



Department of Administrative Services
Purchasing and Contracts Division

**CONFIRMATION FORM
for
RECEIPT OF BID NO. 603201-13**

If you are interested in this invitation, immediately upon receipt please fax this confirmation form to the fax number provided at the bottom of this page.

Failure to do so means you are not interested in the project and do not want any associated addenda mailed to you.

SUPPLIER ACKNOWLEDGES RECEIVING THE FOLLOWING BID DOCUMENT:

PROJECT NO. BID NO. 603201-13 BID PAGES: 54

DESCRIPTION: CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK

SUPPLIER MUST COMPLETE THE FOLLOWING INFORMATION:

Company Name: _____

Company Address: _____

City / State / Zip: _____

Name / Title: _____

Area Code/Phone Number: _____

Area Code/Fax Number: _____

Email Address: _____

Please indicate the method you used to obtain this Bid Document:

_____ Internet _____ Plan Room

**FAX THIS CONFIRMATION FORM TO: (702) 386-4914
TYPE or PRINT CLEARLY**

CLARK COUNTY, NEVADA

INVITATION TO BID

BID NO. 603201-13

CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK

The bid package is available as follows:

- Internet – Visit the Clark County Purchasing and Contracts Division website at <http://www.ClarkCountyNV.gov/Purchasing>. Click on “Current Opportunities” and locate Document No. 603201-13 in the list of current solicitations.
- Mail – Please fax a request to (702) 386-4914 specifying project number and description. Be sure to include company address, phone and fax numbers.
- Pick up - Clark County Government Center, 500 South Grand Central Parkway, Purchasing and Contracts Division, Fourth Floor, Las Vegas, NV 89106.

A Pre-bid Conference will be held on **JANUARY 7, 2014** at **9:00 a.m.**, at the Clark County Government Center, 500 South Grand Central Parkway, Purchasing and Contracts Division, Fourth Floor, Las Vegas, Nevada 89106. If your firm is unfamiliar with the County Bid Submittal procedures and would like to obtain training on the submittal process for this Bid, please contact Sandra Mendoza-Avila, Purchasing Analyst, at (702) 455-4184 no later than **MONDAY, JANUARY 6, 2014** and a training session will be provided immediately following the pre-bid conference referenced above.

Bids will be accepted at the Clark County Government Center address specified above, on or before **JANUARY 14, 2014** at **3:00:00 p.m.** based on the time clock at the Clark County Purchasing and Contracts front desk.

PLEASE PUBLISH THE INFORMATION PROVIDED ABOVE THE LINE.

PUBLISHED:
Las Vegas Review-Journal
DECEMBER 24, 2013

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I – INSTRUCTION TO BIDDERS

BID NO. 603201-13 CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK

1. INTENT OF INVITATION

In accordance with the terms and conditions provided in this bid document, it is the intent of this formal Invitation to Bid to receive bids from qualified Bidders for the items specified in this document.

2. DEFINITIONS

- A. **Addendum:** A written document issued by COUNTY, via the Purchasing and Contracts Division, prior to the submission of bids which modifies or clarifies the Bidding Documents by additions, deletions, clarifications, or corrections.
- B. **BCC:** The Clark County Board of County Commissioners.
- C. **Bid (Bidder):** An offer, in response to a solicitation by COUNTY, to supply goods or services at a specific price and within a specified time period.
- D. **Bid (COUNTY):** A competitive solicitation by COUNTY to procure goods or services in accordance with Nevada Revised Statutes (NRS) 332.
- E. **Bid Form:** Standard printed form given to Bidders that must be completed and submitted back to COUNTY with the required information for evaluation of the bid, in correct format and sequence. Bid pages are identified herein as "Bid Form" and contain a black line in the right margin.
- F. **Bid Submittal:** Bid Form pages, Bid Security (if required), and all required attachments.
- G. **Bidder(s):** A supplier who submits a bid to COUNTY.
- H. **Bidding Documents:** May include but are not limited to, the Invitation to Bid, Instructions to Bidders, General Conditions, Special Conditions, Technical Specifications, Contract Requirements and Forms, Bid Forms/Attachments, Exhibits, Specifications/Special Provisions and Drawings, and any Addenda issued prior to the date designated for receipt of bids, as applicable.
- I. **CONTRACT:** Contract documents include the Bidding Documents, SUCCESSFUL BIDDER'S Bid Form, all Addenda, SUCCESSFUL BIDDER'S bonds and insurance and Notice of Award letter.
- J. **COUNTY:** The term used throughout these documents to mean County of Clark, Nevada.
- K. **F.O.B. Destination:** Designates the seller will pay shipping cost and remain responsible for the goods until the buyer takes possession.
- L. **Governing Body:** Used throughout these documents to mean the Clark County Board of Commissioners.
- M. **Nevada Revised Statutes (NRS):** The current codified laws of the State of Nevada. Nevada law consists of the Constitution of Nevada (the state constitution) and Nevada Revised Statutes. The Nevada Supreme Court interprets the law and constitution of Nevada.
- N. **No Substitute:** Means there is only one brand name product that is acceptable to perform the function required by the using department.
- O. **Purchasing Administrator:** The Clark County Purchasing Administrator or their designee responsible for the Purchasing and Contracts Division.
- P. **Purchase Order:** The formal authorization by COUNTY for seller to provide goods or services to COUNTY. The formal CONTRACT takes precedence over any conflicting terms and conditions contained in the purchase order.

- Q. **Rural:** Clark County has towns outside of the urban valley which include, but are not limited to: Laughlin, Moapa Valley, Sandy Valley, and Indian Springs.
- R. **SUCCESSFUL BIDDER:** Bidder who is the lowest responsive, responsible or best Bidder, to whom the Governing Body or the authorized representative has authorized the award of the CONTRACT.

3. DESIGNATED CONTACTS

For questions pertaining to this Invitation to Bid, please call Sandra Mendoza-Avila, Purchasing Analyst, telephone number (702) 455-4184 or the Purchasing and Contracts Front Desk at (702) 455-2897. After award, the designated contact will be Riccardo Terzo, Fire Auto & Equipment Supervisor, Fire Department, telephone number (702) 455-7700.

4. CONTACT WITH COUNTY DURING BIDDING PROCESS

Communication between a Bidder and a member of the BCC, or between a Bidder and a non-designated COUNTY contact, regarding this bid is prohibited from the time the bid is advertised until the bid is recommended for award of a contract. Questions pertaining to this Invitation to Bid shall be addressed to the designated contact(s) specified above. Failure of a Bidder, or any of its representatives, to comply with this paragraph may result in its bid being rejected.

5. PREBID CONFERENCE

A pre-bid conference is being held for this bid. The intent of the pre-bid conference is to review the entire bid document and answer any questions Bidders may have.

6. ADDENDA AND INTERPRETATIONS

- A. If it becomes necessary to revise any part of this bid, a written Addendum will be issued by COUNTY. COUNTY shall not be bound by any oral representations, clarifications, or changes made in the written requirements or specifications by COUNTY'S employees, unless such clarification or change is provided by COUNTY in written addendum form from the Purchasing and Contracts Division.
- B. Bidder(s) shall take no advantage of any apparent error or omission in the Bidding Documents. In the event Bidder(s) discover such an error or omission, they shall immediately notify COUNTY. COUNTY will then make such corrections and interpretations as may be deemed necessary for fulfilling the intent of the Bidding Documents through the issuance of an Addendum.
- C. Addenda shall be available via mail, certified mail, fax, online or pick up by all prospective Bidders.
- D. Prior to submission of the bid, Bidder shall ascertain that it has received all Addenda issued. Bidder shall acknowledge receipt of each Addendum by completing the acknowledgement space provided on the Bid Form. Failure to acknowledge receipt of all addenda and use the correct bid form as required may result in rejection of bid.

7. DOCUMENT REVIEW

Bidders may visit the Purchasing and Contracts Division, during normal business hours, to review any current bid documents. This information is available for review provided the contents of the document have not been deemed confidential or proprietary as defined in the "Public Records" clause in the General Conditions section of this bid. Bids submitted in response to this invitation to bid may be reviewed after the formal bid opening has been completed. To review bid documents, an appointment must be made in advance to ensure that full consideration will be provided. Please call telephone number (702) 455-2897 and request the Purchasing Front Desk to schedule your appointment.

8. PREPARATION OF FORMS

All bids must be submitted on the Bid Form provided in this document. **All figures must be written in ink or typed.** Figures written in pencil or containing erasures are not acceptable and may be rejected. However, mistakes may be crossed out and corrections may be inserted adjacent thereto and initialed in ink by the person signing the bid form.

In the event there are unit price bid items provided in the Bid Form, and the total indicated for a unit price bid item does not equal the product of the unit price and quantity, the unit price shall govern and the total will be corrected accordingly. Mathematical errors in the Bid shall be corrected by COUNTY. If there is no cost for a unit price, the Bidder **MUST** enter "0" or write the words "NO COST."

9. BID DOCUMENTS NECESSARY FOR SUBMITTAL

Bid Form, all required attachments, and the bid security (if required) shall be included in the envelope containing the bid. These documents, together, comprise a bid. Omission of, or failure to complete, any portion of the required documents at the time of bid opening may be cause to reject the entire bid.

10. SUBCONTRACTOR INFORMATION

Bidders should submit with their bids a list of the Minority-Owned Business Enterprise (MBE), Women-Owned Business Enterprise (WBE), Physically-Challenged Business Enterprise (PBE), Small Business Enterprise (SBE) and Nevada Business Enterprise (NBE) subcontractors for CONTRACT utilizing **Attachment 1**. The information provided in **Attachment 1** by Bidder is for COUNTY'S information only.

If there are any questions regarding **Attachment 1**, please contact Adleen Stidhum at telephone number (702) 455-7155.

11. DESCRIPTIVE LITERATURE

Bidder may be requested to provide the latest printed specifications and advertising literature on the product(s) offered on its Bid Form.

12. PRODUCTS

New Product:

SUCCESSFUL BIDDER shall guarantee that the product provided to COUNTY shall be new, and of the latest and most improved model of current production, and shall be of first quality as to workmanship and materials used in said units.

A new product is defined as a product that is made up completely of unused, genuine, original parts. The product shall not have been operated for any purpose other than routine operational testing. A demonstrator product does not meet this definition and is not acceptable.

13. BRAND NAMES "OR EQUAL"

Whenever, in this Invitation to Bid, any particular materials, process, or equipment are indicated or specified by patent, proprietary or brand name, or by name of manufacturer, such wording will be deemed to be used for the purpose of facilitating description of the material, process, or equipment desired and will be deemed to be followed by the words, "or equal." Proof satisfactory to COUNTY must be provided by SUCCESSFUL BIDDER to show that the alternative product is, in fact, equal to the product required in the specifications.

14. SUBSTITUTIONS

Specifications are intended to show kind and quality required, and are not intended to be restrictive. **Additional bids that are equal to, or exceed the requirements stated in this document are invited.** Bidders desiring to submit more than one bid for items other than those specified shall observe the following procedure:

Submit with the bid complete manufacturer's brochures of the actual items being offered, including pictures or dimensional drawings.

Proof, satisfactory to COUNTY, must be provided by Bidder to show that the product is equal to, or exceeds the bid specifications in design and performance.

Equivalent items may be subject to performance testing.

15. ORDER QUANTITIES AND UNIT PRICING

Unit pricing for the items listed in this bid shall be reflective of the unit of measure of "each." This bid expressly prohibits "minimum order quantity" practices. All invoices shall reflect the pricing for the exact quantities received.

16. DISCOUNT TERMS OF PAYMENT

Terms of payment, as listed on the Bid Form, shall be defined as the amount of discount offered by Bidder to COUNTY if payment is made within a specified time frame.

Examples:

Terms of Payment: 2%, Net thirty (30) Calendar Days.

A 2% payment discount will be deducted from the purchase price if the invoice is paid within thirty (30) calendar days of receipt of invoice or delivery of an acceptable product or service, whichever is later.

Terms of Payment: 0%, Net thirty (30) Calendar Days.

No payment discount is offered and payment is due within thirty (30) calendar days of receipt of invoice or delivery of an acceptable product or service, whichever is later.

No prompt payment discount will be considered by COUNTY in the bid evaluation process unless the discount period offered by Bidder is thirty (30) calendar days or more.

17. ADDITIONAL BIDS

Bidders may submit more than one bid as long as all such bids comply with, or exceed, the bid terms, conditions and specifications.

18. DEVIATIONS TO TERMS AND CONDITIONS OR SPECIFICATIONS

Any additional agreements, terms, conditions, or exceptions to the bid requirements or specifications that are submitted with Bidder's Bid Form may be considered substantial deviations from the bid requirements and be cause for rejection.

19. DURATION OF OFFER

All offers (bids) submitted in association with this Invitation to Bid shall be considered firm offers for a period of ninety (90) calendar days after the date of bid opening in order to allow COUNTY to evaluate and consider award, unless the offer is further extended in writing and agreed upon by both parties.

20. DEVIATIONS TO TECHNICAL SPECIFICATIONS

Any deviation taken at the time of or after bid submittal may render the bid non-responsive. If a Bidder is unable to meet the Technical Specifications, Bidder **MUST** complete the attached **Exhibit A** and submit it to the Purchasing Analyst at least five (5) business days prior to the scheduled **PRE-BID CONFERENCE**. It shall be the sole responsibility of the Bidder to ensure that the Purchasing Analyst has been properly notified, **PRIOR TO THE PRE-BID CONFERENCE** of the Bidder's deviation to the Technical Specifications.

