



AGENDA

Regular Board of Directors Meetings are held
Third Wednesday of the Month

****SPECIAL BOARD MEETING****

Monday, December 19, 2022

6:30 p.m.

TELECONFERENCE TEAMS MEETING

[https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGZiZmE3YTQtN2UyYi00ZDdhLWJmOGEtZDlzNTdiYjRjOTYz%40thread.v2/0?context=%7b%22Tid%22%3a%227546519e-2cd5-4e2c-bed5-ac3d46eec8ff%22%2c%22Oid%22%3a%22b510e640-8ba3-421f-a075-694cad7ace01%22%7d)

[join/19%3ameeting_ZGZiZmE3YTQtN2UyYi00ZDdhLWJmOGEtZDlzNTdiYjRjOTYz%40thread.v2/0?context=%7b%22Tid%22%3a%227546519e-2cd5-4e2c-bed5-ac3d46eec8ff%22%2c%22Oid%22%3a%22b510e640-8ba3-421f-a075-694cad7ace01%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGZiZmE3YTQtN2UyYi00ZDdhLWJmOGEtZDlzNTdiYjRjOTYz%40thread.v2/0?context=%7b%22Tid%22%3a%227546519e-2cd5-4e2c-bed5-ac3d46eec8ff%22%2c%22Oid%22%3a%22b510e640-8ba3-421f-a075-694cad7ace01%22%7d)

Board Members

Felicity Carlson	President
Sidney Bazett	Vice President
Eric Aiston	Board Member
Monique Scobey	Board Member
Vacant	Board Member

CALL TO ORDER

1. Roll Call
 2. Pledge of Allegiance
-

Public testimony will be received on each agenda item as it is called. Principal party on each side of an issue is allocated 10 minutes to speak, individual comments are limited to 3 minutes except with the consent of the Board; individuals shall be allowed to speak on an item only once. Members of the audience are asked to volunteer their name before addressing the Board. The Board reserves the right to waive said rules by a majority vote.

All demonstrations, including cheering, yelling, whistling, handclapping, and foot stomping which disrupts, disturbs or otherwise impedes the orderly conduct of the Board meeting are prohibited.

OATH OF OFFICE

- Monique Scobey Four Year term (2026) Oath administered by Felicity Wood Carlson
 - Dawn Wolfson Four Year Term (2026) Oath administered by Felicity Wood Carlson
 - Tim Israel Four Year Term (2026) Oath administered by Felicity Wood Carlson
-

ADOPTION OF THE AGENDA

The Board will make any necessary additions, deletions, or corrections to the Agenda and motion to adopt the Agenda.

1. Adopt the Agenda
-

RECOGNITIONS AND PRESENTATIONS

The Board of Directors expresses appreciation to members of the community, District staff, or the Board for extra efforts as volunteers, committee members or community-minded citizens. The Board of Directors is prohibited from discussing issues not on the agenda brought to them at this time. According to State Law (the Brown Act), items must first be noticed on the agenda before any discussion or action.

2. Honoring Director Felicity Wood Carlson and Director Ellie Wooten for service on the Board of Directors
 3. Presentation: Introduction of Fire Prevention Specialist Meg Edlund and the Fire Prevention program
 4. Presentation: CC&R 101 by CC&R Compliance Officer Jim Mog
-

OPEN FORUM FOR NON-AGENDA ITEMS

Members of the public may speak on any item not on the agenda that falls within the jurisdiction of the Board of Directors.

APPROVAL OF CONSENT AGENDA

AGENDA

The following Consent Agenda items are considered routine and will be acted upon by the Board without discussion with one vote. Any item may be removed from the Consent Agenda by a Board member or a member of the audience and placed under General Business #8 to be discussed and acted upon individually.

5. No Conformed Agendas to approve at this time.
 6. **APPROVE Resolution No. 2022-37** Hybrid Meetings
 7. **RECEIVE AND FILE** General Manager's Report (A. Pichly)
-

GENERAL BUSINESS

For purposes of the Brown Act §54954.2 (a), items below provide a brief description of each item of business to be transacted or discussed. Recommendations of the staff, as shown, do not prevent the Board from taking other action.

8. Items removed from the Consent Agenda for discussion
 9. **NOMINATE & ELECT** Election of President and Vice President (A. Pichly)
 10. **APPOINTMENT** of Standing and Ad Hoc Committee Members (A. Pichly)
 11. **APPROVE** 2023 Board and Committee Meeting Calendar (A. Pichly)
 12. **RECEIVE AND FILE** 2022 Work Plan Update and 2023 Work Plan Development (A. Pichly)
 13. **APPROVE Resolution 2022-38** and authorize the General Manager to enter into a contract with Golden State/BME to purchase a Type III Fire Engine in the amount of \$394,599.68 and fund said purchase through Fund 07 (A. Pichly/D. Martin/C. Siebert)
-

BOARD INFORMATION ITEMS

At this time, the Board and staff are provided the opportunity to speak on various issues. Direction by the President may be given; however, no action may be taken unless the Board agrees to include the matter on a subsequent agenda.

14. Committee Chair Report-Outs
 - a. Budget & Administration
 - b. Covenants, Conditions & Restrictions (CC&R)
 - c. Fire & Emergency Services
 - d. Parks & Recreation
 15. General Matters to/from Board Members and Staff
 - Upcoming Trainings & Community Meetings
 - CARPD: Board Member Orientation "The Ins, Outs & In-Betweens of Serving Your Community", on Thursday, January 5, 2023, 4-5 pm, via Zoom (ask GM for link if interested)
 - SDRMA: Spring Education Day, Wednesday, March 22, 2023, Hilton Sacramento
 - CSDA: Special Legislative Days, May 16 & 17, 2023, Sheraton Grande Sacramento
-

PUBLIC COMMENT

AGENDA

At this time, members of the public may speak on any closed session agenda item. Closed sessions may be called as necessary for personnel, litigation, and labor relations or to meet the negotiator prior to the purchase, sale, exchange, or lease of real property. Members of the public may address the Board prior to closing the meeting.

NO CLOSED SESSION

ADJOURNMENT

Please contact the District office at (530) 677-2231 or admin@cameronpark.org if you require public documents in alternate formats or accommodation during public meetings. For the public's information, we are taking email requests at admin@cameronpark.org for future notification of Cameron Park Community Services District meetings.

Fire Prevention Specialist

Meg Edlund

Job Duties

- Fire & Life Safety Inspections
- Defensible Space – Weed Abatement
- Public Education

Fire Inspections


- STATE REGULATED
- BUSINESS INSPECTIONS

Public Education




Fire Code Violation Examples

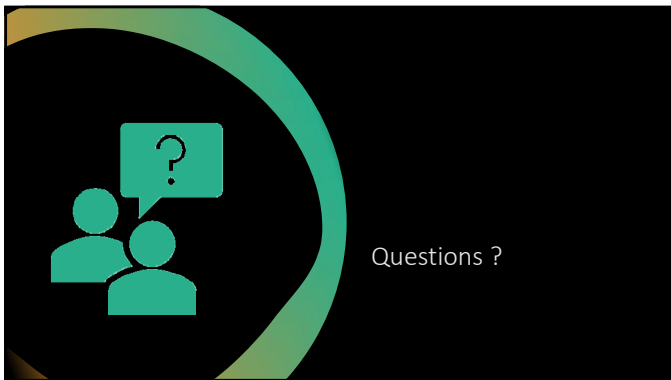
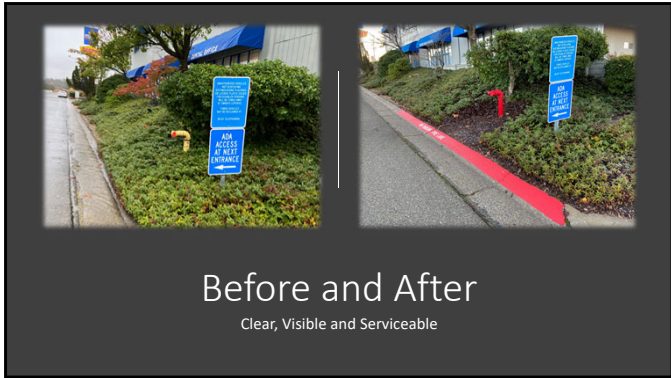
- Blocked exit
- Exiting door hardware
- Excess fuelloading



Violations Cont

- Storage in a boiler / electrical room
- Blocked Electrical panel
- Inaccessible fire alarm panel
- Ceiling storage





Cameron Park Community Services District

CC&R 101

PRESENTED BY JIM MOG
CC&R COMPLIANCE OFFICE

What Are CC&Rs?

- Covenants, Conditions and Restrictions
- The CC&Rs are the rules of your neighborhood. They describe the requirements and limitations about what you can do with your property. The goal of the CC&Rs is to protect, preserve, and enhance property values in the community.
- A recorded document “runs with the land”

<https://www.cpcsd.com/legal-enforcement/what-are-covenants-conditions-restrictions-ccr-book.html>

Quiz: CC&Rs are an agreement between...

- A) CPCSD and Cameron Park Homeowners
- B) Home Seller and Home Buyer
- C) The Property Owners Within a Subdivision**

Why does the CPCSD enforce CC&Rs?

- In November 1986, the CPCSD was granted the authority to enforce CC&Rs pursuant to Government Code Section 61105 (previously 61601.10).
- The CPCSD works to assist property owners with attaining compliance with their CC&Rs.

The Enforcement Process

- CC&R Officer must perform an inspection and confirm the violation
- 1st Notice of Violation is mailed to the property owner
- Final Notice is mailed to the owner
- Pre-legal Notice is sent via certified mail to the owner
- Violation will go before the CC&R Committee in open session. Committee will review and may motion to forward the issue to the Board of Directors for potential legal action.

Why hasn't the CPCSD updated the CC&Rs?

Cameron Park CSD does not have the authority to amend, change or revoke CC&R's.

However, the residents within a specific subdivision can vote to amend their CC&Rs.

Architectural Review Committee

- Reviews applications and plans for exterior home improvement projects and new home construction.
- The purpose is to ensure compliance with applicable CC&Rs and preserve the esthetic of the neighborhood.
- The committee currently meets every Tuesday morning at 8:30 am.
- Currently a 3-member committee consisting of
Kathi Markan, ARC Chair – Community Member
Brennan Overstreet, Vice Chair – Community Member
Jeff Heuerman – Community Member

Quiz: Which Project is Subject to ARC Approval?

- A) Swimming Pool
- B) Patio Cover
- C) Re-Roof
- **D) All of the above**

Architectural Review Committee

- **Projects subject to ARC approval include:**
 - ✓ New Home Construction
 - ✓ Room Addition
 - ✓ Swimming Pool
 - ✓ Storage Shed
 - ✓ Roof, Solar Panels
 - ✓ Exterior paint, Siding
 - ✓ Decks, Porch, Patio Cover, Trellis, Gazebo
 - ✓ Fence, Retaining Wall
 - ✓ Landscaping
 - ✓ Tree Removal
 - ✓ Play structures, Basketball Hoops (not portable hoops)



Agenda Transmittal

DATE: December 19, 2022

FROM: André Pichly, General Manager

AGENDA ITEM #6: Resolution 2022-37 – Consideration authorizing open meetings via teleconference for Cameron Park Board of Director and Committee meetings per AB 361

RECOMMENDED ACTION: **APPROVE RESOLUTION NO. 2022-37**

Background

Assembly Bill 361, until January 1, 2024, would authorize a local agency to use teleconferencing without complying with the teleconferencing requirements imposed by the Ralph M. Brown Act when a legislative body of a local agency holds a meeting during a declared state of emergency, as that term is defined, when state or local health officials have imposed or recommended measures to promote social distancing, during a proclaimed state of emergency held for the purpose of determining, by majority vote, whether meeting in person would present imminent risks to the health or safety of attendees, and during a proclaimed state of emergency when the legislative body has determined that meeting in person would present imminent risks to the health or safety of attendees, as provided.

The District Board of Directors have passed resolutions since January that permitted the Board and Committees to hold virtual meetings. While the reasons for holding these virtual meetings was due to minimizing the risk of exposure to COVID-19 to all attendees, the current status of positive cases and hospitalizations in El Dorado County is very low, according to the [El Dorado County Health and Human Services COVID-19 interactive dashboard](#).

Continuing the state's phased rollback of executive orders implemented in response to the pandemic, Governor Gavin Newsom took action to lift all but 5 percent of COVID-19 related executive order provisions, while maintaining critical measures that support the state's ongoing response and recovery efforts. In short, the mask mandate for all California citizens has been rolled back and masks are no longer required.

Throughout the pandemic, public agencies had to adapt to continue holding public meetings while maintaining transparency and complying with the Brown Act. This was done using virtual meetings. After almost 2-years of using technology that permitted virtual meetings, public agencies became more proficient at facilitating meetings that allowed policymakers, staff, and the public to participate without being physically present. Despite some of the minor challenges that remain, the use of virtual meeting software has shown that public agencies can still conduct business and remain transparent.

Another benefit of the virtual meetings is its convenience for most users. Whether a Board Member, staff, or a member of the public, participation is relatively easy, and can be done just about anywhere, as long as the participant has a reliable Wi-Fi signal. Whether a panel member or an attendee, virtual meetings have made it easier for most citizens to participate. That said, nothing can replace the experience of meeting face-to-face, but that may not be convenient for most individuals. Allowing a hybrid virtual format for some people may increase participation and engagement.

Discussion

By adopting Resolution 2022-37, the Board of Directors would be able to implement hybrid meetings using virtual technology for meetings of the Board, as well as standing and ad hoc committees, as warranted, while remaining compliant with the State's Brown Act, for a 30-day period beginning December 20, 2022, to January 18, 2023. Adopting this resolution would permit the Board of Directors the option of all Cameron Park Community Services District public meetings to be held virtually while allowing members of the public to join during all open and public proceedings. A hybrid model would be the use of teleconferencing for meeting participants who would not be present for the meetings held at the Community Center while the meeting was taking place in-person. Members of the public and staff could opt to join in-person or virtually. The District would post the meeting agenda with the necessary information for joining the meeting online or by phone. A new resolution will need to be adopted by the Board of Directors at least every 30-days to have the option of having public meetings held virtually.

