



Illinois Department of Revenue

Office of Local Government Services
Sales Tax Exemption Section, 3-520
101 W. Jefferson Street
Springfield, IL 62702
217 782-8881

January 2, 2015

CITY OF ST CHARLES
DIRECTOR OF FINANCE
TWO EAST MAIN ST
ST CHARLES IL 60174

Effective January 1, 2015, we have renewed your governmental exemption from payment of the Retailers' Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax, and the Service Use Tax, as required by Illinois law.

We have issued the following new tax exemption identification number:

E9996-0680-07
to
CITY OF ST CHARLES
of
ST CHARLES, IL

The terms and conditions governing use of your exemption number remain unchanged.

Office of Local Government Services
Illinois Department of Revenue

Issued To: _____

Company: _____

Date Issued: _____

Project: _____

Dates Valid: _____

Christopher A. Minick, Director of Finance

STS-70 (R-2/98)
#1493-3524
STS-70 (R-2/98)
IL 492-3524
10-0001417



City of St. Charles Certificate of Insurance Requirements

Contractors shall carry all insurance coverage required by law. In addition, the Contractor shall carry, at its own expense, at least the following insurance coverage with a duly licensed and registered insurance company in the State of Illinois having a minimum A.M. Best rating of A-VI:

- (a) Workers' Compensation & Occupational Diseases Insurance – Statutory amount for Illinois
- (b) General Liability Insurance:
 - 1) Bodily injury, with limits of not less than \$1,000,000 each occurrence/
\$2,000,000 aggregate;
 - 2) Property damage, with limits of not less than \$1,000,000 each occurrence/
\$2,000,000 aggregate;
 - 3) Contractual insurance – broad form, with limits of not less than \$1,000,000 each occurrence/\$2,000,000 aggregate.
- (c) Automotive Liability Insurance:
 - 1) \$1,000,000 each occurrence/
\$2,000,000 aggregate;
 - 2) Property damage, with limits of not less than \$1,000,000 each occurrence/
\$2,000,000 aggregate. Property damage insurance coverage shall include non-owned, hired, leased, or rented vehicles, as well as owned vehicles.
- (d) Umbrella liability \$5,000,000.



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- (e) Contractor's insurance policy shall name City as an additional insured on the General Liability, Automotive Liability and Excess Liability insurance policies. The insurance coverage shall be written with insurance companies acceptable to City. All insurance premiums shall be paid without cost to City. The Contractor shall furnish to City a Certificate of Insurance attesting to the respective insurance coverage for the full contract term. Contractor shall submit satisfactory proof of insurance simultaneously with the execution of the contract.

 - (f) All insurance policies shall provide that the City shall receive written notice of cancellation or reduction in coverage of any insurance policy thirty (30) days to the effective date of cancellation.

SECTION III

PROPOSAL FORM

I propose to furnish the City of St. Charles 1-50' Hydraulic Telescopic Articulating Aerial Device Truck. described in the preceding section, in accordance with the attached conditions and specifications for the unit cost of \$ N/A /EA.

TOTAL COST \$ _____

UNIT COST IF CITY PAYS WITHIN 5 DAYS UPON RECEIPT/ACCEPTANCE
\$ NOT APPLICABLE /EA

TOTAL COST (IF PAID WITHIN 5 DAYS): \$ NOT APPLICABLE /EA

ALL PRICES ARE FIRM WITH NO ESCALATOR.

By submission of this bid I certify that the bid has been arrived at independently and has been submitted without collusion with any vendor of materials, supplies, or equipment of the type described in the preceding section.

Shipment can be made F.O.B. City of St. Charles _____ weeks after receipt of Purchase Order.

MANUFACTURER: _____

COMPANY

ADDRESS

CITY, STATE, ZIP

TELEPHONE

SIGNATURE OF AUTHORIZED AGENT

MWS:cjb

Bid Specification

Customer: City of St Charles

Phone: 630-377-4449

Address: 2 E Main St Charles Il.

