

RFP Quint/ Pumper Apparatus
Evans Fire Department



**City Of Evans, Colorado
Fire Department**

REQUEST FOR PROPOSALS (RFP)

75' AERIAL APPARATUS

DEADLINE FOR RECEIVING PROPOSALS

March 14, 2012-4:00pm MST
City of Evans Complex
Attention: Robert Standen
1100 37th street
Evans, Co 80620

PROPOSAL OPENINGS

March 15th, 2012-10:00am MST
City of Evans Complex
1100 37th street
Evans, Co 80620

CONTACT PERSON

Robert Standen
970-339-3920
rstanden@ci.evans.co.us

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Section I
Introduction

1. Introduction

The City of Evans and the Fire Department seeks proposals for the production, manufacturing and delivery of approximately a 75' foot rear mount Aerial apparatus, this apparatus will be placed into service as first due response apparatus and shall provide the city with a capable first due engine and aerial device. This RFP should reflect a practical suburban response apparatus.

2. Background

The Evans Fire department is seeking an apparatus that will provide first due emergency response capabilities to all emergency calls for service including fire and rescue type. The Evans Fire department currently has two front line engines and a rescue for all calls of service. We are seeking to include a new Quint apparatus to our fleet to replace the retired ladder truck.

3. Contract Terms

The City of Evans shall be the Owner. The Owners project manager is Robert W. Standen, Assistant Fire Chief, or his designee.

The Owner reserves the right to reject or accept any or all proposals or waive any formalities, informalities, or information therein.

The Owner will award this contract based on review of the selection criteria listed in section II. Evaluation of the proposals will take into account the following items along with those listed in section II (selection criteria).

- Detailed description of deliverables
- Detailed description of a proposed build schedule and how that schedule will be met.
- All drawings requested and functionality of the apparatus
- Cost and quality of the apparatus deliverable

Section II
Proposal Format

1. Proposal Format

The written proposal shall be signed by an individual authorized to bind the offeror. The proposal shall provide the name, title, address and telephone numbers of individuals with the authority too contractually bind the company and who may be contacted during the period of the contract.

The proposal shall include a scope of service, which the manufacturer believes is appropriate to achieve the purposes of the project. **Please limit proposals to 75 pages or less not including dividers or cover page, using no smaller than 10 point font size in any portion of the document.**

Proposal Inclusions

Proposals shall include available lease options from the Offerer & a cash price for the apparatus.

Design and functionality of fire apparatus

Offerer shall indicate how they meet each of the minimum and desirable requirements listed in the scope of work of this RFP. The following items shall be detailed within the manufacturer specifications:

- Engine specifications, to include the compatibility with the specified transmission
- Drawing of the layout of the dash instrument panel and switches after award of bid.
- Drawing of both sides of the pump panel layout
- Drawings of recommended compartments and sizes
- Chassis wheelbase and turning radius engineering report
- Engineering report on the expected electrical system amperage draw
- Pump specifications
- Chassis Warranty, Engine Warranty, Body Manufacturers Warranty

Experience and Qualifications

Offerer shall provide an organizational chart specific to the personnel assigned to accomplish the work for this RFP. Include the lines of authority, designate the individual responsible for the completion of each component and deliverable of the RFP.

Offerer shall provide a brief narrative description of the organization and of the project team

Proposal Format Cont.

Experience and Qualifications cont.

Offerer shall provide a list of five (5) current or former customers for whom they have provided similar goods or service. The customers names, phone numbers and the point of contacts shall be included. The owner may contact these references to evaluate the offerers past performance. Offerers who do not provide five (5) references may be considered non-responsive and eliminated from further consideration.

2. Proposal submittal instructions

Proposals shall be submitted in bound form, with five (5) identical copies each.

Proposals should be submitted individually.

All copies shall be submitted to:

**Robert Standen
Assistant Fire Chief
City of Evans
1100 37th Street
Evans, CO 80620**

RE: Proposal for Fire Apparatus

Submittals must be received prior to 4:00pm March 14th 2012

**Submittals will be opened publicly and read aloud at 10:00am March 15th 2012
At the Evans City Complex Courtroom**

All Proposals submitted shall become the property of the City of Evans and will become public record.

3. Proposal Evaluation Criteria

Initially, the proposals will be reviewed by the evaluation team to determine if they are administratively responsive to the RFP.

Those proposals that are administratively responsive will be distributed to the evaluation team. First, the team will determine if the proposal meets all of the minimum requirements (if applicable). This is a pass/fail evaluation. Second, those proposals that pass the minimum requirement evaluation, will then be evaluated based on the evaluation criteria described below.

Proposal Format Cont.

Evaluation Criteria

Each of the identified criterion has an assigned weight that is used to establish their relative importance in the evaluation process.

The criterion is as listed here.

Criterion

Design and function as a Fire apparatus

Cost of overall proposal

Experience and Qualifications

Ability to service and warranty apparatus

Reasonable build time

4. Award

Award shall be made to the responsive offeror whose proposal conforms to the selection and is determined in writing to be the most advantageous to the City of Evans, taking into consideration not only cost/price but also build time and the evaluation factors in the request for proposal.

