

Please do not use this for bidding purposes:

It is the only part of this contract that can be sent electronically.

If your company is interested in bidding this project after the review of the technical portion please e-mail your request for documents to sjhopwo@nppd.com.

Your request should include: company name, shipping and mailing address, phone, fax, e-mail address, and the name of the person the documents should be sent to.

Thank you!

SECTION G
PART I - GENERAL PROVISIONS
72 FOOT REAR MOUNTED AERIAL LIFT WITH MATERIAL
HANDLING WINCH SPECIFICATION AND DATA TO BE INCLUDED WITH BID

A. SCOPE

Part I of this G section establishes the requirements for the 72 foot rear mounted aerial lift to be furnished and delivered under this Contract including all components and accessories as specified herein.

B. INTENT

It is intended that these specifications establish design and operating conditions and indicate the general construction. It is further intended that the CONTRACTOR shall provide an aerial lift that is complete and operable. Incidental items which are essential, but which may not be specifically described by these specifications, shall also be furnished. All items furnished shall be new and of the best available quality.

All components and/or structure shall be chassis/equipment Original Equipment Manufacturers (O.E.M.) authorized and approved. All components shall meet the O.E.M. specifications.

C. ACCESSORY EQUIPMENT

All accessory equipment or production options to be furnished on the aerial lift shall be installed and operable upon delivery.

The CONTRACTOR providing the aerial lift shall be responsible for providing any controls or components to the specified cab and chassis beyond those specified herein which are necessary to make the mounted equipment fully operational and for verifying the compatibility with the cab and chassis.

Assembled units are required to meet all current governmental and industry standards for a truck-mounted aerial lift.

D. INSPECTION

At its option, the DISTRICT may choose to inspect the unit at the CONTRACTOR'S facilities prior to painting. CONTRACTOR shall notify DISTRICT when the unit will be available for inspection.

E. PRE-BUILD CONFERENCE

The CONTRACTOR'S bid shall include the costs for a pre-build conference, which shall include a minimum of an engineering representative and operation's sales representative from the CONTRACTOR'S company and selected DISTRICT personnel (to be determined by the DISTRICT). This conference shall be held at the DISTRICT'S Operations Center facility located in York, Nebraska, and shall be scheduled at the earliest date all representatives are available after Contract award. This conference will be used to review the details of all specifications, provide clarifications to any specifications for either party, and discuss any changes which may be available providing benefit to the DISTRICT.

F. INSPECTION

At its option, the DISTRICT may choose to inspect the unit at the CONTRACTOR'S facilities prior to painting. CONTRACTOR shall notify DISTRICT when the unit will be available for inspection.

G. DESCRIPTIVE DATA

The Bidder shall furnish with the bid two (2) copies of all descriptive bulletins, catalog cuts, and other information describing design and construction features of the equipment being offered.

H. TECHNICAL EXCEPTIONS

Any "No" responses to "Meet Specification" need to be referenced and explained on the pages provided at the end of each section. It will be assumed all "Yes" responses meet or exceed the specification in its entirety. Any deviations shall be marked with "No" and explanation provided. If more room is needed, make extra copies of the sheet provided. For clarifications of commercial or technical specifications please contact the Procurement Specialist in Section B, paragraph E.

I. RECEIVING CAB AND CHASSIS

In the event the CONTRACTOR is awarded Part I, it shall be the CONTRACTOR'S responsibility to inspect the diesel truck chassis that will be drop shipped to their facility. The diesel truck chassis should be inspected for freight damage and compared to the diesel truck specifications provided by the DISTRICT. Notification of shipment received shall be forwarded to Kevin C. Bearinger, (402) 362-7220, including any damage reports or deviations from specifications identified. The CONTRACTOR shall also take note of the VIN of the chassis and provide the same with the report of shipment. The DISTRICT will provide information sheets, which are to be completed by the CONTRACTOR and returned to the DISTRICT. These information sheets are provided in addition to any standard received report the CONTRACTOR uses, if any.

J. OPERATION AND MAINTENANCE MANUALS

The CONTRACTOR shall furnish two (2) complete sets of operation and maintenance

manuals and part manuals for the equipment being provided under this Contract at time of delivery to York. The parts and maintenance manuals shall be complete with maintenance procedures and actual parts description (mfg., part no., etc.) for all components on the aerial lifts whether mounted equipment is O.E.M. or CONTRACTOR supplied. Any parts not on the machine shall be clearly marked as “omitted” to result in an “As-Built” set of manuals.

K. FACTORY INSTALLATION

If the manufacturer has requirements available from factory, the items shall be factory installed; if factory-installation is not available, it shall be noted as a dealer-installation and as an exception.

L. PRELIMINARY DRAWINGS

The Bidder shall include preliminary drawings, which shall include any major components, dimensions, and preliminary weight study and center of gravity expectations. These drawings shall be submitted with the bid.

M. APPROVAL DRAWINGS

The CONTRACTOR shall provide the DISTRICT with installation drawings for Part I (minimum views rear, each side and a “bird’s eye” top view) no later than 14 days after receipt of chassis for the DISTRICT’S approval prior to installation. The drawings shall include any major components, dimensions, weight study, and centers (horizontal and vertical) of gravity notation. These drawings shall be sent to: Kevin C. Bearinger, Nebraska Public Power District, 907 West 25th Street, P.O. Box 608; York, NE 68467.

All components and/or structure materials not supplied by the chassis O.E.M. shall be identified by description and manufacturer or part number, if applicable. Approval drawings shall also include written authorization from chassis O.E.M. to use those components and/or structure materials.

N. SERVICE ORIENTATION

The CONTRACTOR shall provide the DISTRICT with a minimum four (4) hours operator orientation and eight (8) hours service orientation by factory trained personnel prior to the DISTRICT putting the units into service. This time guideline shall be in no case, less than the time required to adequately orientate DISTRICT personnel with the “needs to know” information or proper operation and service information for the units supplied. In the event the “needs to know” requirement has been satisfied in the eyes of the DISTRICT before the orientation times stated above has expired, the DISTRICT may suspend the remaining portion. The DISTRICT may at its option elect to video tape the orientations to use for future service orientations.

O. INSTALLATION MODIFICATIONS

Costs for relocation of components, such as batteries, exhaust systems, air tanks, brake boosters, or fuel tanks that are required to accommodate the Bidder's equipment shall be included in the Total Firm Base Bid. All such modifications shall not compromise federal safety regulations and shall be made in accordance with industry standards and such changes shall not hinder the service-ability of either the chassis or the mounted equipment.

P. MADDC WARNING LABELS

Location on the aerial lifts to be determined at pre-paint inspection.

Q. MANUFACTURER'S EXPERIENCE

The CONTRACTOR shall have manufactured no less than six (6) units in the last five (5) years of the same model series bid with the following options:

- Radio Remote Controls

Provide contacts of six (6) units manufactured by the Manufacturer with these options in the last twelve (12) months:

Company Name	Current Phone Number	Current Contact Name:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

R. SPECIAL TOOLS

The CONTRACTOR shall supply with the units any special tools required to service the units. A total quantity of three (3) for each model unit provided shall be supplied.

Are any special tools required? (Yes/No)_____

If yes, describe tool:_____

S. CONTRACTOR'S AUTHORIZATION AND EXPERIENCE

Installation of the mounted equipment on the DISTRICT'S furnished cab and chassis must be performed by an authorized dealer or installer of the mounted equipment manufacturer. Such certification shall be a part of the submittal requirements of this bid. Installer shall have installed no less than six (6) units of comparable size and complexity in the last 12 months.

Provide contacts of six (6) units installed by this installer in the last twelve (12) months:

Company Name	Phone Number	Contact Name:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Location where unit will be installed _____
(Address)

(Phone)

T. SPECIFICATION FOR 72 FOOT AERIAL LIFTS

The equipment to be furnished under this specification shall be new and of the latest improved model in current production as offered to the commercial trade market.

Truck specifications will be attached or provided upon request.

Dimensions and capacities listed are minimal acceptable specifications and intended to be used as a guide. Variations from this specification shall be clearly noted by Bidder in writing and submitted with the bid.

U. NON-COMPLIANCE STATEMENT

Read this specification carefully. Any and all exceptions to this specification must be written on or attached to quotation request. Non-compliance may deem your bid non-responsive. If manufacturer has requirements available from factory, then item must be factory-installed; if factory-installation is not available, then it must be noted as a dealer-installation and as an exception.

V. REAR MOUNTED 72 FOOT AERIAL LIFT MINIMUM REQUIREMENTS

Working height	72 feet
Platform size	34 inch by 60 inch end mounted
Travel height stowed	13 feet 6 inches

Chassis to be provided separately	CHASSIS
Chassis	4x4 All wheel drive
Engine Size:	315 HP Diesel/
Tire Size:	11R 22.5
GVWR:	33,000
Cab to Axle	168 inches

Make _____ Model _____

Series, Code, Trim Level _____

Platform Size _____ Working Height _____

Delivery time after receipt of order: _____ Days.

The original manufacturer's statement of origin, a service authorization card, and a properly executed service and warranty policy shall accompany each vehicle when delivered.

