



El Dorado County Emergency Services Authority

Board of Directors Meeting

Wednesday, October 24, 2012, 9:00 a.m.

El Dorado County OES Conference Room, 330 Fair Lane, Placerville, CA 95667

MINUTES

1. Call to Order/Roll Call/Introductions - 1008

Schwab

Directors Keating/Rescue Fire, Hardy/El Dorado County Fire, Gill/Pioneer Fire, Schwab/Georgetown Fire, Teter/Cameron Park, Davis/Mosquito Fire, Dekker/Garden Valley, Roberts/El Dorado Hills Fire Combs/Diamond Springs, and Director Hackett/JPA.

Guests: Luke Sheppard, Luke Campbell/FFP, Michel Dennis/EDC Fire Board Member, Ripley Howe/League of Fire Boards Coordinator, Directors Hartley & Winn/EDH Fire Board, Tom Zarback, Jim O'Camb, Supervisor Elect Ron Mikalako, Rich Todd/EMSA, and Jose Henriquez/LAFCO.

2. Approval of Agenda

Schwab

Motion to approve Agenda by Hardy; seconded by Gill and motion carries unanimously.

3. Public Comments

Schwab

Public comments will be received on each agenda item as it is called. The public may address matters not on the agenda at this time. Individual comments will be limited to three (3) minutes. The Board reserves the right to waive said rules by a majority vote.

Mikalako reported 2012/13 County Budget Projection of no growth and decreases in county revenues.

A Motion to move Old Business Item 8.1 by Keating to immediate discussion, seconded by Dekker and motion carries.

8. Old Business (Approval Motion to move Item)

Hackett

8.1 Review/Approve Medic 26 Removal from System

- Director Hackett discussed AdHoc Committee Meetings that met to discuss the removal of Medic 26 to garner the cost savings needed for a balanced budget. El Dorado County requested the desire to have the opportunity to serve again in this capacity when available.*
- No reflection on El Dorado County Fire's management of the unit is being reflected in this decision; it's simply economics.*
- Have we looked at everything? We have analyzed the 1.2 mil deficit with continued saving efforts, but immediate action is what's needed to close the gap.*

A Motion by Combs to reduce service in an effort to close 1.3 million dollar gap by removing Medic 26 from the system; seconded by Teter and motion is carried with 9 Ayes and 1 Nay by El Dorado County Fire.

4. Consent Calendar

Schwab

4.1 Approval of JPA Board Minutes of September 19, 2012

4.2 Receive/File Systems Status Management Minutes of August 22, 2012

4.3 Receive/File Special Finance & JPA Board Minutes of September 18, 2012

4.4 Approval of September 2012 Bills

4.5 Receive Medical Response Statistics and Monthly Mutual Aid from September 2012

Motion to approve Consent Calendar by Roberts; seconded by Hardy and motion carries unanimously.

5. Correspondence -

5.1 EMS and HHSA Public Health

Hackett

- Director Hackett addressed letters from Public Health informing the Board of Directors regarding the balance due of \$228,142.81 that will be paid immediately.*
- EPCR reporting*
- Payroll Audit*

6. Reports

6.1 Report from JPA Systems Management Committee Meeting of Sept. 26, 2012 Hardy
Finished IFT Card 33 effective Oct. 1, 2012 with specific ring tone and direct phone number. Hardy reported further discussion on M-26 removal from system.

6.2 Reports from JPA Board & Systems Ad Hoc Committees of Oct. 2nd and 4th respectively Roberts/O'Camb

- *Long-term and immediate cost savings were discussed and extensive discussion on removal of M-26.*
- *Extra help pool has already saved money.*
- *Move-up and cover policy was discussed and recommended allowing ECC to manage the move-ups.*
- *The committee will evaluate the movements in February 2013 and adjust as needed.*

7. Fiscal Items

7.1 Audit Update Hackett

County Fire approved their budget and voted to reimburse the JPA for the remainder of \$228,142.81 owed.

7.2 Review Revenue & Expenditures for 1st Qtr FY 2012/13 Hackett

Spreadsheet provided; no questions.

7.3 Review/Discuss deferring purchase of Command Point Mobile Combs

Discussion of GST implementation of Command Point Mobile will cost \$165,000. A motion by Combs to defer this purchase was seconded by Keating and motion carried with one abstention by Latrobe.

9. New Business Schwab

9.1 2013 Nominations for JPA Board and its Sub-Committees

A Motion by Keating to nominate the following directors for 2013 JPA Board was seconded by Gill and the motion carried unanimously:

Chairman – Roberts, Vice Chair – Schwab, Secretary/Treasurer – Dekker

The Sub-Committees will make their nominations at their individual meetings for next year.

9.2 Review/Approve updated Systems Policy

Changes to the Policy were discussed. A Motion to approve those changes to Systems Policy was seconded by Keating and the motion carries unanimously.

9.3 Request from El Dorado Hills Fire to add Forte Holdings to our list of approved vendors for alternative field platform Technology

GST is the only vendor in the system right now for Communications, Programming issues and CAD push capabilities. A letter is needed to send to CalFire from the JPA to approve the new vendor for Alternative Technology. A Motion by Gill to select Forte Holdings as an approved vendor; seconded by Hardy and motion carries with one abstention by Latrobe.

10. Director Items

Pioneer – none

EDC – Approved their Final Budget and the Board approved to pay Loaned Labor owed to JPA.

Rescue – none

Mosquito – none

JPA – Annual Inventory is due and Budget Packets forecasting FY 13-14 will be requested.

A Motion made for combined Nov/Dec meetings scheduled for Wednesday ~ Dec 5, 2012 by Combs; seconded by Gill and motion carries.

Cameron Park – none

Diamond – The Gold Country was in support of Contract - only requested a few corrections to refer to them as a Retirement Community. The contract will include a multi-year agreement rather than an annual.