Award to the offerer shall be within 60 calendar days from opening of proposals, giving the evaluation team substantial time for review.

The City will use electronic means (i.e. internet, email, etc) to inform potential offerer's and may use technology to improve transparency and purchasing efficiencies for the City.

Section III
Quint
Scope of Work

Scope of Work Quint

General construction Guidelines

All components and construction must meet current NFPA 1901, 1914, 1931. This custom apparatus shall be built with the manufacturer's brand name products or equal unless otherwise stated or approved of in the following scope of work. Manufacturer equivalent products to replace minimum requirements specific listed equipment shall be considered, if it meets all performance and quality requirements. Strong and light aluminum aerial designs are desirable for this project. Electrical system should be designed to operate under severe and rugged conditions, being corrosion, vibration, and weather tight will be evaluated.

Manufacturer's Authorization

The successful proposer must be the manufacturer of the product offered or shall provide, if requested, within 30 days from the published date of notice of intent to award evidence from an official of the manufacturer, stating the proposer is qualified as an AUTHORIZED DEALER OR SELLER of the product being offered. All warranties of product to the borrower will be first holder warranty. Failure to provide required documents may result in the termination of award.

Deliverables

The Offerer should plan for, at a minimum, one progress meeting every other month with Fire Department staff during the course of this design build, these may be done by conference calls, other mandatory meetings are listed in certification and acceptance section.

1. One (1) single axle, custom tilt cab, 1500gpm, Approximately a 75 feet Aerial / Quint with 500gal booster tank as specified in the RFP
2. Planning/Design considerations
3. Preliminary design plans, compartments, and hose bed layouts.
4. 2 hard copies of as built electrical and plumbing schematics
1 electronic copy (.pdf)
5. 2 hard copies each, of all operations and maintenance manuals for the apparatus to include, pump, chassis, engine, aerial and all other systems on the apparatus.

Minimum Requirements

This apparatus shall be built with the manufacturer's best quality of material and workmanship. All components used will be of the best quality, name brand or equivalent that the manufacturer offers unless otherwise stated in this RFP. Approved equivalent products will be considered in the RFP. This apparatus shall be built to all current 2009 NFPA 1901 standards for automotive fire apparatus.

- **Chassis and Vehicle Components**

1. This apparatus shall comply with all current federal motor vehicle safety standards, D.O.T standard, NFPA standards, and current fire apparatus manufacturers' requirements.
2. This apparatus shall have a single axle chassis, GVWR of up to 57,800k.
3. Front axle shall have a minimum cramp angle of 45 deg. Maximum as delivered.
4. Rear axle shall have a weight rating of up to 33.5k
5. Front axle shall be a non-drive, having a weight rating of up to 22.8k with an independent front suspension design, or manufacturer equivalent for stability and ride performance.
6. Front axle shall have clear hub covers with oil port for serviceability of bearings
7. The Apparatus shall have a (Shepard) steering box, with tilt adjustable column or approved equivalent.
8. Rear suspension shall be of a leaf pack standard meeting apparatus weight requirements.
9. Wheel Base shall be no greater than 240.0".
10. Approach / departure angles shall be a minimum of 8 degrees
11. The apparatus shall have four tow eyes mounted to the frame, two at the rear and two at the front of apparatus.
12. Wheels shall be aluminum Alcoa 22.5. standard
13. Drive tires shall be Michelin radial tires of an aggressive tread mud/snow and steer tires shall be Michelin of highway tread. standard
14. Rear axle ratio will be set to coincide with transmission and engine for a top speed of 68mph.
15. Rear axle ratio shall be a ratio for urban driving, quick acceleration to be approved by purchaser.
16. The apparatus shall have an electronic stability control system incorporated.
17. The apparatus shall have a short jack hydraulic stabilization system.
18. The apparatus shall have heavy-duty mud flaps for front and rear tires.
19. The chassis shall have a convenient grease / maintenance system installed for all non-moving grease-able components. (IE King pins, spring shackles etc.)
20. All hub cap covers shall be stainless steel with nut covers/ wheel chocks provided.

- **Brakes / Air System**

1. The front brakes shall be a disc brake type with automatic slack adjuster, the rear brakes will be a self-cleaning disc type brake with a braking surface to meet axle and capacity design. They will be equipped with an external wear indicator for easy inspection. Current (Wabco) ABS technology will be applied.
2. The apparatus will be equipped with air-operated braking system meeting or exceeding NFPA 1901 standards.
3. The apparatus shall be equipped with a (bendix ad-ip) or approved equivalent air dryer and heated moisture ejector mounted in an accessible location.
4. The air system shall be able to operate at the NFPA 1901 standard (Bendix) 60 seconds fast buildup system without a shoreline or on board compressor assistance.
5. An air system inlet/ fill shall be provided in the drivers step well.
6. An onboard air compressor shall be provided and operate off the shoreline to provide backup air.
7. Brake lines shall be nylon and all other appropriate airlines shall be nylon.
8. The apparatus shall have minimum 3 supply air tanks sufficient to meet all air braking needs, one tank reservoir shall serve as a wet tank with drain valve.