21. BIDDER'S REPRESENTATION

Each Bidder by submitting their Bid represents that:

- A. Bidder has read and understands the Bidding Documents and asserts that its bid is made in accordance therewith and shall be considered a firm offer for a period of ninety (90) calendar days following the opening of bids. The Bidder's offer may expire at the end of the ninety (90) calendar day period.
- B. Bidder has visited the project site and is familiar with the local conditions under which the work is to be performed.
- C. **Prior to submission of the bid, Bidder shall ascertain that it has received all Addenda issued; Bidder shall acknowledge receipt of each Addendum by completing the acknowledgment space provided on the Bid Form. Failure to acknowledge receipt of all addenda and use the correct bid form as required may result in rejection of bid.**

22. SUBMISSION OF BIDS

All bids must be submitted in a sealed envelope plainly marked with the name and address of Bidder and the bid number and title. Bidders are requested to submit one (1) original and one (1) copy of the Bid Form and one (1) copy of all requested attachments unless otherwise specified. No responsibility will attach to COUNTY, or any official or employee thereof, for the pre-opening of, post opening of, or the failure to open a bid not properly addressed and identified. Bids are time-stamped upon receipt. Bids time-stamped after 3:00:00 p.m. based on the time clock at the Clark County Purchasing and Contracts front desk will be recorded as late, remain unopened and be formally rejected. **FAXED OR ELECTRONICALLY SUBMITTED BIDS ARE NOT ALLOWED AND WILL NOT BE CONSIDERED.**

The following are detailed delivery/mailling instructions for bids:

HAND DELIVERY

U.S. MAIL DELIVERY

EXPRESS DELIVERY

Clark County Government Center
Purchasing and Contracts Division,
4th Floor
500 South Grand Central Parkway
Las Vegas, Nevada 89106

Clark County Government Center
Attn: Purchasing and Contracts, 4th
Floor
500 South Grand Central Parkway
P.O. Box 551217
Las Vegas, Nevada 89155-1217

Clark County Government Center
Attn: Purchasing and Contracts, 4th
Floor
500 South Grand Central Parkway
Las Vegas, Nevada 89106

Regardless of the method used for delivery, Bidder shall be wholly responsible for the timely delivery of its bid. Overnight Mail must use the EXPRESS DELIVERY instructions.

Any bids submitted via a third party courier must be sealed in a separate envelope from courier's packaging to allow for proper recording of receipt.

Bidders and other interested parties are invited to attend the bid opening.

23. COST TO PREPARE AND SUBMIT RESPONSE

All costs incurred in the preparation and submission of responses to this Invitation to Bid shall be the responsibility of the Bidder.

24. WITHDRAWAL OF BID

A. Before Bid Opening

Bidders may request withdrawal of a posted, sealed bid prior to the scheduled bid opening time, provided the request for withdrawal is submitted to the Purchasing Analyst in writing, or a bid release form has been properly completed and submitted to the Purchasing and Contracts Division reception desk. Withdrawn bids must be re-submitted and time-stamped in accordance with this bid document in order to be accepted.

B. After the Bid Opening

All responsive and responsible bids received are considered firm offers for a period of ninety (90) calendar days. Bidder's offer will expire after ninety (90) calendar days unless the offer is further extended in writing by Bidder and agreed upon by both parties. If Bidder intended for award requests that its bid be withdrawn, that Bidder may be deemed non-responsible if responding to future invitations to bid or may be required to forfeit its bid bond (if applicable).

25. LOWEST RESPONSIVE AND RESPONSIBLE BIDDER

All bids will be awarded to the lowest responsive and responsible Bidder. The determination of the lowest responsive and responsible Bidder may be judged on all or some of the following factors: price, conformity to specifications, facilities and equipment, availability of repair parts, experience, terms of payment, qualifications, past performance, performance or delivery dates, quality and utility of services, supplies, materials or equipment offered and the adaptability of those services, supplies, materials or equipment to the required purpose of CONTRACT, and other objective and accountable factors which are reasonable. COUNTY has the option to accept additional promotional specials, discounts or trade-in allowances offered by SUCCESSFUL BIDDER during the term of CONTRACT but these offers will not be part of the determination for award of this bid unless otherwise specified.

In accordance with NRS 332.065.3, COUNTY may re-award CONTRACT if SUCCESSFUL BIDDER is found to be in breach of contract. Re-awarding the CONTRACT by COUNTY is not a waiver of any liability of the initial Bidder awarded CONTRACT.

26. REJECTION OF BID

COUNTY reserves the right to reject any and all bids received by reason of this request. COUNTY reserves the right to waive any minor informality or irregularity.

27. DISQUALIFICATION OF BIDDERS

Bidders may be disqualified and their bids may be rejected for any of, but not limited to, the following causes:

- A. Failure to use the specified Bid Form furnished by COUNTY.
- B. Lack of signature by an authorized representative.
- C. Failure to properly complete the Bid Form.
- D. Evidence of collusion among Bidders.
- E. Unauthorized alteration to content of the Bid Form.
- F. Failure to acknowledge all addenda issued.

28. TIE-BIDS

A tie-bid is defined as an instance where bids are received from two (2) or more Bidders who are the low Bidders, and their offers are identical. Bids must be identical in all evaluation areas; e.g., price, quality, delivery, terms, and ability to supply, etc. If any of these areas are not identical, it is not considered a tie-bid, and COUNTY can justify awarding to Bidder with the lowest responsive and responsible bid.

The procedure for tie-bids is to hold a public drawing and award the bid to the winner of the draw in accordance with the Method of Award clause in the Instruction to Bidders. When a drawing is necessary, Bidder(s) involved will be contacted with the time and place of the drawing. Attendance is not mandatory for the drawing. An impartial witness will be present at the drawing.

29. NOTIFICATION OF INTENT TO AWARD

COUNTY will issue to all Bidders a formal letter of "Notification of Intent to Award." This notice will confirm COUNTY'S determination of the lowest responsive and responsible Bidder.

30. PROTESTS

- A. Any Bidder who submits a bid and is allegedly aggrieved in connection with this solicitation or award of CONTRACT may protest. The letter of protest must, at a minimum, contain a written statement setting forth with specificity the reasons the person filing the notice believes that the applicable provisions of the law were violated and be accompanied by required bond. The protest must be submitted in writing to the Purchasing Analyst, within five (5) business days after COUNTY issued a "Notification of Intent to Award" letter. If a written protest is received within the time frame specified and is not resolved by mutual agreement, the Purchasing Analyst will issue a decision in writing to the protestor. Within three (3) business days of receipt of the decision, a protestor MUST submit to the Purchasing Administrator its written notice of intent to appeal the decision to the BCC. The Purchasing Administrator or their designee will notify the protestor of the date they may appear to present their appeal to the BCC. Protestor MUST submit to the Purchasing Administrator fifteen (15) copies of any documents protestor intends to present to the BCC and all documents MUST be submitted ten (10) calendar days prior to the BCC meeting. The decision of the BCC will be final. The BCC is not required to consider protests unless this procedure is followed.
- B. Bidder filing the protest shall be required, to post a bond with a good and solvent surety authorized to do business in this state, or submit other security, defined as a cashiers check, money order or certified check, to COUNTY who shall hold the bond or other security until a determination is made on the protest. A bond posted or other security submitted with the protest must be in an amount equal to the lesser of:
 - (1) 25% of the total value of the bid submitted by Bidder filing the notice of protest; or
 - (2) \$250,000
- C. The notice of protest filed in accordance with the provisions of this section operates as a stay of action in relation to the awarding of CONTRACT until the BCC makes a determination on the protest.
- D. A Bidder who submits an unsuccessful bid may not seek any type of judicial intervention until the BCC has made a determination on the protest and awards CONTRACT.
- E. Neither the BCC nor its authorized representative is liable for any costs, expenses, attorney's fees, loss of income or other damages sustained by a Bidder who submits a bid, whether or not the person files the protest pursuant to this section.
- F. If the protest is upheld by the BCC, the bond posted or other security submitted with the notice of protest must be returned to Bidder who posted the bond or submitted the security. If the protest is rejected by the BCC, COUNTY may make a claim against the bond or other security in an equal amount to the expenses incurred by COUNTY because of the unsuccessful protest. Any money remaining after the claim has been satisfied must be returned to the person who posted the bond or submitted the security.

31. METHOD OF AWARD

Award will be made to the lowest responsive and responsible Bidder grand total contingent upon the submission of all requested documents after award within the timelines specified, unless an extension is approved by the Owner. Bidders must bid on all items to be considered responsive.

32. LETTER OF AWARD

Award of this bid will be by "Letter of Award" issued by the Purchasing Analyst. CONTRACT shall include this Bid Document, any associated Addendums, and the Bid Form as signed by SUCCESSFUL BIDDER.

33. INITIAL TERM

This is a one time purchase.

34. STATE OF NEVADA LEGAL HOLIDAYS

SUCCESSFUL BIDDER is advised that below there are ten (10) firm legal holidays and eleven (11) when December 31st falls on Friday.

Martin Luther King's Birthday
Presidents' Day
Memorial Day
Independence Day
Labor Day
Nevada Admission Day
Veteran's Day
Thanksgiving Day and the Friday After

Christmas Day
New Year's Day

SUCCESSFUL BIDDER is required to verify dates with COUNTY'S representative prior to the commencement of work.

II -GENERAL CONDITIONS

BID NO. 603201-13

CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK

1. ASSIGNMENT OF CONTRACTUAL RIGHTS

SUCCESSFUL BIDDER will not assign, transfer, convey or otherwise dispose of CONTRACT or its right, title, or interest in, or to the same, or any part thereof, without previous written consent of COUNTY and any sureties.

2. AUDITS

The performance of CONTRACT by SUCCESSFUL BIDDER is subject to review by COUNTY to insure CONTRACT compliance. SUCCESSFUL BIDDER agrees to provide COUNTY any and all information requested that relates to the performance of CONTRACT. All requests for information will be in writing to SUCCESSFUL BIDDER. Time is of the essence during the audit process. Failure to provide the information requested within the timeline provided in the written information request may be considered a material breach of contract and be cause for suspension or termination of CONTRACT.

3. AUTHORITY

COUNTY is bound only by COUNTY agents acting within the actual scope of their authority. COUNTY is not bound by actions of one who has apparent authority to act for COUNTY. The acts of COUNTY agents which exceed their contracting authority do not bind COUNTY.

4. BIDS ARE NOT TO CONTAIN CONFIDENTIAL / PROPRIETARY INFORMATION

Bids must contain sufficient information to be evaluated without reference to any confidential or proprietary information. In accordance with NRS 239.010, Bidders shall not include any information in their bid that they would not want to be released to the public. Any bid submitted that is marked "Confidential" or "Proprietary," or that contains materials so marked, may be returned to Bidder and may not be considered for award.

5. CLARK COUNTY'S PROPERTY

All property owned by COUNTY and furnished to SUCCESSFUL BIDDER for the purpose of performance under this Bid will be identified and marked as COUNTY'S property and adequately insured by SUCCESSFUL BIDDER for COUNTY'S protection. In the event that COUNTY'S property becomes lost or damaged to any extent while in SUCCESSFUL BIDDER'S possession from any cause, including faulty workmanship or negligent acts by SUCCESSFUL BIDDER, its agents or its employees, SUCCESSFUL BIDDER agrees to replace such property or reimburse COUNTY for the value or expense of replacement, whichever is greater, in accordance with COUNTY request.

6. COLLECTION AND PAYMENT OF SALES TAX

In accordance with NRS 372.123, any Bidder that sells tangible personal property to any commercial business in the State of Nevada is required to possess a Nevada Sales Tax Permit and shall collect and pay the taxes as defined in NRS Chapters 372 and 374. Permit information can be obtained by contacting the Nevada State Department of Taxation at (702) 486-2300.

7. COLLUSION AND ADVANCE DISCLOSURES

Pursuant to NRS 332.820 evidence of agreement or collusion among Bidders and prospective Bidders acting to illegally restrain freedom of competition by agreement to bid a fixed price, or otherwise, shall render the bids of such Bidders void.

Advance disclosures of any information to any particular Bidder which gives that particular Bidder any advantage over any other interested Bidders, in advance of the bid opening, whether in response to advertising or an informal request for bids, made or permitted by a member of the governing body or an employee or representative thereof, shall operate to void all bids received in response to that particular request for bids.

8. CONSUMPTION ESTIMATES

The quantities appearing in the Bid Form are approximate only and are prepared for the solicitation of bids. Payment to SUCCESSFUL BIDDER will be made only for the actual quantities of items furnished in accordance with the bid and it is understood that the scheduled quantities of items to be furnished may be increased, decreased or omitted without, in any way, invalidating bid prices.

9. CONTRACT AMENDMENTS

Notwithstanding any provision herein to the contrary, and pursuant to NRS 104.2306, and recognizing the constraints inherent in public bidding, COUNTY reserves the right to request modification at any time to the scope, frequency, estimated quantities or the timing of SUCCESSFUL BIDDER'S obligations under CONTRACT, in whatever manner COUNTY determines, in good faith, to be reasonably necessary and to be in the best interests of the public. Both parties agree that, should any modifications to CONTRACT be made during CONTRACT term, a written amendment detailing those elements shall be executed by SUCCESSFUL BIDDER and the BCC or their authorized representative.

10. DISCLOSURE OF OWNERSHIP / PRINCIPALS

Any Bidder recommended for award of CONTRACT by the Board of County Commissioners is required to provide the information on the attached "Disclosure of Ownership/Principals" form. The form shall be submitted to COUNTY within twenty-four (24) hours after request. Failure to fill out the subject form by Bidders shall be cause for rejection of the bid.

11. DRUG-FREE WORKPLACE

SUCCESSFUL BIDDER agrees to comply with all applicable state and federal laws regarding a drug-free workplace. SUCCESSFUL BIDDER shall make a good faith effort to ensure that all of its employees, while working on COUNTY property, will not purchase, use, be under the influence of, or possess illegal drugs or alcohol or abuse prescription drugs in any way.

12. EMPLOYMENT OF UNAUTHORIZED ALIENS

In accordance with the Immigration Reform and Control Act of 1986, SUCCESSFUL BIDDER agrees that it will not employ unauthorized aliens in the performance of CONTRACT.

13. FEDERAL, STATE, LOCAL LAWS

All Bidders shall comply with all Federal, State and local laws relative to conducting business in Clark County. The laws of the State of Nevada will govern as to the interpretation, validity, and effect of this bid, its award, and any contract entered into.

14. FISCAL FUNDING OUT

COUNTY reasonably believes that funds can be obtained sufficiently to make all payments during the term of CONTRACT. If COUNTY does not allocate funds to continue the purchase of the product or service, in accordance with NRS 354.626, CONTRACT shall be terminated when appropriated funds expire.

15. FORCE MAJEURE

SUCCESSFUL BIDDER shall be excused from performance hereunder during the time and to the extent that it is prevented from obtaining, delivering, or performing, by acts of God, fire, war, loss or shortage of transportation facilities, lockout or commandeering of raw materials, products, plants or facilities by the government. SUCCESSFUL BIDDER shall provide COUNTY satisfactory evidence that non performance is due to cause other than fault or negligence on its part.