Latrobe - none

EDH - none

Garden Valley – 3 Paramedics looking for FTOs for accreditation. Need Fire District(2) for Internship.

GT - none

11. Adjournment – 1115 hours Schwab

Motion to adjourn by Roberts; seconded by Hardy and motion carries unanimously.

EL DORADO LAFCO

LOCAL AGENCY FORMATION COMMISSION

550 Main Street Suite E • Placerville, CA 95667
Phone: (530) 295-2707 • Fax: (530) 295-1208
lafco@edlafco.us • www.edlafco.us

MEMO

TO: Special District Selection Committee

FROM: José C. Henríquez, Executive Officer
El Dorado Local Agency Formation Commission

DATE: September 20, 2012

SUBJECT: ***Election of Regular Special District Representative to El Dorado LAFCO; Nominations for Special District Commissioner***

Pursuant to the provisions of Government Code Section §56332(d), the Executive Officer has determined that the business of the Special District Selection Committee will be conducted in writing to elect the Special District Representative for a new four-year term beginning in May 2013.

The nomination period will be **132 days**; all nominations are due in writing on or before **February 1, 2013**. Nominations received after that date cannot be accepted and will be returned to your District. A nominee must be a Director from an independent special district within El Dorado County. To be valid, all nominations must include the following:

- 1) Name and district of the nominee
- 2) Name of the nominating district
- 3) **Wet Signature** of the Presiding Officer of the District's Board of Directors or the record of nomination made by majority vote at an official meeting of your District's board (Resolution or Minute Order can be attached)

Please submit a statement of qualifications (not to exceed one page) for each nominee.

One ballot listing valid candidates and voting instructions will be sent via email to those Districts who have opted to receive and complete the election by email and by certified mail to each District opting to receive materials by mail. The one page statement of qualifications will be included as submitted.

Contact the LAFCO office at (530) 295-2707, if you have any questions.

Enclosure: Election Nomination Ballot

S:\Elections\2012 Special District Election\SDE Nomination Memo--Sep 20 2012.doc

COMMISSIONERS

Public Member: Don Mette • Alternate Public Member: Niles J. Fleege
City Members: Bruce Grego, Wendy Mattson • Alternate City Member: Carl Hagen
County Members: Ron Briggs, James R. Sweeney • Alternate County Member: Ray Nutting
Special District Members: Ken Humphreys, Vacant • Alternate Special District Member: Shiva Frentzen

STAFF

José C. Henríquez, Executive Officer • Erica Sanchez, Policy Analyst
Denise Tebaldi, Interim Commission Clerk • Andrew Morris, Commission Counsel

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SPECIAL DISTRICT NOMINATION

Special District Representative to LAFCO

Position	Nominee's Name	Originating District
Regular Special District Member		

SIGNATURE OF PRESIDING OFFICER: _____
(Original Signature Required)

PRINTED NAME OF PRESIDING OFFICER: _____
(Required)

NAME OF NOMINATING DISTRICT: _____

MINUTES ATTACHED (Optional): Yes No

Nominations must be received by LAFCO before

5:00 p.m. on February 1, 2013

Return to:

**LAFCO
550 Main Street, Suite E
Placerville, CA 95667**

S:\Elections\2012 Special District Election\Election Nomination Ballot_September 20 2012.doc

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Public Member: Don Mette • Alternate Public Member: Niles J. Fleege

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100 Ft. Aerial Ladder / Platform “Quint” Purchase

Summary:

A committee of seven El Dorado Hills Fire personnel was selected to evaluate the current aerial ladder truck (8591) as it nears its end of service life of 15 years. They were also tasked with making recommendations for a replacement ladder truck.

Truck 8591 has been in service for over 12 years and was the first ladder truck to be purchased by the El Dorado Hills Fire Department. Over the last few years, 8591 has had an increase in mechanical problems costing over \$14,000 in 2012 with over 92 out of service days with the last break down being on an active structure fire.

After months of research, the committee came to the Chief with two recommendations: 1) Due to the high maintenance costs and the unreliability of 8591, replacement was recommended for 2013. 2) The ladder that best fit the needs of the community was a mid mount aerial platform. The Chief approved the committee’s recommendations.

The Chief directed the committee to prepare a Request for Proposal process that would facilitate a short delivery time, given what we have determined is an urgent though non-emergency need. Delivery time was specified as within 90 days of contract execution. The intent of the RFP was to procure an aerial platform truck, either “stock”, a “demonstration” model, or a model already under construction by the manufacturer. Our research indicated this was the fastest way to procure a vehicle and that the demonstrator or stock models were typically well designed and equipped to be attractive to prospective agency purchasers. Furthermore, purchasing a stock model allows us to benefit from the experience of the manufacturer, eliminates the need for the development of extremely detailed specifications by our personnel, reduces inspection trips and time and, most importantly, decreases construction and delivery timeframes. This approach required preparation of an RFP that spelled out the minimum criteria needed to serve our community. The RFP was submitted to all known active, single source manufacturers of mid-mount aerial platform trucks.

After sending out the RFP to six vendors that make mid mount aerial platform trucks, two proposals were received. The committee evaluated each proposal against the criteria set forth in the RFP. Sutphen Fire Apparatus was the only vendor in full compliance of the RFP. The bids listed below include sales tax.

Sutphen	\$1,059,431.00	Delivery within 30 days
Ferrara	\$1,038,979.00	Delivery within 60 days

Fiscal Impact:

\$1,059,431.00 - The cost of this unit will come out of the Capital Replacement Fund that has a balance of \$6,383,196 as of June 30, 2012. There will be some minor additional costs associated with the final acceptance. These costs will be for items needed to accommodate El Dorado Hills FD equipment and operational needs. The total costs will be under the \$1,100,000 budgeted for this apparatus.

Recommendation:

Staff recommends purchase of a new Sutphen Mid-Mount Aerial Platform which is available for delivery within 30 days. Upon approval by the Board, Staff will coordinate with legal counsel to finalize a contract of sale with the selected manufacturer on the price quoted and on the terms and conditions set forth in the Request for Proposal and the specifications attached.