YES	NO	OTHER	1.	AERIAL LIFT CONFIGURATION (Rear mounted)
			A.	Unit shall be designed, manufactured, and tested to comply with the applicable portions of ANSI A92.2. This will include current applicable standards for Aerial Work Platforms.
			B.	Unit once installed on chassis shall meet Nebraska DOT requirements to travel the highway systems without special permits. (over-weight, height, length, etc.)
			C.	Maximum Vehicle length shall not exceed 29 feet when stowed for road travel.
			D.	Completed unit when mounted on the chassis shall not exceed 13 feet 6 inches when mounted on a chassis with a 46" Unladen ground to top of frame height.
			E.	Unit: To be mounted over the rear axle with the boom mounting over the cab of the truck.
			F.	Unit: Boom to be constructed of min high strength steel tube sections
			G.	Unit: Shall have a working height measured from the ground to the bottom of the platform of 72 ft. (minimum) at 80 degrees
			H.	Unit: Shall attain a minimum horizontal reach of 61 feet as measured from the centerline of rotation to the centerline of the

YES	NO	OTHER	1.	AERIAL LIFT CONFIGURATION (Rear mounted)
				platform.
			I.	Unit: Manufacture to provide a Range Diagram that shows the working reach and height diagrams that the Aerial lift is capable of working in.
			J.	Unit: Shall have a LMI System. A hydraulic overload protection system with hydraulic function lockout to protect the main boom, which will keep the operator from putting the aerial lift outside of its reach and capacity diagrams.
			K.	Unit: Shall be equipped with a cab protection feature that will prevent the boom or the platform from being lowered down and coming in contact with the cab or mirrors.
			L.	Unit: All cylinders to be equipped with holding valves that will prevent the cylinder from moving in case of a hose failure.
			M	Rear Outriggers: Outriggers shall be of the out and down design on both the front and the rear of the unit.
			N.	Rear Outriggers: Horizontal and vertical movement of the outriggers shall be individually controlled.
			O.	Rear Outrigger bed openings: There shall be a hinged cover that folds up when the out portion of the outrigger is retracted. The covers should also fill in the hole in the bed when the outriggers are extended. If the outrigger tubes extend above the flatbed.
			P.	Front Outriggers: Shall be of the A-frame/H-frame style with fold up outrigger shoes.
			Q.	Outriggers: To have a penetration of minimum of 8 inches below normal ground level
			R.	Outriggers: cylinders shall be of the double acting type equipped with integral pilot operated check valves capable of preventing drift from both the retracted an the extended positions even in the event of loss of hydraulic power or line failure.
			S.	Unit: Rotation: Turret shall rotate on a ball bearing rotation bearing
			T.	Unit: Rotation: Boom/turret must have full 360 degrees continuous rotation
			U.	Unit: Rotation: The rotation system shall be capable of rotating the maximum rated load capacity of the unit at the maximum attainable horizontal distance away from the pedestal upwards on a five degree incline.
			V.	Boom: Shall consist of four (4) Non-insulated sections with three (3) sections telescoped hydraulically.
			W.	Boom: All stages hydraulically extended, hydraulically retracted
			X.	Boom: the 4 section boom shall have a length of 18 feet to 72 feet
			Y.	Boom: The boom shall attain and arc of travel no less than 80 degree above horizontal and 17 degrees below horizontal, 98 degrees total travel.
			Z.	Boom: Shall be equipped with rollers for winch cable to pass over

YES	NO	OTHER	1.	AERIAL LIFT CONFIGURATION (Rear mounted)
			AA.	Boom: Boom tip shall be equipped with a wire rope sheaves to allow material handling winch to be used without the basket attached
			BB.	Boom: Shall have a three ton top dead end to attach the end of the material handling winch cable to when two parting the cable.
			CC.	Boom: Boom to be equipped with an Anti-two block switch to protect unit from damage.
			DD.	Boom: Main boom section shall be equipped with a retainer at the platform end to stow winch cable when not in use. Retainer shall incorporate a spring to allow cable to move freely when boom is raised and lowered and not cause binding of the cable on the winch drum.
			EE.	Winch: Unit to be equipped with a material handling winch mounted at the turret end of the main boom with the winch cable being routed over the top of the main boom.
			FF.	Bidder is required to provide Line Drawings or Concept drawings for the Aerial Work Platform, flatbed, & outriggers, with their bid response.
			GG.	Special tools required to service unit shall be provided by the CONTRACTOR with the unit.

Comments: _____

YES	NO	OTHER	2.	UNIT CONTROLS
			A.	Controls: All controls to allow “feathering” of functions, and multi-function operations.
			B.	Lower Controls: Turret mounted control console to operate boom functions, tool circuit, winch, platform leveling, engine throttle, and engine Start/stop.
			C.	Lower Controls: At the turret shall be positioned so that as you stand at the controls the operator is looking down the boom with out turning their body or shoulders to actuate controls.
			D.	Lower Controls: controls at the turret shall rotate with the boom.
			E.	Lower Controls: Shall have individual control valve handles to override each boom function.
			F.	Lower Controls: Shall be mounted on the street side of the turret.
			G.	Upper controls: for operation of all Boom functions, platform leveling, Engine start/stop, Engine throttle and tool circuit controls.
			H.	Upper controls: Control handles on the transmitter shall incorporate safety collars for unlocking handles prior to movement, and to prevent unintentional movement of the boom functions.
			I.	Upper Controls: Shall have a switch at the Platform to turn on and off the inverter mounted in the toolbox on the truck.
			J.	Upper Controls: Shall be fitted with a cover to keep controls out

YES	NO	OTHER	2.	UNIT CONTROLS
				of the weather when not in use. Cover shall be designed to keep controls covered during road travel and shall be of tarp material or made from metal and hinged.
			K.	Upper Controls: 110 volt duplex outlet located so that it is accessible from the platform. Wire into the Dimensions 2400 watt inverter installed on the truck.
			L.	Radio Remote Controls: for operation of all Boom functions, winch control, platform leveling, Engine start/stop, Engine throttle and tool circuit controls.
			M.	Radio Remote Controls: Control handles on the transmitter shall incorporate safety collars for unlocking handles prior to movement, and to prevent unintentional movement of the boom functions.
			N.	Radio Remote Controls Storage: Provide a foam filled case made to store the radio remote controls in when not in use. Case shall have solid sides and foam made to cradle remote control transmitter.
			O.	Winch Controls: Controls to operate the winch shall be located at both the lower controls and Radio Remote controls.
			P.	Winch Controls: Winch enable/lockout switch provided to shut winch control off when winch line is attached to anchor point on boom. (Prevent cable, winch, or attachment point damage from accidental engagement of winch control when winch cable is stored).
			Q.	Outrigger Controls: Controls for the street-side outriggers shall be positioned on the rear at the street-side of the truck to allow operator to view the outriggers as they go out and down.
			R.	Outrigger Controls: Controls for the curb-side outriggers shall be positioned on the rear at the curb-side of the truck to allow operator to view the outriggers as they go out and down.
			S.	Rear Outrigger Controls: Each outrigger shall have its own control allowing vertical down operation at any point from fully retracted to fully extend. Each outrigger shall be visible from its actuating control and each control must be operable from the ground.
			T.	Outrigger Controls: Selector valve to select outriggers or aerial lift. To lockout outrigger operation when aerial lift is being used. Prevent inadvertent outrigger motion by personnel on the ground.
			U.	Outrigger Controls: Two speed throttle control and engine start/stop controls located at one of the rear outrigger control stations.
			V.	Controls: Each control and switch to be clearly labeled to define function and direction of operation.

Comments: _____

YES	NO	OTHER	3.	PLATFORM AND MATERIAL HANDLING WINCH
			A.	Personnel platform: 40 in. wide by 60 in. in length.
			B.	Personnel platform: End mounted hydraulic self-leveling platform.
			C.	Personnel platform: Minimum 2 man Platform with a minimum rating of 600LBS at any boom position.
			D.	Personnel platform: Platform shall be built per ANSI A92.2
			E.	Personnel platform: Platform shall include a shear ball rotation bearing and a hydraulic worm-gear rotator capable of allowing the operator to rotate the platform horizontally through an arc of no less than 90 degrees left and 90 degrees right of normal position.
			F.	Personnel platform: Platform to be removable with out the need for tools.
			G.	Personnel platform: Mount attachment ring(s) on platform for safety belt lanyard. Attachment points shall not be in the platform floor and should be located near the center of the platform.
			H.	Personnel platform: Platform shall be equipped with a safety chain over platform opening.
			I.	Personnel platform Leveling: Shall be hydraulically maintained relative to the chassis frame in all operating positions of the unit.
			J.	Personnel platform Leveling: Control valves shall be located at both the lower controls and upper controls to allow the operator manually override the leveling system to adjust the basket leveling position.
			K.	Material Handling: Provide winch mounted to the turret end of the main boom section with winch cable routed over the top of the main boom.
			L.	Winch: Shall be a high-efficiency planetary type with integral load-holding brake.
			M.	Winch: To have a 5000 LBS bare drum rating.
			N.	Winch: To be supplied with 210 feet of 3/8 inch diameter cable.
			O.	Winch: One 50 lbs down haul ball required.
			P.	Block: Provide a Crosby T-921-B two part block to be rated at a minimum of 4 tons.
			Q.	Block: Provide a Crosby 8 ½ S-1 Jaw & hook along with standard hook.
			R.	Winch: Controls to be pressure compensated to allow feathering the winch and one boom section simultaneously.
			S.	Winch: Required lifting capacity of 1,100 lbs at 61 feet radius and 5,900 lbs at a 2 ft radius.
			T.	Platform/Boom/Winch: Winch line shall be able to be routed through sheaves at boom tip with out the removal of the platform.

