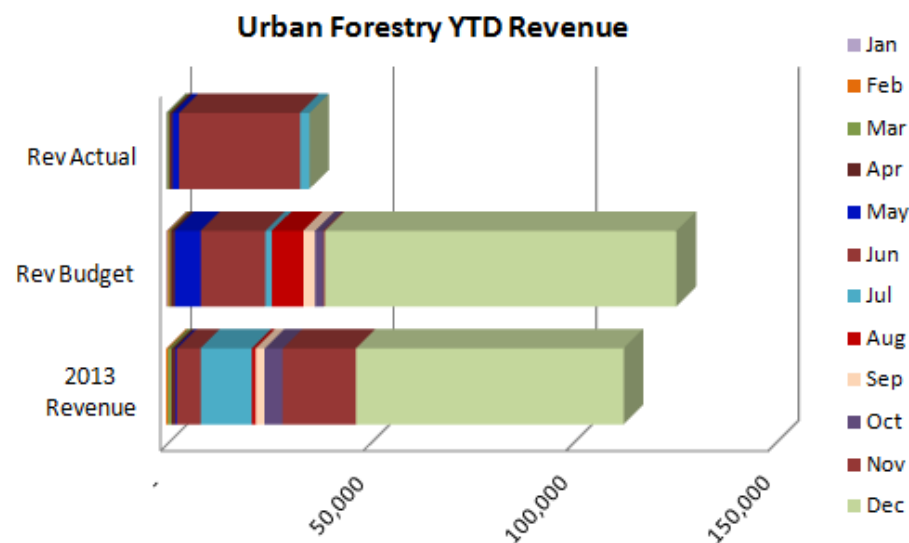
## **7. Measurement and Reporting Strategies**

- 7.1. Monitoring and Measuring Results - This section will describe the periodic updates and tools that will ensure success with the plan.
  - 7.1.1. Annual Workplan
  - 7.1.2. Public Tree Resource Analysis
  - 7.1.3. Canopy Analysis
  - 7.1.4. Urban Forest Resource Analysis
  - 7.1.5. State of the Urban Forest Report
  - 7.1.6. Community Satisfaction