Attachments

- RFP Comparison/Spreadsheet/Request for Proposal and Specifications
- Replacement statement

TRUCK

	Sutphen	Ferrara	E-One	KME	Smeal	Pierce
Price	987,815	968,745				
Delivery	30-45 days	60 days				
Single Source Mfg	Yes	Painted				
Cab/Chassis	Shield S2 MFD w/10" raised roof	Igniter XMFD w/8" raised roof				
Engine / 500 HP	Cummins ISX 11.9 500HP	Cummins ISX 11.9 500HP				
Transmission	Allison EVS4000 automatic	Allison EVS 4000 automatic				
95ft Aerial Platform Mid Mount	100 ft mid-mount Dual monitors	100 ft mid-mount Single monitor				
Pump Type / GPM (1500gpm)	Hale Qmax / 1500GPM	Hale Qmax / 1500GPM				
Water Tank Size	300 gallon	300 gallon				
(2) 1 3/4" Crosslays	(2) 200' 1 3/4" (1) 2 1/2"	(2) 200' 1 3/4"				
1 1/2" Front Bumper discharge	Will Add	Yes				
Supply Hose bed 500 ft 5" / 350 ft 3"	(Yes)	(Yes)				
Ground Ladders	35' extension, 14' Combi, 24' extension, 10' Attic, (2) 16' Roof, Parapet ladder	35' extension, 14' combi, 24' extension 10' Attic, (2) 16 Roof				
LED Emergency Lighting	Yes	Yes				
Kenwood Radio, CDF spec TK790 VFH	Yes	Yes				
Fire Com headset system : 3 wired	(3) wired / (2) wireless	(3) wire / (2) wireless				
2 wireless						
250 cu ft compartment space	293 cu ft	156 cu ft				
Shelving and compartment trays	Yes	Yes				
Overall Length	46'6"	49'				
GVW California compliant	Yes (GVWR 71,000)	No (GVWR 81,000)				
Service Facility	Valley Power (West Sacramento) *	None Listed or Provided				
Warranty Parts/Labor	1 yr	1 yr				
Warranty Frame Lifetime	Life time	Life time				
Warranty Aerial Structural 20 yr	20 yrs	20 yrs				
Warranty Aerial Mechanical 2yr	2 yrs	?				
Warranty Water Tank Lifetime	Life time	Lifetime				
Warranty Paint	7 yrs	4 yrs				
Warranty Body	10 yrs	10 yrs				
Warranty Cab	10 yrs	10 yrs				
Taxes	\$71,616	\$70,234				
Total	\$1,059,431.00	\$1,038,979.00				

* will train and contract with our current facility (Veerkamp const.)



El Dorado Hills Fire Department

November 20, 2012

REQUEST FOR PROPOSALS - Mid Mount Aerial Platform Quint Ladder Truck

Submit Bid Information to: El Dorado Hills Fire Department
1050 Wilson Blvd.
El Dorado Hills, CA 95762

Direct Inquires to: John Niehues, Battalion Chief
(916) 933-6623 ext. 47

Proposal shall be submitted by: December 5, 2012
3:00 p.m.

NO EXCEPTIONS

Late submittals will not be considered

The El Dorado Hills Fire Department has issued this Request for Proposals (“RFP”) for the intended purchase of a 95’ or greater Aerial Mid-Mount Platform (quint). This RFP is to purchase an apparatus that meets NFPA 1901 (2012) and the following minimum guidelines and requirements. Please furnish any and all documents, drawings, dimensions, price and delivery date that would assist us in making a knowledgeable comparison and decision. See the Mid-Mount Truck Minimum Specifications and Requirements set forth hereafter and the document entitled Request for Proposal for Quint Aerial Platform Truck, attached hereto as **Attachment 1**, for detail on specifications and submittal requirements.

The El Dorado Hills Fire Department reserves the right to reject any and all proposals without cause. Product quality, bid compliance, ability to deliver within timeline, warranty, and price shall be considered in combination or separately. The selected proposal will be based upon all of the criteria mentioned above.

METHOD OF DELIVERY:

Method of delivery shall be subject to the approval of the Department. Any and all costs for delivery shall be the responsibility of the vendor. Delivery shall be made to the District’s Station 85 located at 1050 Wilson Boulevard, El Dorado Hills, California 95762.

Mid-Mount Truck Minimum Specifications and Requirements

All proposals shall conform to, and include, the following minimum specifications and requirements, as well as those set forth in **Attachment 1** hereto. It is District's intention to purchase an apparatus that is from existing manufacturer inventory in an effort to minimize cost and expedite delivery timelines.

- Single source manufacturing
 - Cab / chassis (designed seating for six or more firefighters)
 - 500hp engine
 - Automatic Transmission
 - Mid mount Aerial platform 95' or greater
 - 1500gpm pump or greater
 - 300 gallon water tank minimum
 - (2) two 1 ¾" cross lay hose bed minimum
 - 1 ½" front bumper discharge
 - Supply hose bed for 500' 5" LDH and 350' 3"
 - NFPA complement of ground ladders (quint)
 - LED emergency lighting package
 - Kenwood Radio, TK790 VHF radio with CDF Spec
 - Fire Com headset system with 2 wireless and 3 wired headsets
 - Minimum of 250 cubic feet of cabinet space
 - Allowance for 6/8 shelves and 4/5 pull out trays and pac tool mounting board.
 - Date of delivery shall be less than 60 days from contract execution
 - Vehicle weight shall be California compliant, without special permitting or licensing required
- Date of Proposal review and selection:

December 6, 2012 1800 (Board of Directors Meeting)

CONTRACTUAL ARRANGEMENTS AND PAYMENT

The Fire Department and the selected apparatus manufacturer will enter into a written contractual agreement for purchase on terms and conditions mutually acceptable to the parties, consistent with the terms hereof.