Item	Description	Qty	Comply Y/N
	<p>Specifications for a 50 foot hydraulic telescopic articulating aerial device and option specifications for a 55 foot hydraulic telescopic articulating aerial device</p> <p>This specification is to set forth the specific requirements for a 50 foot to bottom of platform, hydraulic operated, telescopic articulating aerial device equipped with single platform and with a fiberglass line service body mounted on an appropriate chassis/cab. These insulating aerial device requirements shall also include an insulating lower arm insert, insulating telescopic upper boom and a dielectrically tested insulating control handle, with upper control isolation system at the boom tip, offering an additional layer of secondary dielectric protection for the operator.</p> <p>This aerial device shall be to the manufacturer's standard. It shall be equipped with the manufacturer's equipment and accessories which are included as standard in the advertised and published literature for the unit. No such item of equipment or accessories shall be removed or omitted for the reason that it was not specified in the bid.</p>	1	
General Specifications			
1.	<p>Telescopic articulating aerial with an insulating lower arm, insulating telescopic upper boom and a dielectrically tested insulating control handle, with upper control isolation system at the boom tip, for installation behind chassis cab, built in accordance to standard specifications and to include the following features:</p> <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 49.5 feet at 12.5 feet from centerline of rotation (15.1 m at 3.8 m) B. Working Height – 54.5 feet (16.6 m) C. Maximum Reach to Edge of Platform: 36.2 feet at 19.9 foot platform height (11.0 m at 6.1 m) D. Lower Boom Insulator: Provides 12.0 inches (305 mm) of isolation E. Side by Side Boom Configuration: Travel height approximately 11'6" on a chassis with approximately 40" frame height. This may have to be increased depending on cab configuration. F. Articulating Arm: Tubular steel structure. The articulating 	1	

arm is designed so that the articulating arm and lower boom are compensating. By raising the articulating arm only, the lower and upper booms maintain the same relative angle with the ground. By raising the articulating arm in conjunction with the lower boom, the operator is able to position himself more quickly and easily into the work area.

- G. Lift Cylinders: The rod eye is welded to the rod while the blind end of the cylinder is of cast steel, one piece design, which utilizes cartridge-type, bi-directional counter-balance holding valves. The lower boom has spherical-type bearings on both rod and base end. The arm cylinder has a spherical-type bearing on the rod end and self-lubricating bearings on the base end.
- H. Lower Boom: Fabricated, reinforced steel box structure. Ultra-high molecular weight polyurethane slide pads are installed at the boom tip to guide the telescopic upper boom. These pads have a large contact area in order to reduce wear. The pads are shimmed and attached for ease of adjustment or replacement without disassembly of the booms. ** Lower boom to be at 0 degrees or horizontal with ground when fully stowed, not at an upward angle**
- I. Lower Boom Pivot Pin: high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearings.
- J. Telescopic Upper Boom: filament wound, square fiberglass, providing a minimum of 38.0 inches (965 mm) of isolation for the 50 foot unit, 16.0 inches (406 mm) for the 55 foot unit, and 36 inches (914 mm) for the 60 foot unit. The inner surface of the fiberglass boom is coated with polyurethane to provide a dry, smooth inner surface, which will cause moisture to bead. The outer surface has a smooth gel-coat finish.
- K. Upper Boom Extension: The upper boom is extended and retracted by a double acting hydraulic cylinder installed within the booms. The boom extends and retracts over slide bearings located in the end of the lower boom.
- L. Hydraulic System: The open-center hydraulic system operates at a system pressure of 3,000 psi (20.7 MPa, 207 bar) and a free flow rate of 8.2 gpm (30.8 lpm). The system consists of a pump, 25.0 gallon (94.6 l) hydraulic oil reservoir, inlet manifold, lower control valve, tool/jib valve and single handle upper control valve assembly.
- M. Pedestal: Post type structure design with 16 inch (407 mm) diameter vertical pedestal tube with a heavy-duty welded flange at the base end and openings that provide easy access

to the hydraulic hoses. The round structure facilitates personnel movement between the pedestal and body sides. Includes pedestal base plate for attachment to sub base. Internal hydraulic reservoir is preferred.

