



AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to approve A Resolution Authorizing the Mayor and the City Clerk of the City of St. Charles to Approve the Award of a 2015 Ford F-550 Chassis XL, With Dueco Aerial Lift, to Currie Motors Fleet and Sell/Trade-in Replaced 2000 Ford F-450 SD Vehicle #1707

Presenter: Michael Shortall

Please check appropriate box:

<input checked="" type="checkbox"/>	Government Operations (12/15/14)		Government Services
<input type="checkbox"/>	Planning & Development		City Council
<input type="checkbox"/>	Public Hearing		

Estimated Cost:	\$100,982	Budgeted:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
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If NO, please explain how item will be funded:

Executive Summary:

We are seeking approval to purchase a new 2015 Ford F-550 Chassis XL with \$68,552 Dueco Aerial Lift.

Two quotes have been taken, one local and the other through the Suburban Purchasing Cooperative Joint Program with \$9,240 Pre-Tax Adjustment Municipal Discount. Currie Motors Fleet's \$100,982 quote honors the \$36,655 State base bid price. Both quotes include adding a Dueco Aerial Lift the City has used in the past for other units. Currie Motors and Dueco have a standing history of working together to build vehicles with aerial lifts through state and cooperative bid programs. Therefore, we would like to award Currie Motors Fleet this quote of \$100,982.

This vehicle was budgeted and approved in the 2014/15 budget year and approved by the City Fleet Committee.

We are also seeking approval to sell/trade-in of the replaced Vehicle #1707, a 2000 Ford F-450 SD.

Attachments: *(please list)*

Quotes & Resolution

Recommendation / Suggested Action *(briefly explain):*

Recommendation to approve a Resolution Authorizing the Mayor and the City Clerk of the City of St. Charles to Approve the Award of a 2015 Ford F-550 Chassis XL, With Dueco Aerial Lift, to Currie Motors Fleet and Sell/Trade-in Replaced 2000 Ford F-450 SD Vehicle #1707.

For office use only:

Agenda Item Number: 4a

**City of St. Charles, Illinois
Resolution No. _____**

A Resolution Authorizing the Mayor and the City Clerk of the City of St. Charles to Approve the Award of a 2015 Ford F-550 Chassis XL, With Dueco Aerial Lift, to Currie Motors Fleet and Sell/Trade-in Replaced 2000 Ford F-450 SD Vehicle #1707

**Presented & Passed by the
City Council on _____, 2015**

BE IT RESOLVED by the Mayor and City Council of the City of St. Charles, Kane and DuPage Counties, Illinois, that the Mayor and City Clerk be and the same are hereby authorized to approve the Award of a 2015 Ford F-550 Chassis XL, With Dueco Aerial Lift, to Currie Motors Fleet and Sell/Trade-in Replaced 2000 Ford F-450 SD Vehicle #1707.

PRESENTED to the City Council of the City of St. Charles, Illinois, this _____ day of January, 2015.

PASSED by the City Council of the City of St. Charles, Illinois this _____ day of January, 2015.

APPROVED by the Mayor of the City of St. Charles, Illinois, this _____ day of January, 2015.

Raymond P. Rogina, Mayor

ATTEST:

City Clerk

COUNCIL VOTE:

Ayes:

Nays:

Absent:

Abstain:

Currie Motors Fleet
Presents...



The 2015 Ford F-550 Chassis XL
4x2 SD Regular Cab 165" WB DRW



Prepared For:
Prepared By: Thomas F. Sullivan
Prepared On: November 12, 2014

Prepared For:
Village Of St Charles
Illinois

Prepared By:
Thomas F. Sullivan
Currie Motors Fleet
9423 W. Lincoln Highway
Frankfort, Illinois, 60423



Vehicle Profile

2015 Ford F-550 Chassis **4x2 SD Regular Cab 165" WB DRW XL (F5G)**

Powertrain

Triton 6.8L V-10 SOHC SMPI 30 valve engine * 175 amp alternator * 750 amp 78 amp hours (Ah) HD battery with run down protection * Transmission oil cooler * 5-speed electronic automatic transmission with overdrive, lock-up, driver selection * Rear-wheel drive * Limited slip differential, driveline traction control, power take-off provision * 4.88 axle ratio * Stainless steel exhaust

Steering and Suspension

Hydraulic power-assist re-circulating ball steering * 4-wheel disc brakes with front and rear vented discs * Firm ride suspension * Mono-beam non-independent front suspension * Front anti-roll bar * HD front coil springs * HD front shocks * DANA 130 rigid rear axle * Rear leaf suspension * Rear anti-roll bar * HD rear leaf springs * HD rear shocks * Front and rear 19.5" x 6.00" argent steel wheels * LT225/70SR19.5 BSW AS front and rear tires