- **Electrical System**

1. The apparatus shall have (Whelen) or approved equivalent LED light technology utilized wherever possible. This includes, strip type compartment lighting, vehicle running lights, warning lights, turn signals, and emergency lights.
2. All electrical components for the apparatus shall be covered and weather tight from all natural conditions and water tight.
3. The apparatus shall be delivered with two complete sets of hard copy of “as built” electrical diagrams and one CD copies of the actual delivered apparatus.
4. The apparatus shall have (Whelen) or approved equivalent LED brand light bars or pre-approved equivalent. Two on top front of cab and two on top sides of cab.
5. Apparatus shall have dual rectangular halogen headlamps and two emergency LED strobes on the front above each headlight, one red (Whelen) or approved equivalent, one orange for turn signal with arrow indicator all with chrome bezels.
6. The apparatus headlights shall have wigwag or alternating operations while in emergent mode.
7. The rear shall have two amber and sides shall have 4 red strobes to meet all standards. (Whelen) or approved equivalent, all with chrome bezels.
8. Rear turn shall be amber (Whelen) or approved equivalent with arrow indicator and red flashing brake light to match w/ chrome bezels.

9. All ground and step lighting shall be a round, sealed, replaceable LED light. (truck-lite) or approved equivalent.
10. The apparatus shall utilize newest multiplexing technologies and include display screen at driver's location and at pumping panel.
11. The apparatus shall be equipped with a hydraulic (Onan) or approved equivalent generator with a minimum 12kw or of substantial rating to run all apparatus electric needs plus 10% overload, it shall have operating capability while in drive gear.
12. The generator shall be mounted in a convenient access area.
13. The apparatus shall have an electric rewind, 100 ft cord reel with a (4) plug lighted junction box mounted on upper curbside of the apparatus. (Hannay reel with guides) or approved equivalent.
14. Apparatus shall have an alternator of up to 500 amps or 10% rating above specifications for all 12-volt components.
15. Apparatus shall have an onboard charging system (Kussmaul) for fleet compatibility) for charging all needed equipment on apparatus, with a shoreline for battery conditioner located at driver's door in a protected area with auto eject. 12volt and 120-volt capability.
16. Breaker panel for all 110volt circuits shall be installed in the driver's side front compartment, upper inside wall.
17. Apparatus shall have a heavy-duty master battery cut of switch conveniently located to driver's position.
18. The apparatus shall have a minimum of two, four plug outlets, 120 V receptacles located in the rear center cabinet of the cab to be specified.
19. The apparatus shall have two power strips directly connected to kussmaul charger position to be determined by fire department.
20. The apparatus shall have eight (8) rectangular (Fire research Corp) or approved equivalent 12 volt led Spectra lamp scene lights, 15,000 lumens or more, 2 located on each side as deemed best location, and 2 located at the "brow" on the front cab with a 20-degree outward coverage pattern, 2 adjustable direction at the tip of the aerial.
21. The apparatus shall have (2) adjustable round scene/hose bed lights, two at the rear of the apparatus controlled by a switch on the light-head and when transmission is in reverse (unity model AG) or approved equivalent.
22. The apparatus shall have three 120 V twist lock outlets that match our current twist locks, one located on each side of the apparatus located near the rear drive tires and one at the aerial tip. These will reflect our current model in service now.
23. The apparatus shall have an Opticom system (3M model for fleet compatibility) on the roof of cab.

24. The apparatus shall have a (Federal) or approved equivalent Q-2 siren located on the front bumper, two electric/over air, air horns located in the front bumper, and an electric code 3 siren with control component on officer's side.
 25. The apparatus shall have Q-2 buttons on the drivers and officers floorboard
 26. There shall be at least 2 (stream light pack lights for fleet compatibility) in the rear of cab supplied by shoreline.

 27. The apparatus shall have an arrow stick at the rear of the body, yellow in color (TAMF85 Whelen brand) or approved equivalent.
 28. Shall be equipped with an alarm for backup of (ECCO sa917-pm2) standard.
 29. The apparatus shall be equipped with a load management system that will not let the system drop below 12.3V.
 30. The apparatus shall have an automatic high idle that increases rpm before the load manager sheds any electrical components unless in pump gear.
 31. Electrical switch layout shall be determined for driver and officer after review of submitted drawings.
- **Engine System**
 1. The apparatus shall be equipped with a 2010 compliant motor, with a minimum 425 hp rating. (ISL Cummins model) standard or equivalent.
 2. All service related items for general maintenance should be easily accessible engine oil, trans oil, radiator, power steering etc.
 3. The air filter shall be located for ease of servicing and be a replaceable type.
 4. The air filter inlet shall have an ember separator device.
 5. The fuel system shall include a primary and secondary filter system with a water separator easily accessible for maintenance.
 6. The engine shall be equipped with a (Jacobs compression brake) or approved equivalent, one on off switch and a three-stage low/medium/high switch at the driver's panel.
 7. The engine brake shall not be admitted to operate during pumping operations.
 8. The engine shall have a high idle switch at the driver's panel, pump panel and will operate automatically when the charging system needs amperage increased prior to shedding components. High idle will not operate when in pumping operations.