Comments: _____

YES	NO	OTHER	4.	HYDRAULIC SYSTEM
			A.	Hydraulic oil: Be compatible with Conoco MV32 Hydroclear AW Hydraulic Oil (http://lubes.conoco.com/NR/rdonlyres/6B1E984E-92A5-41D5-8FA3-343A2E615CF9/0/C_Hydroclear_AW.pdf)
			B.	Hydraulic pump: Hydraulic pump: Pump properly engineered for the application with shaft to match PTO, flange mount and provide needed flows to operate all functions and multiple functions at less than 1200 Engine RPM.
XX	XX	XXXX	C.	Hydraulic pump: Make:_____ Model:_____
			D.	PTO: Power take-off shall be an air shifted. Mount controls on dash so it is accessible to driver from normal driving position. Ratio to provide optimum GPM at less than 1200 engine RPM.
			E.	PTO: to be operable in neutral only.
			F.	Hydraulic reservoir: Minimum capacity of on gallon for each gallon-per-minute capacity of the pump.
			G.	Hydraulic reservoir: Shall have a sight level gauge with thermometer
			H.	Hydraulic reservoir: Filler opening shall be of such design as to prevent oil from splashing out of the reservoir.
			I.	Hydraulic system: shall have suction screen and/or filter at the tank with bypass relief and a bypass actuation lighted indicators. System shall be equipped with a 10 Micron filter in the return line and Ball type shut-off valves in both the supply and return lines at the reservoir for servicing filters and/or screen on either suction or return side.

Comments: _____

YES	NO	OTHER	5.	EQUIPMENT AND BODY INSTALLATION
			A.	Boom stowage: support behind cab. Built to allow stowage of boom as close to top of the cab as possible to allow for the lowest possible travel height.
			B.	Cab Guard: cab-guard windshield guard shall be equipped.
			C.	Cab Guard: Steps shall provide access to the top of the cab guard and access walk way to the platform while unit is stored.
			D.	Flatbed: 18 foot metal flatbed with steel rub rail and stake pockets. Floor to be covered with a Rhino/Linex covering that is a minimum 3 mils thick.
			E.	Flatbed: To be steel and structure undercoated and exposed steel painted white. Rear facing metal to be painted Orange. DuPont Imron 31XH.
			F.	Flatbed: Storage lockers: two lockers mounted behind the cab in the front corners of the bed. One on each side of the truck with

YES	NO	OTHER	5.	EQUIPMENT AND BODY INSTALLATION
				doors opening towards the street and curb respectively, with the door hinges mounted towards the cab. Edge of lockers to be flush with the outside of the flatbed. With an open space in the middle.
			G.	Flatbed: Storage lockers: Lockers to be 24 inches wide (front to rear of truck), 30 inches deep (flatbed edge to center of truck) by 36 inches tall.
			H.	Flatbed: Storage lockers: Doors to be equipped with an over-center door check. Or a rod and spring style opener that will keep the door open when not parked on a level surface or when the wind is blowing against the open door.
			I.	Flatbed: The open space (area) in the center of the bed between the storage lockers: Slots shall be provided on the rear edge of the storage lockers to allow a 1 x 12 to be placed between the lockers creating an open storage area between the storage lockers.
			J.	Flatbed: To be equipped with two under-bed toolbox mounted approximately 3 foot back from the front of the storage lockers on both sides of the truck. Under-bed box to be 24 inches long, 18 inches tall and 20-24 inches deep. Door to be hinged on the bottom of the box.
			K.	Flatbed: Toolboxes and storage lockers to be water tight and have gaskets all around door openings and rain shields/drip rail on top and leading edges.
			L.	Flatbed: Under-bed toolbox to have reinforced doors with chain stops.
			M.	Flatbed: Toolboxes and storage lockers to be equipped with locking flush slam-type latches keyed alike.
			N.	Flatbed: rear of truck shall be fitted with RV style leveling indicators (one each side) leveling indicators shall be mounted at each outrigger operating control. RV Levels should be similar in design to HOPPY Part number 08525 screwed on to the rear of the unit. (Self-sticking levels will not be accepted).
			O.	Flatbed: Access ladders at the front of the flatbed on both sides with grab rail on flatbed deck. Ladders should stow under the bed and have a shield under the stowage area to prevent mud from accumulating on the ladder during travel.
			P.	Flatbed: Access ladder with grab rail to flatbed deck at the street-side rear of flatbed positioned so that the ladder gives direct access to the operator's station.
			Q.	Towing: Pintle hook mounted at 27 in. +/- 1 in. to the bottom of the opening. Pintle shall be a Holland PHS125A. Two D-rings mounted at 25 in. (+/- 1 inch) to center of mounting plate from the ground and not more than 8 inches from the center of the Pintle hitch.
			R.	Towing: Two D-rings must be large enough to accommodate a "CM Clevlok sling hook" produced by CM chain used as a safety chain, which has a throat of approx. 1.3 inches and length of 4.5

YES	NO	OTHER	5.	EQUIPMENT AND BODY INSTALLATION
				inches.
			S.	Trailer Plug: Install a 7 blade “RV” style flat blade trailer receptacle no more than 4 inches above and not more than 6 inches right or left of the center line of the Holland PHS 125A pintle hook. Similar to Valley Industries P/N 52400/5240 7 way flat blade style female connector or equivalent.
			T.	Outrigger Pads: Provide 4 each Dica outrigger pads part number D2424.
			U.	Front Outrigger Pad storage: Pad storage holders to be build under the flatbed at the front of each side of the truck. Holders to store the outrigger pads horizontally with the truck bed.
			V.	Rear Outrigger Pad storage: each outrigger will have a pad holder mounted to allow the outrigger pad to be stored vertically (on its narrow side) on the out portion of the outriggers. The pads will be carried out with the out portion of the outrigger.
			W.	Outrigger Pad storage: on the outriggers will accommodate a 24” wide x 24” long x 3” high wooden outrigger pad.
			X.	Outrigger Pad storage: The outrigger pads will be retained in the holders with a chain and snap clasp.
			Y.	Platform Stowage: Provide a place on the flatbed to stow personnel platform when removed from the end of the boom.

Comments: _____

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
			A.	Wiring: All electrical wiring to be soldered and heat-shrink wrap sealed and installed in split loom. “Scotchlock” connectors are unacceptable.
			B.	Wiring: All wiring that passes through compartments (Especially metal walls) will have grommets to protect the wire insulation from being chaffed and causing shorts.
			C.	Lighting: Lights and reflectors in accordance with FMVSS #108 lighting package.
			D.	Lighting: LED lights for marker/clearance/tail/turn and stop lights. Backup lights to be incandescent.
			E.	Ground Cable: Install DISTRICT grounding clamp on turret and attach jumper wire from turret to frame and attach the 2 AWG ground cable at this point. The ground connection to the chassis of the vehicle shall be made by means of a 'two-hole pad' welded to the frame of the vehicle. If the vehicle contains a derrick or turret pedestal mounting, an

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				<p>additional 'two-hole pad' attachment shall be welded to the turret pedestal. The attachment pad on the turret pedestal mounting must be accessible and visible for inspection and testing with limited movement or effort. Connection to the 'two-hole pad' shall be with a straight bronze terminal cable to flat connector. Replacement bolts will be needed for the attachment. Nuts are not required as the bolts are screwed into the 'two-hole pad'. All ground jumper cables shall be of the standard #2 grounding cable with compressed ferrules and shrink fit boots on each end. The connection point for the external safety ground is to be the at the turret pedestal ground pad. The attachment of the external safety ground to the turret pedestal shall be by means of grounding terminal ferrule properly installed on the end of the external safety grounding cable.</p> <p>Parts for installing acceptable ground cables: <u>All ends of the #2 copper ground cable jumpers shall be terminated with a shrouded plain ferrule and a grounding cable shrink boot. Each Cable piece includes:</u></p> <p>1 each type 'B' Grounding Cable, CU #2 AWG 1638 Str (length as required)</p> <p>2 each type 'C' Grounding Terminal CU Ferrule #2 Plain End</p> <p>2 each type 'D' Grounding Terminal Shrink Boots</p> <p>GROUNDING CABLE, CU, NEOP X-FLEX NO. #2 AWG 1638STR A.B.CHANCE S6116</p> <p>GROUNDING TERMINAL, CU FERRULE #2, PLAIN END A.B.CHANCE C600-2630</p> <p>GROUNDING TERMINAL, SHRINK BOOT A.B.CHANCE P600-1593 RAYCHEM 207W613-25-0</p> <p>Attachment to vehicle frame will require: 1 each type 'A' two-hole attachment pad welded to the vehicle frame; 1 each type 'F' clamp, tower, grounding, CU cable to flat; 2 each bolts, washers, and lock washers. Attachment to pedestal frame will require: 1 each type 'A' two-hole attachment pad welded to the pedestal frame; 1 each type 'F' clamp, tower, grounding, CU cable to flat; 2 each bolts, washers, and lock washers.</p>

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				CLAMP, TOWER, GROUNDING, CU, BOLT TYPE 2 GRD, 2/0-250 HOMAC 2710-2-45 SEFCOR GTT2-14-N-B-1/2-T CLAMP GROUNDING: Chance P/N C600-2231 This will be attached at the end of the 60 foot 2 AWG cable
			F.	Ground Cable: Route 2 AWG ground cable below the bed floor between turret attaching point and the ground holder location.
			G.	Ground Cable: Provide 60 feet of 2AWG ground cable (measured from the ground cable holder) from ground hanger to Chance grounding clamp at end of the cable.
			H.	Ground Cable Holder: Bott Cable Holder: 6" radius holder size # 2 from Bott USA. http://www.bottusa.com/shop/listCategoriesAndProducts/asp?idCategory=58
			I.	Ground Cable Holder: Mount in the center of the rear of the truck with cable holder facing to the rear. Ensure that when cable is rolled up on the holder it does not interfere with the lights or the pintle hitch.
			J.	Lighting Kit: Purchase Superior Signal Part number: NPPD KIT # SYD/A08 Kit contains: 2ea. Superior Signals P/N SYLED04AA amber LED strobe light. 2ea. Superior Signals P/N SYMB04-S mounting bracket. 4ea. Superior Signals P/N SY4405A oval, amber LED strobe light. 2ea. Superior Signals P/N SYRS5525P plastic light housing. 2ea. Superior Signals P/N SY22030LA low mount amber strobe. 2ea. Superior Signals P/N SYBGL low mount wire brush guard. 2ea. Superior Signals P/N SYSS lens top black out decal. 2ea. Superior Signals P/N STA3300012 boom mounted work light. (digger only) 1ea. Superior Signals P/N SY714412 55 watt halogen work light. 1ea. Superior Signals P/N SY7900 wireless remote control spot light. 1ea. Superior Signals P/N STA20502 back up alarm. 1ea. Contents list.
			K.	Strobe lights: Install strobe light system Superior Signal part: 2ea. Superior Signals P/N SYLED04AA amber LED strobe light. 2ea. Superior Signals P/N SYMB04-S mounting bracket. 4ea. Superior Signals P/N SY4405A oval, amber LED strobe light.