Safety

4-wheel anti-lock braking system * Dual airbags, passenger side front-impact cancellable airbag, seat mounted driver and passenger side-impact airbags, curtain 1st row overhead airbag * Front height adjustable seatbelts * SecuriLock immobilizer, panic alarm, security system

Comfort and Convenience

Air conditioning * AM/FM stereo, clock, seek-scan, 2 speakers, fixed antenna * Power door locks with 2 stage unlock, keyfob (all doors) keyless entry * 2 12V DC power outlets, retained accessory power, back-up alarm * Analog instrumentation display includes tachometer, oil pressure gauge, engine temperature gauge, transmission fluid temp gauge, engine hour meter, exterior temp, systems monitor, trip odometer * Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, door ajar, service interval, brake fluid * Steering wheel with tilt and telescopic adjustment * Power front windows with light tint, driver and passenger 1-touch down * Variable intermittent front windshield wipers * Passenger side vanity mirror * Day-night rearview mirror * Interior lights include dome light with fade, front reading lights, illuminated entry * Glove box, front cupholder, instrument panel bin, dashboard storage, driver and passenger door bins * Unifitter switches

Seating and Interior

Seating capacity of 3 * 40-20-40 split-bench front seat with adjustable head restraints, center armrest with storage * 4-way adjustable driver seat includes lumbar support * 4-way adjustable passenger seat * Vinyl faced front seats with vinyl back material * Full cloth headliner, full vinyl/rubber floor covering, urethane gear shift knob, chrome interior accents

Exterior Features

Side impact beams, front license plate bracket, fully galvanized steel body material, side steps * Black fender flares * Black side window moldings, black front windshield molding * Black door handles * Black grille * 2 doors * Trailer harness, brake controller * Driver and passenger power remote black heated convex spotter folding manual extendable trailer outside mirrors with turn signal indicators * Front black bumper with front tow hooks *

Prices and content availability as shown, are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information. Reference CT05210991 7/1/2014

Vehicle Profile Continued

Prepared For:
Prepared By: Thomas F. Sullivan
Dealership: Currie Motors Fleet

Exterior Features (Continued)

Aero-composite halogen headlamps * Additional exterior lights include cab clearance lights, underhood light, remote activated perimeter/approach lights * Clearcoat monotone paint

Warranty

Basic	36 month/36,000 miles	Powertrain	60 month/60,000 miles
Corrosion	60 month/unlimited mileage	Roadside	60 month/60,000 miles

Dimensions and Capacities

Output	362 hp @ 4,750 rpm	Torque	457 lb.-ft. @ 3,250 rpm
1st gear	3.110	2nd gear	2.200
3rd gear	1.550	4th gear	1.000
5th gear	0.710	Reverse gear	2.880
Curb	6,929 lbs.	GVWR	19,500 lbs.
Front	6,000 lbs.	Rear	14,706 lbs.
Payloa	12,660 lbs.	Front curb	3,835 lbs.
Rear curb	3,094 lbs.	Front axle	7,000 lbs.
Rear axle	14,706 lbs.	Front spring	6,000 lbs.
Rear spring	15,000 lbs.	Front tire/wheel	7,500 lbs.
Rear tire/wheel	15,000 lbs.	Towing	16,000 lbs.
5th-wheel towing	18,100 lbs.	Front	41.1 "
Front	40.7 "	Front	67.6 "
Front shoulder	68.0 "	Passenger area	65.9 cu.ft.
Leugt	250.5 "	Body	93.9 "
Body	80.7 "	Wheelbas	165.0 "
Cab to	84.0 "	Axle to end of	47.6 "
Front	74.8 "	Rear track	74.0 "
Turning	24.3 '	Fuel	40.0 gal.
Rear frame height	27.9 "	Rear frame height	33.4 "

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Prepared For:
Village Of St Charles
Illinois

Prepared By:
Thomas F. Sullivan
Currie Motors Fleet
9423 W. Lincoln Highway
Frankfort, Illinois, 60423



Selected Options

2015 Ford F-550 Chassis

4x2 SD Regular Cab 166" WB DRW XL (F5G)

Vehicle Snapshot	
Engine:	6.8L 3-Valve SOHC EFI NA V10
Transmission:	TorqShift 5-Speed Automatic
Rear Axle Ratio:	Limited Slip w/4.88
GVWR:	19,500 lb Payload Plus Upgrade Package