- N. Rotation: Continuous rotation is provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the ability to easily adjust backlash, reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost. All bearing attachment bolts are easily accessed from outside the pedestal and inside the turntable.
- O. Turntable: Steel fixture-welded structure with a 1.25 inch (32 mm) steel bottom plate. The bottom plate of the turntable is machined after welding to ensure a flat mounting surface for the rotation bearing. The hydraulic rotary joint and hydraulic hoses are located on the turntable for ease of access. The main control valve is located outside the turntable for convenience and ease of access and is covered for protection.
- P. Platform Leveling System: The platform is leveled by hydraulic leveling means, contained within the upper boom and designed to maintain the dielectric integrity of the aerial device. Controls for leveling and tilting the platform are located at the platform. Leveling for the platform includes two double acting cylinders incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure. Cylinders are located at the platform and at the end of the lower boom. The master-slave action of the cylinders maintains a level platform throughout the full range of boom articulation.
- Q. Platform: Fiberglass non-insulated platform for use with or without insulated liner (per ANSI A92.2).
- R. The dielectrically tested, insulating upper control system includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system.
 - 1. Control Handle: An insulating single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microamperes of leakage. The control handle is green in color to differentiate it from other non-tested controllers.

	<p>The handle also includes an interlock guard that reduces the potential for inadvertent boom operation.</p> <ol style="list-style-type: none"> 2. All boom functions and controls from pistol grip (8-way) 3. Auxiliary Control Covers: Non-tested blue silicon covers for auxiliary controls. 4. Control Console: Non-tested non-metallic control console plate. 5. Boom Tip Covers: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards. <p>S. Lower Boom Lifting Eye: provides for 1,000 pounds (454 kg) of lifting capacity.</p> <p>T. Hydraulic Tool Circuit: Control easily accessible to the operator activates the tool circuit which provides a maximum of 8.0 gpm (30.3 lpm). Tool system relief pressure set at 2,000 psi (13.8 MPa). One set of hydraulic tool outlet are standard at the boom tip; they consist of one set of quick disconnect couplings at the platform, a valve assembly inside the control cover, and detente control handle. Operates open center tools.</p> <p>U. Outrigger/Boom Interlock System: Prevents boom from being unstowed until outriggers have been at least partially deployed.</p> <p>V. Outrigger/Unit Selector Control: Located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.</p> <p>W. Outrigger Motion Alarm: Provides audible alarm when any of the outriggers controls are operated.</p> <p>X. Back-up Alarm, installed</p> <p>Y. Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This reduces life cycle cost.</p> <p>Z. ANSI Category C, 46 kV and below dielectric rating. Upper boom must be extended approximately 48 inches.</p> <p>AA. Manuals: Two (2) Operator's and two (2) Maintenance/ Parts manuals containing instructional markings indicating hazards inherent in the operation of an aerial device. 4 sets of keys to be provided.</p> <p>BB. Paint: Painted white with the Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is</p>		
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	electro-statically applied to the inside as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.		
2.	Pedestal, 48 (1219 mm) inches, Behind Cab Mount	1	
3.	Single One-Man Platform (24" x 30" x 42") with removable, hydraulically extendible top mounted arm jib. Platform end mounted, rotates 180 degrees around boom tip. Platform has a capacity of 400 lbs. without liner. Material handling systems comes with 80ft of .5 inch polyester double braid rope, a metal thimble in the working end and jib rated at a capacity of 1,000 lbs.	1	
4.	Platform Cover – soft vinyl, 24 x 30 inches (610 x 762 mm)	1	
5.	Platform Liner – for one-man fiberglass platform, 24 x 30 inches (610 x 762 mm), 50 kV rating (minimum)	1	
6.	Tool Circuit at Platform	1	
7.	Engine Start/Stop with Secondary Stowage System, 12 VDC electric powered. Includes pump and motor, operates from chassis battery. Control is captive air operated from the platform and momentary switch operated from the lower controls. This option allows the operator to completely stow the booms and platform in a situation wherein the primary hydraulic source fails.	1	
8.	Throttle Control - Control is captive air operated from the platform and momentary switch operated from the lower controls, and tail shelf.	1	
9.	Slip Ring	1	
10.	Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required. The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby	1	