16. GOVERNING LAW/VENUE OF ACTION [GOODS, SERVICES]

CONTRACT shall be construed and enforced in accordance with the laws of the State of Nevada. Any action at law or other judicial proceeding for the enforcement of any provision shall be instituted in the County of Clark, State of Nevada.

17. GOVERNING ORDER OF BIDDING AND CONTRACT DOCUMENTS

The bidding and CONTRACT documents include various divisions, sections, and conditions which are essential parts for the work to be provided by SUCCESSFUL BIDDER. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for complete work. In case of discrepancy, the following precedence will govern:

- A. Amendment
- B. General Conditions
- C. Addenda
- D. Instructions to Bidders
- E. Federal Requirements (If Applicable)
- F. Special Conditions
- G. Technical Specifications

18. INDEMNITY

SUCCESSFUL BIDDER agrees, by entering into CONTRACT, regardless of the coverage provided by any insurance policy, to pay all costs necessary to indemnify, defend, and hold COUNTY harmless from any and all claims, demands, actions, attorney's fees, costs, and expenses based upon or arising out of any acts, errors, omissions, fault or negligence of SUCCESSFUL BIDDER or its principals, employees, subcontractors or other agents while performing services under CONTRACT. SUCCESSFUL BIDDER shall indemnify, defend, and hold harmless COUNTY for any attorney's fees or other costs of defense, even if the allegations of the claim are groundless, false or fraudulent.

19. INVOICING

Invoicing for bid items are to be sent to the location as identified in the purchase order(s). Invoices are to be sent within ninety (90) calendar days of the delivery of the product or completion of the work. Invoices for payment not submitted within this time period will not be considered for payment. Payment of invoices will be made within thirty (30) calendar days, unless otherwise specified, after receipt of an accurate invoice that has been reviewed and approved by the applicable department's authorized representative. In accordance with NRS 244.250 COUNTY shall not provide payment on any invoice SUCCESSFUL BIDDER submits after six (6) months from the date SUCCESSFUL BIDDER provides goods, performs services, or provides deliverables or milestones.

All invoices should include the following information:

- A. Company Name
- B. Complete Address (including street, city, state, and zip code)
- C. Telephone Number
- D. Contact Person
- E. Itemized description of products delivered (including quantities) or services rendered (including dates)
- F. Clark County Purchase Order Number
- G. Company's Tax Identification Number
- H. Bid Number
- I. Itemized pricing and total amount due (excluding Sales and Use Tax)
- J. Percentage Discounts/ Payment Terms (if offered)
- K. Company's Invoice Number
- L. Clark County Work Order Number(s)

SUCCESSFUL BIDDER is responsible to insure that all invoices submitted for payment are in strict accordance with the price(s) offered on the Bid Form. If overcharges are found, COUNTY may declare SUCCESSFUL BIDDER in breach of contract, terminate CONTRACT, and designate SUCCESSFUL BIDDER as non-responsible if responding to future invitations to bid.

20. INVOICE AUDITS

SUCCESSFUL BIDDER shall provide to COUNTY, within ten (10) business days of COUNTY'S request, a report to validate that the price(s) charged are in accordance with the price(s) offered on SUCCESSFUL BIDDER'S Bid Form. The format of the report will depend on the pricing structure provided on the Bid Form. The report shall be subject to review and approval by COUNTY'S using department(s) and Internal Audit Department. Discrepancies found in the report will require SUCCESSFUL BIDDER to update the report no later than five (5) business days after notification by COUNTY. In the event that SUCCESSFUL BIDDER undercharged COUNTY, COUNTY shall reimburse SUCCESSFUL BIDDER within ten (10) business days. In the event that SUCCESSFUL BIDDER overcharged COUNTY, SUCCESSFUL BIDDER shall reimburse COUNTY within ten (10) business days. If overcharges are found, COUNTY may declare SUCCESSFUL BIDDER in breach of contract, terminate CONTRACT, and designate SUCCESSFUL BIDDER as non-responsible if responding to future invitations to bid.

21. NON-DISCRIMINATION

The BCC is committed to promoting full and equal business opportunity for all persons doing business in Clark County. SUCCESSFUL BIDDER acknowledges that COUNTY has an obligation to ensure that public funds are not used to subsidize private discrimination. SUCCESSFUL BIDDER recognizes that if they or their subcontractors are found guilty by an appropriate authority of refusing to hire or do business with an individual or company due to reasons of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability, national origin,

or any other protected status, COUNTY may declare SUCCESSFUL BIDDER in breach of contract, terminate CONTRACT, and designate SUCCESSFUL BIDDER as non-responsible.

22. NON-ENDORSEMENT

As a result of the selection of SUCCESSFUL BIDDER to supply goods or services, COUNTY is neither endorsing nor suggesting that SUCCESSFUL BIDDER'S service is the best or only solution. SUCCESSFUL BIDDER agrees to make no reference to COUNTY in any literature, promotional material, brochures, sales presentations, or the like, without the express written consent of COUNTY.

23. OUT OF STATE SUPPLIERS

Out of state suppliers shall accept collect calls or provide a toll free telephone number for the placement of orders.

24. PARTIAL PAYMENTS

Partial payment requests will be accepted only at the sole discretion of COUNTY.

25. PATENT INDEMNITY

A. SUCCESSFUL BIDDER hereby indemnifies and shall defend and hold harmless COUNTY, its officers, employees, agents, its officers, and employees, respectively, from and against all claims, losses, costs, damages, and expenses, including attorney's fees, incurred by COUNTY, respectively, as a result of or in connection with any claims or actions based upon infringement or alleged infringement of any patent and arising out of the use of the equipment or materials furnished under CONTRACT by SUCCESSFUL BIDDER, or out of the processes or actions employed by, or on behalf of SUCCESSFUL BIDDER in connection with the performance of CONTRACT. SUCCESSFUL BIDDER shall, at its sole expense, promptly defend against any such claim or action unless directed otherwise by COUNTY; provided that COUNTY or its construction manager shall have notified SUCCESSFUL BIDDER upon becoming aware of such claims or actions, and provided further that SUCCESSFUL BIDDER'S aforementioned obligations shall not apply to equipment, materials, or processes furnished or specified by COUNTY.

B. SUCCESSFUL BIDDER shall have the right, in order to avoid such claims or actions, to substitute at its expense non infringing equipment, materials, or processes, or to modify such infringing equipment, materials and processes so they become non infringing, or obtain the necessary licenses to use the infringing equipment, material or processes, provided that such substituted and modified equipment, materials and processes shall meet all the requirements and be subject to all the provisions of CONTRACT.

26. PUBLIC RECORDS

COUNTY is a public agency as defined by state law, and as such, is subject to the Nevada Public Records Law (Chapter 239 of the Nevada Revised Statutes). Under the law, all of COUNTY'S records are public records (unless otherwise declared by law to be confidential) and are subject to inspection and copying by any person. All bid documents are available for review following the bid opening.

27. PURCHASE ORDERS

The Purchasing and Contracts Division will issue a purchase order(s) which will authorize SUCCESSFUL BIDDER to deliver and invoice for the product(s) or service(s) offered.

28. RIGHT OF INSPECTION AND REJECTION

All goods and services purchased under this bid will be subject to inspections, tests and approval/acceptance by COUNTY. It is acknowledged that many of the goods contained in closed packages may not be inspected until such time as they are used, and that the inspections and rejection rights will continue until those packages are opened and inspected, notwithstanding prior payment. If specifications or warranties are not met, material and equipment will be returned at SUCCESSFUL BIDDER'S expense. Nonconforming goods may be returned to SUCCESSFUL BIDDER freight collect at which time risk of loss will pass to SUCCESSFUL BIDDER upon COUNTY'S delivery to common carrier or retrieved by SUCCESSFUL BIDDER at which time risk of loss will pass to SUCCESSFUL BIDDER at time of retrieval.

29. SEVERABILITY

If any terms or provisions of CONTRACT shall be found to be illegal or unenforceable, then such term or provision shall be deemed stricken and the remaining portions of CONTRACT shall remain in full force and effect.

30. SUBCONTRACTS

Services specified in CONTRACT shall not be subcontracted by SUCCESSFUL BIDDER, without the written approval of COUNTY. Approval by COUNTY of SUCCESSFUL BIDDER'S request to subcontract or acceptance of or payment for subcontracted work by COUNTY shall not in any way relieve SUCCESSFUL BIDDER of responsibility for the professional and technical accuracy and adequacy of the services performed. SUCCESSFUL BIDDER shall be and remain liable for all damages to COUNTY caused by negligent performance or non-performance of services performed under CONTRACT by SUCCESSFUL BIDDER'S subcontractor.

31. SUBCONTRACTOR / INDEPENDENT CONTRACTOR

SUCCESSFUL BIDDER represents that it is fully experienced and properly qualified to perform the class of work provided for herein, and that it is properly licensed, equipped, organized and financed to perform such work. SUCCESSFUL BIDDER shall act as an independent SUCCESSFUL BIDDER and not as the agent of COUNTY in performing CONTRACT. SUCCESSFUL BIDDER shall maintain complete control over its employees and all of its Subcontractors. Nothing contained in CONTRACT or any subcontract awarded by SUCCESSFUL BIDDER shall create any contractual relationship between any such Subcontractor and COUNTY. SUCCESSFUL BIDDER shall perform all work in accordance with its own methods subject to compliance with CONTRACT.

32. SUSPENSION BY THE COUNTY FOR CONVENIENCE

- A. COUNTY may, without cause, order SUCCESSFUL BIDDER in writing to suspend, delay or interrupt the work in whole or in part for such period of time as COUNTY may determine.
- B. In the event COUNTY suspends performance of SUCCESSFUL BIDDER for an aggregate period in excess of sixty (60) calendar days, SUCCESSFUL BIDDER shall be entitled to an equitable adjustment of the compensation payable to SUCCESSFUL BIDDER under this Bid to reimburse SUCCESSFUL BIDDER for additional costs occasioned as a result of such suspension of performance by COUNTY. Equitable adjustment shall be based on appropriated funds and approval by COUNTY.
- C. No equitable adjustment will be made if performance is, was or would have been so suspended, delayed or interrupted by another cause for which SUCCESSFUL BIDDER is responsible.

33. TAXES

COUNTY is a political subdivision of the State of Nevada and under the provisions of Nevada Revised Statute (NRS) 372.325 is exempt from the payment of Sales and Use Tax (Employee Identification Number 88-6000028). A copy of the tax exempt letter is available upon request. The bid price(s) must be net, exclusive of these taxes.

34. TERMINATION FOR CAUSE

If SUCCESSFUL BIDDER fails to perform in accordance with the agreed terms, conditions, or warranties applicable to CONTRACT, COUNTY may **immediately** terminate all or part of CONTRACT upon written notice of intent to terminate without any liability by COUNTY to SUCCESSFUL BIDDER. In the event of termination for cause, COUNTY may cancel any delivery or service and purchase the product or service elsewhere on such terms or in such manner as COUNTY may deem appropriate and SUCCESSFUL BIDDER shall be liable to COUNTY for any excess cost or other expenses incurred by COUNTY.

35. TERMINATION FOR CONVENIENCE

COUNTY reserves the right to terminate CONTRACT in whole or part at any time whenever COUNTY shall determine that such a termination is in the best interest of COUNTY without penalty or recourse upon thirty (30) calendar days written notice of intent to terminate. In the event that COUNTY elects to terminate CONTRACT, the termination request will be submitted to the BCC or the Clark County Administrative Services Department for approval.

36. TITLE AND RISK OF LOSS

The title and risk of loss of material or service shall not pass to COUNTY until material is delivered to the specific location, quantities are verified, and the material is inspected for damage or service is completed as specified.

37. USE BY OTHER GOVERNMENT ENTITIES

Nevada Revised Statutes 332.195 allows local governments to join or use the contracts of other local governments or the State of Nevada, with the authorization of contracting Supplier.

38. WARRANTY

SUCCESSFUL BIDDER warrants that the goods and services covered under this bid will conform to applicable specifications, instructions, drawings, data and samples, will be merchantable and of good material and workmanship, free from defects and will be fit and sufficient for the purposes intended. SUCCESSFUL BIDDER shall guarantee all workmanship, materials, and equipment they have furnished for a period of one (1) year after the final acceptance of the equipment or materials or for the length of the current manufacturer's warranty, whichever is longer. If during the guarantee period, any defect or faulty materials are found, it shall immediately, upon notification by COUNTY, proceed at its own expense to replace and repair same, together with any damage to all finishes, fixtures, equipment, and furnishings that may be damaged as a result of this defective equipment or workmanship. Acceptance or receipt of payment for goods or services shall not constitute a waiver of any warranty.

III - SPECIAL CONDITIONS

**BID NO. 603201-13
CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK**

Name of Firm

1. SERVICE AND INSPECTION INSTRUCTIONS - COMPLETION OF CONTRACT

Prior to delivery, the product shall be completely inspected and serviced by the delivering dealer or the manufacturer's pre-delivery service center. A copy of the manufacturer's standard pre-delivery service check list shall be completed for the product, signed by a representative of the organization performing the inspection/service and delivered with the product.

The product may be inspected at time of delivery, by an authorized representative of COUNTY, for workmanship, appearance, proper functioning of all equipment and systems, and conformance to all other requirements of this specification. In the event deficiencies are detected, the product will be rejected to make the necessary repairs, adjustments or replacements. Payment or the commencement of a discount period (if applicable) will not be made until the corrective action is made the product is re-inspected and accepted. If the product is accepted at delivery and later rejected because of deficiencies, it shall be the dealer's responsibility to pick up the product, make the necessary corrections and redeliver the product for re-inspection and acceptance at no additional cost to COUNTY.

2. DEALER'S REPORT OF SALE - COMPLETION OF CONTRACT

Dealer's Report of Sale shall be addressed to:

Clark County Automotive
4424 West Tropicana Ave.
Las Vegas, NV 89103

3. TITLE FEES

The SUCCESSFUL BIDDER shall pay all title fees.

4. MANUALS AND LISTS

Three copies of all applicable shop manuals, repair manuals, and parts lists shall be submitted to COUNTY at the time of delivery.