Code	Description	Class	MSRP
F5G	Base Vehicle Price (F5G)	STD	36,655.00
Packages			
660A	Order Code 660A <i>(99Y) Engine: 6.8L 3-Valve SOHC EFI NA V10; (44T) Transmission: TorqShift 5-Speed Automatic; (X48) 4.88 Axle Ratio; (STDGV) GVWR: 18,000 lbs Payload Package; (TFB) Tires: 225/70Rx19.5G BSW AS (7); (64Z) Wheels: 19.5" Argent Painted Steel (6); (A) HD Vinyl 40/20/40 Split Bench Seat : Includes driver side manual lumbar support, center armrest, cupholder and storage.; (587) Radio: AM/FM Stereo w/Digital Clock :</i>	OPT	N/C
Powertrain			
99Y	Engine: 6.8L 3-Valve SOHC EFI NA V10 <i>Torque: 457 ft.lbs. @ 3250 rpm.</i>	INC	Included
44T	Transmission: TorqShift 5-Speed Automatic	INC	Included
X8L	Limited Slip w/4.88 Axle Ratio	OPT	360.00
68M	GVWR: 19,500 lb Payload Plus Upgrade Package <i>Includes upgraded frame, upgraded springs and low deflection/high capacity. Increases max RGAWR to 14, 706. NOTE: See Order Guide Supplemental Reference for further details on GVWR.</i>	OPT	1,155.00
Wheels & Tires			
TFB	Tires: 225/70Rx19.5G BSW AS (7)	INC	Included
64Z	Wheels: 19.5" Argent Painted Steel (6)	INC	Included
Seats & Seat Trim			
A	HD Vinyl 40/20/40 Split Bench Seat	INC	Included

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Selected Options Continued

Prepared For:
 Prepared By: Thomas F. Sullivan
 Dealership: Currie Motors Fleet

Code	Description	Class	MSRP
<i>Includes driver side manual lumbar support, center armrest, cupholder and storage.</i>			
Other Options			
PAINT	Monotone Paint Application	STD	N/C
165WB	165" Wheelbase/84" Cab to Axle	STD	N/C
90L	Power Equipment Group <i>Accessory Delay; Power Locks; Remote Keyless Entry; Perimeter Anti-Theft Alarm; Power Front Side Windows : Includes 1-touch up and down power driver and passenger window.; MyKey : Includes owner controls feature.; Manual Telescoping 2-Way Fold Trailer Tow Mirrors : Includes power heated glass, heated convex spotter mirror and integrated clearance lamps/turn signals.; SecurILock Passive Anti-Theft System (PATS). Deletes</i>	OPT	895.00
67H	Heavy Service Front Suspension Package <i>Includes pre-selected heavy service front springs (see Order Guide Supplemental Reference for springs/FGAWR of specific vehicle configurations). Recommended only on vehicles which will permanently utilize aftermarket equipment such as heavy duty winches, brush guards or other apparatus which loads the front axle to the specified Gross Axle Weight Rating (GAWR). NOTE 1: May result in a deterioration of ride quality. NOTE 2: Vehicle ride height will increase with the addition of this</i>	OPT	125.00
62R	Transmission Power Take-Off Provision	OPT	280.00
52B	Trailer Brake Controller <i>Verified to be compatible with electronic actuated drum brakes only.</i>	OPT	270.00
18B	6" Angular Black Molded-in-Color Running Boards	OPT	320.00
587	Radio: AM/FM Stereo w/Digital Clock <i>Includes 2 speakers.</i>	INC	Included
76C	Exterior Backup Alarm (LPO) <i>Pre-installed custom accessory.</i>	OPT	125.00
Interior Colors For : Primary w/XL (regs)			
AS	Steel	OPT	N/C
Primary Colors For : Primary w/XL (regs)			
Z1	Oxford White	OPT	N/C
Accessories and Aftermarket Options			
De-01	Delivery		\$185.00
Du-15	Dueco Quote		\$68,552.00
Vehicle Subtotal			\$108,922.00
Destination			\$1,195.00
Vehicle Subtotal (including Destination)			\$110,117.00

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Prepared For:
Village Of St Charles
Illinois

Prepared By:
Thomas F. Sullivan
Currie Motors Fleet
9423 W. Lincoln Highway
Frankfort, Illinois, 60423