	reducing maintenance costs. All to be compatible with International Diamond Logic Series.		
11.	Outriggers, Primary – 41 to 47 inch (1041 to 1194 mm) chassis height. Rear mount package, 5-degree swivel shoe A-frame, 154 inches (3912 mm) at maximum spread (outside of footpad to outside of footpad) and 7 inches (178 mm) penetration at a 41-inch chassis height. Outrigger controls mounted at rear of body.	1	
12.	Diagnostic Pressure Test Kit includes gauges, hoses and quick disconnect couplings to enable a mobile service technician to easily check system and tool circuit pressures	1	
13.	Sight and temperature gauge for hydraulic reservoir, shipped loose	1	
	UNIT AND HYDRAULIC ACCESSORIES		
14.	Winch load line swivel hook	1	
15.	Reservoir preferred to be inside pedestal to maximize room in cargo area	1	
16.	Hydraulic oil and lubricants	1	
17.	Hydraulic Pump	1	
18.	Hot shift PTO for automatic transmission	1	
19.	Unit to have minimum travel height as possible Not to exceed 12'	1	
	BODY		
20.	<p>Fiberglass Utility Line Body, suitable for installing on any chassis with an approximate CA dimension of 108 inches, built in accordance with the following specifications:</p> <ul style="list-style-type: none"> A. Fiberglass Line Body BFXB 108T B. Designed for an 108" CA chassis with dual rear wheels, complete with the following features: C. 48" high compartments D. 20" deep compartments E. 156" overall length F. 3/16" Aluminum tread plate floor G. Aluminum Bulkhead H. 6" Steel understructure I. All compartment doors keyed alike J. Over center door checks K. Non-skid top of body compartments L. Automotive type door seals M. Stainless steel rotary latches N. Gel coat white to match cab O. Four (4) Wheel chock holders, two (2) in each fender panel P. All fasteners are stainless steel Q. Full length aluminum drip rail 	1	

	<p>R. Fiber-Glo compartment lighting</p> <p>S. Clear vinyl, or aluminum tread plate rock guards at the front of the body</p> <p>T. Weather stripping installed on all compartments</p> <p>U. Body underside to be completely undercoated 3/16" Aluminum tread plate floor</p> <p>V. Paint underbody of tail shelf black</p>		
	Street side		
21.	<p>SS-1st Vertical-2 adjustable shelves with dividers and outrigger cutout</p> <p>SS-2nd Vertical-1 Adjustable shelf with dividers and 18 drawer cabinet installed at an angle to keep drawers in place</p> <p>SS-3rd vertical-3 adjustable shelves with dividers, 1 6 drawer cabinet</p> <p>SS-Horizontal 1 adjustable shelf with dividers, bin bottom tray with dividers</p> <p>SS-Rear vertical-3 adjustable shelves with dividers</p> <p>24" tread plate aluminum tail shelf, 2 drop down doors, w/3" tall lip raised for cleaning and drainage.</p> <p style="text-align: center;">Body Accessories street side:</p> <p>Hot Stick Shelf 12"H x 14"W from front of 2nd vertical compartment to rear of truck with rear drop down door</p> <p>156"L x 8"H x 20"W Aluminum Ladder Tunnel with rear roller street side * Install on top of street side compartments</p> <p>156"L x 8"H x 20"W Aluminum Top Box with tread plate top opening lift up lids with gas struts * Install on top of ladder tunnel</p>	1	
	Curbside		
22.	<p>1st Vertical--Five (5) locking Swivel Hooks 1-3-1, Outrigger cutout</p> <p>2nd Vertical--Access way, Grip strut steps and two (2) grab handles for 3-point access, Add third step to access way (belted aluminum)</p> <p>3rd Vertical--Three (3) Adjustable Shelves w/dividers</p>	1	