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				2ea. Superior Signals P/N SYRS5525P plastic light housing. 2ea. Superior Signals P/N STA3300012 boom mounted work light. (digger only) 1ea. Superior Signals P/N SY714412 55 watt halogen work light.
			L.	<p>Strobe light installations: P/N SY4405A: 4 Each 6 ½ inch oval strobe head mounted as follows:</p> <p style="padding-left: 40px;">2 each mounted on the rear of the truck on the inside of the taillight and reverse lights,</p> <p style="padding-left: 40px;">2 each mounted in poly boxes, P/N SYRS5525P, one on the street-side (driver's side) and 1 mounted on the curbside (passenger side). Locate the front of the poly box 6 inches to the rear of body from the front and mount it in from the side so that the face of the light is 2 ½ inches in from the outer edge of the service body. If the outrigger pad stowage is in this location mount the box behind the outrigger pad stowage bracket and at the same recessed 2 ½ inches to the light face.</p> <p>P/N SYLED04AA/ P/N SYMB04-S/grill lights: 2 each mounted under the front grill. Ensure that if the lights do not come with the weather pack type connector that one is installed at the time of assembly</p> <p>Switch: Lighted rocker switch to be illuminated when strobes are in the on position. Switch should mount in the factory rocker panel knockout and be labeled above/beside/below switch with "STROBE LIGHTS"</p>
			M.	<p>Boom work lights: Install two boom work lights. One on each side of the boom mounted at the base end of the main boom, shinning down the boom. Switch located in the truck cab.</p>
			N.	<p>Boom work lights: Use superior signal lights part number: Superior Signals P/N STA3300012 boom mounted.</p>
			O.	<p>Cargo bed light: Mount under the boom rest shinning to the rear of the truck to illuminate the cargo bed of truck when turned on. Switch to be located in the truck.</p>
			P.	<p>Cargo bed light: Use superior signal lights part number: Superior Signals P/N SY714412 55 watt halogen work light.</p>
			Q.	<p>Back up Alarm: Install Superior Signal Backup alarm part number: Superior Signals P/N STA20502 back up alarm.</p>
			R.	<p>First Aid Kit Holder: Install a BFX First aid Kit Holder: BFX P/N 4023359, to the inside Cab. Mounting location on door to be determined at the pre-paint meeting</p>
			S.	<p>Brake Controller: Install a Tekonsha Prodigy brake controller</p>

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				part number: Tekonsha Prodigy 90185 Mount in a location so that the drivers will not hit their legs on the controller when entering or exiting the vehicle or while driving and is easily accessible to set the gain on the unit. <i>Ensure unit is mounted in accordance to manufacturer directions to ensure proper operation.</i>
			T.	Power Inverter: Install a Dimensions Pure sine 2400 watt inverter in the street-side under-body toolbox. Mount inverter upside-down to the top of the toolbox.
			U.	Inverter: Wire the 110 volt outlet at the platform into the inverter.
			V.	Inverter outlets: Install a 110 volt duplex outdoor outlet at the rear of the flatbed on the street-side. Mount outlet so that when opened the outlets face to the rear of the truck. Mount box just below the flatbed between outrigger controls and the pintle hitch.
			W.	Fire extinguisher: Provide an Amerex Fire extinguisher and bracket with the following part numbers Amerex p/n B546 ABC dry chemical fire extinguisher and Amerex p/n B809 fire extinguisher mounting bracket.
			X.	Fire extinguisher: Mount fire extinguisher to the front of the street-side storage locker towards the outer edge of the truck between the locker and the truck cab.
			Y.	Streamlight Flashlight: Streamlight Flashlight P/N Litebox 45107 with 12 volt charging base. Mounted on the transmission tunnel. This is to be wired hot, so that the flashlight is always charging.
			Z.	Radio Remote Spot lights: Two (2) radio controlled spot lights (“Go Lights” Brand, Model Radio Ray, shipped loose) Model #BZT/G133/847K Radio Ray.
			AA.	12 Volt Outlet: Install a weatherproof 12 volt cigar style outlet plug at the rear of the truck next to the 110 volt outlet box. The outlet opening should face towards the rear of the truck. Outlet will be used to plug in the remote control spotlight.
			BB.	Mudflaps: Install mudflaps behind and in front of rear wheels.
			CC.	Mudflaps: Mudflaps to be anti-sail design and mounted so that they can not come in contact with the tires.
			DD.	Rear bumper: Equip unit with a heavy-duty steel rear safety bumper as required by ICC and DOT

Comments: _____

YES	NO	OTHER	7.	PAINT AND FINISH
			A.	Paint Prep: Metal surface shall be prepared for painting to include

YES	NO	OTHER	7.	PAINT AND FINISH
				a degreaser, chemical metal preparation treatment, self-etching primer with a urethane paint topcoat such as DuPont Imron.
			B.	Flatbed/Boom/Turret/Platform: Shall be painted white with a polyurethane paint to match chassis cab paint.
			C.	Front bumper/Outrigger Legs/rear facing metal/rear bumper: Shall be painted orange with DuPont Imron 31 UX paint code.
			D.	All sharp edges on the boom, body, substructure, etc. shall be rounded off for safety.
			E.	Stowed travel Height: Include on placard indication over-all stowed travel height of the completed vehicle installed with in clear view of the operator.
			F.	Successful CONTRACTOR to furnish production drawing to the DISTRICT for approval prior to beginning production
			G.	Special tools required to service unit shall be provided by the CONTRACTOR with the unit.

Comments: _____

YES	NO	OTHER	8.	DIMENSIONS/WEIGHT DISTRIBUTION
			A.	Travel height: when stowed shall not exceed 13 ft. 6 in., when mounted on a chassis with a frame height of 46 inches and frame to top of cab height of 63 inches
XX	XX	XXXX	B.	Overall installed height when stowed: _____ft._____in.
			C.	Weight of assembled unit shall not exceed the following: Front Axle - 10,500 lb. Rear Axle - 18,500 lb. NOTE: Assume chassis weights – 8,200 lb. (Front); 5,000 lb. (Rear)
XX	XX	XXXX	D.	Estimated weight of assembled unit – Front axle: _____lbs. Note: use conditions described above. Rear axle: _____lbs. Total weight: _____lbs.
XX	XX	XXXX		

Comments: _____

YES	NO	OTHER	9.	DELIVERY AND MANUALS
			A.	Manuals: 2 each to be delivered with the unit. Operators

YES	NO	OTHER	9.	DELIVERY AND MANUALS
				Maintenance / Parts
			B.	Training: 1. CONTRACTOR to conduct in-service training at a DISTRICT selected site for the Aerial lift operators. 2. CONTRACTOR will conduct, at a minimum, 1 day maintenance and service training at York Operations Center, York, Nebraska. Trainer shall be knowledgeable in troubleshooting procedures of the Aerial lift operating system along with the LMI system used. This training will be conducted to give maintenance personnel a working knowledge of the Aerial lift and operating systems.
			C.	Training: Manufacture to provide two (2) safety and operation video covering safe use of the aerial lift.
			D.	The Bidder shall provide Line Drawings or Concept drawings for the Aerial Work Platform, flatbed, & outriggers, with their bid response.
			E.	The Bidder shall provide bare, dry, chassis weights and mounted equipment weight to include fuel and 450# for personnel

Comments: _____

Aerial Work Platform:

Manufacturer and model _____ / _____
 Aerial Platform maximum working height (main boom) as mounted _____ ft.

Hydraulic system operating pressure/capacity _____
 Location of Aerial lift manufacturer's plant _____

Installation, Checkout and Certification:

Location of assembly plant _____
 Travel height when stowed _____
 Transmission PTO: Make _____ Model No. _____
 Hydraulic Pump: Make _____ Model No. _____
 Are any special tool required to service unit (Yes / No) _____
 If yes, specify _____

In addition to completing the above information, the Bidder shall provide the following:

1. List of names of six (6) owners of similar model Aerial work platforms specified herein purchased within the past 12 months.