Quotation

2015 Ford F-550 Chassis 4x2 SD Regular Cab 165" WB DRW XL (F5G)

	MSRP
Base Vehicle Price	36,655.00
Factory Options	3,530.00
Accessories & Other Items	68,737.00
<u>Destination</u>	<u>1,195.00</u>
Vehicle Total	110,117.00
Pre-Tax Adjustments	
Municipal Discount	-9,240.00
Total Pre-Tax Adjustments	-9,240.00
Post-Tax Adjustments	
Municipal Title/MP Plates	105.00
Total Post-Tax Adjustments	105.00
Grand Total	100,982.00

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 Village Of St Charles
 Illinois

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Dimensions & Capacities

2015 Ford F-550 Chassis 4x2 SD Regular Cab 165" WB DRW XL (F5G) Value

Description	Value
Dimensions and Capacities	
Output	362 hp @ 4,750 rpm
Torque	457 lb.-ft. @ 3,250 rpm
1st gear	3.110
2nd gear	2.200
3rd gear	1.550
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Front tire/wheel	7,500 lbs.
Rear tire/wheel	15,000 lbs.
Towing	16,000 lbs.
5th-wheel towing	18,100 lbs.
Front	41.1 "
Front	40.7 "
Front	67.6 "
Front shoulder	68.0 "
Passenger area	65.9 cu. ft.
Lengt	250.5 "
Body	93.9 "
Body	80.7 "
Wheelbas	165.0 "
Cab to	84.0 "
Axle to end of	47.6 "
Front	74.8 "

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Dimensions & Capacities Continued

Prepared For:
Prepared By: Thomas F. Sullivan
Dealership: Currie Motors Fleet

Description	Value
Dimensions and Capacities	
Rear track	74.0 "
Turning	24.3 '
Fuel	40.0 gal.
Rear frame height	27.9 "
Rear frame height	33.4 "

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Prepared For:
Village Of St Charles
Illinois

Prepared By:
Thomas F. Sullivan
Currie Motors Fleet
9423 W. Lincoln Highway
Frankfort, Illinois, 60423



Warranty

2015 Ford F-550 Chassis
4x2 SD Regular Cab 165" WB DRW XL (F5G)
Months/Distance

Description	Months/Distance
Basic	36 month/36,000 miles
Powertrain	60 month/60,000 miles
Corrosion Perforation	60 month/unlimited mileage
Roadside Assistance	60 month/60,000 miles

Prices and content availability as shown, are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.
Reference CT05210991 7/1/2014



2525 East Main Street • St. Charles, IL 60174 • Phone: 630-584-1800 • Fax: 630-584-9886

Mike Shortall
 Purchasing Manager
 City of St Charles

Specifications for 2015 Ford F550 with service body

STANDARD EQUIPMENT

6.8L V10 engine	Torqshift 5 speed automatic transmission	
4 wheel disc brakes with ABS	40 gallon fuel tank	
Stabilizer bars front and rear	Power steering	
Trailer wiring	Painted black front bumper	
Tinted glass	Black molded front grill	
Dual beam jewel effect headlamps	Roof marker lights	
Telescoping trailer tow mirrors	Tow hooks	
Underhood service light	19.5" painted steel wheels	
Air Conditioning	AM/FM radio	
Black vinyl floor covering	Message center	
Auxiliary power point	Vinyl 40/20/40 split bench front seat w fold down armrest	
Tilt/telescoping steering column	Sun visors	
Interval wind shield wipers	Upfitter switches (4)	
Driver & passenger front & side airbags	Side curtain airbags	
175 Amp alternator	H D gas shocks	
Dome light with dual map lights	Mono beam front axle	
BASE PRICE		36,655

OPTIONAL EQUIPMENT

Limited slip rear axle w/4.88 ratio	360
19,500lb GVWR Payload plus upgrade package	1155
Tires 225/70Rx19.5G all season	inc
165" Wheelbase	inc
Power equipment group	895
Heavy service front end	125
Transmission power take-off provision	280
Trailer brake controller	270
6" Angular black molded running boards	320
Exterior back up alarm	125
Delivery	inc

Dueco Quote	68,552
Destination	1195
TOTAL	\$110,117
MUNICIPAL DISCOUNT	-8477
SALE PRICE	\$101,585
Municipal license & title	130
GRAND TOTAL	\$101585

WARRANTY

Bumper to bumper	36 month/36000 miles
Powertrain	60 months/60000 miles
Corrosion perforation	60 months/unlimited mileage
Road side assistance	60 months/60000 miles

Bill Wackerlin
Commercial Sales
Zimmerman Ford

DUECO® **EQUIPMENT PRICING**

October 17, 2014

City of St. Charles
Two East Main Street
St. Charles, IL 60174
Attn: Michael Shortall

Subject: Quote for a Terex Hi-Ranger LT40 Articulating / Telescoping Aerial Device

DUECO Reference#: 43967

Mr. Shortall

In response to your request, I am pleased to provide you with the following pricing for a Terex Utilities LT40 with a Brand FX Service body installed on a Ford F550 4x2 chassis.