 - **Transmission and Drive Train**
 1. The transmission shall be compatible with the hp rating of the engine. (Allison EVS3000) standard
 2. The transmission shall have an oil cooler installed with it.
 3. The apparatus shall have a PTO driven hydraulic system.
 4. Cab shall be equipped with a touchpad Allison transmission shifter with backlighting.

5. The apparatus shall have (ON-SPOT) or approved equivalent auto tire chains on drive axle.
 6. The rear drive axle gear ratios will be set for quick urban response.
 7. Drivelines shall have slip joints on every section and shall have Spicer 1710 series heavy-duty u joints w/ half round end yokes. standard
 8. Driveline analysis shall be provided at delivery
- **Pump and Pump Compartment**
 1. The apparatus shall have a pneumatic pump shift located in the driver's position with appropriate pump engaged lighting.
 2. The pump shall be hydrostatic tested to a min of 500psi for 10 minutes.
 3. The pump manufacturer shall provide a certificate of completion for hydrostatic test
 4. The pump shall be a q max (Hale brand) for fleet compatibility with 1500 gpm rated, single stage centrifugal, mid ship mounted pump.
 5. All lines excluding tank fill and tank to pump shall have a burst psi rating of up to 500psi
 6. The pump operator panel shall be on the driver side most forward position possible. Arranged and installed in a systematic manner to provide user-friendly operation and lighting for all controls, with a drawing for purchaser approval.
 7. The pump panel shall be covered with a black vinyl backing on aluminum w polished aluminum trim where needed.
 8. Pump panel shall include a button for operating apparatus air horns.
 9. The Pump panel shall have a plug for (David Clark) for fleet compatibility headsets and push to talk button.
 10. The panel shall include gauges and a warning system for engine oil psi, engine temp. and transmission temp. this may be a part of a "command zone" center or equivalent device.
 11. This apparatus will have a 20-gallon around the pump foam proportioning system with supply plumbed to all pre connects. Direct injections system w electronic control display.
 12. All valve / gauge and outlet systems shall be color-coded.
 13. The pump shall have a high capacity oil less priming system. (Hale ESP)
 14. The pump shall have a self-adjusting, maintenance free mechanical type seal.
 15. The pump plumbing shall be all stainless steel; an anode shall accompany the pump housing.
 16. The pump area shall be easily accessed from both sides and underside for maintenance.
 17. The pump shall be operated with current electronic psi controls system, with the capability to manual override.
 18. Intakes will be provided on both side of the vehicle with intake relief valves; these shall be 6 inch NST male thread, drivers side with an (Elkhart) for fleet compatibility, intake model 9786 w 5 inch storz inlet. All other valves will be (Akron) for fleet compatibility, heavy-duty valves with 5 year warranty.

19. The passenger side 6 inch intake shall be equipped with an electronic (Jamesbury) butterfly valve and chrome cap with override capability.
 20. The pump shall be equipped with an auxiliary cooler system.
 21. Pump inlets shall have removable corrosion resistant screens.
 22. The pump shall have two 2 ½ inch NST outlets on both sides, a 4inch piped outlet with NST on the passenger side with storz adapter and cap.
 23. All discharges will be provided with chrome 30 deg chrome angle adapters.
 24. Shall have a single source supply 5 inch pipe, with storz connection for the aerial waterway at the rear of the apparatus.
 25. All Pump, intake and discharge lines shall have ¼-turn class 1 drain valve.
 26. Two heavy-duty fold down steps shall be provided on each side of the pump area for access to the cord reel and generator area.
 27. The apparatus cab shall have large color-coded water level indicators outside on both upper rear sides of the cab body.
- **Hose Beds, Trays, Tank and Layouts**
 1. This apparatus shall have four (4) pre-connected hose beds. Three cross lays will be in the front of the pump panel area, w/ one 2 ½ inch NH connection on the bottom and two 1 1/2 NH connections above that.
 2. These cross lays will all have removable loading beds at the lowest possible location, capable of carrying minimum of 200ft 1 ¾ hose, 200ft 2 ½ hose.
 3. The manufacturer shall provide three (3) extra removable hose beds upon delivery.
 4. The front bumper will carry a 1 ½ NH pre connect coupling with a covered compartment capable of carrying a minimum of 150 feet of 1 ¾ hose and nozzle.
 5. This apparatus shall be able to carry 500 feet of 5-inch supply line in the middle of the truck above the booster tank, it will deploy from the rear in a chute type.
 6. This apparatus shall be able to carry 300 feet of 2 ½-inch supply line in the middle above the booster tank and deploy from the rear in a chute type.
 7. The apparatus will have heavy-duty red vinyl hose bed covers for all beds.
 8. A compartment will be located above the pump panel to allow for storage of two backboards.
 9. Passenger pump panel running board shall have a compartment for 5" supply line capable of carrying a min of 30'
 10. This apparatus shall have a 500gal minimum booster tank with a lifetime guarantee of the tank.
 11. This apparatus will have a 20-gallon around the pump foam system with supply plumbed to all pre connects.