	Name	Location	Person to Contact and Phone No.
a.	_____	_____	_____
b.	_____	_____	_____
c.	_____	_____	_____
d.	_____	_____	_____
e.	_____	_____	_____
f.	_____	_____	_____

2. Descriptive literature for the Aerial work platforms being provided.
3. Aerial work platforms capacity charts to include all jibs.
4. Certification that installer is an authorized dealer or installer of the Aerial work platforms manufacturer.
5. **The Bidder shall provide Line Drawings or Concept drawings for the Aerial Work Platform, flatbed, & outriggers, with their bid response.**
6. **The Bidder shall provide bare, dry, chassis weights and mounted equipment weight to include fuel and 450# for personnel.**

Technical Exceptions (if none, state none) _____

NON-COMPLIANCE STATEMENT
Read this specification carefully. Any and all exceptions to this specification must be attached to the quotation request, in ink in a legible format. Non-compliance can void your quotation.

EXCEPTIONS / COMMENTS:

Use additional pages if necessary

SECTION G
PART II - GENERAL PROVISIONS
72 FOOT CENTERED MOUNTED BACK OF CAB AERIAL LIFT WITH MATERIAL
HANDLING WINCH SPECIFICATION AND DATA TO BE INCLUDED WITH BID

A. SCOPE

Part II of this G section establishes the requirements for the 72 foot behind the cab mounted aerial lift to be furnished and delivered under this Contract including all components and accessories as specified herein.

B. INTENT

It is intended that these specifications establish design and operating conditions and indicate the general construction. It is further intended that the CONTRACTOR shall provide an aerial lift that is complete and operable. Incidental items which are essential, but which may not be specifically described by these specifications, shall also be furnished. All items furnished shall be new and of the best available quality.

All components and/or structure shall be chassis/equipment Original Equipment Manufacturers (O.E.M.) authorized and approved. All components shall meet the O.E.M. specifications.

C. ACCESSORY EQUIPMENT

All accessory equipment or production options to be furnished on the aerial lift shall be installed and operable upon delivery.

The CONTRACTOR providing the aerial lift shall be responsible for providing any controls or components to the specified cab and chassis beyond those specified herein which are necessary to make the mounted equipment fully operational and for verifying the compatibility with the cab and chassis.

Assembled units are required to meet all current governmental and industry standards for truck-mounted aerial lifts.

D. INSPECTION

At its option, the DISTRICT may choose to inspect the unit at the CONTRACTOR'S facilities prior to painting. CONTRACTOR shall notify DISTRICT when the unit will be available for inspection.

E. PRE-BUILD CONFERENCE

The CONTRACTOR'S bid shall include the costs for a pre-build conference, which shall include a minimum of an engineering representative and operation's sales representative

from the CONTRACTOR'S company and selected DISTRICT personnel (to be determined by the DISTRICT). This conference shall be held at the DISTRICT'S Operations Center facility located in York, Nebraska, and shall be scheduled at the earliest date all representatives are available after Contract award. This conference will be used to review the details of all specifications, provide clarifications to any specifications for either party, and discuss any changes which may be available providing benefit to the DISTRICT.

F. INSPECTION

At its option, the DISTRICT may choose to inspect the unit at the CONTRACTOR'S facilities prior to painting. CONTRACTOR shall notify DISTRICT when the unit will be available for inspection.

G. DESCRIPTIVE DATA

The Bidder shall furnish with the bid two (2) copies of all descriptive bulletins, catalog cuts, and other information describing design and construction features of the equipment being offered.

H. TECHNICAL EXCEPTIONS

Any "No" responses to "Meet Specification" need to be referenced and explained on the pages provided at the end of each section. It will be assumed all "Yes" responses meet or exceed the specification in its entirety. Any deviations shall be marked with "No" and explanation provided. If more room is needed, make extra copies of the sheet provided. For clarifications of commercial or technical specifications please contact the Procurement Specialist in Section B, paragraph E.

I. RECEIVING CAB AND CHASSIS

In the event the CONTRACTOR is awarded Part II, it shall be the CONTRACTOR'S responsibility to inspect the diesel truck chassis that will be drop shipped to their facility. The diesel truck chassis should be inspected for freight damage and compared to the diesel truck specifications provided by the DISTRICT. Notification of shipment received shall be forwarded to Kevin C. Bearinger, (402) 362-7220, including any damage reports or deviations from specifications identified. The CONTRACTOR shall also take note of the VIN of the chassis and provide the same with the report of shipment. The DISTRICT will provide information sheets, which are to be completed by the CONTRACTOR and returned to the DISTRICT. These information sheets are provided in addition to any standard received report the CONTRACTOR uses, if any.

J. OPERATION AND MAINTENANCE MANUALS

The CONTRACTOR shall furnish two (2) complete sets of operation and maintenance manuals and part manuals for the equipment being provided under this Contract at time of delivery to York. The parts and maintenance manuals shall be complete with

maintenance procedures and actual parts description (mfg., part no., etc.) for all components on the aerial lifts whether mounted equipment is O.E.M. or CONTRACTOR supplied. Any parts not on the machine shall be clearly marked as “omitted” to result in an “As-Built” set of manuals.

K. FACTORY INSTALLATION

If the manufacturer has requirements available from factory, the items shall be factory installed; if factory-installation is not available, it shall be noted as a dealer-installation and as an exception.

L. PRELIMINARY DRAWINGS

The Bidder shall include preliminary drawings, which shall include any major components, dimensions, and preliminary weight study and center of gravity expectations. These drawings shall be submitted with the bid.

M. APPROVAL DRAWINGS

The CONTRACTOR shall provide the DISTRICT with installation drawings for Part I (minimum views rear, each side and a “bird’s eye” top view) no later than 14 days after receipt of chassis for the DISTRICT’S approval prior to installation. The drawings shall include any major components, dimensions, weight study, and centers (horizontal and vertical) of gravity notation. These drawings shall be sent to: Kevin C. Bearinger, Nebraska Public Power District, 907 West 25th Street, P.O. Box 608; York, NE 68467.

All components and/or structure materials not supplied by the chassis O.E.M. shall be identified by description and manufacturer or part number, if applicable. Approval drawings shall also include written authorization from chassis O.E.M. to use those components and/or structure materials.

N. SERVICE ORIENTATION

The CONTRACTOR shall provide the DISTRICT with a minimum four (4) hours operator orientation and eight (8) hours service orientation by factory trained personnel prior to the DISTRICT putting the units into service. This time guideline shall be in no case, less than the time required to adequately orientate DISTRICT personnel with the “needs to know” information or proper operation and service information for the units supplied. In the event the “needs to know” requirement has been satisfied in the eyes of the DISTRICT before the above stated orientation time has expired, the DISTRICT may suspend the remaining portion. The DISTRICT may at its option elect to video tape the orientations to use for future service orientations.

O. INSTALLATION MODIFICATIONS

Costs for relocation of components, such as batteries, exhaust systems, air tanks, brake boosters, or fuel tanks that are required to accommodate the Bidder’s equipment shall be

included in the Total Firm Base Bid. All such modifications shall not compromise federal safety regulations and shall be made in accordance with industry standards and such changes shall not hinder the service-ability of either the chassis or the mounted equipment.

P. MADDC WARNING LABELS

Location on the material handlers to be determined at prepaint inspection.

Q. MANUFACTURER'S EXPERIENCE

The CONTRACTOR shall have manufactured no less than six (6) units in the last five (5) years of the same model series bid with the following options:

- Radio Remote Controls

Provide contacts of six (6) units manufactured by the Manufacturer with these options in the last twelve (12) months:

Company Name	Current Phone Number	Current Contact Name:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

R. SPECIAL TOOLS

The CONTRACTOR shall supply with the units any special tools required to service the units. A total quantity of three (3) for each model unit provided shall be supplied.

Are any special tools required? (Yes/No)_____

If yes, describe tool: _____

S. CONTRACTOR'S AUTHORIZATION AND EXPERIENCE

Installation of the mounted equipment on the DISTRICT'S furnished cab and chassis must be performed by an authorized dealer or installer of the mounted equipment manufacturer. Such certification shall be a part of the submittal requirements of this bid.

Installer shall have installed no less than six (6) units of comparable size and complexity in the last 12 months.

Provide contacts of six (6) units installed by this installer in the last twelve (12) months:

Company Name	Phone Number	Contact Name:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Location where unit will be installed _____
 (Address)

 (Phone)

T. SPECIFICATION FOR OVER CENTER MATERIAL HANDLER

The equipment to be furnished under this specification shall be new and of the latest improved model in current production as offered to the commercial trade market.

Truck specifications will be attached or provided upon request.

Dimensions and capacities listed are minimal acceptable specifications and intended to be used as a guide. Variations from this specification shall be clearly noted by Bidder in writing.

U. NON-COMPLIANCE STATEMENT

Read this specification carefully. Any and all exceptions to this specification must be written on or attached to quotation request. Non-compliance may deem your bid non-responsive. If manufacturer has requirements available from factory, then item must be

factory-installed; if factory-installation is not available, then it must be noted as a dealer-installation and as an exception.

Working height	72 feet
Platform size	34 inch by 72 inch end mounted
Travel height stowed	13 feet

Chassis to be provided separately	CHASSIS
Chassis	4x4 All wheel drive
Engine Size:	315 HP Diesel/
Tire Size:	11R 22.5
GVWR:	37,000
Cab to Axle	168 inches

Make _____ Model _____
 Series, Code, Trim Level _____
 Platform Size _____ Working Height _____
 Delivery time after receipt of order: _____ Days.

The original manufacturer's statement of origin, a service authorization card, and a properly executed service and warranty policy shall accompany each vehicle when delivered.