Aerial, Body, Accessories, & Installation:

\$ 68,552.00

Delivery of Completed Unit will be F.O.B. St. Charles, IL

I trust you will find this information to your satisfaction. If you have any questions or need further assistance, please contact me at (815) 252-5519.

Thank you for giving DUECO, Inc. the opportunity to quote your equipment needs and I look forward to working with you in the near future.

Sincerely,

John Rogalla
Territory Manager

Cc: Billy Niklasch

DUECO STANDARD TERMS AND CONDITIONS:

- 1.) Quote valid for 30 days.
- 2.) Terms: Net 10 days. Payment accepted by cash, check, ACH or wire transfer.
Remit to address for payments only: PO Box 8810, Carol Stream IL 60197-8810
- 3.) If DUECO, Inc. orders the chassis; the chassis payment is due upon receipt of the chassis at DUECO, Inc. If chassis dealer will no longer honor prices quoted due to model year changes or other chassis changes prior to receipt of purchase order, customer is liable for any increase.
- 4.) Price does not include any applicable local, state or federal excise taxes.
- 5.) Estimated delivery is 290 days after receipt of purchase order.
- 6.) DUECO, Inc. assumes no warranty on chassis. Chassis warranty is the responsibility of chassis manufacturer (dealer).
- 7.) Please indicate on your purchase order whether or not you will require a pre-paint inspection.
- 8.) Completed unit is FOB Waukesha, Wisconsin unless otherwise stated in Quote.
- 9.) DUECO, Inc. maintains complete service facilities in Waukesha, WI; Bourbon, IN; Shakopee, MN; Medina, OH; Thomasville, PA; Watertown, SD.
- 10.) In-service Training provided at customer's facility.
- 11.) DUECO, Inc. makes every effort to meet the delivery commitments we provide to our customers. Unfortunately, if a chassis manufacturer fails to deliver the bare chassis to our plant for the installation of our equipment, we cannot deliver a finished product to you, our customer. Recent inconsistencies by some chassis manufacturers have forced us to include this disclaimer in every bid. If a chassis manufacturer halts or delays production for any reason, DUECO, Inc. cannot be held responsible.
- 12.) Order cancellations are required to be provided from the buyer in writing and must be accepted and approved by DUECO. If cancellation is approved, the buyer will be required to pay a cancellation fee to be determined by DUECO based on expenditures incurred as of the time of cancellation. The cancellation fee will be the greater of the reasonable cost of Seller's expenses incurred, including engineering time, and commitments to suppliers prior to receipt of notice of cancellation, or 20% of the equipment sell price.

Customer Furnished Chassis:

If a customer furnished chassis is provided, the chassis must be received at our Waukesha, Wisconsin facility a minimum of sixty (60) days before the start of production. All charges for any necessary relocation of chassis frame mounted accessories, such as fuel tanks, air tanks, brake boosters, exhaust stacks or battery boxes is the sole responsibility of the customer.

Trade-in Equipment

Trade-in offer is conditional upon equipment being maintained in good operating order until replacement by new equipment. All equipment, i.e. tires, winches, jibs, pin-on buckets, etc., to remain with unit unless otherwise agreed upon. DUECO Inc., reserves the right to re-negotiate its trade-in offer if these conditions are not met. At the time of delivery of the new equipment, the trade-in must have a certified DOT inspection sticker.



DUECO, Inc.

N4 W22610 Bluemound Road
Waukesha, WI 53186
Phone: 800-558-4004
Fax: 262-544-8410
www.DUECO.com

QUOTATION

CUSTOMER: City of St. Charles
ATTENTION: Michael Shortall
ADDRESS: Two East Main Street
St. Charles, IL 60174

PHONE: 630-377-4449
FAX: 630-377-4431

Quote #: 43967
Quote Date: 10/17/14
Quote Valid Until: 11/17/14
TEQ ID#: 180001

QUANTITY	DESCRIPTION
	AERIAL DEVICE

1 One (1) new Terex Hi-Ranger LT40 Articulating / Telescoping Aerial Device providing a working height of 44.6 ft (13.6 m) and a side reach of 26.6 ft (8.1 m) with an end mount platform. Unit will be mounted behind the cab.