	<p>Horizontal--One (2) Adjustable Shelves w/dividers</p> <p>Rear Vertical--Five (5) Locking Swivel Hooks (1-3-1)</p> <p style="text-align: center;">Body Accessories Curbside:</p> <p>107"L x 10"H x 20"W Aluminum Top Box with two (2) tread plate top opening lift up lids with gas struts aft of access way to rear of truck cargo access only</p> <p>25"L x 18"H x 20"W Aluminum Top Box with tread plate top opening lift up lids with gas struts * Install top of 1st vertical cargo access only</p> <p>Platform access step mounted in cargo area if applicable</p>		
23.	<p style="text-align: center;">Cargo and Chassis Area Accessories:</p> <p>30"L X 18"W X 18"H Aluminum Top Box with side opening door locations to be determined at pre-paint inspection</p> <p>Material Rail 130"L with six sliding hooks * Install on street side interior cargo wall hold up as high as possible</p> <p>Spotlight, Betts #315007, with sealed beam lamp location to be determined before pre-paint inspection.</p> <p>Hastings spring rewind grounding reel with 60' of 2/0 AWG Copper green wire and ground clamp, grounded to chassis frame, located near tail shelf, final location to be determined before pre-paint inspections</p> <p>Stowage or holder for jib when not on boom to be determined before build</p> <p>Bed mounted boom rest.</p>	1	
24.	Wheel chock holders installed, two (2) each side of the body in fender panel	2	
25.	Four (4) Wheel chocks with metal hairpin	4	
26.	Master body locking system	1	
27.	Gas cylinders on all vertical doors	1	
28.	Chains on horizontal doors	1	
29.	Rotary paddle latches with locks keyed alike	1	
30.	Pintle hook, T125 style, (30,000 LB MGTW with 6,000 LB MVL) mounted 26" off pavement +/- 1 inch	1	

31.	Set of D-Rings for trailer safety chains, installed one each side of the towing device	1	
32.	Platform rest with rigid rubber tube	1	
33.	Upper boom rest with automatic boom latch	1	
34.	Two (2) 18" X 18" aluminum outrigger pads	2	
35.	Two (2) outrigger pad holders installed as close to outriggers as possible	2	
36.	Mud Flaps installed behind rear wheels	1 pr	
37.	One (1) 5 pound fire extinguisher, ship loose	1	
38.	Emergency triangle kit shipped loose in cab chassis	1	
39.	Counterweight installed on front bumper assembly if necessary for stability of unit	1	
40.	Manual pouch installed in cab	1	
41.	Cone holder mounted on front bumper for cones to be stored at a horizontal position, mounted on curbside of frame or bumper for cone removal toward street side of truck	1	
42.	Vice mounting bracket on top CS corner of tail shelf flush with top of retaining rail	1	
	Electrical Accessories		
43.	Install start stop system with momentary switch for installation near outriggers controls	1	
44.	Install two speed throttle with momentary switch for installation near outrigger controls	1	
45.	Install Power Distribution Module	1	
46.	LED Lights and reflectors in accordance with FMVSS #108 package installed	1	
47.	Install back up / outrigger motion alarm	1	
48.	Install PTO hour meter in cab of chassis	1	
49.	Phillip's 7-pin round trailer socket, aluminum, installed at rear, including harness	1	
50.	Install modular in-cab accessory switch panel with dual lit switches for function identification and function activation	1	
51.	Two (2) Betts #315007 (2) post mount spot lights mounted in the A-pillar of the chassis SS and CS	1	
52.	8-Way Ecco 3510A LED strobe package, 2 mounted in the front grill, 2 mounted in the light channel at the rear, 2 mounted in the top corners of the body SS, wired to single switch in cab, 2 on A pillar of chassis with # 51	1	
53.	Directional light bar installed directly under tail shelf in protective housing, facing rear, with controller mounted in cab	1	
54.	Install Go Light HID Stryker Model 30001 (With remote) On Hood of Chassis	1	
	Finishing Details		