5. NOTICE OF DELIVERY(AUTOMOTIVE ONLY)

COUNTY shall be given twenty-four (24) hours notice prior to delivery in order to establish a time, date and location. Notify Riccardo Terzo of Fire Department, at (702) 455-7700. At the time of delivery SUCCESSFUL BIDDER shall provide the necessary documents and keys, as specified on the attachment, as per type of truck(s) being delivered. If the required documents and keys are not available at the time of delivery the truck(s) **will not be accepted.**

DOCUMENTS AND KEYS REQUIRED AT DELIVERY

VEHICLE TYPE	DEALERS REPORT OF SALE IN-STATE	OR	CERTIFICATE OF ORIGIN OUT OF STATE	ODOMETER STATEMENT	PURCHASE ORDER (COPY)	INVOICE	KEYS (PER BID)	MANUAL (PER BID)
HEAVY DUTY TRUCKS NOT TO EXCEED 12,000 LBS. LICENSED	X	OR	X	X	X	X	X	X
HEAVY DUTY TRUCKS AND EQUIPMENT IN EXCESS OF 12,000 LBS. LICENSED	X	OR	X	X	X	X	X	X

NOTE: Vehicles without the indicated documents and keys will not be accepted.

6. FUEL

Truck(s) shall be delivered with a full tank of fuel.

7. MILEAGE

Truck(s) shall be delivered with less than 2500 miles on the odometer.

8. KEYS

There shall be three sets of keys for all locking compartments or vandal covers provided at the time of delivery.

9. COMPONENT INSTALLATION

All components supplied shall be factory or dealer installed and shall be as advertised in current published literature unless otherwise stated (**Literature shall be provided upon request**).

10. DEALER'S NAMEPLATES AND DECALS

All truck(s) shall be delivered free of dealer nameplates, license plate holders or advertisement decals.

11. ORDER CONFIRMATION

SUCCESSFUL BIDDER shall provide, within ten (10) business days of receipt of purchase order, a confirmation from the manufacturer showing the vehicles have been ordered. The confirmation may be provided via facsimile to:

Clark County Purchasing Department
Attn: Sandra Mendoza-Avila, Purchasing Analyst
Fax: (702) 386-4914

12. MANUALS

There shall be one part, one repair, and three operator manuals; or a PC friendly CD manual provided for each truck at time of delivery.

13. LOCATION AND HOURS

Deliveries shall be made to the 4424 West Tropicana Ave. Las Vegas, NV 89103, Monday through Friday (excluding COUNTY'S holidays), between the hours of 7:00 a.m. – 3:00 p.m.

14. MAXIMUM DELIVERY TIME

Maximum delivery time is 180 calendar day(s). Failure to offer a delivery time within the maximum number of days specified may be considered a substantial deviation and be cause for rejection. Time is of the essence and failure to meet the delivery time specified shall constitute a breach of contract and may result in termination of CONTRACT.

15. OUT OF AREA DELIVERY REQUIREMENTS

If the successful Bidder is located outside of the Las Vegas Valley, it is required to have an Authorized Dealer located in the Las Vegas Valley who will act as its representative. All vehicles will be delivered to this local Authorized Dealer Representative and not directly to Clark County. This local Authorized Dealer Representative will be responsible for the Pre-delivery inspection (PDI), all dealer prep, delivery, and any necessary documentation and paperwork, including State of Nevada VIN inspection.

16. F.O.B. DESTINATION - FREIGHT PRE-PAID

SUCCESSFUL BIDDER shall pay all freight charges. SUCCESSFUL BIDDER shall file all claims and bears all responsibility for the products from the point of origin to COUNTY'S destination. All prices shall be F.O.B. the delivery points as required. All prices shall include delivery, as well as any necessary unloading.

17. PARTIAL SHIPMENTS

Partial shipments will not be permitted.

18. TRAINING

Training, in the form of orientation, shall be provided to COUNTY'S personnel by a qualified factory representative or the SUCCESSFUL BIDDER'S personnel, in the proper operation techniques, including care and maintenance of the product. This training shall take place at 4424 West Tropicana Ave. Las Vegas, NV 89103, at the SUCCESSFUL BIDDER'S expense.

19. FAILURE TO DELIVER

In the event that SUCCESSFUL BIDDER fails to deliver the product or service in accordance with the terms and conditions of CONTRACT, COUNTY shall have the option to either terminate CONTRACT or temporarily procure the product or service from another supplier. If the product or service is procured from another supplier, SUCCESSFUL BIDDER shall pay to COUNTY any difference between the bid price and the price paid to the other supplier.

20. DAMAGED OR DEFECTIVE PRODUCTS

SUCCESSFUL BIDDER shall replace, at no cost to COUNTY, damaged or defective products within 5 (five) business day(s) after notice. This shall include freight and any and all other associated costs. Failure to do so will cause such products to be procured from another supplier. If the product is procured from another supplier, SUCCESSFUL BIDDER shall pay COUNTY any difference between the bid price and the price paid to the other supplier.

21. DRAWINGS

Prior to construction, the successful bidder will provide three approval drawings of the apparatus for the fire department's review. The drawings will show such items as the chassis being utilized, lights, horns, sirens, pump panels, paint/graphics and all compartment locations and dimensions. The blueprint will be a visual interpretation of the unit as it is to be constructed. The buying authority will sign all drawings. One print will be retained by the Fire Department, the dealer will retain one print, and one print, will be returned to the manufacturer.

22. NFPA 1901 COMPLIANT CURRENT STANDARD:

The apparatus shall be designed so that the operator could perform all recommended daily maintenance checks easily without the need for hand tools. Apparatus components that interfere with repair or removal of other major components must be attached with fasteners (cap, screws, nuts, etc.) so that the components can be removed and installed with normal hand tools. These components must not be welded or otherwise permanently secured into place.

The GAWR and GVWR of the chassis shall be adequate to carry the fully equipped apparatus including all tanks filled, the specified hose load, unequipped personnel weight, ground ladders and a miscellaneous equipment allowance per NFPA criteria. It shall be the responsibility of the purchaser to provide the contractor with the weight of equipment to be carried if it is in excess of the allowance as set forth by NFPA.

The unequipped personnel weight shall be calculated at 250 lbs. per person times the maximum number of persons to ride on the apparatus.

The height of the fully loaded vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit.

The front to rear weight distribution of the fully loaded vehicle shall be within the limits set by the chassis manufacturer. The front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer, under full loads and all other loading conditions.

The difference in weight on the end of each axle, from side to side, when the vehicle is fully loaded and equipped shall not exceed 7 percent.

The apparatus shall be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair.

Where special tools manufactured or designed by the contractor and are required to provide routine service on any component of the apparatus built or supplied by the contractor, such tools shall be provided with the apparatus

IV - TECHNICAL SPECIFICATIONS

BID NO. 603201-13 CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK

Name of Firm

INTENT:

It is the intent of these specifications to provide a truck that will conform to the specifications, and be suitable for continuous use by COUNTY. The truck offered shall be new, unused, the current production model and conform to the specifications provided below.

The truck shall comply with all Federal and State of Nevada Emission Control Regulations, and Safety Standards in effect at the time of delivery to COUNTY.

These specifications shall be construed as minimum requirements. Should the manufacturer's current published data or specifications exceed these, they shall be considered as minimum and be furnished by Bidder.

Any deviation taken at the time of or after bid submittal may render the bid non-responsive. If a Bidder is unable to meet the Technical Specifications, Bidder MUST complete the attached **Exhibit A** and submit it to the Purchasing Analyst at least five (5) business days prior to the scheduled **PRE-BID CONFERENCE**. It shall be the sole responsibility of the Bidder to ensure that the Purchasing Analyst has been properly notified, **PRIOR TO THE PRE-BID CONFERENCE** of the Bidder's deviation to the Technical Specifications.

It is the sole responsibility of the BIDDER to ensure that the Purchasing Analyst has been properly notified of BIDDER'S inability to meet the specification, prior to the **PRE-BID CONFERENCE**.

BIDDERS MUST RETURN THE ORIGINAL OR A PHOTOCOPY OF THIS FORM AND MAKE AN ENTRY FOR EACH SPECIFICATION IN THE SPACE PROVIDED OPPOSITE THE SPECIFICATIONS, INDICATING ANY VARIANCES IN THE SPECIFICATION. IF THERE IS NOT ENOUGH SPACE, ATTACH AN ADDITIONAL SHEET OF PAPER.

SPECIFICATION NO. 1

GENERAL DESCRIPTION: It is the intent of these specifications to describe the minimum requirements for diesel powered truck cab and chassis with 1250 gallon water tank, capable of pump-and-roll mode, Hale water pump minimum capacity of 1250gpm, 4x4 drive train.

SPECIFICATION NO. 2

A. ENGINE: CUMMINS ISL 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM With Cummins exhaust brake integral with variable geometry turbo with on/off dash switch

SPECIFICATION NO. 3

EXHAUST SYSTEM: Shall be a heavy-duty exhaust system with vertical positioned muffler, with tailpipe behind cab area with rain cap or turn-out extended above cab roof, but not to exceed 2-feet. Muffler shall be equipped with a heat deflector shield.

SPECIFICATION NO. 4

TRANSMISSION/TRANSFER CASE: Shall be an Allison Model EVS 3,000 With PTO provision and oil cooler. Meritor mtc 4210xl 2-speed transfer case with oil cooler

SPECIFICATION NO. 5

COOLING SYSTEM: To be largest capacity-cooling system available for the engine offered and shall be capable of performing in ambient temperatures in excess of 110°.

SPECIFICATION NO. 6

ENGINE PROTECTION SYSTEM: Shall be in compliance with NFPA 1901

SPECIFICATION NO. 7

STEERING: Shall be equipped power steering with adjustable tilt and telescoping steering column.

SPECIFICATION NO. 8

AIR CONDITIONING AND HEATING SYSTEM: Shall be equipped with a factory-installed air conditioning system, heating and defroster system of the largest BTU rating available from manufacturer.

SPECIFICATION NO. 9

FRONT AXLE AND SUSPENSION: Shall be a minimum 16,000 pound capacity with leaf type springs. 6.14 axle ratio, self locking hubs and synthetic fluid

SPECIFICATION NO. 10

REAR AXLE SUSPENSION AND SUSPENSION: Shall be a minimum 27,000 pound Fire service rated axle with 6.14 axle ratio with leaf type springs. Driver controlled traction differential with synthetic fluid.

SPECIFICATION NO. 11

BRAKES: Air brake system to include Wabco abs system, Bendix AD9 dryer, automatic slack adjusters, Emergency vehicle brake linings, Webb heavy weight brake drums,

SPECIFICATION NO. 12

FUEL TANK: Shall be aluminum and a minimum of 50 gallon capacity. To be delivered with a full tank

SPECIFICATION NO. 13

PARKING BRAKE: Shall be spring actuated piggy back type mounted with double diaphragm type chambers and supplied on both rear axles. Air brake release valve to be dash mounted convenient to operator. Parking brake shall be equipped with an extra air reservoir for brake release.

SPECIFICATION NO. 14

ELECTRICAL SYSTEM: Shall be equipped with an alternator with a minimum rating of 275 amps . There shall be a minimum of two 12-volt batteries with a minimum of 1125 cold cranking amps per battery. Remote mounted battery jump studs. A battery disconnect switch shall be installed.

SPECIFICATION NO. 15

FRAME: 7/16X3-9/16X11-1/8 INCH STEEL FRAME 120KSI
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 144.45 Shall include two front tow hooks and two rear tow hooks

SPECIFICATION NO. 16

TIRES AND WHEELS: Shall be Polished Alcoa aluminum wheels with hub pilot. Tires to be Michelin 315-80R-22.5 XZY3 model.

SPECIFICATION NO. 17

CAB PAINT: The truck cab shall be painted by the chassis manufacturer. The cab will not be re-painted by body builder. Color is yellow
N3452HN Dupont

SPECIFICATION NO. 18

CAB: Shall be manufacturer's full width, standard construction and designed. Interior of cab shall have custom interior trim package in grey color, and all manufacturer's standard cab equipment. Additional cab equipment required:

- A. Exterior grab handles
- B. Heavy-duty floor mats to cover entire floor area and to be black in color.
- C. Factory Tinted glass, all windows.
- D. Factory-installed, direct reading type gauges.
- E. Dual air horns with two floor mounted switches one per side
- F. Dual electric windshield washers & wipers.
- G. Dual electric outside West Coast rear view mirrors with spot mirrors
- H. Power windows and power locks
- I. Dash-mounted hour meter.
- J. 2 inch gauges for oil pressure, water temp, transmission temp, fuel, air pressure
- N. AM/FM/WB with and auxiliary input
- O. Interior sun visors
- P. Air restriction indicator
- Q. Two (2) 5" diameter ceiling mounted lights with a push button switch shall be provided in the cab. The lens color shall be clear and the light shall be mounted on the cab ceiling.
- R. One (1) Kussmaul model 20 amp 120 volt "auto-eject" shore power receptacle with indicator light shall be installed.
- S. Three (3) fused 20 amp, aftermarket 12 volt power leads shall be provided on the switchbox console area of cab. The lead shall end with a cigarette lighter type receptacle.
- T. Data fluid data plaque containing required information shall be mounted in the interior of cab.

SPECIFICATION NO. 19

CAB CONSOLE: A custom fabricated aluminum electrical console and enclosure shall be provided to house cab mounted electrical switching devices and equipment. The console shall have a map/notebook storage pocket at the rear of the console. The console shall be located between the driver's and the officer's seating. There shall be 2 cup holders.

SPECIFICATION NO. 20

CAB STEPS: A left and right side cab trim package shall be installed on the two door cab. The trim package shall be made of .125" aluminum diamond plate. The trim package shall incorporate a running board which shall have a non-slip surface in compliance with NFPA standards.

SPECIFICATION NO. 21

SEATS: Two 911 Brand Universal series high back with air suspension with NFPA1901compliant heat sensor. Black cloth with 3 point high visibility orange seat belts.

SPECIFICATION NO. 22

DATA PLATE: A fluid data plaque containing required information shall be provided based on the applicable components for this apparatus, meeting current NFPA Standards

SPECIFICATION NO. 23

FIRE PUMP SPECIFICATION: A Hale model RSDJ 1250 GPM single stage centrifugal pump shall be designed to be mounted on the chassis frame rails, driven by an attached gear box and a heavy duty PTO. The pump body and related parts shall be of fine grain alloy cast iron. All moving parts in contact with water shall be of high quality bronze or stainless steel.