Attachment: 6.a – Resolution 2022-37

**RESOLUTION NO. 2022-37
of the Board of Directors
of the Cameron Park Community Services District
December 19, 2022**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE CAMERON PARK
COMMUNITY SERVICES DISTRICT AUTHORIZING REMOTE TELECONFERENCE
MEETINGS OF THE LEGISLATIVE BODIES OF CAMERON PARK COMMUNITY
SERVICES DISTRICT FOR THE PERIOD DECEMBER 20, 2022, TO JANUARY 18, 2023,
PURSUANT TO BROWN ACT PROVISIONS.**

WHEREAS, the Cameron Park Community Services District is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of Cameron Park Community Services District's legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and watch the District's legislative bodies conduct their business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, the Board of Directors does hereby find that the legislative bodies of Cameron Park Community Services District shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

NOW, THEREFORE, THE BOARD OF DIRECTORS OF Cameron Park Community Services District DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Remote Teleconference Meetings. The General Manager and legislative bodies of Cameron Park Community Services District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

Section 3. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of (i) January 18, 2023, or such time the Board of Directors adopts a subsequent resolution in accordance with Government Code section

54953(e)(3) to extend the time during which the legislative bodies of Cameron Park Community Services District may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

PASSED AND ADOPTED by the Board of Directors of Cameron Park Community Services District, this 19th day of December 2022, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST:

_____, President
Board of Directors

André Pichly
General Manager



Agenda Transmittal

DATE: December 19, 2022

FROM: André Pichly, General Manager

AGENDA ITEM #7: **GENERAL MANAGER'S REPORT**

RECOMMENDED ACTION: **RECEIVE AND FILE**

Splash Pad Project

With help from Callander Associates we have completed some requested documentation and the State Water Resources Control Board was able to process our construction general permit notice of intent and we have received our WDID number (waste discharge identification permit number) for this application. We believe this was the final step needed before the County will grant approval for the project.

Budget and Administration

Finance Officer Christina Greek is currently working on our financial audit. She and I have met virtually with representatives from two different companies that provide HR Consulting Services. I will need to schedule one more meeting with a different company before I can proceed with a decision.

Our Accounting Specialists, Laura Sanders-Ito and Hailey Marshall are doing great work with accounts payable and payroll. They are a good team and fun to have in the office.

We received two quality proposals for IT Services and hope to finalize our decision after the first of the year and bring a contract to the Board no later than February for their approval.

CC&R

As we enter the winter months, CC&R Officer Jim Mog and assistant Tim Reimer have continued to be busy with neighborhood campaigns and educating our residents on CC&Rs. Neighborhood campaigns focus on individual CC&R neighborhoods. These campaigns first educate and request help from the residents. This reduces the amount of case file work and provides focus on troubled areas to be addressed.

The CC&R office has been the lead on the creation of a Multi-Agency Abatement Team **MAAT**, which is still in development. The objective is to establish collaboration with outside agencies to address issues and violations that either overlap into other agencies, and get support from the other agencies in abatement efforts.

Jim and I have had some meetings with representatives for the Cameron Meadows development and El Dorado County LAFCO to discuss annexation into the District. Our discussions are in the early stages, and we will update the Board as the situation develops.

Parks and Facilities

Parks & Facilities Superintendent Mike Grassle and I met with some unhappy residents who live in homes that boarder the disc golf course. We spent over an hour hearing their concerns. We then scheduled a meeting with Sharon Keoppel of El Dorado Disc Sports to address some complaints. The meeting went well and together we discussed ideas and next steps to address and improve player behavior. Mike will be working with Sharon to create a small group task force of park maintenance staff and disc golf players recommended by Sharon to address the issues of concern and develop solutions that could be implemented to improve the situation to the benefit of the residents. Mike and I also visited with an HOA for some Spill Way townhomes and discussed some similar concerns expressed by the residents.

Mike and Parks staff were able to get all the electrical conduit installed and trenching work cleaned up. An electrician pulled wire and hooked up the electrical. Next phase is for the District to purchase the fountains and install them in the Spring of 2023.



Recreation

Recreation Supervisor Kim Vickers was pleased with the number of vendors at the **Old Fashioned Christmas Craft Fair** that took place on Saturday, November 19th at the Community Center. Lots of vendors and even more attendees made for another successful event.



The **6th Annual Tree Lighting** took place on December 2nd at Christa McAuliffe Park. Kim, along with help from her part-time staff, Maddie, did a great job and were pleased with the turnout. Thanks, too, to Parks & Facilities staff Mike, Matt and Marty for helping get the tree ready and event set up.



Movie Night at the CSD featured a holiday favorite – The Polar Express. Close to 50 adults and children attended this Friday night showing and were encouraged to wear their PJ's and enjoy some popcorn. Kids of all ages also had a chance to sit with Santa!

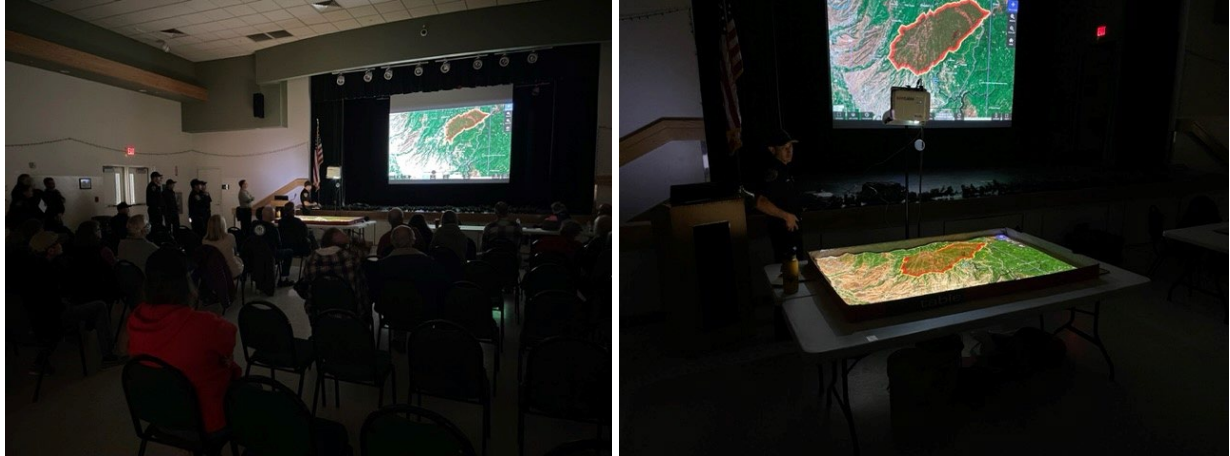


We are in the process of onboarding our **new Recreation Coordinator, Adam Domingo**, and he will begin his employment with the District on Tuesday, January 3rd.

Fire and Emergency Services

Weekly meetings continue with the Fire Chiefs and Fire Prevention Specialist Meg Edlund. The impact that the Fire Prevention Specialist is having is significant and I look forward to you hearing her presentation at the December 19th Board meeting.

Battalion Chief Richards, Meg, and representatives from neighboring fire districts were on hand for the **Greater Cameron Park Fire Safe Council** meeting at the Community Center. The meeting included a 3-D wildfire simulation, which is the first exercise in a series of 5 workshops open to our residents.



The **Fire Contract Negotiation Ad Hoc Committee** has met twice and is scheduled to meet again in January. In addition to Director's Aiston and Scobey, members of CAL FIRE leadership for the Amador-Eldorado Unit and management for the Cameron Park Fire Department are involved in the discussions. These meetings are noticed and open to the public.



Other

My wife and I attended the annual **Rotary Christmas Party** on Thursday, December 8th. Also in attendance were Director's Bazett and Wood Carlson. It was a fun evening and of fellowship and holiday cheer. On a side note, I have received my *blue badge* and am now an official member of the Cameron Park Rotary Club.

I was a guest speaker at the **CPRS District 2 General Membership** meeting on Friday, December 9th. I was asked to talk about teamwork, my experiences as a park and

recreation profesioanl and the benefits of being engaged California Park & Recreation Society activities.



Team Shenanigans (our staff fun and games committee) hosted an enjoyable staff holiday party in the Assembly Hall on Friday, December 9th. Laura, Haliey, Ashton, Marty and Bailey did a great job providing food and fun activites for attendees, which included nearly all staff and their guests.

I attended the **El Dorado Tri-County Chamber Holiday Mixer** on Wednesday, December 14th in El Dorado Hills. I was able to spend time with some cameron park residents/business owners and enjoy an evening of food and fun.

Former General Manager Jill Ritzman stopped by the office on Friday, December 16th to wish staff Happy Holidays and share a cake she made for us. It was great seeing her and hearing about how much she loves retirement.



Agenda Transmittal

DATE: December 19, 2023

FROM: André Pichly, General Manager

AGENDA ITEM #9: ELECTION OF PRESIDENT AND VICE PRESIDENT

RECOMMENDED ACTION: NOMINATE AND ELECT BOARD OF DIRECTORS' PRESIDENT AND VICE PRESIDENT

Introduction

The Cameron Park Community Services District (District) Bylaws, Section 5.1, defines the Officers of the District Board as a President and Vice President. Traditionally, the Officers have been elected in December to begin a one year term starting in January for the calendar year. Officers are determined by a majority vote of the Board. The President and Vice President should be voted on separately.

Fiscal Impact: None

Recommended Action: Staff recommend that the current Vice President of the Board request nominations of the other Board members for the position of Board President and take a vote to seat the new President. Once that position has been elected, the new Board President shall ask the Board of Directors to nominate individuals for the position of Vice President, and then take a vote to seat the new Vice President.



Agenda Transmittal

DATE: December 19, 2022

FROM: André Pichly, General Manager

AGENDA ITEM #10: COMMITTEE ASSIGNMENTS FOR 2023

RECOMMENDED ACTION: BOARD PRESIDENT APPOINT BOARD MEMBERS TO ALL
STANDING AND CURRENT AD HOC COMMITTEES FOR 2023

INTRODUCTION

Each year the Board of Directors reorganizes by electing a new Board President and Vice President. It is the responsibility of the newly elected President to give careful thought and consideration to his/her appointment of Board members to standing and ad hoc committees. Prior to the December Board Meeting the General Manager will request of the Board members their preferences for committee assignments. The Board President may appoint the Board members to committees as early as December but no later than a regular meeting in January. Should the President of the Board choose not to appoint at the December 19th Board meeting, the best practice would be to not hold committee meetings until the appointment of Board members to standing committees is announced during a Board meeting, which would be in January.

BACKGROUND

Attachment 10A is a matrix listing the history of committee assignments going back to 2017. Not including on the list are the Ad Hoc Committee assignments of Director's Aiston and Scobey to the Fire Contract Negotiation Ad Hoc Committee.

BYLAWS: As stated in the Cameron Park Community Services District (District) Bylaws, Section 6.1.3, **Committees**, The following committees shall be established as "Standing Committees"; **Covenants, Conditions & Restrictions (CC&R), Architectural Review Committee, Parks and Recreation, Fire & Emergency Services, and Budget and Administration.** These committees meet in accordance with the provisions of the Ralph M. Brown Act commencing with Section 54950 et California Government Code, as amended. These committees will consist of two directors appointed by the Board President, except for the Architectural Review Committee which is a subset of the CC&R

Committee and shall be comprised of three community members. The CC&R Committee will have two Board members and three community members. The same two Directors may not serve on all standing committees during the same term. Committee assignments will be for a term of one year commencing with the Board reorganization in December.

POLICY TITLE: Committees of the Board of Directors

POLICY NUMBER: 4060

4060.2 The following shall be standing committees of the Board:

4060.2.1 Covenants Conditions & Restrictions Committee;

4060.2.1a Architectural Review Committee

4060.2.2 Parks and Recreation Committee;

4060.2.3 Budget & Finance Committee;

4060.2.4 Fire & Emergency Services Committee

4060.1 The Board President shall appoint such ad hoc committees as may be deemed necessary or advisable by himself/herself and/or the Board. The duties of the ad hoc committees shall be outlined at the time of appointment, and the committee shall be considered dissolved when its final report has been made.

4060.3 The Board President shall appoint and publicly announce the Board members and community members of the standing and any existing ad hoc committees for the ensuing year no later than the Board's regular meeting in January. If a committee member resigns during the year, the President shall appoint a replacement.

4060.4 The Board's standing committees may be assigned to review District functions, activities, and/or operations pertaining to their designated concerns, as specified below. Said assignment may be made by the Board President, a majority vote of the Board, or on their own initiative. Any recommendations resulting from said review should be submitted to the Board via a written or oral report.

4060.4.1 All meetings of standing committees shall conform to all open meeting laws (e.g., "Brown Act") that pertain to regular meetings of the Board of Directors.

Fiscal Impact: None

Recommended Action: Staff recommends that the Board President appoint Board members to all Standing and current Ad Hoc Committees for 2023.

Attachments

10.a – Committee Assignments Matrix 2017-present

10.b – 2023 Committee Assignment Requests

Committee Assignments 2017 – Present

Revised 12/16/2022

	Budget & Administration (3)	Fire & Emergency Services (3)	Parks & Recreation (3)	CC&R (5)	ARC (3)
2017	Monique Scobey Greg Stanton	Holly Morrison Ellie Wooten	Monique Scobey Margaret Mohr	Holly Morrison Ellie Wooten	
2018	Holly Morrison Margaret Mohr	Holly Morrison Ellie Wooten	Monique Scobey Greg Stanton	Monique Scobey Ellie Wooten	
2019	Monique Scobey Margaret Mohr/Eric Aiston	Holly Morrison Felicity Wood Carlson	Holly Morrison Monique Scobey	Ellie Wooten Felicity Wood Carlson	
2020	Eric Aiston Monique Scobey	Monique Scobey Ellie Wooten	Felicity Wood Carlson Ellie Wooten	Felicity Wood Carlson Holly Morrison	
2021	Eric Aiston Felicity Wood Carlson	Monique Scobey Sidney Bazett	Felicity Wood Carlson Sidney Bazett	Monique Scobey Ellie Wooten	
2022	Felicity Wood Carlson © Sidney Bazett Alt: Eric Aiston	Eric Aiston © Sidney Bazett Alt: Felicity Carlson	Monique Scobey © Ellie Wooten Alt: Sidney Bazett	Kelly Kantola (©/®) Eric Aiston (B) Ellie Wooten (B/V) Tim Israel ® Candice Hill Calvert ® Alt: Monique Scobey (B)* ALT: Bob Dutta ®	Kathi Markan (©/®) Jeff Heuerman® Brennen Overstreet (v/®) Alt: Kathryn Gilfilan ®
2023					

© - Chair (V) = Vice Chair
 ® = Resident (B) = Board Members

* can only substitute for another Board Member

2023 Committee Assignment Requests

The following request are listed in order of preference.

Director Aiston's preferences:

1. Fire & Emergency Services
2. CC&R
3. Budget & Administration
4. Parks & Recreation

Director Bazett's preferences:

1. Budget & Administration
2. Parks & Recreation
3. Fire & Emergency Services
4. CC&R

Director Israel's preferences:

1. Budget & Administration
2. CC&R
3. Fire & Emergency Services
4. Parks & Recreation

Director Scobey's preferences:

1. Parks & Recreation
2. Budget & Administration
3. CC&R
4. Fire & Emergency Services

Director Wolfson's preferences:

1. Fire & Emergency Services
2. Budget & Administration
3. CC&R
4. Parks & Recreation

The GM recommends that the Fire Negotiation Ad Hoc committee of Directors Aiston and Scobey remain as is since the ad hoc committee just got started in the fall of 2022. Community members appointed by Director Wood Carlson to ARC and CC&R will remain on their committees until the new president can review applications, interview the applicants, and make appointments at the January BOD meeting.