Full payment will be made within one week of delivery to, and successful DMV registration of, the new mid mount aerial platform to the El Dorado Hills Fire Department Station 85 located at 1050 Wilson Boulevard, El Dorado Hills, California 95762.

RIGHT TO REJECT

The Fire Department reserves the right to reject any or all proposals.

ATTACHMENT 1

(see attached)

Request for Proposal For Quint Aerial Platform Truck

By: EDHFD
Date: November, 2012

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SECTION I

Introduction

El Dorado Hills Fire Department (EDHFD) is seeking proposals from qualified firms (Firm) for the purchase of a Quint Aerial Mid Mount Platform Truck.

General

This apparatus shall be a four (4) door custom chassis, and shall conform to the requirements of the National Fire Protection Association Pamphlet No. 1901 current Edition.

The apparatus shall be of the latest type, carefully designed in accordance with the best fire apparatus practices, workmanship of the best quality, and constructed with due consideration to the nature and distribution of the intended use and load to be sustained.

The apparatus required and covered by these specifications shall be the manufacturer's latest basic production model and shall be equipped with all standard equipment in accordance with the manufacturer's latest literature, a copy of which must accompany the proposal along with any and all specifications necessary to verify that the unit meets or exceeds each and every one of the following sections.

Provisions

EDHFD is seeking responses that are brief, relevant, clear, organized, comprehensive and tailored to this RFP. However, firms may submit proposals in their own "standard" formats. Firms whose proposals are missing relevant information may be asked, if short-listed, to provide the missing information to be considered a finalist.

1. Details: The attached specifications cover general requirements as to basic apparatus, type of construction, finish, accessories, tests, etc., to which the manufacturer must conform.
 - a) Complete plans and specifications must accompany each proposal showing dimensions and describing in detail the apparatus equipment. Manufacturer shall indicate size, type, model and make of components, parts, and equipment. Scale drawings shall show both sides, front, rear, and top views, location and size of compartments and hose beds, discharge gates, suction intakes, controls, gauges, valves, lights, overall dimensions of body, pumps and piping systems, tank, turning radius and turning clearance.
 - b) The attached specifications are considered minimal and the Firm is expected to increase them where necessary to meet the general intent.

- c) All proposals are to be quoted F.O.B., El Dorado Hills Fire Department.
 - d) EDHFD reserves the right to inspect the apparatus during any stage of construction, and as often as necessary.
 - e) The apparatus shall be designed so that the various parts are readily accessible for lubrication, inspection and maintenance.
 - f) The successful Firm shall guarantee the water tank for the life of the apparatus to EDHFD, less misuse, improper maintenance or accidents.
 - g) Firm shall include all essential terms for purchase.
 - h) Warranty - The apparatus manufacturer shall guarantee in writing to replace and install at their expense any and all parts that fail due to defective material or workmanship. The guarantee period shall be for not less than one year from date of acceptance by EDHFD. There shall be no cost to the District for freight, labor or other costs incurred in performance of warranty action.
 - i) Variances from these specifications shall be listed on a separate sheet headed "EXCEPTIONS TO FIRE APPARATUS SPECIFICATIONS." ALL EXCEPTIONS ARE SUBJECT TO APPROVAL. PROPOSALS TAKING TOTAL EXCEPTION TO SPECIFICATIONS WILL NOT BE ACCEPTED.
 - j) EDHFD reserves the right to reject any and all proposals without cause.
2. Bankruptcy: Quality and price shall be considered in combination or separately. Upon filing for any bankruptcy or insolvency proceeding by or against the manufacturer, after the award of the contract by EDHFD, whether voluntary or involuntary, or upon the appointment of a receiver, trustee, or assignee for the benefit of creditors, the Firm must notify the Fire Chief or designee immediately. Upon learning of the actions herein identified, the Fire District reserves the right to either cancel the contract or affirm the contract and to hold the Firm responsible for damages.
3. General Construction and Workmanship: The design of the apparatus must embody the latest approved automotive engineering practices. The workmanship shall be of the highest quality in the respective field. The apparatus shall be designed so that there is accessibility of the various units for servicing, lubrication, inspection and maintenance. Ease of operation (both pump operations and driving), symmetrical proportions and proper load distributions. The construction shall be very rugged and ample safety factors shall be provided to carry the loads specified to meet road and speed conditions, as set forth under road requirements.
4. Intent of Specifications: It is the intent of these specifications to cover the furnishing and delivery to the purchaser of a complete apparatus equipped as hereinafter specified. With a view to obtaining the best results and the most acceptable apparatus for service in EDHFD, these specifications cover the

general requirements as to the type of construction, together with certain details as to finish, equipment and appliances with which the successful Firm must conform. Minor details of construction and materials where not otherwise specified are left to the discretion of the Firm, who shall be solely responsible for the design and construction of all features.

Proposals will only be considered from companies which have an established reputation in the field of fire apparatus construction and have been in business for a minimum of ten years.

Each Firm shall furnish satisfactory evidence of its ability to construct the apparatus specified, and shall state the location of the factory where the apparatus is to be built. The Firm shall show they are in a position to render prompt service and to furnish replacement parts for said apparatus.

5. Firm's Specifications: Each proposal shall be accompanied by a set of "Firm's Specifications" consisting of a detailed description of the business, company history, apparatus and equipment proposed and to which the apparatus furnished under contract must conform. These specifications shall indicate size, type, model and make of all component parts and equipment.
6. Cost: Provide a cost proposal, with a Firm Not-to-Exceed price that details the cost of the apparatus, design, warranties, etc., sufficiently to meet the budget submittal requirements. Describe other fees that EDHFD can expect to incur in connection with this purchase. Use the Request for Proposal worksheet provided with this packet.
7. Timely Proposals: It is the Firm's responsibility to see that their proposals arrive on time. Late proposals, facsimiles, telegrams, or telephone proposals will not be considered.
8. Purchaser's Obligations: The purchaser reserves the right to accept or reject any or all proposals on such basis as the purchaser deemed to be in its best interest. All Firms shall be advised that the purchaser will not be bound in any manner to automatically accept the lowest proposal. The purchaser will only be obligated to purchase the lowest proposal that meets these detailed specifications as closely as possible.
9. Safety Requirements: It is expected that the Firm will meet all State and Federal safety standards and laws that are in effect on the date of the proposal for the item(s) that are being specified and the particular use for which they are meant.