YES	NO	OTHER	1.	AERIAL LIFT CONFIGURATION (Front mounted)
			A.	Unit shall be designed, manufactured, and tested to comply with the applicable portions of ANSI A92.2. This will include current applicable standards for Aerial Work Platforms.
			B.	Unit once installed on chassis shall meet Nebraska DOT requirements to travel the highway systems without special permits. (over-weight, height, length, etc.).
			C.	Maximum Vehicle length shall not exceed 36 feet when stowed for road travel, and with not more then 36 inch over hang off the bed of the truck.
			D.	Completed unit when mounted on the chassis shall not exceed 13 feet when mounted on a chassis with a 46" Unladen ground to top of frame height.
			E.	Unit: To be mounted centered behind the cab with stabilization and counter-weight (if necessary) for full capacity lifts 360-degrees around the truck.
			F.	Unit: Boom to be constructed of min high strength steel tube sections.
			G.	Unit: Shall have a working height measured from the ground to the bottom of the platform of 72 ft. (minimum) at 80 degrees.
			H.	Unit: Shall attain a minimum horizontal reach of 61 feet as measured from the centerline of rotation to the centerline of the platform.
			I.	Unit: Manufacture to provide a Range Diagram that shows the

YES	NO	OTHER	1.	AERIAL LIFT CONFIGURATION (Front mounted)
				working reach and height diagrams that the Aerial lift is capable of working in.
			J.	Unit: Shall have a LMI System. A hydraulic overload protection system with hydraulic function lockout to protect the main boom, which will keep the operator from putting the aerial lift outside of its reach and capacity diagrams.
			K.	Unit: Shall be equipped with a cab protection feature that will prevent the boom or the platform from being lowered down and coming in contact with the cab or mirrors.
			L.	Unit: All cylinders to be equipped with holding valves that will prevent the cylinder from moving in case of a hose failure.
			M.	Outriggers: Outriggers shall be of the out and down design on both the front and the rear of the unit.
			N.	Outriggers: Horizontal and vertical movement of the outriggers shall be individually controlled.
			O.	Outrigger bed openings: There shall be a hinged cover that folds up when the out portion of the outrigger is retracted. The covers should also fill in the hole in the bed when the outriggers are extended. If the outrigger tubes extend above the flatbed.
			P.	Outriggers: To have a penetration of minimum of 8 inches below normal ground level.
			Q.	Outriggers: cylinders shall be of the double acting type equipped with integral pilot operated check valves capable of preventing drift from both the retracted an the extended positions even in the event of loss of hydraulic power or line failure.
			R.	Front Outrigger: to be hydraulically operated and have a warning light in cab that will notify the operator if the front outrigger is out of stow.
			S.	Front Outrigger: To have a penetration of minimum of 8 inches below normal ground level.
			T.	Unit: Rotation: Turret shall rotate on a ball bearing rotation bearing.
			U.	Unit: Rotation: Boom/turret must have full 360 degrees continuous rotation.
			V.	Unit: Rotation: The rotation system shall be capable of rotating the maximum rated load capacity of the unit at the maximum attainable horizontal distance away from the pedestal upwards on a five degree incline.
			W.	Boom: Shall consist of four (4) Non-insulated sections with three (3) sections telescoped hydraulically.
			X.	Boom: All stages hydraulically extended, hydraulically retracted.
			Y.	Boom: the 4 section boom shall have a length of 18 feet to 72 feet.
			Z.	Boom: The boom shall attain and arc of travel no less than 80 degree above horizontal and 17 degrees below horizontal, 98 degrees total travel.

YES	NO	OTHER	1.	AERIAL LIFT CONFIGURATION (Front mounted)
			AA	Boom: Shall be equipped with rollers for winch cable to pass over.
			BB	Boom: Boom tip shall be equipped with a wire rope sheaves to allow material handling winch to be used without the basket attached.
			CC	Boom: Shall have a three ton top dead end to attach the end of the material handling winch cable to when two parting the cable.
			DD	Boom: Boom to be equipped with an Anti-two block switch to protect unit from damage.
			EE	Boom: Main boom section shall be equipped with a retainer at the platform end to stow winch cable when not in use. Retainer shall incorporate a spring to allow cable to move freely when boom is raised and lowered and not cause binding of the cable on the winch drum.
			FF	Winch: Unit to be equipped with a material handling winch mounted at the turret end on the top of the main boom.

Comments: _____

YES	NO	OTHER	2.	UNIT CONTROLS
			A.	Controls: All controls to allow “feathering” of functions, and multi-function operations.
			B.	Lower Controls: Turret mounted control console to operate boom functions, tool circuit, winch, platform leveling, engine throttle, and engine Start/stop.
			C.	Lower Controls: At the turret shall be positioned so that as you stand at the controls the operator is looking down the boom with out turning their body or shoulders to actuate controls.
			D.	Lower Controls: controls at the turret shall rotate with the boom.
			E.	Lower Controls: controls at the turret shall rotate with the boom.
			F.	Lower Controls: Shall have individual control valve handles to override each boom function.
			G.	Lower Controls: Shall be mounted on the curb side of the turret.
			H.	Upper controls: for operation of all Boom functions, winch control, platform leveling, Engine start/stop, Engine throttle and tool circuit controls.
			I.	Upper controls: Control handles on the transmitter shall incorporate safety collars for unlocking handles prior to movement, and to prevent unintentional movement of the boom functions.
			J.	Upper Controls: Upper controls at platform shall have a control cable that extends and retracts with the boom to plug the radio remote controls into in case of radio failure.
			K.	Upper Controls: Shall be a switch at the Platform to turn on and off the inverter mounted in the toolbox on the truck.
			L.	Upper Controls: Shall be fitted with a cover to keep controls out

YES	NO	OTHER	2.	UNIT CONTROLS
				of the weather when not in use. Cover shall be designed to keep controls covered during road travel and shall be of tarp material or made from metal and hinged.
			M.	Upper Controls: 110 volt duplex outlet located so that it is accessible from the platform. Wire into the Dimensions 2400 watt inverter installed on the truck.
			N.	Radio Remote Controls: for operation of all Boom functions, winch control, platform leveling, Engine start/stop, Engine throttle and tool circuit controls.
			O.	Radio Remote Controls: Control handles on the transmitter shall incorporate safety collars for unlocking handles prior to movement, and to prevent unintentional movement of the boom functions.
			P.	Radio Remote Controls Storage: Provide a foam filled case made to store the radio remote controls in when not in use. Case shall have solid sides and foam made to cradle remote control transmitter.
			Q.	Winch Controls: Controls to operate the winch shall be located at both the lower controls and Radio Remote controls.
			R.	Winch Controls: Winch enable/lockout switch provided to shut winch control off when winch line is attached to anchor point on boom. (Prevent cable, winch, or attachment point damage from accidental engagement of winch control when winch cable is stored)
			S.	Outrigger Controls: Controls for the street-side outriggers shall be positioned on the rear at the street-side of the truck to allow operator to view the outriggers as they go out and down
			T.	Outrigger Controls: Controls for the curb-side outriggers shall be positioned on the rear at the curb-side of the truck to allow operator to view the outriggers as they go out and down.
			U.	Outrigger Controls: Each outrigger shall have its own control allowing vertical down operation at any point from fully retracted to fully extend. Each outrigger shall be visible from its actuating control and each control must be operable from the ground
			V.	Outrigger Controls: Selector valve to select outriggers or aerial lift. To lockout outrigger operation when aerial lift is being used. Prevent inadvertent outrigger motion by personnel on the ground.
			W.	Outrigger Controls: Two speed throttle control and engine start/stop controls located at one of the rear outrigger control stations.
			X.	Front Outrigger Controls: To be located at the front of the truck so that operator has clear view of the front outrigger.
			Y.	Front Outrigger Controls: Out of stow light for the front outrigger is required in the cab of the truck.
			Z.	Controls: Each control and switch to be clearly labeled to define

YES	NO	OTHER	2.	UNIT CONTROLS
				function and direction of operation.

Comments: _____

YES	NO	OTHER	3.	PLATFORM AND MATERIAL HANDLING WINCH
			A.	Personnel platform: 40 in. wide by 60 in. in length.
			B.	Personnel platform: End mounted hydraulic self-leveling platform.
			C.	Personnel platform: Minimum 2 man Platform with a minimum rating of 600LBS at any boom position.
			D.	Personnel platform: Platform shall be built per ANSI A92.2
			E.	Personnel platform: Platform shall include a shear ball rotation bearing and a hydraulic worm-gear rotator capable of allowing the operator to rotate the platform horizontally trough an arc of no less than 90 degrees left and 90 degrees right of normal position.
			F.	Personnel platform: Platform to be removable with out the need for tools.
			G.	Personnel platform: Mount attachment ring(s) on platform for safety belt lanyard. Attachment points shall not be in the platform floor. and should be located near the center of the platform.
			H.	Personnel platform: Platform shall be equipped with a safety chain over platform opening.
			I.	Personnel platform Leveling: Shall be hydraulically maintained relative to the chassis frame in all operating positions of the unit.
			J.	Personnel platform Leveling: control valves shall be located at both the lower controls and upper controls to allow the operator manually override the leveling system to adjust the basket leveling position.
			K.	Material Handling: Provide winch mounted to the turret end of the main boom section with the winch line going over the top of the boom.
			L.	Winch: Shall be a high-efficiency planetary type with integral load-holding brake
			M.	Winch: To have a 5000 LBS bare drum rating
			N.	Winch: To be supplied with 210 feet of 3/8 inch diameter cable
			O.	Winch: One 50 lbs down haul ball required
			P.	Block: Provide a Crosby T-921-B two part block to be rated at a minimum of 4 tons.
			Q.	Block: Provide a Crosby 8 ½ S-1 Jaw & hook along with standard hook.
			R.	Winch: Controls to be pressure compensated to allow feathering the winch and one boom section simultaneously.
			S.	Winch: Required lifting capacity of 1,100 lbs at 61 feet radius and 5,900 lbs at a 2 ft radius.