## Appendices

### A. References:

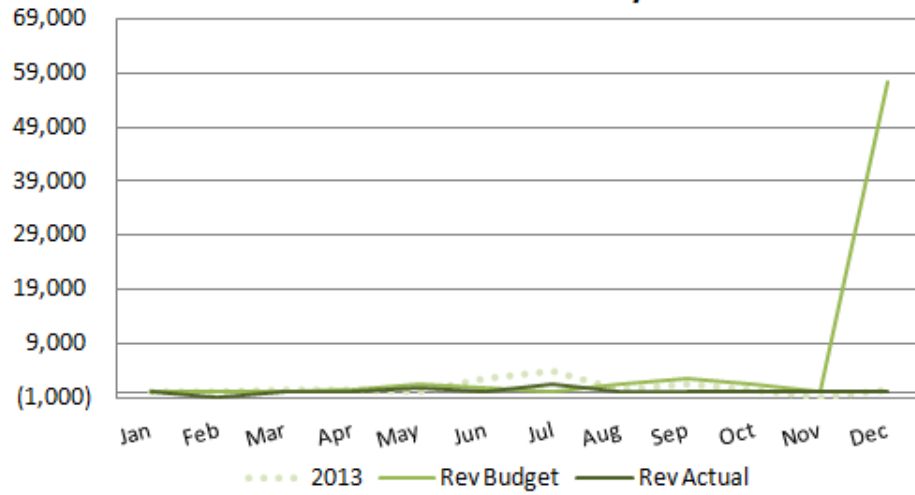




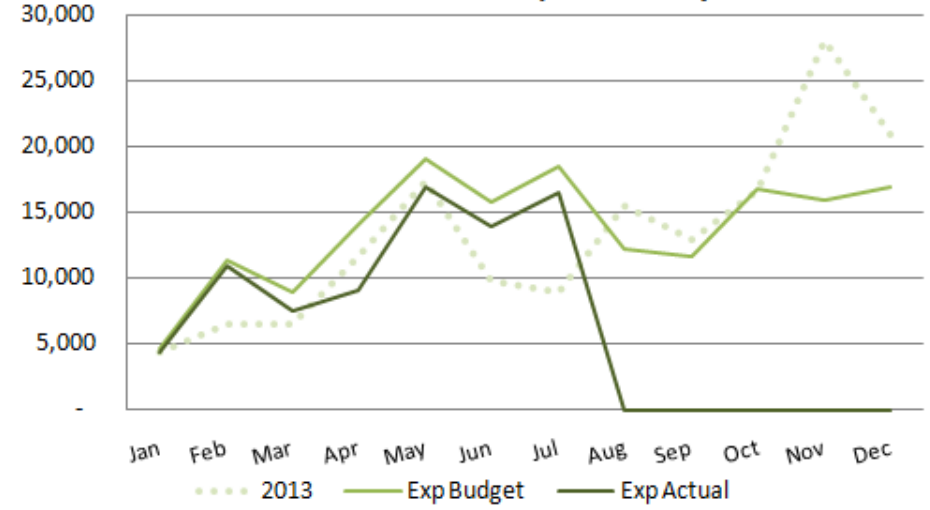
CITY OF SPOKANE PARKS AND RECREATION  
STATEMENT OF ACTIVITY WITH ANNUAL BUDGET  
URBAN FORESTRY  
JULY, 2015

	Month Actual	YTD Budget	YTD Actual	Budget Variance	Fav. ↑ Unfav. ↓	2014 Actual	2013 YTD Actual	Annual Budget	% of Budget	Project Calc	Project Mgr
<b>Revenue</b>	<u>2,353</u>	<u>26,132</u>	<u>35,156</u>	<u>9,024</u>	↑	<u>26,599</u>	<u>20,756</u>	<u>126,000</u>	<u>28%</u>	<u>85%</u>	<u>110%</u>
Salaries and Wages	25,972	186,426	182,737	(3,689)	↑	184,557	175,643	345,581	53%	44%	100%
Personnel Benefits	7,081	62,123	50,669	(11,455)	↑	50,656	44,898	102,565	49%	32%	100%
Supplies	497	6,742	15,343	8,601	↓	7,755	16,821	29,083	53%	73%	100%
Services and Charges	<u>6,116</u>	<u>55,220</u>	<u>38,759</u>	<u>(16,461)</u>	↑	<u>28,497</u>	<u>23,373</u>	<u>88,665</u>	<u>44%</u>	<u>18%</u>	<u>100%</u>
<b>Expenditures</b>	<u>39,665</u>	<u>310,511</u>	<u>287,507</u>	<u>(23,004)</u>	↑	<u>271,465</u>	<u>260,735</u>	<u>565,894</u>	<u>51%</u>	<u>100%</u>	<u>100%</u>
<b>Net Revenue</b>	<u>(37,312)</u>	<u>(284,379)</u>	<u>(252,351)</u>	<u>32,028</u>	↑	<u>(244,866)</u>	<u>(239,979)</u>	<u>(439,894)</u>			
Transfers In	-	66,000	77,897	11,897		66,000	325,000	66,000	118%	118%	100%
Transfers Out	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>		<u>-</u>	<u>-</u>	<u>(27,000)</u>	<u>0%</u>	<u>100%</u>	<u>100%</u>
<b>Net Transfers</b>	<u>-</u>	<u>66,000</u>	<u>77,897</u>	<u>11,897</u>		<u>66,000</u>	<u>325,000</u>	<u>39,000</u>			
<b>Net Operations</b>	<u>(37,312)</u>	<u>(218,379)</u>	<u>(174,454)</u>	<u>43,925</u>	↑	<u>(178,866)</u>	<u>85,021</u>	<u>(400,894)</u>			
<b>Capital Outlay</b>	<u>(2,451)</u>	<u>(66,519)</u>	<u>(3,326)</u>	<u>63,193</u>		<u>(11,632)</u>	<u>-</u>	<u>(124,175)</u>	<u>0%</u>	<u>100%</u>	<u>0%</u>
<b>Revenue less Expenditures</b>	<u>(39,763)</u>	<u>(284,897)</u>	<u>(177,780)</u>	<u>107,118</u>	↑	<u>(190,498)</u>	<u>85,021</u>	<u>(525,069)</u>		YTD	58.33%