10. Acquaintance with Specifications: It is the responsibility of the Firm to review all of the proposing requirements. Failure of a Firm to be acquainted with this information shall not relieve him/her from any obligations of the proposal requirements.
11. NFPA Pamphlet 1901: The National Fire Protection Association Pamphlet #1901 as amended in the February, (latest edition), is hereby used as a guide and made a part of these specifications, the same as if they were written out in full detail, insofar as they apply with the exception of the section dealing with "Equipment Recommended for Various Types of Apparatus." Firms are to provide the equipment requested herein and the buyer will supply the rest before the apparatus is put into service.
12. Elimination of Divided Responsibility: It is required that each bidder produce the chassis, aerial ladder and complete apparatus. To eliminate divided responsibility and service, the chassis, aerial ladder and body must be manufactured by the same company. Manufacturer shall state the compliance with this paragraph. NO EXCEPTIONS.
13. Quality and Workmanship: The design of the apparatus must embody the latest approved automotive engineering practices; experimental designs and methods will not be acceptable. The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points: accessibility of the various units which require periodic maintenance operations, ease of operation (including aerial, pumping and driving) and symmetrical proportions.
14. General Construction: The complete apparatus, assemblies, subassemblies, component parts and so on, shall be designed and constructed with due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to be subjected when placed in service.

All parts of the apparatus shall be strong enough to withstand the general service under full load. The apparatus shall be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair.

The apparatus shall be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between the front and rear axles, that all specified equipment, including a full complement of specified ground ladders, full water tank, loose equipment, and firefighters shall be carried without overloading or causing damage to the apparatus.

15. Liability: The chosen Firm shall defend any and all suits and assume all liability for the use of any patented process, device or article forming a part of the apparatus or any appliance furnished under contract.

16. Information Required Upon Delivery: The manufacturer must supply at the time of delivery at least two copies of a complete operation and maintenance manual covering the completed apparatus as delivered.

Parts manuals, where possible, shall be cross-referenced so as to show the actual manufacturer's name, part number and description on all outside purchased parts and fittings that are commercially available. A positive guarantee shall accompany all proposals stating that the manufacturer will make a complete stock of the proprietary parts for a minimum of twenty (20) years.

17. Design Criteria: The following additional design criteria shall be applicable to this specification to the extent specified herein:
- a) American Society for Testing and Materials (ASTM A-36)
 - b) Society of Automotive Engineers, Inc. (SAE) "SAE Handbook"
 - c) American Welding Society (AWS) AWSO 14.4-77

No major exceptions will be allowed. The following chassis, aerial ladder, pump, and body specifications shall be strictly adhered to. Minor exceptions will be allowed with the approval of EDHFD if they are equal to or superior to those specified, and provided they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS." Exception lists shall refer to the specification page number. Where no exceptions are listed, it will be assumed that the Firm will build the apparatus as specified.

PROPOSALS TAKING TOTAL EXCEPTION TO THESE SPECIFICATIONS WILL BE IMMEDIATELY REJECTED.

The buyer is aware that all Firms will have to take some exceptions; therefore, FIRMS THAT TAKE NO EXCEPTIONS WILL BE REQUIRED TO MEET EVERY PARAGRAPH TO THE FULLEST EXTENT SHOULD THEIR PROPOSAL BE ACCEPTED. It is the intent of the purchaser to receive proposals that do not require telephone calls or other communications to ascertain what a Firm is intending to supply.

Upon final inspection at manufacturer's facility, the apparatus will be inspected against THESE specifications and not those supplied by the Firm with their proposal. Deviations will not be acceptable unless they were noted as exceptions at the time of proposal; and the apparatus will be rejected until said deviations are corrected to the satisfaction of the buyer.

Decisions regarding equal to or better than will be the sole responsibility of the recipient of the proposals rather than those companies submitting proposals.

When exceptions are not taken, but inconsistencies are noted in the submitted detailed specifications, the proposal may be rejected.

18. Performance Tests and Requirements: A road test will be conducted with apparatus fully loaded and a continuous run of ten (10) miles or more will be made under all driving conditions, during which time the apparatus shall show no loss of power or overheating.

The apparatus, when loaded, shall have approximately sixty-six percent (66%) of its weight distributed on the rear axles.

The successful Firm shall furnish a weight certificate showing weight on the front axle, rear axles, and total weight for the completed apparatus, including a full water tank, with four (4) 200-lb. firefighters at the time of delivery. The apparatus shall meet the following requirements:

- a) The apparatus must be capable of accelerating to 35 MPH from a standing start within twenty-five (25) seconds on a level concrete highway without exceeding the maximum governed speed of the engine.
- b) The apparatus shall be able to maintain a speed of 20 MPH on any grade of 6 percent. *Note: This apparatus will routinely respond on roadways of 10 percent grades.
- c) The service brakes shall be capable of stopping the fully loaded vehicle in thirty-five (35) feet from a speed of 20 MPH on a level concrete highway.
- d) The apparatus, fully loaded, shall be capable of obtaining a speed of 50 MPH on a level concrete highway with the engine not exceeding its full load governed speed.
- e) The apparatus shall be tested and approved by Underwriters Laboratories, Inc. in accordance with their standard practices for pumping engines.
- f) The manufacturer shall furnish copies of the Pump Manufacturer's certificate of Hydrostatic Test, and the Engine Manufacturer's current Certified Brake Horsepower Curve.