The pump impeller shall be fine grain bronze, hand ground and individually balanced. Wrap-around labyrinth impeller clearance rings shall be bronze, easily renewable without replacing impellers or pump volute body. The pump shaft shall be heat-treated stainless steel and shall be supported by deep groove ball bearings. Both the input and output gearbox drive shafts shall be of heat-treated chrome nickel. All drive and pump gears shall be cut spur design, made from chrome nickel steel. The gearbox shall be provided with a cooler.

The RSDJ is designed to be operated in either a stationary or pump-and-roll mode.

SPECIFICATION NO. 24

MID-SHIP LEFT AND RIGHT SIDE PUMP PANELS

The mid-ship fire pump panels shall be brushed 14 gauge #304 stainless steel and installed on the right and left sides of the pump enclosure.

The panels shall be secured with stainless steel fasteners for quick and easy removal from the apparatus. The bleeder, discharge and intake, and instrument area shall be in separate and removable panels. Openings in the panels for intakes and discharges shall be smooth and free of rough edges.

SPECIFICATION NO. 25

PUMP TEST

The apparatus shall be tested and rated per the requirements of NFPA 1901 utilizing an independent third party. The apparatus shall be provided with all documentation of the independent certification at the time of delivery.

SPECIFICATION NO. 26

PUMP RATING - 1250 GPM

The pump shall be certified to meet the following performance from draft, through one (1) 20 foot length of 6 inch suction hose with a 10 foot lift at a maximum elevation of 2000 feet above sea level:

- 1250 GPM @ 150 PSI
- 1250 GPM @ 165 PSI
- 875 GPM @ 200 PSI
- 625 GPM @ 250 PSI

SPECIFICATION NO. 27

PUMP TEST LABEL

A fire pump test label shall be provided at the pump operator's position that provides the rated discharge and pressure together with the speed of the engine as determined by the certification test. The no-load governed speed of the engine as stated by the engine manufacturer shall also be provided. The label shall be provided with all information at the factory and be attached to the apparatus prior to delivery.

SPECIFICATION NO. 28PUMP SHIFT

The Hale fire pump shall be equipped with an air operated pump shift, pneumatically controlled using a power-shifting cylinder. The Hale power shift control valve shall be mounted in the cab. The fire pump-shift system shall be equipped with a means to prevent unintentional movement of the control device from its set position. The system shall include a nameplate indicating the chassis transmission shift selector position to be used for pumping and located so that it can be easily read from the driver's position. The system shall have required indicator and interlock systems shall be installed as required by Hale Pump and applicable NFPA standards.

The system shall include all required NFPA #1901 interlocks and pump shift and OK TO PUMP indicator lights in the cab and pump panel. The fire pump system shall be equipped with an interlock system shall be provided to ensure that the pump drive system components are properly engaged in the pumping mode of operation so that the pumping system can be safely operated from the pump operator's position.

The secondary braking device shall be automatically disengaged for pumping operations.

SPECIFICATION NO. 29TOTAL PRESSURE GOVERNOR

Apparatus shall be equipped with a Class1 "Total Pressure Governor" (TPG) that is connected to the Electronic Control Module (ECM) mounted on the engine. Programmable presets for RPM and Pressure settings shall be easily configurable using the TPGs straightforward menu structure. The "TPG" shall also include indication of engine RPM, system voltage, engine oil pressure and engine temperature with audible alarm output for all.

The "TPG" will operate as a pressure sensor (regulating) governor (PSG) utilizing the engines J1939 data for optimal resolution and response. The "TPG" uses the J1939 data bus for engine information, requiring no additional sensors to be installed.

SPECIFICATION NO. 30TFT INTAKE RELIEF VALVE

A TFT model A1810#40-20 pressure dump valve shall be provided and mounted on the suction side of the pump. TFT's Pressure Relief Valve operates in an adjustment range from 90 to 300 psi (6 to 21 bar) with easy to see increments of 90, 125, 150, 200, 250, and 300 psi. The pressure relief valve will be preset at the factory for 125 psi. Each pressure relief valve includes an OFF position.

SPECIFICATION NO. 31FIRE PUMP COOLING BYPASS LINE

The fire pump shall be equipped with a cooling line from the pump to the water tank. This re-circulation line shall be controlled by a pump panel control valve with nameplate label noting it as the "fire pump cooler".

SPECIFICATION NO. 32CHASSIS ENGINE HEAT EXCHANGER COOLING SYSTEM

The apparatus shall be equipped with a heat exchanger for supplementary chassis engine cooling during fire pump operations. A manually opened valve, mounted at the operator's panel, shall direct water from the fire pump to the heat exchanger that is mounted in the engine radiator cooling hose. The system shall provide cooling water from the fire pump to circulate around the engine radiator coolant without mixing or coming in direct contact with the engine coolant.

A nameplate label shall be installed on the pump panel noting "engine cooling system" with "on-off" opening directions noted.

SPECIFICATION NO. 33FIRE PUMP MASTER DRAIN

The fire pump plumbing system and fire pump shall be piped to a single pump panel mounted Class 1 master pump drain assembly. The master drain valve shall be a bronze master drain with a rubber disc seal and a handwheel control on the pump panel. The master drain shall also provide for low point drainage of the fire pump and auxiliary devices.

SPECIFICATION NO. 34LOW POINT DRAINS

The plumbing system shall be equipped with low point manually operated drain valves to allow total draining of the fire pump and piping system. These valves shall be accessible from the side of the vehicle and labeled on exact location.

SPECIFICATION NO. 35INTAKE AND DISCHARGE LINE BLEEDER VALVES

Quarter turn bleeder valves shall be installed on all gated intake lines and all discharge lines over 2" in size. Front discharges, pre-connect hose lines, and deck gun/monitor lines shall be equipped with automatic drain valves.

SPECIFICATION NO. 36PUMP AND ROLL PLUMBING SYSTEM - PTO

The PTO driven pump and roll plumbing system shall be built completely of stainless steel piping, stainless steel and/or brass fittings, and connections.

Tank connections, front discharges, and other piping shall use high-pressure flexible piping. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

Throttle control of the PTO driven auxiliary pump shall be accomplished by use of the chassis foot throttle. The PTO engage switch shall be located in the cab, within reach of the driver and the officer.

SPECIFICATION NO. 37FIRE PUMP PLUMBING SYSTEM

The fire pump plumbing system shall be built completely of stainless steel piping. No galvanized piping is used in any of the plumbing system. Victaulic couplings shall be installed to permit flexing of the plumbing system and allow for quick removal of piping or valves for service.

Tank connections, front discharges, and other piping shall use high-pressure flexible piping with a 1200 PSI burst pressure rating. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

SPECIFICATION NO. 38SURFACE FINISH OF FIRE PUMP AND PLUMBING SYSTEM

The plumbing system shall not be painted. The piping and valves shall remain natural color and the fire pump shall remain the color as shipped by the pump manufacturer.

SPECIFICATION NO. 39INTAKE AND DISCHARGE VALVES

All valves used in the plumbing installation shall be Akron quarter turn full flow type.

SPECIFICATION NO. 40

HOSE THREADS

The hose threads shall be National Standard (NST) on all base threads on the apparatus intakes and discharges, unless otherwise specified. (NST and NH are the same thread)

SPECIFICATION NO. 41

6" UNGATED INTAKE

Two 6" ungated suction intakes shall be installed, one each side of the pump module, to supply the fire pump from an external water supply. The threads shall be 6" NST male of brass, chrome plated brass, or stainless steel material.

The intake shall be provided with a removable screen.

SPECIFICATION NO. 42

RIGHT SIDE PANEL 2-1/2" GATED INTAKE

A 2-1/2" gated suction intake shall be installed on right side pump panel to supply the fire pump from an external water supply. The control valve shall be a quarter turn ball valve and shall have 2.5" NST female thread of brass, chrome plated brass, or stainless steel material.

The intake shall be provided with a removable screen and a 2-1/2" NST rocker plug with retaining cable or chain installed. The intake shall be equipped with a 3/4" quarter turn Class 1 drain and bleeder valve, controlled at the base of the pump panel.

SPECIFICATION NO. 43

LEFT SIDE PANEL 2-1/2" GATED INTAKE

A 2-1/2" gated suction intake shall be installed on left side pump panel to supply the fire pump from an external water supply. The control valve shall be a quarter turn ball valve and shall have 2.5" NST female thread of brass, chrome plated brass, or stainless steel material.

The intake shall be provided with a removable screen and a 2-1/2" NST rocker plug with retaining cable or chain installed. The intake shall be equipped with a 3/4" quarter turn Class 1 drain and bleeder valve, controlled at the base of the pump panel.

SPECIFICATION NO. 44

SIDE INTAKES

Two Task Force Tip model # AB1ST-NX will be provided for each side 6" intake.

SPECIFICATION NO. 45

5" STORZ CAP(S)

Three aluminum 5" Storz cap shall be provided . A chain attachment shall be also supplied.

SPECIFICATION NO. 46

WATER TANK TO PUMP LINE

A 3" water tank to fire pump line shall be provided with a full flow quarter turn ball valve, 4" piping, and with flex hose and stainless steel hose clamps.

The tank to pump line shall be equipped with a check valve to prevent pressurization of the water tank.

The line shall be flow tested during the fire pump testing and shall meet requirements of NFPA #1901 standards.

SPECIFICATION NO. 47

PUMP DISCHARGE DESCRIPTION

All 2.5" or larger discharge outlets shall be capable of providing the NFPA discharge capacity. Each 2.5" or larger discharge shall be controlled from the pump operator location. Each discharge will have an associated pressure gauge.

All 2.5" or larger pump panel discharges shall be equipped with an integral, 30 degree, male "droop snoot" outlet.

All discharges shall have chrome plated, vented caps with retaining chains.

SPECIFICATION NO. 48

FIRE PUMP TO WATER TANK FILL LINE

A 2" fire pump to water tank refill and pump bypass cooler line shall be provided. The valve shall be a full flow quarter turn ball valve with 2" piping and flex hose to tank.

SPECIFICATION NO. 49

FORWARD LEFT SIDE 2-1/2" DISCHARGE (#1)

A 2-1/2" discharge shall be provided at the forward left side pump panel area. The discharge shall have 2-1/2" NST male threads.

A Class 1 quarter turn 3/4" bleeder valve shall be installed.

SPECIFICATION NO. 50

REARWARD LEFT SIDE 2-1/2" DISCHARGE (#2)

A 2-1/2" discharge shall be provided at the rearward left side pump panel area. The discharge shall have 2-1/2" NST male threads.

A Class 1 quarter turn 3/4" bleeder valve shall be installed.

SPECIFICATION NO. 51

FORWARD RIGHT SIDE 2-1/2" DISCHARGE (#3)

A 2-1/2" discharge shall be provided at the forward right side pump panel area. The discharge shall have 2-1/2" NST male threads.

A Class 1 quarter turn 3/4" bleeder valve shall be installed.

SPECIFICATION NO. 52

REARWARD RIGHT SIDE 2-1/2" DISCHARGE (#4)

A 2-1/2" discharge shall be provided at the rearward right side pump panel area. The discharge shall have 2-1/2" NST male threads.

A Class 1 quarter turn 3/4" bleeder valve shall be installed.

SPECIFICATION NO. 53

CENTER RIGHT SIDE 4" DISCHARGE

A 4" discharge shall be provided at the center right side pump panel area. The discharge shall have 4" NST male threads. The 12 volt electrically driven quarter turn ball valve shall be controlled on pump panel with a electric position operator. An aluminum adapter shall be provided. Threads shall be: 5" Storz with lugs with manual locks x 4" rigid female NST.

A Class 1 quarter turn 3/4" bleeder valve shall be installed.

SPECIFICATION NO. 54

2-1/2" RIGHT REAR BODY DISCHARGE

A 2-1/2" discharge shall be provided and piped to the right rear of the body with 2-1/2" NST male threads. The plumbing shall be stainless steel with Victaulic couplings or flexible high pressure hose mounted with adequate support brackets and abrasion resistant mountings.

SPECIFICATION NO. 55

CROSSLAY DISCHARGE #1

A pre-connect hose crosslay shall be installed over pump enclosure, with quarter turn 2" diameter ball valve. The valve shall be controlled by a Class 1 twist-to-lock pull rod type control on the pump panel. The outlet shall be a 2" NPT female chicksan swivel x 1-1/2" male threads. A Class I automatic 3/4" bleeder valve shall be provided.

The crosslay hose bed shall be constructed of extruded aluminum framework with .188" smooth aluminum hose bed. The hose bed shall provide a minimum capacity of 200 feet of 1-3/4" diameter double jacket hose with hose and nozzle provided by fire department.

SPECIFICATION NO. 56

HYPALON COVER FOR CROSSLAY HOSE BED

The crosslay hosebed shall be equipped with a hypalon "black" hose bed cover with positive attachment method.

SPECIFICATION NO. 57

CROSSLAY DISCHARGE #2

A second pre-connect hose crosslay shall be installed over pump enclosure with quarter turn 2.5" diameter ball valve. The outlet shall be a 2.5" NPT female chicksan swivel x 2-1/2" male threads. A Class I automatic 3/4" bleeder valve shall be provided.

The hose bed shall provide a minimum capacity of 200 feet of 2-1/2" diameter double jacket hose with hose and nozzle provided by fire department.

SPECIFICATION NO. 58

HANNAY 200' ELECTRIC REWIND STEEL HOSE REEL

A Hannay electric rewind, painted steel booster reel will be provided. The reel capacity shall be 200' of 1" booster hose.

SPECIFICATION NO. 59

HOSE REEL ELECTRIC REWIND SWITCH

The electric rewind control shall be a weather-resistant enclosed momentary push button switch.

SPECIFICATION NO. 60

HOSE REEL FACING REAR

The hose reel will face the rear of the unit and the hose will pull from the back.

SPECIFICATION NO. 61

1" HOSE REEL DISCHARGE

A 1" discharge shall be provided and piped to the hose reel with flexible high pressure hose.

SPECIFICATION NO. 62

BOOSTER HOSE

Two (2) 100' lengths of 1" REAL TEX BRAND Booster hose shall be supplied. A minimum reel size of 12" is required.