- **Bumpers**

1. Shall be constructed of heavy gauge steel
2. Front bumper will be manufactured in a “Chicago” style
3. Rear bumper shall be built to manufactures specs, shall be stainless steel.
4. Bumpers shall be topped with polished diamond plate as needed.
5. Front bumper shall be a minimum of 24 inches in width.
6. Front bumper shall have air horns, Q-2 siren and electric siren mounted or installed in it.
7. The front bumper shall have red (Whelen 700 series) or approved equivalent strobes on each corner.
8. Front bumper shall have a pre-connected hose bed covered compartment.
9. Front bumper shall have chevron striping on front and sides
10. See desirables for other bumper options needed for RFP review.

- **Compartments**

1. This Apparatus shall comply with NFPA 1901 on all Equipment supplied by the contractor and chapter 15 Compartments/ equipment mounting
2. All Compartments shall be a hinged compartment design, full depth side compartments.
3. All compartment handles shall be heavy duty D ring style and will have exterior chrome bezels w/ non-moisture absorbing gaskets.
4. Brackets and compartments shall be furnished to organize and mount specific equipment provided by the purchaser.
5. The right center compartment shall have adjustable mounting hardware tool board.
6. Adjustable shelves shall be included where purchaser requires, (7) minimum.
7. A detailed list of who is supposed to furnish the items and method of organizing and mounting shall be supplied by the purchasing authority.
8. All compartments shall have removable tiles on all shelves and bottoms of compartments
9. A full-length slide out vertical tray shall be provided in the drivers side front compartment.
10. The apparatus shall have a minimum of two slide out trays included, compartment to be determined by purchaser.
11. All compartments shall have LED strip lighting on interior forward framing one on each side of hinged doors, running the full length of compartment. (On scene solutions nightstick) or approved equivalent.
12. All compartments shall be of a sweep out design, bottom being higher than frames.
13. All interior compartments shall be sprayed with a heavy-duty grey spatter coating.
14. The interior side of all compartment doors shall be polished aluminum.
15. The interior lower portion of all doors shall have a Chevron reflective stripping
16. Total compartment space shall be at least 150 cubic feet.

17. Shall carry a minimum of 85 ft of ground ladders at rear of apparatus per NFPA standards.
18. Shall carry a minimum of 15ft soft suction hose or 20ft of hard suction
19. Shall carry all pike poles within ladder compartment per NFPA equipment standards.
20. Shall carry a minimum of 4 extra SCBA cylinders in compartments above wheel wells with rubber lining and sealed chrome latching doors.

- **Cab and Contents, Safety Features**

1. The cab shall be a full tilt- 6 person 10 inch-raised roof, 4 side entry doors.
2. The cab shall be an open space design free of interior walls or obstructions.
3. The cab shall be built with minimum of 3/16 inch aluminum construction.
4. The apparatus cab shall have an electric over hydraulic cab lift with a manual over-ride lift system.
5. The cab shall be built to the manufacturers largest capability
6. The cab shall have (4) passenger entry side doors and be built with a min of 36” width
7. The underbody of the cab shall have corrosion protection sprayed on it to MIL Spec C-16173-C, grade1 or approved equivalent with 10-year warranty for corrosion protection.
8. The cab shall have two (2) fixed position windows between the forward cab and the crew cab, all cab windows will be tinted to protect from 100% UV rays and made of approved safety glass.
9. The cab doors shall have heavy-duty latching systems and heavy nylon door restraint stops. Doors shall have 96 sq” of reflective material at the bottom portion to meet NFPA standards, all other area will be polished diamond plated.
10. The cab doors shall have all electric controlled windows.
11. Cab mirrors shall be a chrome (Moto mirror), or approved equivalent electric adjustable and heated, and upper portion being flat glass with lower convex mirrors on both sides.
12. All seats shall be made of a durable vinyl for easy cleaning or manufacturer’s equivalent.
13. The driver’s seat shall be an adjustable high back seat with air ride base.
14. The officer’s seat shall be a solid mount base with hands free SCBA capability, with a latching diamond plated door storage compartment underneath it opening from the curbside.
15. The officer seat shall have an individual flexible map light on the forward A post location and a red lens option for all overhead dome lights.
16. The officers and drivers seat shall have height adjustable shoulder strap seatbelts.
17. The cab center console shall provide holders and storage for appropriate map books & T.I.C.
18. The cab center console shall accommodate a space for the officer’s Mobile Dispatch Terminal. (MDT)