Agenda Transmittal

DATE: December 19, 2022

FROM: André Pichly, General Manager

AGENDA ITEM #11: **2023 BOARD AND COMMITTEE CALENDAR**

RECOMMENDED ACTION: **APPROVE 2023 BOARD AND COMMITTEE CALENDAR**

Staff is continuing best practices established in 2019 for calendaring Board of Directors Regular and Board and Committee meetings. District Policy 5010: Board Meetings states that Regular Board meetings will occur on the third Wednesday of each month. District practice is to have Board Committees meet the first Monday and Tuesday of each month. The calendar is adjusted for holidays. Board members have discussed holding meetings at other locations within the community, such as parks, fire stations and other public places.

Staff is recommending that Regular Board meetings in the months of January, February, March, July, August, and November be moved to the 4th Wednesday of the month. This would allow for a full week between committee meetings and the Board meetings which staff would use for meeting preparation. For each of the aforementioned months the Regular meeting would be canceled and the meeting on the 4th Wednesday would be noticed as a Special Meeting.

Staff is recommending approval of the draft 2023 Calendar for Board and Committee Meetings. If there is a need to change any of the dates cited in the attached calendar, the General Manager will communicate this to the Board of Directors as soon as possible.

Attachment:

11.a – 2023 Calendar DRAFT

Cameron Park Community Services District

Board and Standing Committee Meeting Dates - DRAFT 2023

Month	Date of Meeting	Time of Meeting	Type of Meeting
January	9 th – Monday	5:30 p.m.	CC&R
	9 th – Monday	6:30 p.m.	Parks & Recreation
	10 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	10 th – Tuesday	6:30 p.m.	Budget & Administration
	25 th – Wednesday	6:30 p.m.	Board of Directors
February	6 th – Monday	5:30 p.m.	CC&R
	6 th – Monday	6:30 p.m.	Parks & Recreation
	7 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	7 th – Tuesday	6:30 p.m.	Budget & Administration
	22 nd – Wednesday	6:30 p.m.	Board of Directors
March	6 th – Monday	5:30 p.m.	CC&R
	6 th – Monday	6:30 p.m.	Parks & Recreation
	7 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	7 th – Tuesday	6:30 p.m.	Budget & Administration
	22 nd – Wednesday	6:30 p.m.	Board of Directors
April	3 rd – Monday	5:30 p.m.	CC&R
	3 rd – Monday	6:30 p.m.	Parks & Recreation
	4 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	4 th – Tuesday	6:30 p.m.	Budget & Administration
	19 th – Wednesday	6:30 p.m.	Board of Directors
May	1 st – Monday	5:30 p.m.	CC&R
	1 st – Monday	6:30 p.m.	Parks & Recreation
	2 nd – Tuesday	5:30 p.m.	Fire & Emergency Services
	2 nd – Tuesday	6:30 p.m.	Budget & Administration
	17 th – Wednesday	6:30 p.m.	Board of Directors
June	5 th – Monday	5:30 p.m.	CC&R
	5 th – Monday	6:30 p.m.	Parks & Recreation
	6 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	6 th – Tuesday	6:30 p.m.	Budget & Administration
	21 st – Wednesday	6:30 p.m.	Board of Directors

Month	Date of Meeting	Time of Meeting	Type of Meeting
July	10 th – Monday	5:30 p.m.	CC&R
	10 th – Monday	6:30 p.m.	Parks & Recreation
	11 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	11 th – Tuesday	6:30 p.m.	Budget & Administration
	26 th – Wednesday	6:30 p.m.	Board of Directors
August	1 st – Tuesday	5:30 p.m.	Fire & Emergency Services
	1 st – Tuesday	6:30 p.m.	Budget & Administration
	7 th – Monday	5:30 p.m.	CC&R
	7 th – Monday	6:30 p.m.	Parks & Recreation
	23 rd – Wednesday	6:30 p.m.	Board of Directors
September	5 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	5 th – Tuesday	6:30 p.m.	Budget & Administration
	11 th – Monday	5:30 p.m.	CC&R
	11 th – Monday	6:30 p.m.	Parks & Recreation
	20 th – Wednesday	6:30 p.m.	Board of Directors
October	2 nd – Monday	5:30 p.m.	CC&R
	2 nd – Monday	6:30 p.m.	Parks & Recreation
	3 rd – Tuesday	5:30 p.m.	Fire & Emergency Services
	3 rd – Tuesday	6:30 p.m.	Budget & Administration
	18 th – Wednesday	6:30 p.m.	Board of Directors
November	6 th – Monday	5:30 p.m.	CC&R
	6 th – Monday	6:30 p.m.	Parks & Recreation
	7 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	7 th – Tuesday	6:30 p.m.	Budget & Administration
	22 nd – Wednesday	6:30 p.m.	Board of Directors
December	4 th – Monday	5:30 p.m.	CC&R
	4 th – Monday	6:30 p.m.	Parks & Recreation
	5 th – Tuesday	5:30 p.m.	Fire & Emergency Services
	5 th – Tuesday	6:30 p.m.	Budget & Administration
	20 th – Wednesday	6:30 p.m.	Board of Directors



Agenda Transmittal

DATE: December 19, 2022

FROM: André Pichly, General Manager

AGENDA ITEM #12: DISTRICT WORK PLAN 2022 UPDATE

RECOMMENDED ACTION: RECEIVE AND FILE 2022 WORK PLAN UPDATE AND PROVIDE DIRECTION TO THE GENERAL MANAGER AND COMMITTEE CHAIRS TO BEGIN THE DEVELOPMENT OF THE 2023 DISTRICT WORK PLAN

Introduction

The Cameron Park Community Services District Board of Directors' Standing Committees reviewed, discussed and developed the 2022 Work Plans for each Standing Committee, which the Board of Directors approved in February 2022 and was updated in May 2022 and September 2022 to show progress to date.

In an effort to stay focused on Work Plan objectives the General Manager intended to update the Board of Directors quarterly progress towards Work Plan objectives. The following is the update for the 4th quarter of the calendar year 2022.

Budget and Administration Committee

- Update the 5 Year Budget Projection (*Meets Strategic Focus Area - E.1.b*),
UPDATE: No progress to report at this time.
- Develop a schedule for reviewing and updating District policies,
UPDATE: Eide Bailly is reviewing policies related to finance and personnel and will be helping to consolidate/update and draft new policies in the beginning of 2023. All other policies are still under review by the General Manager, Finance/HR Officer, and Parks & Facilities Superintendent.
- Research process and develop policy for evaluating contractor performance,
COMPLETE: District Counsel has advised that using the Scope of Work in the contract would make the most sense for measuring contractor performance, so that will be the practice moving forward.
- Develop a Reserve Policy and establish a healthy reserve balance for asset improvements and economic uncertainty (*Meets Strategic Focus Area - E.1.c*),

UPDATE: We have reviewed the Reserve Policy and have put together a spreadsheet to track the necessary amounts needed in each reserve account. The BOD put a place holder of \$500,000 in the FY 22/23 budget to transfer monies from fund balance to start building the appropriate reserve account balances.

- Communicate required training opportunities for Board Members in effort to attain District of Distinction Certification (*Meets Strategic Focus Areas - E.4.b and E.4.c*),

ONGOING: The General Manager and Board Clerk will continue to communicate training opportunities to the Board of Directors.

- Cameron Park Lake fees research and analysis for 2022-23 budget (*Meets Strategic Focus Areas - E.1.a and E.3.e*).

UPDATE: Staff have completed the RFP process for an automated parking entry system and will be bring this item to the Board early in the calendar year. The system would eliminate the need for a manned kiosk staffed and maximize revenue from vehicle parking at Cameron Park Lake

Strategic Plan 2021-2026: Strategic Focus Areas

- **E.1 Financial Stability:** Our objective in the area of finance is to ensure the long-term fiscal health of the District. To do this, our strategy is to utilize best accounting practices and tools, conduct practical and realistic financial forecasting, seek optimal revenue sources, and acknowledge available financial resources to support the District vision and services.
 - **E.1.a** Develop and implement an annual budget that is operationally balanced and allocates appropriate funds to preserve and improve the District's assets.
 - **E.1.b** Annually update a 5-year budget projection.
 - **E.1.c** Develop a funding plan for capital asset reserves and long term obligations.
- **E.3 Create Community:** Our objective is to provide positive, memorable experiences and establish strong relationships with residents. Our strategy is to create a feeling of community through caring service delivery and programs that meet the changing needs of the community.
 - **E.3.e** Examine benefits/constraints of charging entry fees at Cameron Park Lake.
- **E.4 Good Governance:** Our objective is for the Board of Directors to be a cohesive and effective governing board. Our strategy is to engage in continued special district education, adhere to District Board policies, follow good governance practices, and strengthen the workforce to achieve the District's Vision.
 - **E.4.b** Achieve Special District Leadership Foundation's District of Distinction certificate.
 - **E.4.c** Provide education opportunities for board members, appointed community members, residents and management staff regarding the value and

role of special districts, services provided by the District, functions of the Board of Directors and good governance practices.

CC&R Committee

- Develop uniformed fence guidelines that collaborate with the El Dorado County Fence Code (*Meets Strategic Focus Area - E.3.f*),
UPDATE: First Draft completed and presented to ARC, County and CC&R Committee. CC&R Committee has requested revisions.
- Provide a Power Point Presentation CC&R Public Workshop for residents to attend (*Meets Strategic Focus Area - E.3.f*),
UPDATE: Reviewing presentation previously used and making modifications to bring it up-to-date.
- Research and develop a short video about Common Restrictions, ARC Requirements, and Violations for District Website (*Meets Strategic Focus Area - E.3.f*),
UPDATE: No progress to report at this time. Staff has had discussion with the General Manager about how to proceed with a video program.
- Collaborate with Apartment community management groups to improve curb appeal (*Meets Strategic Focus Area - E.3.f*).
COMPLETED and UPDATE: Completed the main objective. The Cambridge Gateway of Country Club Gardens is complete, and coordination continues with management. – Knollwood Court has been improved and Cal Fire is helping with weed abatement. Country Club apartments have had nuisance items abated. Cambridge Road inspections are completed and currently running through violation processes for those residents that need to make curb appeal improvements.

Strategic Plan 2021-2026: Strategic Focus Areas

- **E.3 Create Community:** Our objective is to provide positive, memorable experiences and establish strong relationships with residents. Our strategy is to create a feeling of community through caring service delivery and programs that meet the changing needs of the community.
 - **E.3.f** To maintain an attractive, welcoming community, the CC&R office will update its processes and services in alignment with industry standards, and focus on education and engagement with residents to achieve residential compliance.

Fire & Emergency Services Committee

- Complete education and fuel reduction projects funded by the California Climate Investment grant and identify plan and funding for continued maintenance efforts (*Meets Strategic Focus Areas - E.2.a and E.2.e*),
COMPLETE: The CCI grant has been completed. **ONGOING:** Continuing to seek grants to fund fuels reduction in the District and foster agency collaborations for continuing maintenance efforts.
- Continue to apply for grants that will fund Fire Department equipment and programs (*Meets Strategic Focus Area - E.2.e*),
ONGOING: The Fire Department continues to seek grant funding opportunities; a Battalion Chief is working with a grant writer to identify grants for which Cameron Park Fire Department may qualify.
- Work to implement a First Responder Fee to support Fire Department Advanced Life Support services based on the completed Nexus Study.
COMPLETE: The First Responder Fee was approved and adopted by the Board of Directors in August 2022.
- Continue with plan to make improvements of Fire Station 88 to accommodate current engine staffing and Fire Department operations (*Meets Strategic Focus Area - E.2.c*),
UPDATE: Discussions about Station 88 are ongoing in the Fire and Emergency Services Committee.
- In support of the El Dorado County Public Health Department, take an active role in the County's response to the COVID pandemic with immunizations, community education, and implementation measures, to protect the health of the Fire Department personnel and the residents they serve.
ONGOING: The Fire Department reports that they are in constant communication with County of El Dorado Public Health regarding the COVID 19 situation.
- Assist with the creation of a Fire Wise Communities in Cameron Park (*Meets Strategic Focus Area - E.2.d*),
OBJECTIVE MODIFIED: The Board received a presentation about the Firewise Communities campaign, which is a grassroots effort by residents and not a program the District can implement. The District supports these efforts to help minimize wildfire threats to Cameron Park and the Fire Department has been working with the Fire Safe Council to support the Firewise Communities program.
- Continue the education of the public on the importance of weed abatement and fuels reduction (*Meets Strategic Focus Areas - E.2.d and E.2.f*).
COMPLETE: Staff have added Fire Prevention Update as a regular item to the Fire and Emergency Services Committee agenda, which is intended to keep the topic of fire prevention, especially as it pertains to weed abatement and fuels reduction, as

an ongoing discussion. Also, the Fire Department staff are active participants in public meetings and workshops of the Greater Cameron Park Fire Safe Council. **UPDATE:** The Fire Department will begin the process of updating the District's weed abatement ordinance beginning in January 2023.

Strategic Plan 2021-2026: Strategic Focus Areas

- **E.2 Fire Wise Community:** Our objective is to create a Fire Wise Community and to provide a high level of fire protection and advanced life support services to the residents. Our strategy is to educate property owners, seek community involvement, and actively implement the District's Weed and Rubbish Abatement Ordinance to reduce fire fuels in the community.
 - **E.2.a** Complete the education and fuels reduction projects funded by the California Climate Investment Grant, which includes working with the El Dorado County Department of Transportation, to establish clearance along major roadways.
 - **E.2.c** Work on the expansion and improvement of Fire Station 88, for the wellbeing of fire station personnel.
 - **E.2.d** Achieve national recognition as a Fire Wise Community which enables benefits to residents with homeowner insurance policies
 - **E.2.e** Seek grants that will support fire protection and advanced life support services, and fuels reduction efforts.
 - **E.2.f** Continue to implement the District's Weed and Rubbish Abatement Ordinance to reduce the wildfire risk in the community.

Parks and Recreation Committee

- Continue the implementation for a Splash Pad feature at the old Swimming Lagoon site and determine funding options to minimize impact on the general fund (*Meets Strategic Focus Area E.3.a*)
UPDATE: Callander Associates completed construction documents and the District is awaiting confirmation of final approval from El Dorado County; Contract Specifications are under review and can be released as an RFP to secure a contractor once the District receives its permit from El Dorado County.
- Develop a park entry sign program to clearly identify each park as a Cameron Park Community Services District public park (*Meets Strategic Focus Area E.3.a*)
UPDATE: Plan presented to the Parks and Recreation Committee. Need to develop a funding program to implement the plan.