The coupling bowl size: 1 5/16"

SPECIFICATION NO. 63

TFT 1.0" DS1024P-IP TWISTER NOZZLE WITH PISTOL GRIP

The TFT DS1024P TWISTER nozzle with pistol grip will be supplied. The nozzle has dual gallonage flow settings of two flow settings of 10 and 24 gpm @ 100 psi (37 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1" NH (25mm) swivel is standard.

SPECIFICATION NO. 64

4 WAY HOSE ROLLER

A 4 way, full length stainless steel roller assembly shall be installed to accommodate fire operations from both side of vehicle.

SPECIFICATION NO. 65

LINE PRESSURE GAUGES (PSI)

Each discharge shall have one (1) 2.5" diameter Class 1 discharge pressure gauge (0-400 PSI) shall be provided adjacent to each discharge control handle.

SPECIFICATION NO. 66

FRC AROUND THE PUMP (ATP) FOAM SYSTEM - CLASS A

Fire Research Manual Foam model MFA200-A00 around-the-pump foam system shall be installed.

SPECIFICATION NO. 67

NINE LIGHT FOAM TANK GAUGE

The Class 1 ITL-40 Tank level indicator displays foam levels accurately with super bright LED technology easily viewable from 180 degrees.

SPECIFICATION NO. 68

PUMP ENCLOSURE LIGHTS

Two (2) convenience work lights shall be provided in the pump enclosure. The control switch shall be near lights or on the pump panel.

SPECIFICATION NO. 69

PUMP PANEL LIGHTS

Pump panel lights with clear lenses shall be installed under a light hood on the pump panel. A total of four (4) lights shall be provided, two (2) each side.

SPECIFICATION NO. 70

4.5" CLASS ONE MASTER PUMP DISCHARGE AND INTAKE GAUGES

A set of 4-1/2" diameter Class 1 master gauges (discharge gauge and intake gauge 30-0-400 PSI) with engraved, color coded; metal label shall be installed on the pump instrument panel.

SPECIFICATION NO. 71

TEST TAPS FOR GAUGES

Test taps for pump intake and pump pressure shall be provided on the pump panel and be properly labeled.

SPECIFICATION NO. 72

NINE LIGHT WATER TANK GAUGE

The Class 1 ITL-40 Tank level indicator displays water levels accurately with super bright LED technology easily viewable from 180 degrees.

SPECIFICATION NO. 73

AIR HORN PUSH-BUTTON

An air horn RED push button with metal label shall be provided on the pump panel one each side of vehicle.

SPECIFICATION NO. 74

WATER TANK SPECIFICATIONS

The sides and top shall be constructed of a minimum of 1/2" black UV stabilized copolymer polypropylene. The bottom shall be constructed of a minimum of 3/4" black UV stabilized copolymer polypropylene.

The tank shall undergo extensive testing prior to installation in the truck. The process shall include an electronic spark and water fill test.

The tank shall have a combination vent and manual fill tower. The tank overflow shall be 4" diameter and shall dump behind the rear wheels to permit maximum traction. The tower shall have a hinged cover and screen.

There shall be two (2) standard tank openings; one for the tank to pump suction line and one for a tank fill line.

Baffles, both longitudinal and latitudinal shall be interlocking and welded to minimize water surge during travel. Openings in the baffles shall allow water flow during filling or pumping operations. The tank shall be mounted on hard rubber cushions to isolate the tank from road shock and vibration. The tank shall be completely removable from the apparatus body structure.

The water tank shall have an integral foam tank installed. The foam concentrate tank shall be provided with baffles if needed.

The foam concentrate tank shall be provided with a fill tower or expansion compartment having a minimum area of 12 square inches. The fill tower opening shall be protected by a completely sealed airtight cover.

The fill tower shall be equipped with a pressure/vacuum vent that enables the tank to compensate for changes in pressure or vacuum when filling or withdrawing foam concentrate from the tank. The vent shall be protected to prevent foam concentrate from escaping or directly contacting the vent at any time.

SPECIFICATION NO. 75

20 GALLON FOAM TANK

There shall be a 20 gallon foam tank supplied. The tank shall be an integral part of the water tank and shall be of polypropylene construction.

SPECIFICATION NO. 76

FOAM TANK DRAIN VALVE AND PLUG

The foam tank shall have a 1" diameter gate type drain valve and the valve shall have a plug installed.

SPECIFICATION NO. 77

1250 GALLON WATER TANK

There shall be a 1250 gallon water tank supplied. The tank shall have a 6" water overflow and the construction shall be of co-polymer polypropylene, in the shape of a "T". The exterior portion of the tank shall be left natural black finish. The exterior portion of the tank shall be left natural black finish.

SPECIFICATION NO. 78

WATER TANK DRAIN VALVE

The water tank shall have a 2" diameter drain valve, controlled under apparatus.

SPECIFICATION NO. 792.5" REAR LEFT SIDE WATER TANK FILL VALVE

The water tank shall have a 2-1/2" diameter quarter turn ball valve, controlled on left side rear of body. The inlet shall include a direct operating control handle, inlet screen, chrome plated 2-1/2" female swivel and plug and chain.

SPECIFICATION NO. 802.5" REAR RIGHT SIDE WATER TANK FILL VALVE

The water tank shall have a 2-1/2" diameter quarter turn ball valve, controlled on right side rear of body. The inlet shall include a direct operating control handle, inlet screen, chrome plated 2-1/2" female swivel and plug and chain.

SPECIFICATION NO. 81MANUALLY OPERATED SWIVELING QUICK DUMP

A Newton 10", manually operated, swiveling quick dump valve constructed of mild steel shall be provided. The dump will have a swivel that will allow water to be dumped on each side of the truck and in the rear. There will be a manually operated extension chute on the dump valve. Controls shall be located on the chute. The location shall be the center rear of the apparatus.

SPECIFICATION NO. 82TANKER BODY CONSTRUCTION

The tanker body and storage compartments shall be of all aluminum 3/16" construction and shall be built as a single body module. The complete body frame work of the apparatus shall be completely constructed of all aluminum 6061-T6 and 6063-T6 extrusions. To form the interlocking framework, these extrusions are beveled and electrically seam welded at each joint using 5356 aluminum alloy welding wire.

All body corners shall consist of an 11 x 3 1/2" hollow aluminum 6063-T6 alloy extrusion with .150" wall thickness. These extrusions shall be slotted as to allow for interlocking aluminum plate to be inserted and welded for strength and integrity.

The horizontal frame member extrusions shall consist of a 6063-T6 hollow aluminum extrusion with a 3/16" wall thickness. These extrusions shall be slotted as to allow for interlocking aluminum plate to be inserted and welded for strength and integrity.

The vertical frame member extrusions shall consist of 6063-T6 hollow aluminum extrusion with a .150" wall thickness. This extrusion shall have a specially designed 2.0" slot that shall interlock with the body subframe cross member extrusion. The extrusion slots shall be designed as to 3/16" compartment wall.

The wheel well frame extrusion shall consist of a 3/8" x 4" 6063-T6 aluminum extrusion. The extrusion shall be rolled to a radius allow the necessary travel of the rear suspension under fully loaded conditions. These extrusions shall be slotted as to allow for interlocking aluminum plate to be inserted and welded for strength and integrity. The wheel well liner shall be bolted to the wheel well extrusions utilizing only stainless steel hardware.

The sub-frame cross members shall be constructed entirely of aluminum extrusions. The main subframe cross member shall be constructed of 6061-T6 aluminum alloy and shall have two hollow sections through the center; the dimensions of the extrusion shall be 2" x 4" The outer wall thickness of the extrusion shall be 1/4" and the inner wall thickness of the extrusion shall be 3/8".

SPECIFICATION NO. 83PAINTED WHEEL WELL OUTER PANEL

The outer panel of the wheel well enclosure shall be constructed of 3/16" aluminum. This panel shall be painted to match the exterior of the apparatus. The wheel well trim will be painted.

SPECIFICATION NO. 84

REAR BODY FENDERS AND LINERS

The rear body single axle wheel well openings shall be equipped with radiused, welded aluminum fenders and bolted polyliners. The wheel well trim will be painted.

SPECIFICATION NO. 85

DUAL SCBA CYLINDER WHEEL WELL COMPARTMENT

One (1) SCBA compartment shall be provided to accommodate two (2) cylinders. Door to be painted to match unit.

Location of compartment: Drivers side wheel well

SPECIFICATION NO. 86

SCBA BRACKET

Two (2) SCBA air bottle brackets shall be mounted in the specified compartment with an NFPA compliant restraint.

Location: TBD at pre construction

SPECIFICATION NO. 87

LABEL, DIESEL FUEL ONLY

There shall be a metallic label at each fuel fill location that designates "Diesel Fuel Only" requirements. It shall be black with white or equivalent contrasting letters a minimum of .5" high.

SPECIFICATION NO. 88

ANODIZED ALUMINUM RUB RAILS

The body side rub rail assemblies shall be constructed of anodized aluminum extrusion channels.

NFPA compliant reflective material shall be attached to the entire length of the rub rail to improve side profile visibility.

SPECIFICATION NO. 89

EXTINGUISHER HOLDERS

There shall be three (3) extinguisher holders.

Location: TBD at pre construction

SPECIFICATION NO. 90

LOCK FOR ROLL UP DOORS

A key lock cylinder will be provided on the compartment doors to provide security.

SPECIFICATION NO. 91

ROLL UP DOOR CONSTRUCTION

The roll-up compartment doors shall be anodized satin finish aluminum manufactured by R-O-M Corporation.

There shall be an aluminum drip rail above each compartment door with a non-abrasive or brush type seal at the top door opening area. Drip rail shall have a seal design that prevents it from scratching the door.

The door latching system shall be a full width one piece lift bar operable by one hand, with a retainer block on each end of the lift bar. A two inch wide finger pull shall be integrated into the bottom rail extrusion for easy one hand opening and closing.

Each compartment door shall be equipped with a magnetic door light actuator and "tell-tale" door-ajar system. The unit shall be integrated in lift bar handle and the retainer block to signal open door in the cab. There shall be no mechanical switches or switches mounted on the interior compartment for compartment lights.

The five (5) exterior compartments shall be provided with roll-up compartment doors.

SPECIFICATION NO. 92

BODY COMPARTMENTS: HIGH LEFT SIDE - SINGLE

The left side of the apparatus shall have three (3) compartments, one (1) ahead of rear wheel well, one (1) over the wheel well, and one (1) aft of the rear wheel well area.

1. L1 compartment:
The L1 compartment clear door opening shall be approximately 38" wide x 58" high x 23.5" deep low
2. L2 compartment:
The L2 compartment clear door opening shall be approximately 51.5" wide x 22" high x 11" deep.
3. L3 compartment:
The L3 compartment clear door opening shall be approximately 35" wide x 58" high x 23.5" deep lower/11" deep upper.

SPECIFICATION NO. 93

BODY COMPARTMENTS: LOW RIGHT SIDE w/ LEFT REAR COMPT

The right side of the apparatus shall have two (2) compartments, one (1) ahead of rear wheel well, and one (1) aft of the rear wheel well area.

1. R1 compartment:
The R1 compartment clear door opening shall be approximately 38" wide x 22" high x 23.5" deep.
2. R2 compartment:
The R2 compartment clear door opening shall be approximately 35" wide x 58" high x 23.5" deep.

SPECIFICATION NO. 94

ADJUSTABLE SHELF FOR SIDE COMPARTMENTS

An adjustable shelf shall be provided in the specified compartments. The shelf shall be constructed of .188" thick #3003 smooth aluminum sheets and be mounted with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge (2" up), and a broken rear edge (2" down) for added strength and reinforcement.

The location shall be in: Two (2) in L1, one (1) in L3, one (1) in R1, and one (1) in the R2 compartment.

SPECIFICATION NO. 95

ADJUSTABLE SHELVING TRACKS

The compartment shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

SPECIFICATION NO. 96

500# ROLLOUT TRAY

A rollout equipment tray shall be installed. A heavy duty slide assembly shall be utilized to support a tray constructed of 3/16" aluminum, fabricated with four 3" sides and welded corners.

The location shall be: L1 compartment

SPECIFICATION NO. 97

TOOL BOARD

A swing-out tool board shall be provided on the back wall of the noted exterior compartment. The board shall be constructed of 3/16" smooth aluminum and shall be bolted to adjustable tracks.

The location shall be: L3 compartment.

SPECIFICATION NO. 98

COMPARTMENT MATTING

All horizontal surfaces in five (5) compartments shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 9/16" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The color of the Turtle Tile: BLACK

SPECIFICATION NO. 99

HOSE BED CONSTRUCTION

The hose bed shall be constructed of aluminum #6063-T6 extrusions that are 8-1/4" x 3/4". The extrusions shall be anodized to guarantee a smooth, non-abrasive finish as to ensure that no hose is damaged.

The hose bed wall shall be framed of hollow aluminum #6063-T6 extrusions that are slotted to allow interlocking aluminum 3/16" sheets. The hose bed wall shall be constructed of .188" smooth aluminum sheet that is welded into place.

SPECIFICATION NO. 100

FIVE FOLDING STEPS

Five (5) 8" folding steps of die cast aluminum shall be installed. There shall be stainless steel springs for holding the step in either the up or down position. The steps shall comply with current NFPA #1901 non-slip standards.

Three (3) front of body driver's side, two (2) front of body officer's side.

SPECIFICATION NO. 101

STEP LIGHT

A hooded step light shall be installed for each step.

SPECIFICATION NO. 102

GRAB HANDLE

Eight aluminum slip resistant grab handle, approximately 12" in length, shall be installed on the apparatus. Placement to be determined at Pre construction.

SPECIFICATION NO. 103

LEFT REAR ACCESS LADDER

The left rear top of the body shall be accessible from the ground by a bolted on railing type ladder. The ladder steps shall be constructed of non-slip aluminum extrusion welded to rails that are mounted to the body with removable brackets.

The ladder shall be approximately 10" wide, with steps spaced at 18" maximum distance. The ladder shall comply with current NFPA 1901 standards. The location shall be the driver's side rear of the apparatus.

SPECIFICATION NO. 104

STEP LIGHT

A LED step light shall be installed for each step.

SPECIFICATION NO. 105

LOW VOLTAGE ELECTRICAL SYSTEM SPECIFICATIONS

The following specifications describe the low voltage electrical system on the specified tanker fire apparatus. The electrical system shall include all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standards, the latest Federal DOT standards, and the requirements of the applicable NFPA standards.