19. The apparatus shall have a hand chain for air horns mounted on the interior roof for the drivers and officer's side.
20. The apparatus shall have an am/fm radio system with weather band mounted in overhead console.
21. The apparatus shall have a Motorola 700/800 MHz XTL5000 radio mounted in overhead console on officer's side and will have an external speaker mounted inside rear rider area for radio traffic.
22. The cab shall have a (David Clark) intercom system for four positions; with the driver, officer and pump panel positions to have push to talk capability.
23. The apparatus shall have air bags for driver and officer, and any other safety features offered by manufacturer.
24. The cab shall provide adequate overhead dome lighting for all riding positions including red lens for officer and driver.
25. The manufacturer shall provide a drawing of all dash components and gauges, warning lights, switch layout etc. For purchasers approval.
26. A glove box will be provided for officer's position.
27. Sun Visors shall be supplied for driver and officer.
28. The rear compartment of the apparatus shall have two rear facing seats. Outward on each side with rigid frame and hard mounted with hands free SCBA restraints.
29. There shall be a shelved medical storage cabinet with a roll up door (ROM) or approved equivalent in the middle rear, facing forward. Size to be determined or as large as possible and also accessible from the exterior of the cab.
30. Storage cabinet shall have axe mounting hardware located on both sides and a roll up door (ROM) or approved equivalent.
31. There will be four coat hooks in the rear of the cab two forward and two on rear wall.
32. The cab interior shall be gray/black rubberized, mar resistant, texture finished. All door areas and panels subject to damage will be polished diamond plated.
33. The heating and air conditioning system shall be sufficient for all cubic feet and shall have a rear and front control system.
34. The cab will have floor heating ducts
35. The front grille shall be made of stainless steel.
36. The interior shall have grab rails where appropriate.
37. The cab/ chassis body will have polished stainless steel fenderettes to protect the body w/ non-moisture gathering gaskets.
38. The cab shall have drip rails at the top of roofline.
39. The body of the apparatus shall have polished aluminum rub rails around the bottom portion, 3.50" high with 1.50 wide flanges not to be an integral part of the body in case of replacement needs; lower running lights should be mounted inside.
40. Cab and body Paint will be a two tone, design to be determined after award.
41. Body shall have adequate steps for accessing hose beds and top of apparatus.

42. The apparatus will have wheel well liners to reduce road splash and corrosion or pre-approved undercoating equivalent.

RFP Quint/ Aerial apparatus
Evans Fire Department

- **Aerial**

1. The aerial ladder shall be constructed of aluminum, preferable for optimum GVWR. This shall be built to NFPA 1901 standards chapter 20 aerial devices.
2. This aerial shall be a rear mount aerial device.
3. The aerial shall have all electric components listed in electrical section, lighting and supply.
4. There shall be two sets of heavy-duty folding steps at the tip required for two firefighters positions when elevated.
5. The apparatus shall carry attachments on the last fly for pike pole, fire axe, and attic ladder.
6. The aerial device shall have a pre-piped water system with an electric adjustable nozzle meeting all NFPA requirements.
7. The adjustable nozzle shall be an electric (TFT) model or approved equivalent.
8. The pre-piped system shall have a 1 ½ NH connection at the furthest tip of the waterway for a hose line connection.
9. The aerial must meet or exceed 500 lb tip load.
10. The aerial device will have a pinable waterway and nozzle for rescue mode.
11. Fly section should be a minimum of 25" wide for rescue stokes egress.
12. The aerial first fly section shall have a rescue-stokes basket mounting bracket located on the exterior and roof ladder on opposite side.
13. The aerial will have nozzle monitor controls at base control panel and at the tip.
14. The aerial shall have 4500psi breathing cylinder on outside of base and breathing air quick connection at tip.
15. The aerial shall have David Clark intercom port at tip with push to talk capability.
16. The aerial shall have two rescue anchors at tip rated to min 500lbs.
17. The aerial shall have 12v LED lighting for steps and tracking.
18. The aerial shall have a panel exterior on both side for the EVANS FIRE PROTECTION logo and name.

- **Paint and Finish**

The manufacturer shall warrant acrylic urethane finishes on apparatus for a period of at least five years from its date of delivery for the following.

Cracking or Checking of coats

Loss of gloss caused by chalking or fading

Peeling of the top coat or all layers

Spot or random discoloration in the overall finish

Chassis paint

The Frame and all running gear components shall be painted gloss black enamel.

Cab Exterior Paint

1. The final finish to the cab and body shall be to fire apparatus standards, all imperfections will be filled with polyester body filler and finished. All weld marks shall be addressed and smooth.
2. The paint scheme will be of a two tone, final approval of colors and design will be determined after award.
3. Touch up paint for all colors will be provided. 1 spray can each and 1 bottle with brush for each color.

- **Performance Tests**

1. Testing shall be performed by fire department personnel prior to leaving the factory.
2. The apparatus shall be fully loaded with water and undergo a drive test for all proper operations by fire department personnel.
3. Manufacture shall permit at least three full days of testing by fire department personnel.
4. Manufacturer shall provide a factory representative to assist in all testing and training.

- **Certification and Acceptance**

1. The apparatus shall be supplied with an Underwriters Laboratories pump and aerial certification.
2. All ground ladders shall have testing certifications.
3. Three (3) construction conference and inspections shall be provided by manufacturer for two (2) fire department personnel, all cost is paid for by the

manufacturer included in the proposal. 1 Pre Build, 1 Mid build and 1 Final inspection.