YES	NO	OTHER	3.	PLATFORM AND MATERIAL HANDLING WINCH
			T.	Platform/Boom/Winch: Winch line shall be able to be routed through sheaves at boom tip with out the removal of the platform.

Comments: _____

YES	NO	OTHER	4.	HYDRAULIC SYSTEM
			A.	Hydraulic oil: Be compatible with Conoco MV32 Hydroclear AW Hydraulic Oil (http://lubes.conoco.com/NR/rdonlyres/6B1E984E-92A5-41D5-8FA3-343A2E615CF9/0/C_Hydroclear_AW.pdf)
			B.	Hydraulic pump: Hydraulic pump: Pump properly engineered for the application with shaft to match PTO, flange mount and provide needed flows to operate all functions and multiple functions at less than 1200 Engine RPM.
XX	XX	XXXX	C.	Hydraulic pump: Make: _____ Model: _____
			D.	PTO: Power take-off shall be an air shifted. Mount controls on dash so it is accessible to driver from normal driving position. Ratio to provide optimum GPM at less than 1200 engine RPM.
			E.	PTO: to be operable in neutral only.
			F.	Hydraulic reservoir: Minimum capacity of on gallon for each gallon-per-minute capacity of the pump.
			G.	Hydraulic reservoir: Shall have a sight level gauge with thermometer.
			H.	Hydraulic reservoir: Filler opening shall be of such design as to prevent oil from splashing out of the reservoir.
			I.	Hydraulic system: shall have suction screen and/or filter at the tank with bypass relief and a bypass actuation lighted indicators. System shall be equipped with a 10 Micron filter in the return line and Ball type shut-off valves in both the supply and return lines at the reservoir for servicing filters and/or screen on either suction or return side.

Comments: _____

YES	NO	OTHER	5.	EQUIPMENT AND BODY INSTALLATION
			A.	Travel height: when stowed shall not exceed 13 ft. when mounted on a chassis with a frame height of 46 inches.
			B.	Boom stowage: support built to allow stowage of boom as close to the bed as possible to allow for the lowest possible travel height.
			C.	Headache rack/window guard: Guard built to protect rear window of the truck chassis.
			D.	Flatbed: 22 foot metal flatbed with steel rub rail and stake pockets. Floor to be covered with a Rhino/Linex covering that is a minimum

YES	NO	OTHER	5.	EQUIPMENT AND BODY INSTALLATION
				3 mils thick.
			E.	Flatbed: To be steel and structure undercoated and exposed steel painted white. Rear facing metal to be painted Orange. DuPont Imron 31XH.
			F.	Flatbed Under-bed boxes: Four (4) under-bed toolboxes mounted in front of the rear tires on both sides of the truck. Under-bed boxes to be 24 inches long, 18 inches tall and 20-24 inches deep. Door to be hinged on the bottom of the boxes. Boxes to be mounted 2 on each side.
			G.	Flatbed: Toolboxes and storage lockers to be water tight and have gaskets all around door openings and rain shields/drip rail on top and leading edges.
			H.	Flatbed Tool boxes: toolboxes to have reinforced doors with chain stops.
			I.	Flatbed: Toolboxes to be equipped with locking flush slam-type latches keyed alike.
			J.	Flatbed: rear of truck shall be fitted with RV style leveling indicators (one each side) leveling indicators shall be mounted at each outrigger operating control. RV Levels should be similar in design to HOPPY Part number 08525 screwed on to the rear of the unit. (Self-sticking levels will not be accepted).
			K.	Flatbed: Access ladders with grab rail to flatbed deck on both sides of flatbed located at the rear of the flatbed. Ladders should stow under the bed and have a shield under the stowage area to prevent mud from accumulating on the ladder during travel.
			L.	Flatbed: Access ladder with grab rail to flatbed deck at the curb-side front of flatbed positioned so that the ladder gives direct access to the operator's station.
			M.	Towing: Pintle hook mounted at 27 in. +/- 1 in. to the bottom of the opening . Pintle shall be a Holland PHS125A. Two D-rings mounted at 25 in. (+/- 1 inch) to center of mounting plate from the ground and not more than 8 inches from the center of the Pintle hitch.
			N.	Towing: Two D-rings must be large enough to accommodate a "CM Clevlok sling hook" produced by CM chain used as a safety chain, which has a throat of approx. 1.3 inches and length of 4.5 inches.
			O.	Trailer Plug: Install a 7 blade "RV" style flat blade trailer receptacle no more than 4 inches above and not more than 6 inches right or left of the center line of the Holland PHS 125A pintle hook. Similar to Valley Industries P/N 52400/5240 7 way flat blade style female connector or equivalent.
			P.	Outrigger Pads: Provide 5 each Dica outrigger pads part number D2424.
			Q.	Outrigger Pad storage: each outrigger will have a pad holder mounted to allow the outrigger pad to be stored vertically (on its

YES	NO	OTHER	5.	EQUIPMENT AND BODY INSTALLATION
				narrow side) on the out portion of the outriggers. The pads will be carried out with the out portion of the outrigger.
			R.	Front Outrigger Pad storage: pad holder mounted to allow the outrigger pad to be stored horizontally under the front bumper on the curb-side.
			S.	Outrigger Pad storage: on the outriggers will accommodate a 24" wide x 24" long x 3" high wooden outrigger pad.
			T.	Outrigger Pad storage: The outrigger pads will be retained in the holders with a chain and snap clasp.
			U.	Platform Stowage: Provide a place on the flatbed to stow personnel platform when removed from the end of the boom.

Comments: _____

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
			A.	Wiring: All electrical wiring to be soldered and heat-shrink wrap sealed and installed in split loom. "Scotchlock" connectors are unacceptable.
			B.	Wiring: All wiring that passes through compartments (Especially metal walls) will have grommets to protect the wire insulation from being chaffed and causing shorts.
			C.	Lighting: Lights and reflectors in accordance with FMVSS #108 lighting package.
			D.	Lighting: LED lights for marker/clearance/tail/turn and stop lights. Backup lights to be incandescent.
			E.	<p>Ground Cable: Install DISTRICT grounding clamp on turret and attach jumper wire from turret to frame and attach the 2 AWG ground cable at this point.</p> <p>The ground connection to the chassis of the vehicle shall be made by means of a 'two-hole pad' welded to the frame of the vehicle. If the vehicle contains a derrick or turret pedestal mounting, an additional 'two-hole pad' attachment shall be welded to the turret pedestal. The attachment pad on the turret pedestal mounting must be accessible and visible for inspection and testing with limited movement or effort. Connection to the 'two-hole pad' shall be with a straight bronze terminal cable to flat connector. Replacement bolts will be needed for the attachment. Nuts are not required as the bolts are screwed into the 'two-hole pad'. All ground jumper cables shall be of the standard #2 grounding cable with compressed ferrules and shrink fit boots on each end. The connection point for the external safety ground is to be the at the turret pedestal ground pad. The attachment of the external safety ground to the turret pedestal shall</p>

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				<p>be by means of grounding terminal ferrule properly installed on the end of the external safety grounding cable.</p> <p>Parts for installing acceptable ground cables: <u>All ends of the #2 copper ground cable jumpers shall be terminated with a shrouded plain ferrule and a grounding cable shrink boot.</u> <u>Each Cable piece includes:</u></p> <p>1 each type 'B' Grounding Cable, CU #2 AWG 1638 Str (length as required)</p> <p>2 each type 'C' Grounding Terminal CU Ferrule #2 Plain End</p> <p>2 each type 'D' Grounding Terminal Shrink Boots</p> <p>GROUNDING CABLE, CU, NEOP X-FLEX NO. #2 AWG 1638STR A.B.CHANCE S6116</p> <p>GROUNDING TERMINAL, CU FERRULE #2, PLAIN END A.B.CHANCE C600-2630</p> <p>GROUNDING TERMINAL, SHRINK BOOT A.B.CHANCE P600-1593 RAYCHEM 207W613-25-0</p> <p>Attachment to vehicle frame will require: 1 each type 'A' two-hole attachment pad welded to the vehicle frame; 1 each type 'F' clamp, tower, grounding, CU cable to flat; 2 each bolts, washers, and lock washers. Attachment to pedestal frame will require: 1 each type 'A' two-hole attachment pad welded to the pedestal frame; 1 each type 'F' clamp, tower, grounding, CU cable to flat; 2 each bolts, washers, and lock washers.</p> <p>CLAMP, TOWER, GROUNDING, CU, BOLT TYPE 2 GRD, 2/0-250 HOMAC 2710-2-45 SEFCOR GTT2-14-N-B-1/2-T</p> <p>CLAMP GROUNDING: Chance P/N C600-2231</p> <p>This will be at the end of the 60 foot 2 AWG cable.</p>
			F.	Ground Cable: Route 2 AWG ground cable below the bed floor between turret attaching point and the ground holder location.
			G.	Ground Cable: Provide 60 feet of 2AWG ground cable (measured from the ground cable holder) from ground hanger to Chance