The apparatus shall have multiplexing system, to provide diagnostic capability. The system shall have the capability of delivering multiple signals via a CAN bus, utilizing specifications set forth by SAE J1939. The electrical system shall be pre-wired for computer modem accessibility to allow service personnel to easily plug in a modem to allow remote diagnostics, troubleshooting, or program additions. The multi-plexed system shall use twisted-pair shielded wire shall be provided within the electrical system for noise reduction. For superior system integrity, the networked system shall meet the following minimum requirement components:

SPECIFICATION NO. 105 CONTINUED

Power management center
Load shedding power management
Solid-state circuitry
Switch input capability
Responsible for lighting device activation
Self-contained diagnostic indicators
Power distribution module

All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. All exposed wiring shall be run in a loom with a minimum 289 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels.

The wiring between the cab and body shall be split using Deutsche type connectors or an enclosed in a terminal junction panel area. This system will permit body removal with minimal impact on the apparatus electrical system. All connections shall be crimp-type with heat shrink tubing with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather-resistant connectors shall be provided throughout to ensure the integrity of

SPECIFICATION NO. 105 CONTINUED

Any electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. In addition, the main body junction panel shall house the automatic reset breakers and relays where required.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless they are enclosed in an electrical junction box or covered with a removable electrical panel. The wiring shall be secured in place and protected against heat, liquid contaminants and damage. Wiring shall be uniquely identified at least every two feet (2') by color coding or permanent marking with a circuit function code and identified on a reference chart or electrical wiring schematic per requirements of applicable NFPA standards.

The electrical circuits shall be provided with low voltage overcurrent protective devices. Such devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. The overcurrent protection shall be suitable for electrical equipment and shall be automatic reset type and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.

SPECIFICATION NO. 105 CONTINUED

The electrical system shall include the following:

- a) Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. A corrosion preventative compound shall be applicable to all terminal plugs located outside of the cab or body.
- b) The electrical wiring shall be harnessed or be placed in a protective loom.
- c) Heat shrink material and sealed connectors shall be used to protect exposed connections.
- d) Holes made in the roof shall be caulked with silicone. Large fender washers shall be used when fastening equipment to the underside of the cab roof.
- e) Any electrical component that is installed in an exposed area shall be mounted in a manner that will not allow moisture to accumulate in it.
- f) A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.
- g) All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.

SPECIFICATION NO. 105 CONTINUED

The warning lights shall be switched in the chassis cab with labeled switching in an accessible location. Individual rocker switches shall be provided only for warning lights provided over the minimum level of warning lights in either the stationary or moving modes. All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator. The warning light switches shall be of the rocker type. For easy nighttime operation, an integral indicator light shall be provided to indicate when the circuit is energized. All switches shall be appropriately identified as to their function.

A single warning light switch shall activate all required warning lights. This switch will allow the vehicle to respond to an emergency and "call for the right of way". When the parking brake is activated, a "blocking right of way" system shall be automatically activated per requirements of NFPA. All "clear" warning lights shall be automatically shed on actuation of parking brake.

SPECIFICATION NO. 106NFPA REQUIRED TESTING OF ELECTRICAL SYSTEM

The apparatus shall be electrical tested shall be completion of the vehicle and prior to prior to delivery. The electrical testing, certifications, and test results shall be submitted with delivery documentation per requirements of NFPA. The following minimum testing shall be completed by the apparatus manufacturer:

1. Reserve capacity test:

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test fail.

2. Alternator performance test at idle:

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

SPECIFICATION NO. 107 CONTINUED

3. Alternator performance test at full load:

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded by excessive battery discharge, as detected by the system required in NFPA Standard, or a system voltage of less than 11.7 volts dc for a 12 volt nominal system, for more than 120 seconds, shall be considered a test failure.

4. Low voltage alarm test:

Following the completion of the above tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts dc for a 12 volt nominal system shall be considered a test failure. The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.

SPECIFICATION NO. 108

NFPA REQUIRED DOCUMENTATION

The following documentation shall be provided on delivery of the apparatus:

- a. Documentation of the electrical system performance tests required above.
- b. A written load analysis, including:
 - 1. The nameplate rating of the alternator.
 - 2. The alternator rating under the conditions.
 - 3. Each specified component load.
 - 4. Individual intermittent loads.

SPECIFICATION NO. 109

DOT LIGHTING PACKAGE

The lighting on the single axle tanker body shall conform to DOT standards. LED lighting shall be used.

SPECIFICATION NO. 110

STOP/TAIL, TURN AND BACK-UP LIGHTS

The rear of the apparatus body shall be equipped with two (2) Whelen Model #600PLAST4 series LED lights. The rear "tail" & stop lights shall be red, the turn lights shall be amber with a black arrow and the back-up lights shall be clear. A total of six (6) individual lights shall be provided. Two (2) chrome housings shall be provided to contain the lights. The stop/tail lights shall be in the top position, the turn light shall be in the second position and the backup light shall be in the third position from the top. The lower position is reserved for the warning lights.

SPECIFICATION NO. 111

REAR SIGNAGE / LICENSE PLATE BRACKET WITH LED LIGHT

There shall be a LED rear license plate bracket for unit designation purposes provided.

SPECIFICATION NO. 112

PUMP PANEL AREA GROUND LIGHTS

Two (2) LED lights shall be installed under the pump panel running boards. One (1) light shall be located on the driver's side and one (1) light located on the officer's side.

SPECIFICATION NO. 113

REAR STEP GROUND LIGHTS

Two (2) LED lights shall be installed under the rear step. These lights shall automatically activate when the vehicle is in park or neutral.

SPECIFICATION NO. 114

PUMP PANEL RUNNING BOARD STEP LIGHTS

Two (2) 4" LED lights shall be installed. The lights shall be installed at the pump panel running boards, one each side.

SPECIFICATION NO. 115

SCENE LIGHTS

Four (4) Whelen model 900 LED 7"x 9" 12 volt scene lights shall be provided. The lights shall be installed on the upper side area of the body. Two lights shall be located on the driver's side and two lights located on the officer's side. Two switches labeled DRIVER'S SIDE SCENE LIGHTS and OFFICERS SIDE SCENE LIGHT'S shall be located in the cab.

SPECIFICATION NO. 116

SCENE LIGHTS

One (1) Whelen model 900 LED 7"x 9" scene light shall be provided. The light shall be installed centered on the rear of the body. A switch labeled REAR SCENE LIGHT shall be located in the cab.

SPECIFICATION NO. 117

SCENE LIGHT ACTIVATION

The rear scene lights shall activate automatically upon placing the transmission into reverse.

SPECIFICATION NO. 118

GOLIGHT 2020 SPOTLIGHT(S)

Two GoLight model 2020 spotlight with a wired remote base shall be installed on the cab roof controls to be accessible from both seats.

SPECIFICATION NO. 119

DECK LIGHTS - FLOOD

Two Pioneer Plus PFP1 model, shall be pedestal mounted model PBAPEDD Two "on-off" switches to be located on the rear of body and center console

Location shall be: top rear of unit or front of hosebed.

SPECIFICATION NO. 120

DECK LIGHT - SPOT

Unity Model #AG spot light, with a 50 watt 6" halogen bulb shall be installed with an "on-off" switch located on the light.

Location shall be: top rear of unit or front of hosebed.

SPECIFICATION NO. 121

PORTABLE LANTERN(S)

One Stream Light Fire Vulcan LED rechargeable light with mounting bracket shall be supplied and mounted in the engineer compartment.

SPECIFICATION NO. 122

BACK-UP ALARM

An automatic electric back-up alarm shall be wired to the back-up light circuit, and mounted under the rear of the apparatus body.

SPECIFICATION NO. 123

HANSCOM K REAR CAMERA SYSTEM

A Hanscom K rear camera system shall be provided on the apparatus. The rear camera system shall include a HC 703M 7.0" Color TFT LCD monitor and a HC IR270 color infrared back up camera with audio. The monitor will have 2 speakers in the rear. The camera shall be installed on the rear of the apparatus, and the monitor shall be installed in the apparatus cab within view of the driver.

SPECIFICATION NO. 124

INSTALL CUSTOMER SUPPLIED RADIO EQUIPMENT

The Fire Department supplied two way radio, antenna, speaker shall be installed on the apparatus. All necessary power wiring shall be provided and routed in a neat and orderly fashion in flexible conduit. The customer supplied speaker and microphone clip shall also be installed.

SPECIFICATION NO. 125

ROLL UP DOOR COMPARTMENT LIGHTING

One (1) vertically mounted roll-up LED compartment door light shall be installed on one side of the door opening of each compartment. The door lighting shall be manufactured by ROM and integrated into roll-up door track with light actuation upon door opening.

SPECIFICATION NO. 126

HAZARD WARNING LIGHT

A flashing LED light with a red lens, located in the driving compartment, shall be illuminated automatically whenever any cab door or equipment compartment door is open. An audible alarm shall also be located in the driving compartment and will activate with the hazard light.

The light shall be marked, "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

SPECIFICATION NO. 127

WHELEN LED 56" LIGHT BAR

A Whelen Justice series LED 56" light bar shall be mounted through roof not gutter. The light bar shall have four (4) red corner LED's, six (6) forward facing red LED's, and two (2) forward facing white LED's. The light bar lenses shall be clear

SPECIFICATION NO. 128

UPPER REAR ROTARY BEACON LIGHTS

Two (2) Whelen Model L31HRFN rotary LED lights shall be installed.

Lens color shall be both red. Location shall be: Upper rear corners of body.

SPECIFICATION NO. 129

LED FRONT GRILLE WARNING LIGHTS

Two (2) Whelen Model M6RC Super LED warning lights shall be installed.

Lens color shall be: Red

Location shall be: Front grille

SPECIFICATION NO. 130

LED FRONT CORNER WARNING LIGHTS

Two (2) Whelen Model M6RC Super LED warning lights shall be installed.

Lens color shall be: Red

Location shall be: Front corner

SPECIFICATION NO. 131

LED LOWER SIDE BODY WARNING LIGHTS

Two (2) Whelen Model M6RC Super LED warning lights shall be installed.

Lens color shall be: Red

Location shall be: One (1) each side lower body

SPECIFICATION NO. 132

LED UPPER SIDE BODY WARNING LIGHTS

Four (4) Whelen Model M6RC Super LED warning lights shall be installed.

Lens color shall be: Red

Location shall be: two (2) each upper side body

SPECIFICATION NO. 133

LED REAR LOWER WARNING LIGHTS

Two (2) Whelen Model M6RC Super LED warning lights shall be installed.

Lens color shall be: Red

Location shall be: One (1) each rear lower

SPECIFICATION NO. 134

ELECTRIC SIREN AND CONTROL

One (1) Whelen Model #295SLSA1 electronic siren shall be mounted in the cab. This unit shall feature an electronic air horn, wail, yelp, hi-lo and shall have a hard wired PA microphone.

SPECIFICATION NO. 135

WHELEN SA315P ELECTRIC SIREN SPEAKER

A Whelen Model #SA315P speaker shall be installed. The speaker shall be wired to the electric siren located in the cab.

SPECIFICATION NO. 136

AC INVERTER

A Vanner 20-1050 CUL 1050 Watt inverter shall be installed in the apparatus. Power shall be taken directly from the battery system of the chassis to supply the inverter.

SPECIFICATION NO. 137

Battery Charger

A 45 amp IOTA battery charger shall be provided and wired to the 12 volt battery system.

SPECIFICATION NO. 138

EQUIPMENT PAYLOAD WEIGHT ALLOWANCE

In compliance with NFPA #1901 standards, the apparatus shall be engineered to provide an allowance of 1000 pounds of fire department provided loose equipment.

SPECIFICATION NO. 139

EXTENSION LADDER MOUNTING

Adjustable mounting shall accommodate a 24' two section, 14' straight and 10' folding ladder(s) on the right hand side of the body.

Location shall be: vertically mounted on the hose bed side with adjustable brackets.

SPECIFICATION NO. 140

DOUBLE HARD SUCTION MOUNTING RACK

Two (2) horizontally mounted aluminum hard suction hose racks with spring loaded hose clamps shall be provided. Two 10 foot sections of 3" draft hose shall be provided. Draft hose shall have 2.5" fittings

Location shall be: TBD at Preconstruction meeting

SPECIFICATION NO. 141

HYDRANT AND SPANNER WRENCHES WITH HOLDERS

Three Spanner wrench holder and wrenches for 2.5" and one spanner wrench holder and wrenches for large diameter shall be provided.

SPECIFICATION NO. 142

FOLDING WHEEL CHOCKS

Two (2) ZICO model #SAC-44, folding wheel chocks shall be provided.

SPECIFICATION NO. 143

ZICO FOLDING WHEEL CHOCK MOUNTINGS

Two (2) ZICO model SQCH-44-H, wheel chock mountings shall be mounted on the apparatus.

Location shall be: TBD at pre construction

SPECIFICATION NO. 144

BODY PAINTING SPECIFICATIONS

The apparatus pumper body shall be painted to the highest of fire apparatus standards. All materials used in the painting of the body and components shall be approved by the manufacturer of the final painting material.

All flush-mounted lights, drip moldings, and other equipment shall also be removed prior to final finishing. This shall assure finish paint under all body mounted equipment. Prior to painting of the body and components, all surfaces shall be chemically cleaned and prepared. The apparatus body shall be sanded smooth on all exterior surfaces to assure removal of imperfections in the metal surface. Primers and fillers shall be applied to the metal surface to assure a quality surface for the final painting.

SPECIFICATION NO. 145

TOUCH UP PAINT

A container of touch up paint matching the apparatus' primary color shall be shipped with the apparatus.

SPECIFICATION NO. 146

INTERIOR COMPARTMENT FINISH

The aluminum compartments shall have a bright aluminum finish interior.

SPECIFICATION NO. 147

BODY PAINT COLOR

Shall match Clark County Fire Department yellow
N3452HN Dupont

SPECIFICATION NO. 148

DECALS

Provide and install Clark County matched door legends, S stripes, 10" equipment number shall be provided for all four sides and 20" Black reflective numbers on the cab roof.