19. Failure to Meet Tests: In the event the apparatus fails to meet the test requirements of these specifications on the first trials, second trials may be made at the option of the Firm within thirty (30) days of the date of the first trials.

Such trials shall be final and conclusive, and failure to comply with these requirements shall be cause for rejection. Failure to comply with changes as required to conform to any clause of the specifications within thirty (30) days after notice is given to the Firm of such changes shall be cause for rejection of the apparatus.

Permission to keep or store the apparatus in any building owned or occupied by the Department during the specified period with the permission of the Firm shall not constitute acceptance.

Proposals must be submitted in the same sequence as these specifications for ease of checking compliance to same. An exception to this will not be tolerated.

20. Liquidated Damages: All times stated shall be in calendar days and are of the essence; and should the delivery not be completed on or before the time stipulated, it is mutually agreed and understood by EDHFD and the successful Firm that a reduction in the unit price of Two Hundred and Fifty Dollars (\$250.00) per calendar day for each and every day the unit exceeds the delivery time set forth in these specifications is the nearest measure of damages for such delay that can be fixed at this time. Therefore, the successful Firm and the Department hereby establish said reduction in the unit price of Two Hundred and Fifty Dollars (\$250.00) per calendar day for each day of delay as liquidated damages and not as a penalty or forfeiture for the breach of agreement to complete delivery by the successful Firm on or before the time specified in these specifications. If the need should arise, an extension of the time period may be agreed upon by the Department and the successful Firm. Shall there be insufficient time to grant such an extension prior to the completion date of the contract, the Department may at the time of acceptance of work waive liquidated damages which have accrued for failure to complete on time.

A qualified field engineer, a regular employee of the manufacturer, shall deliver the apparatus and remain with EDHFD personnel for a reasonable period of time to completely familiarize the personnel with the operation, maintenance and care of the apparatus. This shall be at no expense to the purchaser.

The purchaser shall have the right to inspect the apparatus at all times during its construction and his approval or disapproval of engineering design and workmanship shall be binding upon the Firm.

The Department reserves the right to reject any and all proposals not conforming to the specifications. Any changes, omissions, variations in specifications or conditions of proposing may be considered sufficient cause for rejection.

21. Delivery of Completed Apparatus: Completed apparatus shall be delivered within sixty (60) days of awarding of contract.
22. Pre-Construction Conference: The purchaser and Firm will participate in construction conference to review and discuss construction details. The conference will normally be held at the Firm's place of business. In addition, the Chief of EDHFD shall have the right, personally, or to designate any Department representative to inspect the equipment, prior to the paint being applied, post paint, and final inspection. The construction conference and final inspection trip shall be by three (3) EDHFD representatives. The firm will be

responsible for the cost of food, lodging, and transportation costs for three (3) Department personnel.

23. Warranty: The Firm shall submit with the quote a warranty as follows:

This is to certify that we, _____ (Name of Firm),
located at _____ (Address)
warrant this apparatus manufactured by us, as proposed to you, to be free from
defects in materials and workmanship under normal use and service. At no cost
to EDHFD, apparatus and equipment furnished shall be guaranteed as follows:

Part A

All guarantees outlined under items "A" and "B" shall begin from the date the
apparatus is placed in active service by EDHFD. Warranty repairs must be
completed in a reasonable time which is acceptable to EDHFD.

Warranty Performance includes the following:

- a) The manufacturer shall be required to provide service within three (3) working days after notification by telephone.
- b) If the manufacturer does not acknowledge after three (3) working days, it will be assumed as approval for EDHFD to repair the vehicle or obtain warranty repairs from an outside vendor repair facility.
- c) The vehicle manufacturer shall furnish the necessary documentation to enable EDHFD to determine warranty with OEM, if the vehicle manufacturer fails to follow the dictates of this contract.
- d) Defective parts will be labeled and retained by EDHFD until parts are replaced. Vehicle manufacturer shall take full responsibility for returning any defective parts to his supplier.
- e) Outside vendor repair facility parts and labor billing to be directly to the vehicle manufacturer.
- f) Manufacturer shall maintain a service facility within one hundred (100) miles of EDHFD.
- g) All materials and components used in the construction of the vehicle shall be new. Used or reconditioned material or components will not be acceptable.
- h) All identifying numbers on any component shall be original manufacturer's number.

Part B

The warranty includes the following:

- a) A minimum of five (5) years unconditional warranty guaranteed against failure due to faulty design, materials, workmanship and mounting on the following:
 - i. All parts of the apparatus, except frame, body supports, miscellaneous components, unless otherwise specified
 - ii. Miscellaneous components, unless otherwise specified

- iii. All stainless steel handrails and trim
- iv. Main fire pump
- v. Foam system
- b) A minimum of three (3) years unconditional on the following:
 - i. Engine cooling system
 - ii. Engine warranty
- c) A minimum ten (10) year unconditional warranty on the following:
 - i. All tanks, including fuel tank, excluding the water tank
 - ii. Body supports
- d) A lifetime unconditional warranty on the frame. Frame shall be guaranteed against failure due to workmanship, buckling, sagging, twisting, and cracking.
- e) A lifetime unconditional warranty on the water tank.
- f) A minimum of twenty (20) year unconditional warranty on structural defects of the aerial ladder and its components.
- g) A minimum of twenty (2) year unconditional warranty on mechanical defects of the aerial ladder

24. General Liability Insurance: Manufacturer shall provide proof of current product liability insurance at a minimum of One Million Dollars (\$1,000,000.00).

25. Evaluation Criteria: EDHFD will use the following evaluation criteria to select several Firms for interview:

1. Clarity/Suitability: Clarity of the Firm's proposal and ability of proposed system to meet EDHFD's objectives.
2. Project Team: Qualifications, education, and experience of the Firm and key team members in the designing and constructing similar apparatus.
3. Cost: Total and net installed costs before and after all applicable subsidies.
4. Warranty: Effectiveness of the standard and extended warranty, the coverage term and details of covered items to meet EDHFD's expectations.
5. Other: Additional criteria deemed by EDHFD to be relevant selection.