- Develop viable options to better manage parking at Cameron Park Lake (*Relates to Strategic Focus Area E.3.e*),
UPDATE: The Parks Division has been utilizing the west side of the lake to allow overflow parking for special events. Staff have completed the RFP process and have selected a vendor for the purchase and installation of a parking entry management system. Funds for this project will need to be allocated.
- Research and assess the need for inclusion services for Recreation Programs (*Relates to Strategic Focus Area E.3.c*),
UPDATE: Initial research about community demographics regarding school-age children with disabilities completed in June of 2022. In December of 2022, staff submitted a project proposal for the Community Integration and Social Inclusion Grant through the Alta Regional Center, and it is expected to receive a status notification in January. Also, the Recreation Supervisor applied for and received a scholarship for an Inclusion Recreation Specialist Certification course through the National Inclusion Project that will begin in January 2023.
- Research and develop shade options for pool deck.
UPDATE: No progress to report at this time.

Strategic Plan 2021-2026: Strategic Focus Areas

- **E.3 Create Community:** Our objective is to provide positive, memorable experiences and establish strong relationships with residents. Our strategy is to create a feeling of community through caring service delivery and programs that meet the changing needs of the community.
 - **E.3.a** Secure funding and implement priority projects outlined in the 2020 Park Improvement Plan and a park sign program
 - **E.3.c** Seek feedback, especially reaching out to under-served areas of the community, to assess effectiveness of District services and plan for improvements. Look for process efficiencies with technology.
 - **E.3.e** Examine benefits/constraints of charging entry fees at Cameron Park Lake

Fiscal Impact: None for developing a Work Plan

Recommendation: Staff recommends that the Board President provide direction to the General Manager and Committee Chairs to begin the development of the 2023 District Work Plan.

Agenda Transmittal

DATE: December 19, 2022

FROM: André Pichly, General Manager
Dusty Martin, Fire Chief
Clint Seibert, Battalion Chief
Kalan Richards, Battalion Chief
Jason Epperson, District Counsel

AGENDA ITEM #13: TYPE III ENGINE REPLACEMENT

RECOMMENDED ACTION: APPROVE RESOLUTION 2022-38 TO AUTHORIZE THE GENERAL MANAGER TO ENTER INTO A CONTRACT WITH GOLDEN STATE FIRE APPARATUS, INC. TO PURCHASE A TYPE III FIRE ENGINE MODEL 34 IN THE AMOUNT OF \$394,599.68 AND FUND SAID PURCHASE THROUGH FUND 07.

Introduction

The goal of the Cameron Park Fire Department is to have two type III Engines. These engines are available for response within our community and provide regional wildland fire protection. Fire apparatus need to exceed the standards of commercial and private vehicles; higher standards ensure public safety in the district. Cameron Park has two type III engines; one is currently in need of replacement. In addition to increasing the efficiency of the fire department the type III engines contribute to the department's budget with local rental agreements.

Background

Our current type III Engines include Engine 389 and Engine 388. Engine 389 is 21 years old and has 81,006 miles; Engine 388 is 11 years old and has 53,177 miles. The National Fire Protection Agency (NFPA) standards recommend the replacement of frontline engines at 10-15 years. Following (NFPA) standards reduces the amount of time the engine is out of service for maintenance, ensures modern safety features are built in, and greater operational effectiveness. Engine 389 is currently past the recommended replacement standard. Engine 389's age poses some challenges. One of the challenges is parts are hard to find; Engine 389 is often out of service due to replacement parts delays. When the engine is out of service it cannot be hired under a Rental Agreement. Safety is of high value, and Engine 389 is not equipped with modern safety features such as airbags. Table 1 shows NFPA's proposed replacement schedule.

Table1: proposed replacement schedule per NFPA standards:

Engine	Type	Year purchased	Replacement year (front line)	25-year Replacement Schedule(reserve)	10-year replacement date
E389	III	2001	2016	2026	2011
E289	I	2006	2021	2031	2016
E288	I	2006	2021	2031	2016
E388	III	2011	2026	2036	2021
E89	I	2015	2030	2040	2025
E88	I	2020	2035	2045	2030

Replacement schedule for utility vehicles:

Utility	Type	Year Purchased	15-year Replacement Schedule	10-year replacement date
U289	Ford	2010	2025	2020
U89	Ford	2010	2025	2020
U88	Ford	2014	2029	2024
B2715	Ford	2019	2034	2029
B2705	Ford	2019	2034	2029

Useful life Definition:

The applicable standards used by the fire service relating to fire apparatus are the National Fire Protection association (NFPA) 1901. According to the NFPA 1901 Standard (2016 Ed.) Annex D Guidelines for First Line and Reserve Fire Apparatus:

According to the National Fire Protection Agency (NFPA), the expected useful life of front-line engines is generally 10 to 15 years, and the expected useful life of frontline trucks is at least 15 years. The NFPA adds that once equipment has reached the end of its frontline service, it can be maintained in the reserve fleet until it is no more than 25 years old.

“To maximize firefighter capabilities and minimize risk of injuries, it is important that fire apparatus be equipped with the latest safety features and operating capabilities. In the last 10 to 15 years, much progress has been made in upgrading functional capabilities and improving the safety features of fire apparatus. Apparatus more than 15 years old might include only a few of the safety upgrades required by the recent editions of the NFPA fire department apparatus standards. Because the changes, upgrades, and fine tuning of NFPA 1901 have been truly significant, especially in the

area of safety, fire departments should seriously consider the value (or risk) to firefighters of keeping fire apparatus more than 15 years in first-line service.”

“It is a generally accepted fact that fire apparatus, like all types of mechanical devices, have a finite life. The length of that life depends on many factors, including vehicle mileage and engine hours, quality of preventative maintenance program, quality of driver training program and rules enforcement, whether the vehicle was used within the design parameters, whether the fire apparatus was manufactured on a custom or commercial chassis, quality of workmanship by the original manufacturer, quality of the components used, and availability of replacement parts, to name a few.”

Purchasing:

There are two purchasing options from Golden State Fire Apparatus, Inc. Option A and B. Option A is pre-payment; option B is paying upon delivery of the apparatus (refer to Golden State Fire Apparatus, Inc. attachment 13.A for specific costs). It will take a minimum of 24 months to receive the engine once the CSD enters the purchasing contract. Using the same specifications and vendor as the current CAL FIRE type III Engines offers the district a discounted cost.

Golden State Fire Apparatus, Inc. made errors in the current quote/contract, resulting in a lower bid and an incorrect expiration date. Based on previous quotes and phone conversations with the Golden State Fire Apparatus, Inc. sales representative, staff believe this amount is approximately \$60,000.00 less. Golden State Fire Apparatus, Inc. has agreed to honor this mistake and price until December 31, 2022. In addition to the significant savings due to the quote error on Golden State Fire Apparatus, Inc. behalf, staff also believe that the cost of the new engine will be offset by future rental income (see attached worksheets for rental income and fund 07 balances and averages).

It should be noted that each agreement (Option A and Option B) defines under section 1 when payment must be made. Each also says under section 6 that if the contract is cancelled then the District still owes 10% of the purchase price if cancellation is after the contract is executed, or 20% or 50% if cancelled at later times (defined in section 6).

The following tables are:

- Last four fiscal year rental income.
- Time out of service for maintenance.
- Equipment needed for new engine.
- Quotes for buying a new engine.

Engine 389



Last 3 years income from rentals Type III

E388			
FY 22-23	\$	82,400.65	
FY 21-22	\$	150,142.85	
FY 20-21	\$	141,085.45	\$ 373,628.95
E389			Total
FY 22-23	\$	65,327.91	\$603,432.16
FY 21-22	\$	26,716.80	
FY 20-21	\$	\$137,758.50	\$229,803.21

Total rental income Last 3 years on all equipment:

Fiscal year	Total
FY22/23	\$256,573.44
FY 21/22	\$259,393.55
FY 20/21	\$336,467.95

Cost of maintenance per Engine:

- New tires for E388 2,200.00 per year.
- New tires for E389 1,400.00 per year.
- FY 2020/2021 E388 had an accident on an incident, parts came out of the budget.

Fiscal Year	Engine 388	Engine 389	Year Total
2016/2017	\$4,275.29	\$2,510.84	\$6,786.13
2017/2018	\$1,615.73	\$339.93	\$1955.66
2018/2019	\$0	\$4,304.85	\$4,304.85
2019/2020	\$0	\$2772.68	\$2772.68

2020/2021	\$10,835.73	\$1,823.68	\$12,659.41
2021/2022	\$4,159.13	\$4,615.28	\$8,774.41
2022/2023	\$2,347.21	\$1,854.84	\$4,202.05
Grand total	\$23,233.09	\$15,449.42	\$38,682.51
Average Per Year	\$3,319.01	\$2,207.06	\$5,526.07

Engine down time:

The cost of maintenance does not fully illustrate the cost of an engine being out of service. Some of the maintenance costs are reduced by having CAL FIRE Amador - El Dorado Unit mechanics perform repairs and service. While the actual cost of this is challenging to track, we can quantify lost revenue due to mechanical issues and periods of time the engine is out of service. E389 makes roughly \$2,052.32 a day when rented on incidents or to cover CAL FIRE stations. When it is put out of service for maintenance this is time lost. A new engine would reduce this time lost due to waiting on parts, maintenance times, and other mechanical issues. Just this year, E389 was out of service for over 14 days (\$28,732.48 in lost revenue).

Equipment needed:

This is the cost of all necessary equipment to outfit a new engine. Most of the equipment from the engine being replaced will work on the new engine. The cost will be lower for equipment but there will be some associated costs for new equipment.

Total amount of equipment for a new engine.

CATERGORY	TOTAL PRICE
Appliances	\$8,345.30
MEDICAL	\$6,863.04
RESCUE	\$16,709.78
HOSE	10,764.25
HANDTOOLS	\$2,807.33
POWERTOOLS	\$1,670.93
MISCELLANIOUS	\$5,491.60
Grand Estimated Cost	\$52,652.23

Items need to purchase after moving over old equipment:

ITEM	# Of	Price per item	Vendor	Total Price
Camelbak Squadbak 25L	2	\$320.58	amazon	\$641.16
Metal clip board	2	18.99	Amazon	\$38.00
Gas Clip multi gas monitor	1	\$709.99	amazon	\$709.99
vehicle lock out kit	1	\$87.72	Amazon	\$87.72
Lock out tag out kit	1	\$139.99	Amazon	\$139.99
Elevator kit	1			
Rtic back pack cooler	1	\$183.99	Amazon	\$183.99
Rtic cooler 45 quart	1	\$239.99	Amazon	\$239.99
streamlight stinger w/ charger	2	\$155.64	Amazon	\$311.28
streamlight vulcan w/ charger	2	\$179.20	amazon	\$358.40
Garmin 64 hard case	1	\$16.99	Amazon	\$16.99
Garmin screen protector	1	\$7.85	amazon	\$7.85
Garmin 64 xs w/ maps	1	\$355.24	amazon	\$355.24
Kestrel 3000	1	\$159.00	Amazon	\$159.00
20 lb extinguisher	1	\$196.80	All Star	\$196.80
2.5 gal water extinguisher	1	\$166.80	All Star	\$166.80
Honda pump acc. Kit	1	\$238.00	All Star	\$238.00
Stop/slow signs	2	\$49.20	All Star	\$98.40
Gosport salvage cover 12x18	3	\$222.00	All Star	\$666.00
Gosport hall runner 3x18	2	\$56.40	All Star	\$112.80
Gosport carry all	1	\$76.80	All Star	\$76.80
Jim-gem belt weather kit	1	\$177.60	All Star	\$177.60
Flare alert strobe beacon	1	\$139.20	All Star	\$139.20
drip torch (RED)	2	\$184.80	All Star	\$369.60
GRAND TOTAL FOR THIS PAGE				\$5,491.60

Fiscal Impact: The total cost of this proposal includes two options for the Board of Directors to choose from. Option A of \$385,555.29 requires pre-payment. Option B of \$394,599.68 option B is paying upon delivery of the apparatus. Staff is recommending Option B.

Recommended Action: Approve Resolution 2022-38 and authorize the General Manager to enter into a contract with Golden State Fire Apparatus, Inc. to purchase a Type III Fire Engine Model 34 in the amount of \$394,599.68 paying upon delivery of the apparatus and fund said purchase through Fund 07.

Attachments

13.a – Type III Fire Engine Purchase Contract with Options for Cameron Park

13.b - Resolution 2022-38

13.c – Equipment Rental History

13.d – FY 2021/2022 Fund 7 Expenses

13.e – Fire Truck Lease-Purchase schedule for E88





FIRE TRUCKS

PRODUCT
PROPOSAL

Exhibit "A"

OPTION A

100% Pre-Payment or Lease Purchase

This will be the price of the Product(s) contingent upon the Customer paying 100% of the Grand Total to GSFA within 15 days of Contract Signing (or issuance of Purchase Order).

This discount is also available contingent upon a 3rd Party (Leasing Company) paying 100% of the Grand Total on behalf of the Customer within 15 days of Contract Signing (or issuance of Purchase Order).



**GOLDEN
STATE**
FIRE APPARATUS

PROPOSAL PREPARED FOR

Cameron Park C.S.D.
BME Fire Trucks, LLC.
4X4 International Type 3 Model 34
Engine, item # W3-M34D-1

November 1, 2022

SALES CONSULTANT

Brad Hansen
Golden State Fire Apparatus, Inc.
7400 Reese Road
Sacramento, CA 95828
916.869.6072 Cell
brad@goldenstatefire.com

PARTS, SERVICE & SUPPORT

Golden State Emergency Vehicle Service, Inc.
7400 Reese Road
Sacramento, CA 95828
916.330.1638 Office
parts@goldenstatefire.com

PROPOSAL PREPARED FOR:

Cameron Park Community Services District
2502 Country Club Drive
Cameron Park, CA 95682

Submitted Date:	November 1, 2022
Proposal Number:	101101-22A
<i>Expiration Date:</i>	<i>December 31, 2022</i>
Sales Consultant:	Brad Hansen

We hereby propose and agree to furnish, after your acceptance of this proposal and the proper execution by the CAMERON PARK COMMUNITY SERVICES DISTRICT, hereinafter called "Customer" and an officer of Golden State Fire Apparatus, Inc., hereinafter called "GSFA", the following fire apparatus and equipment, hereinafter called "Product":

#	Description	Unit Price
A	One (1) BME Fire Trucks, LLC 4X4 International Type 3 Model 34 Engine, item # W3-M34D-1 (CAL FIRE Tag-On per State Contract No. 1-22-23-21B, Supplement 1)	367,915.32
B	<i>Pre-Payment Discount for 100% Payment at Time of Order</i>	<i>(8,433.00)</i>
C	SUBTOTAL	359,482.32
D	7.25% State Sales Tax	26,062.47
E	California Tire Fee	10.50
F	GRAND TOTAL	385,555.29



FIRE TRUCKS

PRODUCT COMPLETION

Product shall be built in accordance with the specifications hereto attached, delays due to acts of God, strikes, war, or intentional conflict, failures to obtain chassis, materials, unusual weather conditions or other causes beyond GSFA's control not preventing, within approximately **205 to 385 CALENDAR DAYS AFTER RECEIPT OF CHASSIS AT THE BME FIRE TRUCKS, LLC FACTORY** and after receipt of this order and the acceptance thereof at our Sacramento, California office.