55.	Mounting aerial device	1	
56.	Aerial device painted white with powder coat paint process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electro-statically applied to the inside as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	1	
57.	Mounting body and accessories	1	
58.	Finish paint and touch up of body and accessories white	1	
59.	Undercoat body black	1	
60.	Non-skid paint applied to all walking surfaces	1	
61.	Safety and instructional decals installed	1	
62.	Vehicle height placard installed	1	
63.	Delivery of completed vehicle	1	
64.	DOT certification of completed vehicle	1	
65.	Test completed unit in accordance with OSHA/ANSI requirements and provide documentation	1	
66.	Crating handling and freight on ariel, miscellaneous parts and supplies, FOB St. Charles IL.	1	
	Miscellaneous		
67.	One Year parts warranty on all parts (not covered by Chassis warranty)	1	
68.	One year labor warranty	1	
69.	One year warranty for travel charges (trip charges)	1	
70.	Bidder is to supply a self-directed, computer based 3D drawing review of product design prior to "line set" date of unit, body, and chassis. This will allow for customer approval of final design to ensure minimal changes at customer inspection of unit, body, and chassis so that promised delivery timeframes can be met.	1	
71.	Product in-service upon delivery of unit	1	
	Chassis		
72.	2017 medium duty extended cab chassis with single rear axle to include:	1	
73.	<ul style="list-style-type: none"> A. Clear CA - 109" B. Wheelbase - 202" C. Cummins 6.7 liter ISB engine D. Maximum horsepower for Cummins ISB engine package E. Maximum torque for Cummins ISB engine package F. 33,000 LB GVWR G. 13,000 LB front axle rating H. 20,000 LB rear axle rating I. Set back front axle J. Automatic transmission with Allison 3500 RDS 	1	

	<ul style="list-style-type: none"> K. Locking rear differential L. 5.86 gear ratio M. Air Brakes w/ ABS system N. Park brake in rear wheels O. Vertical exhaust behind cab on curbside corner of cab P. Air conditioning Q. AM/FM radio with Bluetooth R. Two (2) 12V power supply in cab S. Dual electric horn T. Block heater U. Power steering V. Tilt and telescopic steering wheel W. Cruise control X. Heated mirrors Y. Air-ride single man driver seat Z. Fixed single man passenger seat AA. Chassis idle engine shut-down required BB. Clean idle certification CC. Full instrumentation with tachometer DD. Front tow hooks EE. Dual batteries mounted under cab if possible, otherwise mount on temporary frame rail mount with longest battery cables possible FF. 110 amp alternator GG. Body builder connection HH. Rear cab cross-member flush with back of cab II. Clear area around Allison PTO opening JJ. Engine control remote mounted KK. 11R-22.5 front tires LL. 11R-22.5 rear tires MM. 50 gallon LH fuel tank NN. 6 gallon DEF tank install under cab allowing for clear CA OO. 100" of rear frame overhang PP. Painted white 		
	Option 1-give price for below as option making the boom a 55' instead of 50':		
74.	<p>Telescopic articulating aerial with an insulating lower arm, insulating telescopic upper boom and a dielectrically tested insulating control handle, with upper control isolation system at the boom tip, for rear mount installation, built in accordance to standard specifications and to include the following features:</p> <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 54.4 feet at 13.6 feet from centerline of rotation (16.6 m at 4.1 m) 	1	