Award of Contract: All proposals submitted shall be good for a minimum period of ninety (90) days during which time proposal securities submitted with the proposals will be held by the purchaser during this time. After the evaluation and award process is complete, all Firms will be notified of the results.

Complete proposal package to include:

- a) Accurate line drawing of apparatus, right and left sides, top, front and rear.
- b) Certificate of current product liability insurance.
- c) List of any items that vary from specified.

- d) Cover letter of equipment supplied and description of completed apparatus.
- e) Proposal pricing sheet.
- f) Proposal bond.
- g) Manufacturer to include their detailed description of the proposed vehicle.
- h) Location of warranty service center.
- i) If the warranty center is operated by a second party, enclose a copy of the agreement.
- j) A list of major items that will need to be repaired at the factory and not at a local service center.

The complete proposal package should be forwarded to the following address no later than 3:00 p.m. on December 5, 2012. Questions regarding your response to this request should be directed to John Niehues. Please address your proposals to:

El Dorado Hills Fire Department
Attn: Proposals
1050 Wilson Blvd.
El Dorado Hills, CA 95762

The respondent is solely responsible for the costs incurred in preparing its response. EDHFD will provide no compensation for such costs. EDHFD reserves the right to reject any or all responses for any reason, to withhold consideration of incomplete responses, to waive informalities or minor irregularities, or request additional information of the responders at its discretion and reserves the right to terminate the solicitation and/or evaluation process at any time.

Acceptance of a proposal or other materials during the selection process does not constitute a contract and does not obligate EDHFD to award funds. Funding is subject to final contract approval by EDHFD's Board of Directors. EDHFD reserves the right to install a system of different size than was proposed by your Firm, to reject any or all responses without penalty, and to act in EDHFD's best interests as required.

26. Testing and Special Provisions: In addition to complying with the following applicable provisions listed in the latest edition of the National Fire Protection Association, Pamphlet 1901:

- a) "Provisions applying to apparatus equipped with a fire pump."
- b) "Provisions applying to fire apparatus with a hose body."
- c) "Provisions applying to fire apparatus with a water tank."
- d) "Provisions applying to apparatus equipped with and aerial ladder and aerial waterway."

- e) "Acceptance tests and requirements."

In all cases, the detailed fire apparatus specifications and detailed fire apparatus chassis specifications shall govern construction.

The apparatus shall conform to all rules and regulations of the U.S. Department of Transportation and the State of California Motor Vehicle Code.

The following requirements shall be complied with by all Firms and failure to do so may be cause for proposal rejection:

Literature from the pump manufacturer, including pump performance curve, shall be included with all proposals.

The following items shall be delivered with the completed apparatus:

- a) Operator Manual Two (2) Each
 - i. Engine chassis and cab furnished
 - ii. Diesel engine furnished
 - iii. Transmission furnished
 - iv. ABS Brake System furnished
- b) Parts Manual Two (2) Each
 - i. Engine Chassis and cab furnished
 - ii. Diesel Engine furnished
 - iii. Transmission furnished
 - iv. ABS Brake System furnished
 - v. Truck body furnished
- c) Shop Repair Manuals Two (2) each
 - i. Electrical layout specifications
 - ii. Engine, chassis and cab furnished
 - iii. Diesel engine furnished
 - iv. Transmission furnished
 - v. ABS brake system furnished
 - vi. Body furnished
- d) Two Aerial Operations and Maintenance Manuals
- e) Two (2) detailed lubrication charts
- f) Two (2) detailed wiring diagrams
- g) Two (2) service manuals (shop grade)

* **Important:** Ten percent (10%) of payment will be withheld until all publications are received by EDHFD.

27. Method of Delivery: Method of delivery shall be subject to the approval of the Department. Any costs for delivery shall be submitted for approval with the proposal. Delivery shall be to Station 85 at 1050 Wilson Boulevard, El Dorado Hills, California 95762.

A competent delivery engineer shall accompany the apparatus at the time of delivery and shall instruct Fire Department personnel in the proper operation and maintenance of the apparatus.

The delivery engineer shall be a full-time employee of the company manufacturing the apparatus.

28. Replacement Parts: Each Firm shall state and list those parts of the proposed apparatus which are exclusively manufactured by him, and which are not available through regular manufacturing and retail outlets. A positive guarantee shall accompany all proposals stating that the manufacturer will make a complete stock of the proprietary parts for a minimum of twenty (20) years.
29. Service Facility: It will be required that the successful Firm maintains a full-service repair facility within one hundred (100) miles of EDHFD. This facility shall be staffed by competent personnel trained in all maintenance aspects of fire service apparatus and shall be capable of handling all repairs. The service facility shall maintain a complete inventory of repair and/or replacement parts.

All Firms shall provide details of their service capabilities in the categories listed below:

Service Facility Location: _____
Service Facility Manager: _____
Service Facility Phone Number: _____
24/7/365 Service Phone Number: _____
Service Facility Website: _____
Number of Service Bays: _____
Number of Mobile Service Vehicles (desirable): _____
Number of Factory-Trained Service Technicians: _____
Service Facility Hours of Operation: _____
Service Facility Parts Inventory (in Dollars): _____

The local service center shall be available for inspection prior to award of the contract.

30. Pump Acceptance Test: The pump test shall be conducted without the use of the auxiliary cooler with an ambient temperature of greater than ninety (90) degrees. Copies of the main pump and auxiliary pump performance curves, ratings, and acceptance test results shall be submitted at the final.
31. Training: The successful Firm will provide training to EDHFD staff members on all aspects of the Apparatus. This training will be conducted at no further cost to EDHFD.

REQUEST FOR PROPOSAL WORKSHEET

This is not an order.