Due to global supply chain constraints, any production completion date contained herein is a good faith estimate as of the date of this order, and merely an approximation based on current information. Product completion updates will be provided when available.

Within thirty (30) calendar days after receipt of this order and acceptance thereof, GSFA shall submit to Customer a production schedule including tentative pre-construction conference, final inspection and final delivery dates.

DELIVERY LOCATION

Product shall be shipped in accordance with the specifications hereto attached and be delivered to you at **CAMERON PARK, CALIFORNIA**. Proof of insurance must be demonstrated by the Customer to GSFA prior to transferring of the Product(s).

ACCEPTING THIS PROPOSAL

In the event Customer wishes to purchase the Product described in this Proposal and the attached specifications, then, prior to the expiration date listed on page 2 of this Proposal, Customer shall sign and return this Proposal. Thereafter, GSFA and Customer will endeavor to enter into a purchase agreement incorporating this Proposal and including additional terms (a "Purchase Agreement"). If Customer returns a signed copy of this Proposal alone, GSFA will send Customer its form of Purchase Agreement for Customer's review and signature. **If Customer desires to use its standard form of purchase order as the Purchase Agreement, then Customer should return a signed copy of this Proposal along with a copy of such purchase order. All purchase orders shall be made out to GSFA.** GSFA will review such purchase order and contact the Customer regarding any required revisions. Only upon a full execution of a Purchase Agreement shall GSFA and Customer be obligated to purchase and sell the Product set forth in this Proposal.

TERMS AND CONDITIONS

The following Terms and Conditions are hereby made part of this Proposal:

1. Payment Terms (100% Pre-Payment at Time of Order) - Customer shall pay the amount listed on page one of this Proposal, which includes: (i) the total price for the Product (the "Purchase Price"), (ii) the estimated state sales tax on the Product, and (iii) the California tire fee (together with the Purchase Price and estimated state sales tax, the "Grand Total") within fifteen (15) calendar days from the date on which the Purchase Agreement is fully executed. The proposed delivery timeframe for the Product, which is outlined on page one of this Proposal, shall not begin until full payment of the Grand Total is received. In the event Customer does not pay GSFA the Grand Total in the timeframe set forth in this Section 1, GSFA may, in its sole discretion, cancel the Purchase Agreement entered into between the parties.

2. Commercial Chassis Price Volatility - GSFA shall not be responsible for any commercial chassis price increase or surcharge enacted by a commercial chassis Original Equipment Manufacturer (OEM) after the execution of contract or issuance of Purchase Order. Any commercial chassis price increase or surcharge will be passed through to the Customer at cost and will be documented in writing on a Change Order. Customer shall pay any commercial chassis price increase or surcharge prior to final delivery or pick up to Customer location.

3. Stock / Demo Units - If applicable, any stock/demo units, including those identified by this Proposal, are available for sale on an as-is, first-come and first served-basis. Regardless of this Proposal, the first Customer to enter into a Purchase Agreement identifying any such stock/demo units shall obtain said units.

4. Order Changes - The Customer may request that GSFA incorporate a change to the Product or the Specifications for the Product by delivering a written change order to GSFA, which shall include a description of the proposed change sufficient to permit GSFA to evaluate the feasibility of such change (a "Change Order"). GSFA will provide Customer a written response (a "Response") stating (i) whether GSFA will accommodate such Change Order (which GSFA may decide in its sole and absolute discretion) and (ii) the terms of the modification to the order, including any increase or decrease in the Purchase Price resulting from such Change Order, and any effect on production scheduling or Delivery resulting from such Change Order. Customer shall have seven (7) days after receipt of the Response to notify GSFA as to whether Customer desires to make the changes GSFA has approved in the Response. In the event Customer counter-signs GSFA's Response, Customer shall pay the increase (or be refunded the decrease) in the Purchase Price prior to final delivery to Customer location.

5. Force Majeure - GSFA shall not be responsible nor deemed to be in default on account of delays in performance due to causes which are beyond GSFA's and manufacturer's control and which make GSFA's performance impracticable, including but not limited to wars, insurrections, strikes, riots, fires, storms, floods, other acts of nature, explosions, earthquakes, accidents, any act of government, delays in transportation, inability to obtain necessary labor supplies or manufacturing facilities, allocation regulations or orders affecting materials, equipment, facilities or completed products, failure to obtain any required license or certificates, acts of God or the public enemy or terrorism, failure of transportation, epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their contracts or labor troubles causing cessation, slowdown, or interruption of work.

6. Cancellation/Termination - In the event Customer and GSFA enter into a Purchase Agreement and Customer thereafter cancels or terminates the Purchase Agreement, GSFA will charge a cancellation fee as follows: (a) 10% of the Purchase Price after order is accepted and entered by GSFA; (b) 20% of the Purchase Price after completion of the pre-construction phase of the order process; and (c) 50% of the Purchase Price after the requisition of any materials or commencement of any manufacturing or assembly of the Product by either GSFA or the manufacturer of the Product. The tier of cancellation fee applicable to any cancellation shall be in the sole and absolute discretion of GSFA.

7. State Sales Tax - Customer shall be responsible for the cost of state sales tax associated with, or attributable to the Product. The taxes owed by Customer for the Product is subject to adjustment for the applicable state sales tax rate in effect when the Product is delivered to the Customer. Therefore, the sales tax will be increased or decreased at the time of delivery if a change in the sales tax rate has occurred, in which case Customer shall pay GSFA (or be refunded by GSFA) the applicable change in sales tax.

8. Proposal Expiration - After the Expiration Date shown on page one of this Proposal, Customer shall require GSFA's written consent to accept this Proposal.

9. Governing Law - This Proposal is to be governed by and under the laws of the state of California.

Thank you for providing Golden State Fire Apparatus, Inc. with the opportunity to provide this proposal. If you have any questions regarding the options presented or need additional options, please contact me.

Sincerely,



Brad Hansen
Golden State Fire Apparatus, Inc.

I, _____ authorized representative of CAMERON PARK COMMUNITY SERVICES DISTRICT agrees to purchase the proposed Product(s) and agree to the terms and conditions of this proposal and the specifications hereto attached.

SIGNATURE: _____

TITLE: _____ DATE: _____

OPTION B

Payment at Time of Delivery or Pickup

This will be the price of the Product(s) contingent upon the Customer paying 100% of the Grand Total to GSFA at time of delivery or pick up



**GOLDEN
STATE**
FIRE APPARATUS

PROPOSAL PREPARED FOR

Cameron Park C.S.D.
BME Fire Trucks, LLC.
4X4 International Type 3 Model 34
Engine, item # W3-M34D-1

November 1, 2022

SALES CONSULTANT

Brad Hansen
Golden State Fire Apparatus, Inc.
7400 Reese Road
Sacramento, CA 95828
916.869.6072 Cell
brad@goldenstatefire.com

PARTS, SERVICE & SUPPORT

Golden State Emergency Vehicle Service, Inc.
7400 Reese Road
Sacramento, CA 95828
916.330.1638 Office
parts@goldenstatefire.com

PROPOSAL PREPARED FOR:

Cameron Park Community Services District
2502 Country Club Drive
Cameron Park, CA 95682

Submitted Date:	November 1, 2022
Proposal Number:	101101-22B
<i>Expiration Date:</i>	<i>December 31, 2022</i>
Sales Consultant:	Brad Hansen

We hereby propose and agree to furnish, after your acceptance of this proposal and the proper execution by the CAMERON PARK COMMUNITY SERVICES DISTRICT, hereinafter called "Customer" and an officer of Golden State Fire Apparatus, Inc., hereinafter called "GSFA", the following fire apparatus and equipment, hereinafter called "Product":

#	Description	Unit Price
A	One (1) BME Fire Trucks, LLC 4X4 International Type 3 Model 34 Engine, item # W3-M34D-1 (CAL FIRE Tag-On per State Contract No. 1-22-23-21B, Supplement 1)	367,915.32
B	7.25% State Sales Tax	26,673.86
C	California Tire Fee	10.50
D	GRAND TOTAL	394,599.68



FIRE TRUCKS

PRODUCT COMPLETION

Product shall be built in accordance with the specifications hereto attached, delays due to acts of God, strikes, war, or intentional conflict, failures to obtain chassis, materials, unusual weather conditions or other causes beyond GSFA's control not preventing, within approximately **205 to 385 CALENDAR DAYS AFTER RECEIPT OF CHASSIS AT THE BME FIRE TRUCKS, LLC FACTORY** and after receipt of this order and the acceptance thereof at our Sacramento, California office.

Due to global supply chain constraints, any production completion date contained herein is a good faith estimate as of the date of this order, and merely an approximation based on current information. Product completion updates will be provided when available.

Within thirty (30) calendar days after receipt of this order and acceptance thereof, GSFA shall submit to Customer a production schedule including tentative pre-construction conference, final inspection and final delivery dates.

DELIVERY LOCATION

Product shall be shipped in accordance with the specifications hereto attached and be delivered to you at **CAMERON PARK, CALIFORNIA**. Proof of insurance must be demonstrated by the Customer to GSFA prior to transferring of the Product(s).

ACCEPTING THIS PROPOSAL

In the event Customer wishes to purchase the Product described in this Proposal and the attached specifications, then, prior to the expiration date listed on page 2 of this Proposal, Customer shall sign and return this Proposal. Thereafter, GSFA and Customer will endeavor to enter into a purchase agreement incorporating this Proposal and including additional terms (a "Purchase Agreement"). If Customer returns a signed copy of this Proposal alone, GSFA will send Customer its form of Purchase Agreement for Customer's review and signature. **If Customer desires to use its standard form of purchase order as the Purchase Agreement, then Customer should return a signed copy of this Proposal along with a copy of such purchase order. All purchase orders shall be made out to GSFA.** GSFA will review such purchase order and contact the Customer regarding any required revisions. Only upon a full execution of a Purchase Agreement shall GSFA and Customer be obligated to purchase and sell the Product set forth in this Proposal.

TERMS AND CONDITIONS

The following Terms and Conditions are hereby made part of this Proposal:

1. Payment Terms (Payment at Time of Delivery or Pick-Up) – Customer shall pay the Grand Total at time of delivery or pick up of the Product to GSFA. It is the responsibility of the Customer to have full payment ready when the Product is complete and ready to deliver or pick up. If payment is late or delivery is delayed pending payment, a daily finance charge of \$150.00 and a daily storage fee of \$50.00 may apply until such payment is received. Due to insurance liability, the Product(s) will not be left at the Customer's location without full acceptance and payment or prior written agreement between the Customer and GSFA.

2. Commercial Chassis Price Volatility – GSFA shall not be responsible for any commercial chassis price increase or surcharge enacted by a commercial chassis Original Equipment Manufacturer (OEM) after the execution of contract or issuance of Purchase Order. Any commercial chassis price increase or surcharge will be passed through to the Customer at cost and will be documented in writing on a Change Order. Customer shall pay any commercial chassis price increase or surcharge prior to final delivery or pick up to Customer location.

3. Stock / Demo Units – If applicable, any stock/demo units, including those identified by this Proposal, are available for sale on an as-is, first-come and first served-basis. Regardless of this Proposal, the first Customer to enter into a Purchase Agreement identifying any such stock/demo units shall obtain said units.

4. Order Changes – The Customer may request that GSFA incorporate a change to the Product or the Specifications for the Product by delivering a written change order to GSFA, which shall include a description of the proposed change sufficient to permit GSFA to evaluate the feasibility of such change (a "Change Order"). GSFA will provide Customer a written response (a "Response") stating (i) whether GSFA will accommodate such Change Order (which GSFA may decide in its sole and absolute discretion) and (ii) the terms of the modification to the order, including any increase or decrease in the Purchase Price resulting from such Change Order, and any effect on production scheduling or Delivery resulting from such Change Order. Customer shall have seven (7) days after receipt of the Response to notify GSFA as to whether Customer desires to make the changes GSFA has approved in the Response. In the event Customer counter-signs GSFA's Response, Customer shall pay the increase (or be refunded the decrease) in the Purchase Price prior to final delivery to Customer location.

5. Force Majeure – GSFA shall not be responsible nor deemed to be in default on account of delays in performance due to causes which are beyond GSFA's and manufacturer's control and which make GSFA's performance impracticable, including but not limited to wars, insurrections, strikes, riots, fires, storms, floods, other acts of nature, explosions, earthquakes, accidents, any act of government, delays in transportation, inability to obtain necessary labor supplies or manufacturing facilities, allocation regulations or orders affecting materials, equipment, facilities or completed products, failure to obtain any required license or certificates, acts of God or the public enemy or terrorism, failure of transportation, epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their contracts or labor troubles causing cessation, slowdown, or interruption of work.

6. Cancellation/Termination – In the event Customer and GSFA enter into a Purchase Agreement and Customer thereafter cancels or terminates the Purchase Agreement, GSFA will charge a cancellation fee as follows: (a) 10% of the Purchase Price after order is accepted and entered by GSFA; (b) 20% of the Purchase Price after completion of the pre-construction phase of the order process; and (c) 50% of the Purchase Price after the requisition of any materials or commencement of any manufacturing or assembly of the Product by either GSFA or the manufacturer of the Product. The tier of cancellation fee applicable to any cancellation shall be in the sole and absolute discretion of GSFA.

7. State Sales Tax – Customer shall be responsible for the cost of state sales tax associated with, or attributable to the Product. The taxes owed by Customer for the Product is subject to adjustment for the applicable state sales tax rate in effect when the Product is delivered to the Customer. Therefore, the sales tax will be increased or decreased at the time of delivery if a change in the sales tax rate has occurred, in which case Customer shall pay GSFA (or be refunded by GSFA) the applicable change in sales tax.

8. Proposal Expiration – After the Expiration Date shown on page one of this Proposal, Customer shall require GSFA's written consent to accept this Proposal.

9. Governing Law – This Proposal is to be governed by and under the laws of the state of California.

Thank you for providing Golden State Fire Apparatus, Inc. with the opportunity to provide this proposal. If you have any questions regarding the options presented or need additional options, please contact me.

Sincerely,



Brad Hansen
Golden State Fire Apparatus, Inc.

I, _____ authorized representative of CAMERON PARK COMMUNITY SERVICES DISTRICT agrees to purchase the proposed Product(s) and agree to the terms and conditions of this proposal and the specifications hereto attached.

SIGNATURE: _____

TITLE: _____ DATE: _____



FIRE TRUCKS

PRODUCT SPECIFICATIONS

Exhibit "B"

BME Fire Trucks LLC



FIRE TRUCKS

for

CAMERON PARK FIRE

"CAL-FIRE" MODEL 34

SPECIFICATIONS ARE SUBJECT TO CHANGE PENDING ENGINEERING

BME Fire Trucks LLC

DETERMINATION OF APPARATUS WEIGHT

BME Fire Trucks, LLC. shall submit estimated "in-service" weight analysis required by applicable NFPA standards. This Excel computer weight analysis shall break down all major components of the apparatus and shall show the impact on percentage-of-load on the front and rear axles, total weight, and weight on each tire set.