Design Criteria:

* Design criteria is in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design.

Platform Leveling:

* Leveling is provided by a master/slave cylinder system.
* A control at the lower controls is provided to tilt the platform for clean out or personnel rescue.

Upper Controls:

* "Control-Plus" single stick controller (4-function)
* Non-metallic control handle
* Dielectrically tested for limited secondary protection between the valve and handle.
* May provide limited secondary protection for operator depending on condition and cleanliness.
* Not rated for electrical protection, although it may provide limited secondary protection.
* Not intended to replace safe work practices or primary protection such as cover-up and personal protection equipment.
* Enable lever must be actuated before operation.
* Controls lower boom lift, upper boom lift, boom extension and rotation.

Hydraulic Platform Rotator For End Mount Platform:

* Platform capacity to 350-lbs.
* Allows 180 degrees of forward hydraulic rotation and is controlled at the upper controls.
* Includes heavy duty leveling.

Hydraulic Platform Tilt:

* The platform is equipped with hydraulic horizontal tilt at the platform controls for ease of personnel rescue and platform debris clean out.

Insulated Engine Stop / Start:

* Controlled from platform and lower control station.

Hydraulic Tool Outlets At Platform:

* Installed at the platform to accommodate one open center hydraulic tool.
* Provides 5 GPM at 2250 psi at engine idle.

QUANTITY	DESCRIPTION
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Lower Controls:

- * Individual control levers are located in an accessible location on the turntable.
- * The lower controls activate lower lift, main boom lift, boom extension, rotation and leveling.
- * An upper/lower control selector provides override of platform controls.

Lower Boom:

- * Constructed of high strength, rectangular steel tube with a rectangular bi-axial epoxy resin filament wound, high strength fiberglass insert providing an insulation gap of 12 inches.
- *The lower boom articulation is from 0 to 78 degrees.

Upper Boom:

- * Aerial device upper boom is constructed of high strength steel with a rectangular bi-axial epoxy resin filament wound, high strength fiberglass insert.
- * Inner boom is rectangular bi-axial epoxy resin filament wound fiberglass.
- * The upper boom has a total insulation gap of 40" retracted and 51" extended.
- * The upper boom has an articulation of -14 to 80 degrees.
- * A boom rest with a ratchet type tie down strap is provided.

Boom Interlock:

- * To operate the boom the outriggers must be extended. (Note: if unit includes outriggers.)

Lower Boom Cylinder:

- * Single, threaded end gland design, double acting hydraulic lift cylinder equipped with integral holding valve.

Upper Boom Cylinder:

- * A single double acting hydraulic lift cylinder equipped with integral holding valve.

Extension Cylinder:

- * The cylinder is equipped with integral holding valves to prevent creep and hold the boom position in the event of hose failure.

Pedestal And Turntable:

- * The pedestal is of welded high strength steel construction and designed with access holes for maintenance of hydraulic plumbing.
- * The pedestal top plate and turntable base plate are machined from a single piece of thick plate.

Continuous Unrestricted Rotation:

- * A hydraulic rotary manifold provides a rotating oil distribution system for continuous and unrestricted rotation.
- * One 3/8-inch hydraulic port is available for options.
- * Self-locking worm gear rotation drive is provided and equipped with bi-directional motor.
- * A 7/8-inch external hex shaft allows for manual rotation.
- * A minimum 4-channel electric collector ring is provided.

Rotation Bearing:

- * The rotation bearing is a heavy-duty "shear ball" bearing with external gear teeth utilizing polished alloy steel balls.
- * Both the inner and outer races are made from high-strength alloy steel and are heat treated to provide maximum life.
- * High strength grade 8 bolts attach the inner and outer races to the pedestal and turntable.

ANSI Rating:

- * Aerial device is designed as a Category C machine and is dielectrically tested and rated for operation up to 46,000 volts AC per ANSI/SIA A92.2-2009.