- **Apparatus Delivery**

1. The City of Evans shall take delivery of the apparatus no more than 300 calendar days from the start date of contract.
2. The apparatus shall be delivered to the Evans Fire Department by one of the following options, shipped via lowboy trailer if properly protected from the elements. The apparatus may be driven by manufacturer personnel. The apparatus may be driven by fire department personnel. **No drive away companies shall be utilized.**
3. All shipping, driving (fuel, insurance, tolls etc.) cost shall be the responsibility of the manufacturer.

- **Warranty Minimums**

1. The manufacturer shall warranty this vehicle for one year from date of final acceptance. The manufacturer shall warranty any item, system or component not already covered by another warranty.

- **Delivered Equipment Minimum**

This equipment shall be delivered with the apparatus, including all mounting hardware. Those items not attached to the apparatus excluding ground ladders can be delivered to the city of Evans prior to delivery of the apparatus.

1. (Duo-Safety) Ground ladders, 1 24ft extension, 1 35ft extension, 2 16ft roof ladders, 1 attic ladder collapsible.
2. (Akron) pike poles, 1 12ft round fiberglass handle, 1 8ft round fiberglass handle, 1 6ft round fiberglass handle, 2 3ft round fiberglass w/ D handles
3. 500ft 5" supply hose yellow in color w/ storz connections (Highwater hose)
4. 600ft 1 ¾ hose red in color (Mercedes mtfs800)
5. 400ft 2 ½ hose yellow in color (Mercedes hose)
6. 20ft hard suction hose and low level strainer
7. 1 Amerex pressurized water can
8. 1 20 lb ABC fire extinguisher
9. Wheel chocks mounted under left front compartment
10. All appliance adapters per NFPA standard 8.8.3.1 minimums for an aerial shall be provided.
11. 2 hydrant wrenches and four spanners with mounting hardware
12. Motorola 700/800mhz radio XTL installed in apparatus
13. David Clark or approved equivalent system installed in apparatus.

- **Desirables**

These desirables should be listed separately from the minimum requirements listed in this RFP. These should include drawings where appropriate, all need pricing for them.

1. Extrication tool compartment in custom front bumper, for a Halmatro PPU-15 mini pump, cutters and spreader tools, including all components from original RFP bumper. Drawing options and cost needed.
2. Rear back up camera and screen mounted at driver position.
3. Roof mounted, extended rear view, heated, remote control mirrors
4. Mars Light mounted at front center of cab on individual bracket.

Other features offered, are those that the EFD feels could, if available; enhance the offeror's proposed solution, after all minimum requirements being met.

If the Offerer has a stock truck meeting most of these requirements they may include a bid for it within this RFP, please make it a separate bid from the specified unit requested here.

Section V
CONTRACT DOCUMENTS
FOR
2012
Apparatus Design and Build

City of Evans, Colorado

March 14st, 2012

Buyer
City of Evans
Fire and Rescue Department
1100 37th Street
Evans, CO 80620

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ARTICLE I

GENERAL DOCUMENTS

Information for Bidders

Non-Collusion Statement

Bid Proposal Sheet

Notice of Award

Acceptance of Notice of Award

Agreement

Change order

INFORMATION FOR BIDDERS

Bids will be received by the City Clerk of Evans, Colorado (herein called the "City"), at Evans Community Complex, 1100 37th Street, Evans, CO 80620 until **4:00pm 14th of March, 2012** and then at said place and time publicly opened and read aloud.

Each Bid must be submitted in a sealed envelope, addressed to:

Robert Standen
City of Evans
1100 37th Street
Evans, CO 80620

Each sealed envelope containing a bid must be plainly marked on the outside as bid for:

Apparatus Design and Build

and the envelope should bear on the outside the name of the bidder, his address, and the name of the item for which the bid is submitted. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed to: Robert Standen, City of Evans, 1100 37th Street, Evans, CO 80620.

All bids must be made on the required bid form. All blank spaces for bid prices must be filled in, in ink or typewritten, and the bid form must be fully completed and executed when submitted. Only one copy of the bid form is required.

The City reserves the right to waive any informalities or minor defects or reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. No bidder may withdraw a bid within 10 calendar days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the City and the bidder.

The successful bidder is required by the Information for Bidders to execute the Agreement within ten (10) calendar days from the date of the Notice of Award. Failure to execute said Agreement within ten (10) days from the date of the Notice of Award, the City will be entitled to consider all rights arising out of the City's acceptance of the Bid as abandoned. The City will be entitled to such other rights as may be granted by law.

The City, within ten (10) calendar days of receipt of Agreement signed by the party to whom the Agreement is awarded, shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the City not execute the Agreement within such period, the bidder may, by written notice, withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the City.

The City may make such investigations as deemed necessary to determine the ability of the bidder to supply the item(s) as described in the Special Conditions, and the bidder shall furnish to the City all such information and data for this purpose as the City may request. The City reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the City that such bidder is qualified to carry out the obligations of the Agreement. The City reserves the right to reject any conditional or qualified bid.

Each bidder is responsible for reading and being thoroughly familiar with the contract documents. The failure or omission of any bidder to do so shall in no way relieve any bidder from any obligation in respect to his bid. The successful bidder will not be allowed any extra compensation in the form of contract price or time by any matter on which he could have fully informed himself or the City of prior to the bidding.