SPECIFICATION NO. 149

NFPA INNER DOOR STRIPING (2 DOOR)

There shall be 96 square inches of reflective material located inside each cab door. The reflective material shall be visible to traffic approaching from the rear of the apparatus. Also reflective striping on all slideout trays edges

SPECIFICATION NO. 150

REAR BODY AND REAR DOOR CHEVRON STRIPING

A Scotchlite reflective stripe for the full rear body shall be supplied. The chevron striping shall cover the rear body panels, along with the rear door. The chevron striping will be made up of 6" reflective red stripe that alternates with a 6" reflective yellow stripe. The stripe shall be in an inverted "V" pattern, also known as an "A" pattern.

SPECIFICATION NO. 151

KEYS: Three sets of keys shall be provided for truck for all key types at time of delivery.

SPECIFICATION NO. 152

CHASSIS WARRANTY: Drive train warranty shall be 5 year 100,000 mile warranty.

SPECIFICATION NO. 153

STRUCTURAL BODY WARRANTY: Body shall be a 10 warranty

SPECIFICATION NO. 154

PLUMBING WARRANTY: Plumping shall have a 10 year warranty

SPECIFICATION NO. 155

WATER TANK WARRANTY: Water tank shall be a minimum of 20 year warranty

SPECIFICATION NO. 156

PAINT WARRANTY: Paint shall be a 10 year warranty

SPECIFICATION NO. 157

FIRE PUMP WARRANTY: Fire water pump shall be a 5 year warranty

SPECIFICATION NO. 158

Delivery: To insure proper break-in of all components while still under warranty, the apparatus shall be delivered under its own power. A qualified delivery engineer representing the contractor shall instruct the Fire Department Personnel in the proper operation, care and maintenance of the equipment delivered.

SPECIFICATION NO. 159

MANUALS: Two each parts, operation, maintenance to be delivered with loose equipment.

SPECIFICATION NO. 160

PRE-CONSTRUCTION MEETING:

There will be a pre construction meeting for three (4) representatives of the buying authority at the facility where the Apparatus is being constructed. The trip(s) will be prior to construction of the apparatus. Factory and Sales representatives will be available at the time of trip. Transportation, lodging and meals, will be the responsibility of the successful bidder

SPECIFICATION NO. 161

FINAL INSPECTION MEETING:

There will be a final inspection meeting for four (4) representatives of the buying authority at the facility where the Apparatus is being constructed. The inspection trip(s) will be completed prior to delivery of the apparatus. Factory and Sales representatives will be available at the time of inspection. Transportation, lodging and meals, will be the responsibility of the successful bidder.

SPECIFICATION NO. 162

TRAINING: The successful bidder shall provide a qualified instructor(s) to conduct training classes for a minimum of one (1) eight-hour workday for the instruction of Clark County mechanical personnel, and operating personnel. Training shall be held at the following address: Clark County Fire Training Center 4425 West Tropicana, Las Vegas, Nevada 89103.

DELIVERY:

_____ calendar days (Maximum 180 calendar days)

DISCOUNT TERMS OF PAYMENT:

_____%, _____ calendar days.

BIDDER'S LOCAL FACILITY

(If Bidder has multiple local facilities, please attach to bid submittal a list of this information for each facility)

CONTACT MANAGER OR ACCOUNT REPRESENTATIVE NAME

ADDRESS

CITY STATE, ZIP

PHONE NUMBER

FAX NUMBER

EMAIL ADDRESS

ATTACHMENTS TO BID FORM

FAILURE TO SUBMIT REQUIRED ATTACHMENTS AS LISTED BELOW MAY RESULT IN REJECTION OF BID.

1. **Attachment 1**, Subcontractor Information, is attached.

Bidder is responsible to ascertain the number of Addenda issued and hereby acknowledges receipt of the following Addendum: **FAILURE TO ACKNOWLEDGE ALL ADDENDA ISSUED AND USE THE CORRECT BID FORM AS REQUIRED, MAY RESULT IN REJECTION OF BID.**

Addendum No. _____	Addendum No. _____	Addendum No. _____
Addendum No. _____	Addendum No. _____	Addendum No. _____
Addendum No. _____	Addendum No. _____	Addendum No. _____

Bidder hereby offers and agrees to furnish the material(s) and service(s) in compliance with all terms, conditions, specifications, and amendments in the Invitation to Bid and any written exceptions in the offer. We understand that the items in this Invitation to Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Clark County, Nevada.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

_____ SIGNATURE OF AUTHORIZED REPRESENTATIVE	_____ LEGAL NAME OF FIRM
_____ NAME AND TITLE OF AUTHORIZED REPRESENTATIVE (PRINT OR TYPE)	_____ ADDRESS OF FIRM
_____ PHONE NUMBER OF AUTHORIZED REPRESENTATIVE	_____ CITY, STATE ZIP
_____ FAX NUMBER OF AUTHORIZED REPRESENTATIVE	_____
_____ EMAIL ADDRESS	_____ DATE
BUSINESS LICENSE INFORMATION:	
_____ CURRENT STATE LICENSE NO.	_____ ISSUE DATE: EXPIRATION DATE:
_____ CURRENT COUNTY: LICENSE NO.	_____ ISSUE DATE: EXPIRATION DATE:
_____ CURRENT CITY: LICENSE NO.	_____ ISSUE DATE: EXPIRATION DATE:

FOR INFORMATIONAL PURPOSES ONLY:

The above referenced firm is a MBE WBE PBE SBE NBE LBE as defined below.

STATE OF NEVADA BUSINESSES

MINORITY OWNED BUSINESS ENTERPRISE (MBE):

An independent and continuing Nevada business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more minority persons of Black American, Hispanic American, Asian-Pacific American or Native American ethnicity.

WOMEN OWNED BUSINESS ENTERPRISE (WBE):

An independent and continuing Nevada business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more women.

PHYSICALLY-CHALLENGED BUSINESS ENTERPRISE (PBE):

An independent and continuing Nevada business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more disabled individuals pursuant to the federal Americans with Disabilities Act.

SMALL BUSINESS ENTERPRISE (SBE):

An independent and continuing Nevada business for profit which performs a commercially useful function, is not owned and controlled by individuals designated as minority, women, or physically-challenged, and where gross annual sales does not exceed \$2,000,000.

NEVADA BUSINESS ENTERPRISE (NBE):

Any Nevada business which has the resources necessary to sufficiently perform identified County projects, and is owned or controlled by individuals that are not designated as socially or economically disadvantaged.

BUSINESSES IN OTHER STATES

LARGE BUSINESS ENTERPRISE (LBE):

An independent and continuing business for profit which performs a commercially useful function and is not located in Nevada.

**ATTACHMENT 1
BID NO. 603201-13
CURRENT PRODUCTION MODEL TACTICAL WATER TENDER TRUCK**

SUBCONTRACTOR INFORMATION

It is our intent to utilize the following MBE, WBE, PBE, SBE, and NBE subcontractors in association with CONTRACT:

1. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE

 2. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE

 3. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE

 4. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE

 5. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE

 6. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE

 7. Subcontractor Name: _____
Contact Person: _____ Telephone Number: _____
Description of Work: _____
Estimated Percentage of Total Dollars: _____
Business Type: MBE WBE PBE SBE NBE
- No MBE, WBE, PBE, SBE, NBE subcontractors will be used.

**INSTRUCTIONS FOR COMPLETING THE
DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM**

Purpose of the Form

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Board of County Commissioners (“BCC”) in determining whether members of the BCC should exclude themselves from voting on agenda items where they have, or may be perceived as having a conflict of interest, and to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

General Instructions

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the appropriate Clark County government entity. Failure to submit the requested information may result in a refusal by the BCC to enter into an agreement/contract and/or release monetary funding to such disclosing entity.

Detailed Instructions

All sections of the Disclosure of Ownership form must be completed. If not applicable, write in N/A.

Business Entity Type – Indicate if the entity is an Individual, Partnership, Limited Liability Company, Corporation, Trust, Non-profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

Non-Profit Organization (NPO) - Any non-profit corporation, group, association, or corporation duly filed and registered as required by state law.

Business Designation Group – Indicate if the entity is a Minority Owned Business Enterprise (MBE), Women-Owned Business Enterprise (WBE), Small Business Enterprise (SBE), or Physically-Challenged Business Enterprise (PBE). This is needed in order to provide utilization statistics to the Legislative Council Bureau, and will be used only for such purpose.

Minority Owned Business Enterprise (MBE):

An independent and continuing business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more minority persons of Black American, Hispanic American, Asian-Pacific American or Native American ethnicity.

Women Owned Business Enterprise (WBE):

An independent and continuing business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more women.

Physically-Challenged Business Enterprise (PBE):

An independent and continuing business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more disabled individuals pursuant to the federal Americans with Disabilities Act.

Small Business Enterprise (SBE):

An independent and continuing business for profit which performs a commercially useful function, is not owned and controlled by individuals designated as minority, women, or physically-challenged, and where gross annual sales does not exceed \$2,000,000.

Veteran Owned Enterprise (VET):

A Nevada business at least 51% owned/controlled by a veteran.

Disabled Veteran Owned Enterprise (DVET):

A Nevada business at least 51% owned/controlled by a disabled veteran.

Business Name (include d.b.a., if applicable) – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

Corporate/Business Address, Business Telephone, Business Fax, and Email – Enter the street address, telephone and fax numbers, and email of the named business entity.

Local Business Address, Local Business Telephone, Local Business Fax, and Email – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

Number of Clark County Nevada Residents employed by this firm.

List of Owners/Officers – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

For All Contracts – (Not required for publicly-traded corporations)

- 1) Indicate if any individual members, partners, owners or principals involved in the business entity are a Clark County full-time employee(s), or appointed/elected official(s). If yes, the following paragraph applies.

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as provided for in subsections 2, 3, and 4.

- 2) Indicate if any individual members, partners, owners or principals involved in the business entity have a second degree of consanguinity or affinity relation to a Clark County full-time employee(s), or appointed/elected official(s) (reference form on Page 2 for definition). If **YES**, complete the Disclosure of Relationship Form. Clark County is comprised of the following government entities: Clark County, University Medical Center of Southern Nevada, Department of Aviation (McCarran Airport), and Clark County Water Reclamation District. Note: The Department of Aviation includes all of the General Aviation Airports (Henderson, North Las Vegas, and Jean).

A professional service is defined as a business entity that offers business/financial consulting, legal, physician, architect, engineer or other professional services.

Signature and Print Name – Requires signature of an authorized representative and the date signed.

Disclosure of Relationship Form – If any individual members, partners, owners or principals of the business entity is presently a Clark County employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a Clark County employee, public officer or official, this section must be completed in its entirety.

DISCLOSURE OF OWNERSHIP/PRINCIPALS

Business Entity Type						
<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Partnership	<input type="checkbox"/> Limited Liability Company	<input type="checkbox"/> Corporation	<input type="checkbox"/> Trust	<input type="checkbox"/> Non-Profit Organization	<input type="checkbox"/> Other
Business Designation Group:						
MBE	WBE	DBE	PBE	SBE	VET	DVET
Minority Owned	Women Owned	Disabled	Physically Challenged	Small Business	Veteran Owned	Disabled Veteran Owned
Corporate/Business Entity Name:						
(Include d.b.a., if applicable)						
Street Address:				Website:		
City, State and Zip Code:				POC Name and Email:		
Telephone No:				Fax No:		
Local Street Address:				Website:		
City, State and Zip Code:				Local Fax No:		
Local Telephone No:				Local POC Name Email:		
Number of Clark County Nevada Residents Employed:						

All entities, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity appearing before the Board.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest. The disclosure requirement, as applied to land-use applications, extends to the applicant and the landowner(s).

Entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

Full Name	Title	% Owned <small>(Not required for Publicly Traded Corporations/Non-profit organizations)</small>

This section is not required for publicly-traded corporations.

1. Are any individual members, partners, owners or principals, involved in the business entity, a Clark County, University Medical Center, Department of Aviation, or Clark County Water Reclamation District full-time employee(s), or appointed/elected official(s)?

Yes No (If yes, please note that County employee(s), or appointed/elected official(s) may not perform any work on professional service contracts, or other contracts, which are not subject to competitive bid.)

2. Do any individual members, partners, owners or principals have a spouse, registered domestic partner, child, parent, in-law or brother/sister, half-brother/half-sister, grandchild, grandparent, related to a Clark County, University Medical Center, Department of Aviation, or Clark County Water Reclamation District full-time employee(s), or appointed/elected official(s)?

Yes No (If yes, please complete the Disclosure of Relationship form on Page 2. If no, please print N/A on Page 2.)

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that the Board will not take action on land-use approvals, contract approvals, land sales, leases or exchanges without the completed disclosure form.

Signature

Title

Print Name

Date

DISCLOSURE OF RELATIONSHIP

List any disclosures below:
(Mark N/A, if not applicable.)

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF COUNTY* EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO COUNTY* EMPLOYEE/OFFICIAL	COUNTY* EMPLOYEE'S/OFFICIAL'S DEPARTMENT

* County employee means Clark County, University Medical Center, Department of Aviation, or Clark County Water Reclamation District.

“Consanguinity” is a relationship by blood. “Affinity” is a relationship by marriage.

“To the second degree of consanguinity” applies to the candidate’s first and second degree of blood relatives as follows:

- Spouse – Registered Domestic Partners – Children – Parents – In-laws (first degree)
- Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws (second degree)

For County Use Only:

If any Disclosure of Relationship is noted above, please complete the following:

Yes No Is the County employee(s) noted above involved in the contracting/selection process for this particular agenda item?

Yes No Is the County employee(s) noted above involved in anyway with the business in performance of the contract?

Notes/Comments:

Signature

Print Name
Authorized Department Representative

DISCLOSURE OF RELATIONSHIP

For County Use Only:

If any Disclosure of Relationship is noted above, please complete the following:

Yes No Is the County employee(s) noted above involved in the contracting/selection process for this particular agenda item?

Yes No Is the County employee(s) noted above involved in anyway with the business in performance of the contract?

Notes/Comments:

Signature

Print Name
Authorized Department Representative

For County Use Only:

If any Disclosure of Relationship is noted above, please complete the following:

Yes No Is the County employee(s) noted above involved in the contracting/selection process for this particular agenda item?

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Notes/Comments:

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Print Name
Authorized Department Representative

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Notes/Comments:

Signature

Print Name
Authorized Department Representative