**Finch Arboretum Revenue by Month**



**Finch Arboretum Expenditure by Month**



**City of Spokane Parks & Recreation - Urban Forestry**

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jul YTD	Total
Urban Forestry	Rev	2013	(574)	444	479	594	361	3,370	8,862	449	849	4,000	18,951	65,881	<b>13,536</b>	<b>103,666</b>
	Rev Budget		360	292	488	694	5,095	15,345	1,404	6,188	355	508	362	29,409	<b>23,677</b>	<b>60,500</b>
	Rev Actual		158	545	628	776	888	29,888	1,028	-	-	-	-	-	<b>33,911</b>	<b>33,911</b>
Finch Arboretum	Rev	2013	150	-	450	250	20	2,550	3,800	475	1,375	400	(850)	269	<b>7,220</b>	<b>8,889</b>
	Rev Budget		-	-	-	295	1,296	688	177	1,590	2,484	1,531	-	57,439	<b>2,455</b>	<b>65,500</b>
	Rev Actual		-	(805)	-	-	725	-	1,325	-	-	-	-	-	<b>1,245</b>	<b>1,245</b>
Urban Forestry	Exp	2013	15,987	21,937	21,570	24,529	35,079	25,819	50,717	32,190	26,288	29,886	40,097	33,237	<b>195,639</b>	<b>357,337</b>
	Exp Budget		22,854	30,501	31,290	33,138	38,258	37,229	25,147	31,685	26,723	41,863	31,561	50,202	<b>218,418</b>	<b>400,452</b>
	Exp Actual		17,717	35,461	32,199	27,708	38,783	33,561	23,200	-	-	-	-	-	<b>208,631</b>	<b>208,631</b>
Finch Arboretum	Exp	2013	4,380	6,440	6,511	11,678	17,370	9,755	8,964	15,541	12,866	16,638	28,021	20,881	<b>65,096</b>	<b>159,043</b>
	Exp Budget		4,667	11,299	8,977	14,032	18,988	15,719	18,410	12,127	11,656	16,769	15,901	16,896	<b>92,093</b>	<b>165,442</b>
	Exp Actual		4,303	10,873	7,473	9,055	16,838	13,869	16,464	-	-	-	-	-	<b>78,876</b>	<b>78,876</b>
<b>Revenue Totals</b>	<b>Actual</b>	<b>2013</b>	<b>(424)</b>	<b>444</b>	<b>929</b>	<b>844</b>	<b>381</b>	<b>5,920</b>	<b>12,662</b>	<b>924</b>	<b>2,224</b>	<b>4,400</b>	<b>18,101</b>	<b>66,150</b>	<b>20,756</b>	<b>112,554</b>
	<b>Budget</b>		<b>360</b>	<b>292</b>	<b>488</b>	<b>988</b>	<b>6,391</b>	<b>16,033</b>	<b>1,581</b>	<b>7,779</b>	<b>2,839</b>	<b>2,040</b>	<b>362</b>	<b>86,848</b>	<b>26,132</b>	<b>126,000</b>
	<b>Actual</b>		<b>158</b>	<b>(260)</b>	<b>628</b>	<b>776</b>	<b>1,613</b>	<b>29,888</b>	<b>2,353</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>35,156</b>	<b>35,156</b>
<b>Expenditure Totals</b>	<b>Actual</b>	<b>2013</b>	<b>20,367</b>	<b>28,377</b>	<b>28,080</b>	<b>36,207</b>	<b>52,449</b>	<b>35,574</b>	<b>59,681</b>	<b>47,731</b>	<b>39,153</b>	<b>46,524</b>	<b>68,118</b>	<b>54,118</b>	<b>260,735</b>	<b>516,379</b>
	<b>Budget</b>		<b>27,521</b>	<b>41,800</b>	<b>40,268</b>	<b>47,170</b>	<b>57,246</b>	<b>52,949</b>	<b>43,557</b>	<b>43,812</b>	<b>38,379</b>	<b>58,632</b>	<b>47,462</b>	<b>67,098</b>	<b>310,511</b>	<b>565,894</b>
	<b>Actual</b>		<b>22,020</b>	<b>46,334</b>	<b>39,672</b>	<b>36,764</b>	<b>55,621</b>	<b>47,431</b>	<b>39,665</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>287,507</b>	<b>287,507</b>