QUANTITY	DESCRIPTION
	<p>Hydraulic System:</p> <ul style="list-style-type: none"> * Full pressure, open center hydraulic system. * An internal 20-gallon hydraulic oil reservoir provided with a 60-mesh filler screen, baffles, 100 mesh suction screen with bypass, clean out access hole, sight gauge and shut off valve. * A spin on type 10-micron return line filter is provided. * A relief is also provided. * Hydraulic hoses are equipped with permanent type fittings. <p>Miscellaneous:</p> <ul style="list-style-type: none"> * All metallic components of the complete aerial device are powder coat white. * The fiberglass upper boom, boom inserts, platforms, and covers are white. * Two complete manuals providing operation and maintenance procedures, and a replacement parts listing. * Warning decals provided with unit.
1	Pedestal with 20 gallon integral tank.
1	<p>Platform 24" x 30" x 42":</p> <ul style="list-style-type: none"> * One end mounted fiberglass platform. * Includes one (1) outside access step with slip-resistant surface. * A safety harness with lanyard is provided.
1	<p>24" x 30" x 42" Platform Liner with Inside Step</p> <ul style="list-style-type: none"> * Tested at 50 KV AC.
1	<p>Vinyl Platform And Control Cover For 24" x 30" Platform:</p> <ul style="list-style-type: none"> * Waterproof with internal elastic cord around edge and external elastic cord around control cover.
1	<p>Auxiliary Let Down for use with Open Center Hydraulics:</p> <ul style="list-style-type: none"> * Allows for the descent of the boom (platform) in the most direct manner for a time limited by the duty cycle of the electric motor. * Includes 12 volt electric motor for use on a 12 volt chassis. <p>Note: This includes a switch for activation at pedestal for electric or air function.</p>
1	<p>Emergency Pump Installation Kit including:</p> <ul style="list-style-type: none"> * All necessary hoses, fittings and electrical connectors * 400 amp fuse, holder and cover * 2/0 copper power cable with Red jacket
1	<p>Platform Rest Saddle with a padded rest.</p> <ul style="list-style-type: none"> * Provides platform support during road travel
1	<p>Mounting Kit:</p> <ul style="list-style-type: none"> * Behind cab mount for use with torsion bars.
	INSTALLATION & ACCESSORIES
1	Stored Travel Height of this unit to be as low as practical and not to exceed 13' 6".
1	Frame extension for Ford Superduty Chassis
2	Side plate
2	Bottom plate
2	38" rear frame extension
1	Install Aerial Device Behind Cab And Install All Associated Components:
1	Hi-Ranger plumbing kit. Includes Parker 451TC Tough Cover hose.

QUANTITY	DESCRIPTION
1	Parking Brake Boom Interlock - Prevents the operation of the Aerial Unit unless the chassis parking brake is engaged. (For units without outriggers)
1	Front Timbren Suspension Kit
1	Rear torsion bar.
3	Counter weight as required for stability
1	Boom Rest: Pedestal mounted boom rest streetside
1	Hot Shift PTO, Muncie, Ford F550
1	PTO Shim Kit
1	Gear Pump, 5.6 GPM
2	1 1/4" Ball Valve, 1/4 Turn for hydraulic system return line to hydraulic fluid reservoir.
1	DUECO standard test coupler/cap.
1	Unit filled, powered and then topped off with correct amount of oil.
25	Red hydraulic oil - Flomite 530R - 5606 Mil Spec.
1	Body Mounting Kit:
2	Spring body mount
4	Body mounting bracket, rubber mount.
4	Grommet for body mounting bracket
1	Fiberglass Service Body
	A quality Fiberglass Service body designed for an 84" CA chassis will be provided. The body will be constructed as follows:
	-Approximate overall body dimensions: 132" L x 94" W
	-6" Steel understructure
	-Aluminum rock guards at the front of the body
	-Gel coat WHITE to match cab
	-Non-skid top of body compartments
	-Aluminum treadplate floor
	-Smooth aluminum front bulkhead
	-Automotive undercoating
	-Full LED lighting package
	Included with the body are sidepack compartments located on both sides. The compartment bodies have the following features:
	-Compartment height: 42" H
	-Compartment depth: 20" D
	-White compartment interiors
	-Stainless steel hardware, door hinges, rotary latch
	-Recessed door jambs
	-Recessed door seal system
	-Flow through ventilation system
	Curbside compartmentation:
	First Vertical
	-Side accessway with two (2) aluminum side entry gripstrut steps
	-Two (2) Stainless steel grab handles