The analysis shall evenly distribute the NFPA required minimum payload allowance or estimated equipment payload as provided by the purchaser into the specified compartments. The allowance for personnel, hose loads, water and foam fluids, and required NFPA equipment shall be outlined individually in the analysis and placed on the apparatus in its specific intended position.

CENTER-OF-GRAVITY ANALYSIS

BME Fire Trucks, LLC. shall perform an estimated center of gravity calculation as required by the applicable section of NFPA standards. This calculation shall include tilt angles, the estimated right to left load distribution, and load on each axle, including all specified major components.

LOW VOLTAGE TEST REQUIRMENTS

The fire apparatus low voltage electrical system shall be tested as required by this section and the test results shall be certified by the apparatus manufacturer. The certification shall be delivered to the purchaser with the documentation for the completed apparatus. The tests shall be performed when the air temperature is between 0 degrees Fahrenheit and 110 degrees Fahrenheit.

TEST SEQUENCE

The three tests defined below shall be performed in the order in which they appear. Before each test, the chassis batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. The failure of any of these tests shall require a repeat of the test sequence.

RESERVE CAPACITY TEST

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

ALTERNATOR PERFORMANCE TEST AT IDLE

BME Fire Trucks LLC

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

ALTERNATOR PERFORMANCE TEST AT FULL LOAD

The total continuous electrical load shall be applied with the chassis engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two hours. The activation of the electrical system load management system shall be permitted during this test. The activation of an alarm due to excessive chassis battery discharge, as detected by the system required by NFPA (current edition), or an electrical system voltage of less than 11.8 volts direct current for a 12 volt direct current nominal system, for more than 120 seconds, shall be considered a failure of this test.

LOW VOLTAGE ALARM TEST

Following the completion of the tests described above, the chassis engine shall be turned off. With the chassis engine turned off, the total continuous electrical load shall be applied and shall continue to be applied until the excessive battery discharge alarm activates. The chassis battery voltage shall be measured at the battery terminals.

The test shall be considered to be a failure if the low voltage alarm has not yet sounded 140 seconds after the voltage drops to 11.70 volts direct current for a 12 volt direct current nominal system. The chassis battery system shall then be able to restart the chassis engine. The failure of the chassis battery system to restart the chassis engine shall be considered a failure of this test.

The completed fire apparatus shall undergo a complete 12 volt electrical load and performance testing per applicable sections of NFPA standards with inspection and test sheets included in delivery documentation.

DOCUMENTATION

The apparatus manufacturer shall provide the results of the low-voltage electrical system performance test, certified in writing, with the documentation provided to the purchaser at the time of delivery of the completed apparatus.

The test results shall consist of the following documents:

- (1) Documentation of the electrical system performance tests.
- (2) A written electrical load analysis, including the following:
 - (a) The nameplate rating of the alternator.
 - (b) The alternator rating under the conditions specified in NFPA 1906 (current edition).
 - (c) Each of the component loads specified that make up the minimum continuous electrical load.

BME Fire Trucks LLC

- (d) Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load.
- (e) Each individual intermittent electrical load.

TEST RESULTS

BME Fire Trucks LLC. shall provide results of the apparatus testing and shall certify the following:

The weight of the completed apparatus, when loaded to its estimated in service weight, does not exceed the GVWR and GAWR of the chassis.

The complete unit, when loaded to its estimated in service weight, meets the weight distribution and vehicle stability requirements, as defined in the current NFPA guidelines.

The unit meets all required federal standards pertaining to the manufacturer and completion of the apparatus and a label tag has been affixed to the apparatus by the manufacturer stating same.

BME Fire Trucks LLC. shall provide all testing results, including engine, speed, acceleration, road ability, braking, and auxiliary braking to the Purchaser at the time of delivery.

DELIVERY REQUIREMENTS

The bidder shall not be responsible for delays in delivery due to strikes, acts of God, failure of suppliers to deliver, chassis shortage and other reasons beyond the reasonable control of the builder. Should BME Fire Trucks, LLC. be unable to comply with the proposed delivery date, we shall immediately contact the purchaser regarding delay information and actions to be taken by the company.

This vehicle shall be F.O.B. the BME Fire Trucks facility in Boise Idaho. Dealer shall be responsible for arrangement of delivery from factory.

GENERAL WARRANTY PROVISIONS

All materials and workmanship herein specified, including all equipment furnished, shall be guaranteed for a period of one (1) year after the acceptance date of the apparatus, unless otherwise noted, with the exception of any normal maintenance services or adjustments which shall be required. Under this warranty, BME Fire Trucks, LLC. shall be responsible for the costs of repairs to the apparatus that have been caused by defective workmanship or materials during this period.

This warranty shall not apply to the following:

- Any component parts or trade accessories such as chassis, engines, tires, pumps, valves, signaling devices, batteries, electric lights, bulbs, alternators, and all other installed equipment and accessories, in

BME Fire Trucks LLC

as much as they are usually warranted separately by their respective manufacturers, or are subject to normal wear and tear.

- Failures resulting from the apparatus being operated in a manner or for a purpose not recommended by the apparatus manufacturer.
- Loss of time or use of the apparatus, inconvenience or other incidental expenses.
- Any apparatus which has been repaired or altered without written consent or outside of the apparatus manufacturer's factory and or authorized service center in any way that affects its stability, or which has been subject to misuse, negligence, or accident.
- Delivery of the apparatus to repair site.

DISCLAIMER

NO WARRANTIES ARE GIVEN BEYOND THOSE DESCRIBED HEREIN. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY SPECIFICALLY DISCLAIMS WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OTHER REPRESENTATIONS TO THE USER/PURCHASER AND ALL OTHER OBLIGATIONS OR LIABILITIES. FURTHER, THE COMPANY EXCLUDES LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES, ON THE PART OF THE COMPANY OR SELLER. No person is authorized to give any other warranties or to assume any liabilities on the Company's behalf unless made or assumed in writing by the seller; and no other person is authorized to give any warranties or to assume any liabilities on the seller's behalf unless made or assumed in writing by the seller.

OBTAINING SERVICE

Return the vehicle to any BME Fire Trucks, LLC. dealer/authorized service center; Return the vehicle to BME Fire Trucks, LLC. or contact BME Fire Trucks, LLC.. BME Fire Trucks, LLC. shall be solely responsible for determining the extent of repair under the terms of the warranty. Transportation costs shall be the responsibility of the purchaser.

MATERIAL AND WORKMANSHIP

All equipment provided shall be guaranteed to be new and of current manufacture, and unless specified otherwise, shall meet all requirements of these specifications and prevailing NFPA documents and be in condition at time of delivery for use as specified for this type of apparatus.

BME Fire Trucks LLC

All workmanship shall be of the highest quality and accomplished in a professional manner so as to insure a functional apparatus with a high quality aesthetic appearance.

The construction shall be rugged and ample safety factors shall be provided to carry the loads specified to meet both on and off road requirements.

The apparatus shall be designed and the equipment mounted with due consideration to the distribution of load between the front and rear axles, so all specified equipment, with a full complement of personnel, can be carried without damage to the apparatus.

BODY AND STRUCTURAL WARRANTY

BME Fire Trucks, LLC. shall warrant each new apparatus body, if used in a normal and reasonable manner, against structural defects caused by defects in material, design or workmanship for a period of ten (10) years, covering parts & labor to the original purchaser which shall start on day of acceptance.

This warranty shall not apply to:

- Normal maintenance services or adjustments
- To any vehicle which will have been repaired or altered outside of our factory in any way so as, in the judgment of BME Fire Trucks, LLC., to affect it's stability, nor which has been subject to misuse, negligence, or accident, nor to any vehicle made by us which will have been operated to a speed exceeding the factory rated speed, or loaded beyond the factory rated load capacity.
- Commercial chassis and associated equipment furnished with chassis, signaling devices, generators, batteries, or other trade accessories as they are usually warranted separately by their respective manufacturers.
- Shipping costs of parts or apparatus for purposes of repair or replacement of parts. This warranty is in lieu of all other warranties, expressed or implied. All other representations as to the original purchaser and all other obligations or liabilities, including for incidental or consequential damage on the company's behalf unless made in writing by the company.

DARLEY FIRE PUMP WARRANTY

A three (3) year warranty on the Darley fire pump shall be provided. The provisions of this warranty shall be described in the completed apparatus documentation.

PLUMBING WARRANTY

The stainless steel fire pump plumbing shall carry a ten (10) year parts and labor warranty against defects in

BME Fire Trucks LLC

workmanship and perforation corrosion.

AKRON VALVE WARRANTY

The Akron valves shall carry a ten (10) year parts and labor manufacturer's warranty. Provisions of this warranty shall be provided with the completed apparatus documentation.

WATER TANK WARRANTY

The polypropylene water tank that is specified to be supplied with this apparatus shall be warranted by the water tank manufacturer for a "lifetime" period from the date that the apparatus is put into service. The tank manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing the water tank from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus.

FOAM TANK WARRANTY

The foam tank shall carry a "lifetime" warranty against defects in workmanship and perforation corrosion. The provisions of this warranty shall be provided in the delivery documentation. The tank manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing the water tank from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus.

PAINT WARRANTY

BME Fire Trucks, LLC. shall provide a seven (7) year paint warranty which shall cover peeling and/or de-lamination of the top coat and other layers of paint, cracking or checking, loss of gloss caused by cracking, checking or chalking, and any paint failure caused by defective paint materials covered by the paint manufacturer's material warranty.

CHASSIS WARRANTY

The specified chassis shall be provided with the chassis manufacturer's warranty. The exact provisions of this warranty shall be supplied with the completed apparatus documentation.

APPARATUS OPERATION MANUAL(S)

BME Fire Trucks, LLC. shall provide (2) electronic apparatus operational manual(s) on a USB thumb drive.

BME Fire Trucks LLC

APPARATUS OPERATION MANUAL(S)

BME Fire Trucks, LLC. shall provide (2) printed apparatus operational manual(s).

APPARATUS DIMENSIONS

Wheelbase: 183 inches

Cab to center of rear axle: 64.10 inches

Overall length: 323 inches (with rear fold up step stowed)

Overall main body and cab height: Not to exceed 118 inches (unloaded).

Hose bed height, floor to ground: Not to exceed 92 inches (Fully Loaded)

Crosslay height, floor to ground: Not to exceed 78 inches (Fully loaded)

Minimum pump module/running board/under cab compartment ground clearance to be 20 inches

Angle of approach: 30° (Fully loaded)

Angle of departure: 20° (Fully loaded)

CHASSIS SPECIFICATIONS

Base Chassis, Model HV507 SFA with 183.00 Wheelbase, 64.10 CA, and 65.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

AXLE CONFIGURATION {Navistar} 4x4

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL

FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL

BUMPER, FRONT Swept Back 15-Degrees, Steel, for use with Front Frame Extensions, Heavy Duty

FRAME, SPECIAL EFFECTS Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline

FRAME EXTENSION, FRONT Integral; 20" In Front of Grille

WHEELBASE RANGE 181" (460cm) Through and Including 205" (520cm)

AXLE, FRONT DRIVING {Meritor MX-12-120 EVO} Single Reduction, 12,000-lb Capacity, with Hub Piloted Wheel Mounting

BME Fire Trucks LLC

AXLE, FRONT DRIVING, LUBE {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints

SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 12,000-lb Capacity, with Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

BRAKE LINES Color and Size Coded Nylon

DRAIN VALVE Twist-Type

GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

PARKING BRAKE VALVE For Truck

QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System

AIR DRYER {Bendix AD-IP} with Heater

BRAKE CHAMBERS, POSITION Rotated Forward and Up For Maximum Ground Clearance with 4x4

BRAKE CHAMBERS, FRONT AXLE {MGM} 20 SqIn

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/36 SqIn Spring Brake

SLACK ADJUSTERS, FRONT {Haldex} Automatic

SLACK ADJUSTERS, REAR {Gunitite} Automatic

AIR COMPRESSOR {Cummins} 18.7 CFM

AIR DRYER LOCATION Mounted Inside Left Rail, Behind Transfer Case Mounting

AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Left Rail, Back of Cab, Perpendicular to Rail

BME Fire Trucks LLC

DUST SHIELDS, FRONT BRAKE for Air Cam Brakes

DRAIN VALVE (3) Petcocks, for Air Tanks

DUST SHIELDS, REAR BRAKE for Air Cam Brakes

BRAKES, REAR {Meritor 16.5X7 P} Air S-Cam Type, Cast Spider, Cast Shoe, Double Anchor Pin, Includes Greaseable and Zinc Coated Anchor Pins, Size 16.5" X 7", 38,000-lb Capacity per Axle

BRAKES, FRONT {Meritor 16.5X5 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 5", 14,700-lb Capacity

STEERING COLUMN Tilting

STEERING WHEEL 4-Spoke; 18" Dia., Black

STEERING GEAR {Sheppard M100} Power

DRIVELINE SYSTEM {Dana Spicer} SPL170 Main Driveline, 1710 Driveline to Transfer Case, SPL140 Driveline to Front Axle, for 4x4

AFTERTREATMENT COVER Polished Aluminum

EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab, for All-Wheel Drive

ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 Engines; with Selector Switch and On/Off Switch

SWITCH, FOR EXHAUST 3 Position, Momentary, Lighted Momentary, ON/CANCEL, Center Stable,

INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel

HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

BME Fire Trucks LLC

PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

STARTER SWITCH Electric, Key Operated

STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature

WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

WIRING, CHASSIS Color Coded and Continuously Numbered

CIGAR LIGHTER Includes Ash Cup

HORN, ELECTRIC (2) Disc Style

FOG LIGHTS Prewire; Includes Auxiliary Switch and Wiring to Front Bumper, for Driving Lights or Fog Lights Mounted by Customer

POWER SOURCE Cigar Type Receptacle without Plug and Cord

ALTERNATOR {Leece-Neville BLP4006HN} Brushless, 12 Volt, 325 Amp Capacity, Pad Mount, with Remote Sense

BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/ Accessory Power/Ground and Sealed Connector for Stop/Turn

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

ANTENNA for Increased Roof Clearance Applications

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input

BATTERY CABLES with 36" of Extra Length Coiled and Strapped Near Battery Box

DATA RECORDER Includes Display Mounted in Overhead Console

BME Fire Trucks LLC

STOP-LIGHT WIRING MODIFIED Stop-Lights Turned on When Engine Compression Brake, Exhaust Brake or Retarder is Activated

WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time

HORN, AIR Accommodation Package, Less Horn

BATTERY BOX Steel, with Fiberglass Cover, 2-4 Battery Capacity, Mounted Left Side Perpendicular to Frame Rail, 53" Back of Cab

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection

COURTESY LIGHT (4) Mounted In Front & Rear Map Pocket Left and Right Side

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened

INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Factory Installed or Customer Mounted Battery Disconnect Switch

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

SWITCH, AUXILIARY Switch 40 amp Circuit for Customer Use; Includes Wiring Connection at Power Distribution Center (PDC) and Control in Cab

TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted

HEADLIGHTS Halogen, with Daytime Running Lights

BME Fire Trucks LLC

FENDER EXTENSIONS Omit

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

INSULATION, UNDER HOOD for Sound Abatement

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

BUG SCREEN Mounted Behind Grille

FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV

GRILLE EMBER SCREEN Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System

PAINT SCHEMATIC, PT-1 Single Color, Design 100

PAINT SCHEMATIC ID LETTERS "WK"

PAINT IDENTITY, PT-2 Single Color, Instruction No. 936. Frame/Running Gear, Less Fuel Tanks

NOTE: Battery Box, Air Tanks, Fuel Tanks, Steps and Straps NOT Painted

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360

PROMOTIONAL PACKAGE Government Silver Package

KEYS - ALL ALIKE, ID I-1003 Compatible with Z-001

CLUTCH Omit Item (Clutch & Control)

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines

BME Fire Trucks LLC

BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

ENGINE, DIESEL {Cummins L9 350} EPA 2021, 350HP @ 2200 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 350 Peak HP (Max)

FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed

FAN Nylon

RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler

DEAERATION SYSTEM with Surge Tank

HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

RADIATOR HOSES Premium, Rubber

AIR CLEANER Dual Element

EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2022

THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)

ENGINE WATER COOLER {Sen-Dure} Auxiliary, For Use with Fire Trucks

CARB IDLE COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies with California Clean Air Regulations

CARB EMISSION WARR COMPLIANCE for Cummins L9 Engines

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines

TRANSMISSION, AUTOMATIC {Allison 3000 EVS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor

BME Fire Trucks LLC

TRANSFER CASE {Meritor MTC-4210} 2-Speed, 10,000 lb-ft Torque Rating, Less PTO Provision, Electric Over Air Control, with Lube Pump

OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type

TRANSFER CASE LUBE {EmGard 50W} Synthetic; 1 thru 14.99 Pints

TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

OIL COOLER, TRANSFER CASE with Oil Coolant Lines Routed to Oil Cooler

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS), Rescue, Ambulance, Package Number 170

SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming

PTO LOCATION Dual, Customer Intends to Install PTO at Left and/or Right Side of Transmission

AXLE, REAR, SINGLE {Meritor RS-26-185} Single Reduction, 26,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.86

SUSPENSION, REAR, SINGLE 31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Multileaf Springs

SHOCK ABSORBERS, REAR (2)

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 40 thru 49.99 Pints

DEF TANK 9.5 US Gal (36L) Capacity, Frame Mounted Outside Left Rail, Under Cab

FUEL/WATER SEPARATOR {Racor 400 Series} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine

FUEL TANK Top Draw, Non-Polished Aluminum, 26" Dia, 70 US Gal (265L), Mounted Left Side, Under Cab

AUXILIARY FUEL DRAW TUBE Located at Auxiliary Port on Fuel Tank

CAB Conventional 6-Man Crew Cab

BME Fire Trucks LLC

AIR CONDITIONER with Integral Heater and Defroster

GAUGE CLUSTER Base Level; English with English Electronic Speedometer

GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill

GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure

WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)

SEATBELT WARNING PREWIRE Includes Seat Belt Switches and Seat Sensors for all Belted Positions in the Cab and a Harness Routed to the Center of the Dash for the Aftermarket Installation of the Data Recorder and Seatbelt Indicator Systems, for 4 to 6 Seat Belts

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel, Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left and Right Side at B-Pillar

GRAB HANDLE, ADDITIONAL EXT (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, Mounted Left and Right Side, Rear of Rear Doors, for Crew Cab

SEAT, REAR {National} BENCH; Full Width; Vinyl, with Fixed Back and Two Integral Outboard Headrests

MIRRORS (2) C-Loop, Power Adjust, Heated, LED Clearance Lights, Bright Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width Mirror Dimensions are Rounded to the Nearest 0.5"

SEAT BELT All Red; 4 to 6

CAB INTERIOR TRIM Classic, for Crew Cab

CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

BME Fire Trucks LLC

DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted

SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator

HOURLY METER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch

CAB REAR SUSPENSION Air Bag Type

WINDOW, MANUAL (4) and Manual Door Locks, Front and Rear Doors, Left and Right

INSTRUMENT PANEL Flat Panel

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Crew Cab

STEP, STANDARD, OMIT Driver & Passenger Sides, Omit Rear Steps for use with Crew Cab

WHEELS, FRONT {Accuride 42644} DISC; 22.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

WHEELS, REAR {Accuride 42644} DUAL DISC; 22.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(2) TIRE, FRONT 12R22.5 Load Range H XDN2 (MICHELIN), 483 rev/mile, 75 MPH, Drive

(4) TIRE, REAR 12R22.5 Load Range H XDN2 (MICHELIN), 483 rev/mile, 75 MPH, Drive

MISCELLANEOUS SINGLE TONE CAB, White PPG #1533-001

WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

4yr/Unlimited Mile Extended Warranty Covering A/C

CAB SEATING AND WEIGHT ALLOWANCE

A warning label shall be installed in the cab to indicate seating positions for five (5) people. A weight allowance of 250 pounds shall be calculated for each person.

BME Fire Trucks LLC

LABELS, STANDARD PACKAGE SET

A standard set of labels shall be provided and installed on the inside of chassis cab area. The labels shall contain the required information based on the applicable components for the apparatus.

DATA PLAQUE

A data plaque shall be provided and installed on the inside of the driver's door. The data plaque shall contain the required information based on the applicable components for the apparatus:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Drive axle lubricant
- Power steering fluid
- Pump, generator, or other component lubrications
- Other NFPA applicable fluid levels or data as required
- Paint manufacturer, type, and color number
- Tire Speed Ratings

Location shall be in the driver's compartment or on the driver's door.

DIESEL ONLY LABEL

The fuel tank shall be labeled with a "Diesel Only" label that is green in color.

HOT EXHAUST LABEL

A "CAUTION HOT EXHAUST" label will be placed directly over the exhaust outlet on the apparatus body.

WARNING LABEL -- NO RIDING ON REAR

A warning label stating: "WARNING: DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION. DEATH OR SERIOUS INJURY MAY RESULT" shall be installed on the rear of the apparatus. The label shall be applied to the vehicle at the rear step area. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion, is prohibited.

WARNING LABEL -- SEAT BELT USAGE

A warning label, stating: "WARNING CRASH HAZARD OCCUPANTS MUST BE SEATED AND BELTED WHEN VEHICLE IS IN MOTION..." shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

BME Fire Trucks LLC

LOUD NOISE WARNING LABEL

A final stage manufacturer shall install "hearing loss" potential warning labels on the vehicle in any areas or fixed equipment that produces excessive noise levels. (Exhaust outlet, sirens and air horns shall not be required for such equipment.)

AIR FILTER EMBER PROTECTION SCREEN WARNING LABEL

A warning label, stating: "THIS VEHICLE HAS AN AIR INTAKE EMBER SCREEN WHICH REQUIRES PERIODIC INSPECTION & CLEANING" shall be provided and installed in the apparatus cab interior.

FRESH AIR EMBER SEPARATOR WARNING LABEL

A warning label, stating: "THIS APPARATUS IS EQUIPPED WITH A CAB FRESH AIR INTAKE EMBER PROTECTION SCREEN. ROUTINE INSPECTION IS REQUIRED." shall be provided and installed in the apparatus cab interior.

WARNING LABEL -- DO NOT WEAR HELMET

A warning label, stating: "CAUTION: DO NOT WEAR HELMET WHILE SEATED" shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

MANUFACTURER LOGO

The apparatus shall include a BME logo plaque which shall be affixed at the rear of the apparatus.

The BME plaque shall feature white reflective material on the outside of the Maltese cross and red reflective material in the middle.

FRONT TOW PLATE

A horizontal full frame width, $\frac{3}{4}$ -inch thick steel plate, center pull, front tow eye shall be furnished and installed through or below the front bumper. The tow eye plate shall be triangle shaped extended 6 inches beyond the front bumper with a 3-inch X 4-inch rectangle tow eye.

The tow eye shall be braced and gusseted to prevent frame rail or bumper damage and bolted to the front frame rail web with eight (8) Grade 8 frame bolts and lock nuts.

The tow plate shall to be sprayed with black durabak.

FRONT RECEIVER

BME Fire Trucks LLC

There shall be one bolted 2" receiver hitch on the front of the apparatus. The receiver shall be mounted off set as to prevent towing use.

REAR RECEIVER

There shall be one bolted 2" receiver hitch on the rear of the apparatus. The receiver shall be mounted off set as to prevent towing use.

REAR BUSTLE

A single, frame mounted, 3-inch X 4-inch diameter, rear towing eye shall be provided. It shall be manufactured from 3/4-inch thick steel plate and bolted between the rear frame rail webs with a minimum of eight (8), four (4) on each side, SAE Grade 8 frame bolts and lock nuts.

The tow eye shall be braced and gusseted to prevent damage to the frame rails, bumper or apparatus body while being towed from various angles. Access to the tow eye shall be below the bumper and designed not to interfere with the required angle of departure. The bustle shall be painted job color.

FRONT FRAME EXTENSION

The front frame rails shall be extended 16" ahead of the cab grill or fender area.

BUMPER PLATFORM

The front bumper extended frame rails shall feature an overlay constructed of .125 inch, 5052 grade, aluminum deck bright which shall offer space for mounting components necessary to the apparatus. The bumper extension shall measure approximately sixteen (16) inches from the cab to the front face of the extension and shall be approximately eight (8) inches in height.

DRIVERS SIDE -- FRONT BUMPER COMPARTMENT

One (1) recessed hose storage compartment shall be installed in the drivers side of the bumper. The compartment shall be constructed of smooth aluminum. The floor of the compartment shall have drain holes provided.

BUMPER COMPARTMENT NYLON HOLD DOWN STRAP

One (1) nylon strap with a buckle shall be installed on the specified front bumper compartment. The nylon strap shall act as a hold down mechanism for the hose in the compartment.

The straps shall be black in color.

BME Fire Trucks LLC

BUMPER COMPARTMENT GRATING

The specified bumper compartment shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

CENTER -- FRONT BUMPER COMPARTMENT

One (1) recessed hose storage compartment shall be installed in the center front bumper. The compartment shall be constructed of smooth aluminum. The floor of the compartment shall have drain holes provided.

BUMPER COMPARTMENT DOOR

An aluminum tread plate door shall be installed on the specified front bumper compartment. The non-skid surface door shall have a stainless steel hinge at the rear, latch, and hold open device installed.

The specified door(s) shall have a Polished stainless-steel D-ring door handle.

BUMPER COMPARTMENT GRATING

The specified bumper compartment shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

PASSENGER SIDE -- FRONT BUMPER COMPARTMENT

One (1) recessed hose storage compartment shall be installed in the passenger side of the bumper. The compartment shall be constructed from smooth aluminum. The floor of the compartment shall have drain holes provided.

BUMPER COMPARTMENT NYLON HOLD DOWN STRAP

One (1) nylon strap with a buckle shall be installed on the specified front bumper compartment. The nylon strap shall act as a hold down mechanism for the hose in the compartment.

The straps shall be black in color.

BUMPER COMPARTMENT GRATING

BME Fire Trucks LLC

The specified bumper compartment shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

BUMPER

There shall be an International 15 degree bumper installed on the apparatus.

FRONT BUMPER COLOR

The front bumper shall be painted job color.

BUMPER SIDE WINGS

The bumper shall have steel side wings.

FRONT BUMPER WINGS COLOR

The front bumper wings shall be painted job color.

AIR HORN

One (1) Buell brand, Model #1063 15" air horn shall be provided and mounted on the frame rail of the passenger's side frame, behind the bumper.

AIR HORN FOOT SWITCH

One (1) foot switch shall be provided and installed. The foot switch shall be located on the driver's side of the floor and shall activate the air horn system.

EXHAUST SYSTEM MODIFICATION

The chassis exhaust system shall be modified to exit on the passenger side of the apparatus ahead of the rear wheel. The exhaust pipe modification shall be made from Stainless Steel and shall have an exhaust hanger every 12 inches.

EXHAUST HEAT WRAP

BME Fire Trucks LLC

The exhaust pipe shall be wrapped with heat wrap from the diesel particulate filter to just shy of the end of the tailpipe.

BUMPER BOX PROTECTIVE FLAP

The protective flap shall be a cut down mud flap installed on the rear edge of the front bumper to eliminate debris from being deposited on the top of the front bumper and in the hose boxes.

REAR MUD FLAPS

The chassis shall be supplied with mud flaps with BME's logo. The mud flaps shall be installed behind the rear wheels.

DRIVER SIDE CAB STEP

The apparatus shall be equipped with a chassis fuel tank and step area. The fuel tank and step area shall be located on the drivers side of the commercial chassis. The fuel tank shall be covered with aluminum tread plate.

DRIVER'S SIDE UNDER CAB COMPARTMENT

The apparatus shall be equipped with an enclosed stainless steel compartment located under the crew door on the left side of the cab. The compartment shall measure approximately 36" wide x 18" high x 21" deep with a hinged aluminum door and a D-ring style latch.

The doors shall be painted job color.

BRASS BOX SLIDE TRAY

The left under cab compartment shall have these additional items installed, a 10-gauge reinforced plain anodized aluminum sliding drawer-type tray with a 4-inch vertical flange on all sides to be utilized for the storage of nozzles and adapters.

The tray shall utilize the maximum available space within this compartment and have extra heavy duty 500 pound lock-in/lock-out roller glides with stops to prevent it from sliding all the way out and to hold it securely in place when the compartment door is opened or closed.

The brass box tray shall feature adjustable 16 section slotted 4-inch high "egg-crate" divider designed for vertical storage of various nozzles and adapters.

COMPARTMENT LIGHTING

One (1) Code 3 800 Series Corner LED lights shall be installed in the specified compartment(s).

BME Fire Trucks LLC

COMPARTMENT LIGHT / DOOR SWITCH

The interior compartment light shall be automatically controlled by a door activated "On-Off" switch. The switch shall be tied to the door ajar system also.

PASSENGER'S SIDE UNDER CAB COMPARTMENT

The passenger side under cab compartment shall be mounted below the rear cab doors in front of the relocated battery box, the compartment shall be made from stainless steel and have provisions to mount the upper and lower steps to it. The box and door shall be painted job color and shall have an aluminum diamond plate over lay that covers the top and both sides.

COMPARTMENT LIGHTING

One (1) Code 3 800 Series Corner LED lights shall be installed in the specified compartment(s).

COMPARTMENT LIGHT / DOOR SWITCH

The interior compartment light shall be automatically controlled by a door activated "On-Off" switch. The switch shall be tied to the door ajar system also.

CAB STEPS

Aggressive, extruded aluminum surfaces shall be installed on each of the cab steps areas. The outside edges of the specified step shall be provided with 2" x 1.5" x .250" extruded and knurled aluminum rub rails.