Date: _____

**El Dorado Hills Fire Department
Battalion Chief John Niehues
1050 Wilson Blvd.
El Dorado Hills, CA 95762**

**Return your proposal in a sealed envelope to:
El Dorado Hills Fire Department
Attn: Proposals
1050 Wilson Blvd.
El Dorado Hills, CA 95762**

Proposals will not be accepted after 3:00PM on: _____, 2012

Please quote your best price to provide the El Dorado Hills Fire Department a Aerial Platform Quint:

**Aerial Platform Quint
Loose equipment
Sales Tax**

\$ _____

\$ _____

\$ _____

TOTAL

\$ _____

The undersigned offers and agrees to furnish the above apparatus and equipment at the prices and terms stated.

Firm Name:

Signature:

Printed Name:

Address:

Date/Phone Number:

Days to delivery after award:

REFERENCES

1. Name of Reference: _____
Address of Reference: _____

Phone Number: _____
Point of Contact: _____
Years of Business With Reference: _____

2. Name of Reference: _____
Address of Reference: _____

Phone Number: _____
Point of Contact: _____
Years of Business With Reference: _____

3. Name of Reference: _____
Address of Reference: _____

Phone Number: _____
Point of Contact: _____
Years of Business With Reference: _____

4. Name of Reference: _____
Address of Reference: _____

Phone Number: _____
Point of Contact: _____
Years of Business With Reference: _____

5. Name of Reference: _____
Address of Reference: _____

Phone Number: _____
Point of Contact: _____
Years of Business With Reference: _____

INTRODUCTION

The Fire Department fleet serves a critical role in El Dorado Hills Fire Department's essential emergency service. A mechanically reliable fleet of apparatus and staff vehicles are imperative to getting our staff to the location of the emergency and to efficiently operate on scene. To effectively cover and protect the El Dorado Hills community, EDHFD has 1 quint (Truck 85), 9 engines, 2 JPA ambulances, 1 air unit and 1 water tender. (Refer to Appendix 2 and 3 for a summarized explanation of fire apparatus and staff vehicles.)

By following NFPA's guidelines and researching local Fire Department replacement policies, this replacement guide was created to give a description and a life expectancy for all El Dorado Hills Fire Department apparatus. This purpose of this assessment is to investigate and develop the most appropriate replacement parameters for the 2000 Spartan Quint known as Truck 85. Early research and planning is a key element of the fire apparatus purchase process as it can take up to two years to design, specify and build.

RESEARCH FINDINGS

Research on different publications like the NFPA Fire Protection Handbook, NFPA 1901 Standard for Automotive Fire Apparatus and Fire Apparatus Purchasing Handbook (Fire Engineering) resulted in no set standard for replacement or studies. One factor for the absence of these studies is that the life expectancy of a fire apparatus has many variables and regional differences. Other variables such as weather, road conditions, run loads, and maintenance are reasons for the unavailability of any clear-cut information in this area. The life expectancy of a fire apparatus is broken into two periods: front line and reserve. Front line service life is the number of years the apparatus would be a primary unit to respond to calls. Reserve service life comes after a unit has completed its front line service years and is still reliable enough to play a secondary role. The apparatus is kept as a reserve unit which can be utilized for various reasons ranging from being a "stand-in" for an out-of-service front line apparatus to being a secondary response unit for Volunteer Firefighter Personnel.

Replacement guides and policies from neighboring Fire Districts (Folsom Fire, Sacramento Metropolitan Fire, Cosumnes Fire, Roseville Fire, etc.) produced similar information that was recommended by NFPA as guidelines. These policies or replacement guides were all based on years of service and/or mileage. Additionally, they also included the statement or clause that would allow for earlier replacement or a longer use life based on maintenance and reliability.

Cosumnes Fire's guide cited the need to keep up with technology for Firefighter safety and to better perform the overall mission of the District:

"Suppression and other specialized large apparatus are placed into reserve status based on a number of conditions. Mileage is a significant factor. The Fleet Maintenance Division will begin comprehensive inspections every 6 months or 25,000 miles, whichever comes first, once the apparatus reaches 100,000 miles.

Factors to be considered in determining service life are:

- *Total Years of Service* – Typically a piece of apparatus will be near the end of its service life after 15 years.
- *Wear and Tear* – The vehicle must have a professional and functional appearance and operate safely.
- *General Safety Feature Upgrades* – There may be safety feature upgrades over the service life of an apparatus that require the District to consider replacement to improve employee safety or major NFPA standard changes that create a significant liability for the organization.

Due to the economic downturn as of July 2010, Roseville Fire went from operating under 10 years front line and 3 to 5 years reserve to 13 years front line and 3 years reserve for all engines,

trucks and tractor drawn aerials (TDA). Folsom Fire has 10 years front line for engines and 12 years for trucks. although, it is important to note that they consider a quint as an engine using the guide of 10 years front line and 5 years reserve (refer to Appendix 2). To summarize, the local Fire District's replacement guides use 10 to 15 years front line and 3 to 5 years reserve.

An NFPA guideline is that "no apparatus should be kept longer than 25 years based on uncertain reliability." NFPA further states the following, "In general, a 10 to 15 year life expectancy is considered normal for first line engines. First line trucks should have a normal life expectancy of at least 15 years." These requirements are based on truck companies not on quints. Truck or truck companies do not have a pump, tank or hose and are used primarily for structure fires and rescues. Quints are aerial ladder trucks with a pump, water tank and hose and are typically used on all incidents. Truck companies will routinely only respond on about one third of the calls an engine or quint would.

Based on the information found, EDHFD must maintain reliable, safe apparatus, provide up-to-date safety for personnel, comply with new national standards and keep maintenance costs from exceeding the value of the apparatus. EDHFD classifies the truck in the same category as an engine because of its equipment and capabilities; therefore, the replacement guide for engine companies is also used for Truck 85 (refer to Appendix 2).