The Buyer is City of Evans, 1100 37th Street, Evans, Colorado 80620; Contact person is Robert Standen City of Evans Fire Department 970-339-3920 (970-302-0101)

NON-COLLUSION STATEMENT
Apparatus Design and Build

_____, being first duly sworn, deposes and says that:

(1) He is the _____ of
(owner, partner, officer, representative or agent)

_____, the bidder that has submitted the attached bid;

- (2) He is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;
- (3) Such bid is genuine and is not a collusive or sham bid;
- (4) Neither the said bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other bidder, or to fix any overhead, profit or cost element of the bid price or the bid price of any unlawful agreement any advantage against the City of Evans or any person interested in the proposed contract; and
- (5) The price or prices quoted in the attached bid are fair and proper and are not tainted by a collusion, conspiracy, connivance, or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Signed: _____

Title: _____

Subscribed and sworn to before me this _____ day of _____, A.D., 2009.

Notary Public
My Commission expires:

BID PROPOSAL

Apparatus Design and Build

Proposal of

(hereinafter called "Bidder"), organized and existing under the laws of the CITY OF EVANS, EVANS, COLORADO, doing business as *

to the City of Evans (hereinafter called City).

In compliance with your Advertisement for Bids, bidder hereby proposes to supply the item(s) as described in the Special Conditions for the **Apparatus Design and Build** in strict accordance with the contract documents, within the time set forth therein, and at prices stated below.

By submission of this bid, each bidder certifies, and in cases of a joint bid, each party hereto certifies as to his own organization, that this bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other bidder or with any competitor.

Bidder hereby agrees to deliver item(s) described in this contract on or before a date specified.

Bidder acknowledges receipt of the following Addendum:

Bid shall include all applicable taxes and fees.

Bidder agrees to provide all items described in the contract documents for the following lump sum:

A. _____ (\$ _____)

* Insert "a Corporation", "a Partnership", or "an Individual" as applicable.

NOTICE OF AWARD

TO: _____

PROJECT DESCRIPTION: Apparatus design and Build

The City, represented by the undersigned, has considered the bid submitted by you for the above described item(s) in response to its Advertisement for Bids dated February 1st, 2012.

You are hereby notified that your bid has been accepted for,

Apparatus design and build

in the amount of _____ (\$ _____).

You are required by the Information for Bidders to execute the Agreement within ten (10) calendar days from the date of this Notice to you. If you fail to execute said Agreement within ten (10) days from the date of this Notice, City will be entitled to consider all your rights arising out of the City's acceptance of your bid as abandoned. The City will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the City.

Dated this _____ day of _____, 2012.

The City of Evans
(City)

By: Robert Standen

Title: Assistant Chief

ACCEPTANCE OF NOTICE

Apparatus design and build

Receipt of the above Notice of Award is hereby acknowledged by

_____ this the _____ day of _____ 2012.

By:

Title:

AGREEMENT

THIS AGREEMENT, made this day of _____, 2012, by and between the City of Evans, and doing business as _____ herein after called "Vendor".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The vendor agrees to provide all item(s) as described in the Contract Documents and comply with the terms therein for the sum of \$ _____ for the project **apparatus Design and build.**

2. The term "Contract Documents" means and includes the following:

- a. Information for Bidders
- b. Bid Proposal Sheet
- c. Non-Collusion Statement
- d. Notice of Award
- e. Agreement
- f. Change Order

No. _____, dated _____, 2012
No. _____, dated _____, 2012
No. _____, dated _____, 2012

3. Payment shall be made to the vendor no later than (30) thirty days after delivery. Unless other arrangements or lease have been arranged.

4. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement, each of which shall be deemed an original on the date first written above.

THE CITY OF EVANS

VENDOR

BY _____

BY

NAME Lyle Achziger

NAME

TITLE Mayor

TITLE

ADDRESS 1100 37th Street
Evans, CO 80620

ADDRESS

(SEAL)

ATTEST:

ATTEST:

NAME Kim Betz

NAME

TITLE City Clerk

TITLE

APPROVED AS TO FORM:

Evans City Attorney

APPROVED AS TO SUBSTANCE:

Evans City Manager

CHANGE ORDER

CHANGE ORDER NO.

DATE:

PROJECT:

TO (VENDOR):

JUSTIFICATION:

You are directed to make the following changes in our order. All other terms and conditions of the contract not expressly modified hereby shall remain in full force and effect.

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EST. QTY.</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>AMOUNT</u>
-----------------	--------------------	------------------	-------------	------------------	---------------

The original contract sum was \$

Net change by previous change orders \$

The contract sum prior to this Change Order was \$

The contract sum will be (increased) (decreased) or (unchanged) by this Change Order \$

The contract sum including this Change Order will be \$

The new contract time will be (increased) (decreased) or (unchanged) by () days.

The date of delivery as of the date of this Change Order is therefore , 2012.

ACCEPTED BY:

Vendor _____

Address _____

By _____

Date _____

ORDERED BY:

The City of Evans
1100 37th Street
Evans, CO 80620

By _____

Date _____