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				grounding clamp at end of the cable.
			H.	Ground Cable Holder: Bott Cable Holder: 6" radius holder size # 2 from Bott USA. http://www.bottusa.com/shop/listCategoriesAndProducts/asp?idCategory=58
			I.	Ground Cable Holder: Mount in the center of the rear of the truck with cable holder facing to the rear. Ensure that when cable is rolled up on the holder it does not interfere with the lights or the pintle hitch. Location determined at pre-paint.
			J.	Lighting Kit: Purchase Superior Signal Part number: NPPD KIT # SYD/A08 Kit contains: 2ea. Superior Signals P/N SYLED04AA amber LED strobe light. 2ea. Superior Signals P/N SYMB04-S mounting bracket. 4ea. Superior Signals P/N SY4405A oval, amber LED strobe light. 2ea. Superior Signals P/N SYRS5525P plastic light housing. 2ea. Superior Signals P/N SY22030LA low mount amber strobe. 2ea. Superior Signals P/N SYBGL low mount wire brush guard. 2ea. Superior Signals P/N SYSS lens top black out decal. 2ea. Superior Signals P/N STA3300012 boom mounted work light. (digger only) 1ea. Superior Signals P/N SY714412 55 watt halogen work light. 1ea. Superior Signals P/N SY7900 wireless remote control spot light. 1ea. Superior Signals P/N STA20502 back up alarm. 1ea. Contents list.
			K.	Strobe lights: Install strobe light system Superior Signal part: 2ea. Superior Signals P/N SYLED04AA amber LED strobe light. 2ea. Superior Signals P/N SYMB04-S mounting bracket. 4ea. Superior Signals P/N SY4405A oval, amber LED strobe light. 2ea. Superior Signals P/N SYRS5525P plastic light housing. 2ea. Superior Signals P/N STA3300012 boom mounted work light. (digger only) 1ea. Superior Signals P/N SY714412 55 watt halogen work light.
			L.	Strobe light installations: P/N SY4405A: 4 Each 6 ½ inch oval strobe head mounted as follows: 2 each mounted on the rear of the truck on the inside of the taillight and reverse lights, 2 each mounted in poly boxes, P/N SYRS5525P , one on the street-side (driver's side) and 1 mounted on the curbside (passenger side). Locate the front of the poly box 6 inches to the rear of body from the front and mount it in from the side so that the face of the light is 2 ½ inches in from the outer edge of the

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				<p>service body. If the outrigger pad stowage is in this location mount the box behind the outrigger pad stowage bracket and at the same recessed 2 ½ inches to the light face.</p> <p>P/N SYLED04AA/ P/N SYMB04-S/grill lights: 2 ea mounted under the front grill see pictures. Ensure that if the lights do not come with the weather pack type connector that one is installed at the time of assembly</p> <p>Switch: Lighted rocker switch to be illuminated when strobes are in the on position. Switch should mount in the factory rocker panel knockout and be labeled above/beside/below switch with “STROBE LIGHTS”</p>
			M.	Boom work lights: Install two boom work lights. One on each side of the boom mounted at the base end of the main boom, shinning down the boom. Switch located in the truck cab.
			N.	Boom work lights: Use superior signal lights part number: Superior Signals P/N STA3300012 boom mounted.
			O.	Cargo bed light: Mount to the back of the window guard one on each outside top corner facing/directed towards the rear of the truck to illuminate the cargo bed of truck when turned on. Switch to be located in the truck.
			P.	Cargo bed light: Use superior signal lights part number: Superior Signals P/N SY714412 55 watt halogen work light.
			Q.	Back up Alarm: Install Superior Signal Backup alarm part number: Superior Signals P/N STA20502 back up alarm.
			R.	First Aid Kit Holder: Install a BFX First aid Kit Holder: BFX P/N 4023359, Mounting location on door to be determined at the pre-paint meeting.
			S.	Brake Controller: Install a Tekonsha Prodigy brake controller part number: Tekonsha Prodigy 90185 Mount in a location so that the driver does not hit his leg on the controller when entering or exiting the vehicle or while driving and is easily accessible to set the gain on the unit. <i>Ensure unit is mounted in accordance to manufacturer directions to ensure proper operation.</i>
			T.	Power Inverter: Install a Dimensions Pure sine 2400 watt inverter in the street-side Front under-body toolbox. Mount inverter upside-down to the top of the toolbox.
			U.	Inverter: Wire the 110 volt outlet at the platform into the inverter.
			V.	Inverter outlets: Install a 110 volt duplex outdoor outlet at the rear of the flatbed on the street-side. Mount outlet so that when opened the outlets face to the rear of the truck. Mount box just below the flatbed between outrigger controls and the pintle hitch.
			W.	Fire extinguisher: Provide an Amerex Fire extinguisher and bracket with the following part numbers Amerex p/n B546 ABC

YES	NO	OTHER	6.	ELECTRICAL/LIGHTS/ACCESSORIES
				dry chemical fire extinguisher and Amerex p/n B809 fire extinguisher mounting bracket
			X.	Fire extinguisher: Mount fire extinguisher to the Window guard towards the outer edge of the truck between the guard and the flatbed of the truck.
			Y.	Streamlight Flashlight: Streamlight Flashlight P/N Litebox 45107 with 12 volt charging base. Mounted on the transmission tunnel. This is to be wired hot, so that the flashlight is always charging.
			Z.	Radio Remote Spot lights: Two (2) radio controlled spot lights ("Go Lights" Brand, Model Radio Ray, shipped loose) Model #BZT/G133/847K Radio Ray.
			AA	12 Volt Outlet: Install a weatherproof 12 volt cigar style outlet plug at the rear of the truck next to the 110 volt outlet box. The outlet opening should face towards the rear of the truck. Outlet will be used to plug in the remote control spotlight.
			BB	Mudflaps: Install mudflaps behind and in front of rear wheels.
			CC	Mudflaps: Mudflaps to be anti-sail design and mounted so that they can not come in contact with the tires.
			DD	Rear bumper: Equip unit with a heavy-duty steel rear safety bumper as required by ICC and DOT

Comments: _____

YES	NO	OTHER	7.	PAINT AND FINISH
			A.	Paint Prep: Metal surface shall be prepared for painting to include a degreaser, chemical metal preparation treatment, self-etching primer with a urethane paint topcoat such as DuPont Imron.
			B.	Flatbed/Boom/Turret/Platform: Shall be painted white with a polyurethane paint to match chassis cab paint.
			C.	Front bumper/Outrigger Legs/rear facing metal/rear bumper: Shall be painted orange with DuPont Imron 31 UX paint code.
			D.	All sharp edges on the boom, body, substructure, etc. shall be rounded off for safety.
			E.	Stowed travel Height: Include on placard indication over-all stowed travel height of the completed vehicle installed with in clear view of the operator.
			F.	Successful CONTRACTOR to furnish production drawing to the DISTRICT for approval prior to beginning production.
			G.	Special tools required to service unit shall be provided by the CONTRACTOR with the unit.

Comments: _____

YES	NO	OTHER	8.	DIMENSIONS/WEIGHT DISTRIBUTION
			A.	Travel height: when stowed shall not exceed 13 ft. 6 in., when mounted on a chassis with a frame height of 46 inches and frame to top of cab height of 63 inches.
XX	XX	XXXX	B.	Overall installed height when stowed: _____ft. _____in.
			C.	Weight of assembled unit shall not exceed the following: Front Axle - 10,500 lb. Rear Axle - 18,500 lb. NOTE: Assume chassis weights – 8,200 lb. (Front); 5,000 lb. (Rear)
XX	XX	XXXX	D.	Estimated weight of assembled unit – Front axle: _____lbs. Note: use conditions described above. Rear axle: _____lbs. Total weight: _____lbs.
XX	XX	XXXX		

Comments: _____

YES	NO	OTHER	9.	DELIVERY AND MANUALS
			A.	Manuals: 2 each to be delivered with the unit. Operators Maintenance / Parts
			B.	Training: CONTRACTOR to conduct in-service training at a DISTRICT selected site for the Aerial lift operators. CONTRACTOR will conduct, at a minimum, 1 day maintenance and service training at York Operations Center, York, Nebraska. Trainer shall be knowledgeable in troubleshooting procedures of the Aerial lift operating system along with the LMI system used. This training will be conducted to give our maintenance personnel a working knowledge of the Aerial lift and operating systems.
			C.	Training: CONTRACTOR to provide two (2) safety and operation video covering safe use of the aerial lift.
			D.	The Bidder is required to provide Line Drawings or Concept drawings for the Aerial Work Platform, flatbed, & outriggers, with their bid response.
			E.	Vendor is required to provide bare, dry, chassis weights and mounted equipment weight to include fuel and 450# for personnel

Comments: _____

Aerial Work Platform:

Manufacturer and model _____ / _____

Aerial Platform maximum working height (main boom) as mounted _____ ft.

Hydraulic system operating pressure/capacity _____

Location of Aerial lift manufacturer's plant _____

Installation, Checkout and Certification:

Location of assembly plant _____

Travel height when stowed _____

Transmission PTO: Make _____ Model No. _____

Hydraulic Pump: Make _____ Model No. _____

Are any special tool required to service unit (Yes / No) _____

If yes, specify _____

In addition to completing the above information, the Bidder shall provide the following:

1. List of names of six (6) owners of similar model Aerial work platforms specified herein purchased within the past 12 months.

	Name	Location	Person to Contact and Phone No.
a.	_____	_____	_____
b.	_____	_____	_____
c.	_____	_____	_____
d.	_____	_____	_____
e.	_____	_____	_____
f.	_____	_____	_____

2. Descriptive literature for the Aerial work platforms being provided.
3. Aerial work platforms capacity charts to include all jibs.
4. Certification that installer is an authorized dealer or installer of the Aerial work platforms manufacturer.
5. **Vendor is required to provide Line Drawings or Concept drawings for the Aerial Work Platform, flatbed, & outriggers, with their bid response.**
6. **Vendor is required to provide bare, dry, chassis weights and mounted equipment weight to include fuel and 450# for personnel**