QUANTITY	DESCRIPTION
	Second Vertical -Seven (7) locking swivel hooks (2-3-2)
	Horizontal Compartment -Open
	Rear Vertical Compartment -Three (3) adjustable shelves with 2" dividers
	Curbside accessories: -Aluminum basket 108"L X 20"W X 12"H mounted on top of curbside compartments
	Streetside compartmentation:
	First Vertical -Three (3) Adjustable shelves with 2" dividers
	Second Vertical -Three (3) Adjustable shelves with 2" dividers
	Horizontal Compartment -Open
	Rear Vertical Compartment -Open
	Tailshelf to be supplied at the rear of the body. Tailshelf has the following features: -24" Aluminum treadplate -Thru shelf with doors on both sides
	Additional body accessories: -Removable wheel well panels -Two (2) wheel chock holders for 8" x 8" chock to be located in fender -Two (2) bolt-on grab handles mounted on rear face of streetside and curbside compartments, inward edge of compartments
2	28" high x 6.5" deep aluminum hand rail. One (1) installed each outer edge of tailshelf.
1	Aluminum Fuel Filler Guard - Install on streetside front corner of tailshelf. Box in the filler hose inside the thru compartment.
1	Mudflap Kit to Include:
2	Mud flaps with DUECO Logo
2	Aluminum mud flap straps.
2	24" wide aluminum mud flap brackets.
1	Rear weldment, horizontal channel for use with torsion bar
2	Lower gripstrut access step, 18"L x 7"D (approx), bolt on off of horizontal bumper channel one (1) each side.
1	Pintle Hook, 2" ball hitch. Height to be determined upon approval drawing.
1	Mount for pintle hook 10,000lb capacity.
1	Pin, hitch assembly
1	Phillip's 7-prong split pin trailer socket, install at rear of truck.
1	Bracket for trailer socket.
1	Junction box, Trucklite 12 port with clear lid
1	Bracket, electrical box
1	Rubber boot for 7-prong trailer socket.

QUANTITY	DESCRIPTION
1	Install Body manufacturer supplied LED tailshelf lighting kit.
1	License plate light kit, LED
1	License plate bracket
1	Tailshelf electrical wiring harness.
2	Preco strobe light, 6" Quad flash, flange mount.
2	Bracket, post style with base, to mount strobe light on body.
1	Arrow Light Bar with Control in Cab. Modify to mount between chassis frame under tailshelf.
1	Extension cable, 15' for Whelen traffic advisor light
1	Bracket for mounting arrow light below tailshelf
1	Sound-off ERDREBZA 4" round flashing amber LED grommet mounted light. Locate in rear tailshelf.
1	Main electrical wire harness used with all trucks.
1	Hartfiel combo controller for medium and light duty chassis.
1	Required parts for installation of a Hartfiel combo chassis controller.
1	Standard switch panel for Hartfiel combo chassis controller installed in a chassis. Includes 8 switches and digital hour meter.
1	Chassis electrical and hook up. Accessory items (e.g. strobe lights) will utilize weather pack connectors. All other connection (e.g. Butt splices and ring terminals) will be soldered and heat shrunk where possible.
1	Special Engine Programming Placard.
2	Push button switch for 2 Speed and Stop Start function
2	Dish for each button.
1	Engine Two Speed Throttle Control: * A two speed engine throttle control is provided at the upper controls and lower controls. The engine shall advance to a pre-set speed when engaged and decrease when it is disengaged. * Only to be used when operating tool outlets at the platform. * Unit must be ordered with auxiliary let down or auxiliary power.
1	Target Tech - Evacuator Plus Back-up Alarm; install at rear of truck
1	Two (2) grounding lugs, one (1) bolt-on grounding lug installed on the curbside rear bumper upright and one (1) weld-on grounding lug installed on the curbside front outrigger leg. Lugs are compatible with either a 1-point or 3-point grounding system.
1	Bolt-on stainless steel grounding lug for grounding clamp connections. Lug is 3/4" diameter with a 6" long clamping surface.
1	Standard Decal and Placard Kit for Aerial Unit.
1	Paint accessories WHITE to match chassis cab. Aerial device powder coat WHITE by TEREX. Body gel coat WHITE by body vendor. Paint tailshelf, rear bumper area, and underbody BLACK. Paint body cargo area and top of tailshelf with non-skid. DOT Inspection.
1	Crating, handling and freight on aerial.
1	Miscellaneous parts and supplies.

QUANTITY	DESCRIPTION
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1	Final test and inspection of completed unit including stability and dielectric testing per manufacturer's requirements and ANSI A92.2 for Aerials.
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1	Delivery to be F.O.B. St. Charles, IL
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1	Customer furnished chassis
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Ford F550 4x2

Engine: Gas

CA: 84"

Front Axle: 6500lbs

Rear Axle: 13500lbs

GWVR: 19000lbs

Transmission: Automatic

Color: White

Minimum required: 62R (Trans PTO Prov); 52B (Trailer Brake Controller)

Note: DUECO requires a customer provided chassis specification with codes for engineering review prior to order of chassis.