Specified part shall include White reflective striping.

CAB DOOR REFLECTIVE PANELS

The cab doors shall include reflective trim installed inside each door.

Specified part shall include Red and White DOT approved reflective striping.

REAR BENCH SEAT COMPARTMENT

The area beneath the rear bench seat shall also be enclosed with two (2) swing down, full width compartment doors across the forward side of the rear passenger seat frame. There shall also be a out ward facing drop down door on either side. The compartments shall have a center vertical jamb, be properly reinforced, provided with positive latches so they will not open under hard braking and mounted to the cab floor with a full length polished stainless steel hinge.

BME Fire Trucks LLC

The under seat enclosure shall be fabricated from powder coated 14ga steel. The doors shall be constructed as to allow for maximum usage of under seat frame openings.

CAB SEATING-FRONT

There shall be two (2) National Model HP with RollTek equipped mounted in the front drivers and passenger locations.

The seats shall feature:

- Vinyl boxing/leather facing
- Two (2) arm rests
- Isolator
- 7" adjustment
- Three (3) chamber lumbar support
- 6-way front adjust
- 3-way rear cushion adjust
- -3 to 14 degree back angle adjustment
- Side bolster, back cycler
- Non swivel

REAR WALL ALUMINUM PLATE - FULL HEIGHT

Behind the rear seat mounted vertically on the inside rear wall of the cab a 1/4 inch aluminum sheet that is approximately 50 inches high by 60 inches wide will be mounted in the center resting on the floor to the rear wall of the cab inside with eight (8) 1/4 inch bolts with nutserts on the double wall supports.

This piece of aluminum will be centered, and the mounting bolts will not go through the outside of the cab. This piece of aluminum will be for hanging AVL electrical components after delivery. This aluminum piece will completely cover the rear window for safety.

There will be a sticker in the middle of the aluminum cover for the rear window that will state do not drill in red one inch letters.

FAN CLUTCH LOCK UP

The fan clutch shall lock up when the apparatus is shifted into pump mode.

AIR TANK RELOCATION

The air tanks shall be relocated to the rear of the truck between the frame rails.

BME Fire Trucks LLC

REMOTE MOUNT FRONT AXLE BREATHER HOSE

The front axle shall have a remount mount breather with hose, and have a metal 1/4" (LDI Industries 1U573 or equivalent) style vent will be supplied and gain two of lift and be mounted to the firewall on passenger side.

BATTERY RELOCATION

The chassis batteries are to be relocated to the passenger side of the chassis, below the rear cab door in the O.E.M. battery box, aft of the under cab compartment. The box shall have an aluminum diamond plate lid, and have provisions to mount an upper cab step to it.

UNDERHOOD LIGHTS

There shall be two (2) Tecniq LED light(s) installed under the hood of the chassis. Lights shall have local switching on the driver side under the hood.

AIR FILTER EMBER PROTECTION SCREEN AND WARNING LABEL

The chassis air intake shall be protected by an ember guard of 18 Mesh, 0.017-inch wire diameter, and a maximum mesh opening of 0.039 inches. The ember guard shall be sized to fit and located at the intake opening. The screen shall be readily accessible for inspection and maintenance. The ember guard shall maintain a minimum 1/2 inch separation from the air filter.

EMBER SEPARATOR -- FRESH AIR INTAKE TO CAB

The cabin air filter shall be protected by an ember guard with a maximum mesh opening of 0.039 inches.

EMBER SEPARATOR

The final stage manufacturer shall install a stainless steel ember separator within the fire pump engine air intake system.

FUEL TANK SKID PLATE

A heavy duty removable skid plate shall be fastened to the bottom side of the fuel tank. The skid plate shall have the front and rear sides turned up to prevent digging into the ground when the apparatus is in off road conditions.

EXTERIOR CAB TRIM

A rubber debris skirt will be installed to prevent debris and embers from entering between the cab and frame. The debris skirt will be attached with a 12 gauge stainless steel trim piece the full length along the lower cab seam

BME Fire Trucks LLC

below the cab doors. The trim shall be fastened to the body seam with evenly spaced 10/32 stainless steel Phillips head machine screws and nylock nuts.

AIR, FUEL, ELECTRICAL LINE PROTECTION

All air lines, fuel lines and electrical harnesses below the chassis frame rails shall be protected with fire resistive sleeves.

FUEL TANK VENTING

The O.E.M fuel tank vent line shall be extended from the fuel tank and vented to the atmosphere. The vent line shall extend vertically from the tank to the bottom of the cab rear window and then bend 180 degrees towards the ground. A vent plug orifice (#60 drill size) shall be installed into the upper end of each line. No fuel tank roll over protection check valves shall be removed from the fuel system. Any chassis fuel system modifications shall be fully compliant CARB regulations, CVC and FMVSS.

All fuel vent lines shall be copper, steel, or Aeroquip hose, and shall be loomed, “grommited”, and firmly clamped in position to prevent chafing or damage and all synflex fuel hoses shall be wrapped with fire wrap lagging capable of withstanding temperatures in excess of 250°C.

The fuel tanks and lines shall be protected as necessary from exhaust heat through the use of heat shields or baffles. Use only metal fasteners, coated or insulated for maximum fuel line protection.

ECM PROGRAMMING

The cab and chassis ECM shall be programmed as required to allow the apparatus to achieve 68 MPH top speed.

FIRE PUMP SPECIFICATIONS

A Darley model JMP 500 GPM two stage fire pump shall be installed. Power to drive the pump shall be provided by the same engine used to propel the apparatus. The pump shall be equipped with a series-parallel changeover valve control on the pump panel.

Pump casing shall be a fine grain cast iron, with a minimum tensile strength of 30,000 PSI. Pump shall contain a cored heating jacket feature that, if selected, can be connected into the vehicle antifreeze system to protect the pump from freezing in cold climates, and to help reject engine heat from engine coolant, providing longer life for the engine. Seal rings shall be renewable, double labyrinth, wrap around bronze type.

The pump shaft shall be splined to receive broached impeller hubs, for greater resistance to wear, torsional vibration, and torque imposed by engine, as well as ease of maintenance and repair.

Bearings provided shall be heavy duty, deep groove, radial-type ball bearings. Sleeve bearings on any portion of

BME Fire Trucks LLC

the pump or transmission shall be prohibited due to wear, deflection, and alignment concerns. The bearings shall be protected at all openings from road dirt and water splash with oil seals and water slingers.

The impeller shall be a high strength bronze alloy, splined to the pump shaft for precision fit, durability, and ease of maintenance. Impeller shaft oil seals shall be constructed to be free from steel components except for the internal lip spring. The impeller shaft oil seals shall carry a lifetime warranty against damage from corrosion from water and other fire-fighting fluids.

The pump transmission case shall be heavy-duty cast iron with adequate oil reserve capacity to maintain low operating temperature. Pump ratio to be selected by the manufacturers engineering department. Gears shall be helical in design and precision ground for quiet operation and extended life. Gears to be cut from high strength alloy steel, ground, and carburized. Chain drive and/or design requiring extra lubricating pump is not acceptable.

Pump drive shaft shall be precision ground, heat-treated alloy steel, with a 1-3/8 spline. Gears shall be helical design, and shall be precision ground for quiet operation and extended life. The pump transmission shall require no further lubrication beyond that provided by the intrinsic action of the gears, to reduce the likelihood of failure due to loss of auxiliary lubrication.

MECHANICAL SEAL

The mechanical seal shall use silicon carbide mechanical seals with welded springs. The stationary face of our mechanical seals shall be made from silicon carbide, an extremely hard and heat dissipative material, which resists wear and dry running damage.

PUMP SHIFT NO PUMP AND ROLL

The pump transmission shall be engaged by a guarded toggle switch which will lock in both the road and the pump mode to ensure that accidental pump engagement or disengagement is avoided.

The main fire pump shift controls shall be mounted in the cab and identified as "PUMP SHIFT" and shall include a permanently inscribed pump shift instruction I.D. plate. The pump shift controls shall include indicating lights located on the in-cab and left pump panels that advise the operator that the pump shift has been completed and it is O.K. to pump.

The indicating lights shall be as follows:

- To indicate that the pump shift has been successfully completed.
- An "O.K. to Pump" light located in the cab to indicate that the pump is engaged, the transmission is in neutral and the A "Pump Engaged" light located in the cab and on the left pump panel parking brake is set.
- A "Throttle Ready" light located on the left pump operators' panel to indicate the apparatus is in the O.K. to Pump mode.

BME Fire Trucks LLC

The main pump shall be used for stationary pumping only. The main pump shall include a lock-out system that is interfaced with the apparatus electrical and parking brake systems and is designed to keep the main pump from being used in pump and roll operations.

The transfer valve will cycle every time the ignition is turned on to keep calcium buildup down and maintain movement of the valve. Once it cycles it will return to the switch location. The switch will default to *pressure* mode.

FIRE PUMP ANODE SYSTEM

The fire pump plumbing system shall be provided with anode system to reduce corrosion within the piping. The anode shall be bolt-in or screw-in type and easily replaceable.

ELECTRIC PRIMER SPECIFICATIONS

A 12 volt electrically driven positive displacement fire pump primer system shall be installed. The priming pump shall be constructed of heat treated aluminum and hard coat anodized and shall not use oil in the operation. The system shall perform in compliance to applicable NFPA standards.

FIRE PUMP TEST

The fire pump shall undergo factory fire pump tests for a minimum of 30 minutes of continuous pump at rated capacity at rated net pump pressure prior to delivery of the completed apparatus. The complete pump test shall include a pressure control test, a priming system test, a vacuum test and a water tank to pump flow test. The factory pump testing results shall be furnished on delivery.

FIRE PUMP PTO AND DRIVELINES

A "Hot Shift" power-take-off shall be installed on the transmission PTO opening with the controls located in the chassis cab, with an AMBER warning light to note engagement. The drive shaft and universals shall be sized for intended usage and pump rating.

INTAKE DUMP VALVE

An Elkhart model #40/40 intake dump valve shall be provided and plumbed into the intake side of the main pump. The valve shall be preset from the factory at 125 psi. The pressure setting controls for the valve shall be accessible from beneath the pump compartment.

The 45° stainless steel discharge pipe shall be angled away from the tire and terminate with a 2½-inch NST male adapter and labeled "Do Not Cap".

BME Fire Trucks LLC

THERMAL PUMP COOLER

The fire pump shall be equipped with an overheat protection device which monitors the temperature of the water inside the pump and relieves water when the temperature inside the pump exceeds 140 degrees Fahrenheit. The Waterous Model #OPM shall also have an warning light on the pump panel to provide additional protection in the event the temperature inside the pump continues to rise with the overheat protection valve open. The warning light and test button shall be mounted to a heavy polished casting that is mounted to the pump operator's panel.

MASTER PUMP DRAIN

One (1) Trident, multiple-port drain valve, fabricated from bronze, shall be provided and controlled at the pump operator's control panel. The valve shall be opened by turning a rotary hand wheel. The valve shall be plumbed to drain both the discharge and intake sides of the pump, the relief valve and other plumbing components as required.

The valve shall be placed as low as possible to provide proper drainage of the components plumbed to it. The valve shall be rated to 600 PSI minimum and suitable for daily valve actuation.

MAIN PUMP PLUMBING

The PTO main pump plumbing system shall utilize stainless steel piping incorporating hosing to allow for flex. The piping shall utilize TIG welding to provide a complete seal. Hard angles shall be avoided when possible to improve water flow characteristics. The piping shall utilize Victaulic couplers whenever possible to allow flex as the body module flexes.

Threaded sections of piping shall be avoided to reduce the leak potential of the system. Victaulic couplers shall be used in place of threading to reduce leak potential. Schedule 10 stainless steel piping shall be used for transport type piping. Schedule 40 stainless steel shall be used for areas requiring threading to provide a stable threading base. Brackets shall be installed to support threading locations thereby reducing the potential for leaks.

All hoses shall be connected directly to the tank due to the different flex ratios of the tank to body. Any front discharges, any rear discharges, and all cross lays shall use hose to reach the actual discharge. The use of hose shall be utilized due to the difference in flex or movement between the discharge location and the pump connection. Drain lines shall be provided at the lowest points in the plumbing system to allow for complete drainage. Bleeders shall be provided for all gauges to relieve pressure after use.

PORTABLE PUMP

A Darley 1-1/2AGE 24K portable pump shall be provided on the apparatus. The unit shall have a liquid cooled, 24 HP, Kubota D902 diesel engine equipped with an electric start.

BME Fire Trucks LLC

Pump Performance

20 gpm @ 310 psi
140 gpm @ 145 psi
180 gpm @ 80 psi

Diesel Engine

Kubota, D902 Diesel, water-cooled, 24 hp.

Fuel Supply

The engine shall be piped to the chassis fuel system with provisions to prevent fuel drain back to the tank when the engine is shutdown.

Fuel Prime

A fuel re-prime pump shall be provided to assist in fuel delivery to the diesel engine from the chassis tank.

Lubrication

Pressure feed with spin-on filter.

Starter

12-volt electric wired into the chassis battery system

Exhaust

A spark arrestor shall be provided on the engine exhaust system.

Air Intake

An air cleaner shall be provided with easy access to remove the element.

An ember screen shall be provided on the inlet to the air cleaner.

The auxiliary fire pump shall provide pressure to all 2-inch discharge valves only including the hose reel and be capable of re-circulating tank water for pump cooling purposes through the 2-inch tank filler valve.

NOTE ·The engine oil dipstick will be at the same level of height as the valve cover on the auxiliary engine.

CATTRON CONTROL PANELS

The auxiliary pump throttle controls shall be Cable Craft, low friction, lockable style throttle cables. There shall be one (1) throttle cable mounted on the cab console and one (1) throttle cable mounted on the left side operators pump panel.

Panel to include the following items:

BME Fire Trucks LLC

Start / Stop Push Button Switch
Ignition "On" Light (Green)
Low Engine Oil Pressure Light
High Engine Temperature Light
Low Pump Water Pressure Light
Alternator Charge Fail Light
Glow Plug Active Light
Push Button Primer
Tachometer
Discharge Pressure Gauge (Red Back Lighted)
Vernier Throttle

AUX PUMP BYPASS COOLER

An auxiliary pump shall have cooling ability. A line will be installed for the auxiliary pump output that uses 1/8 inside diameter hose 300 psi minimum and will travel to the tank fill tower and drain inside facing down and have a check valve installed for priming purposes.

This line will always flow water when the auxiliary pump is running and drain back into the tank. If larger than 1/8 inside diameter hose is used an orifice tube to reduce the flow to 1/8 inch will be installed.

AUXILIARY PUMP PLUMBING

The auxiliary fire pump plumbing system shall utilize stainless steel piping incorporating hosing to allow for flex. The piping shall utilize TIG welding to provide a complete seal. Hard angles shall be avoided when possible to improve water flow characteristics. The piping shall utilize Victaulic couplers whenever possible to allow flex as the body module flexes.

Threaded sections of piping shall be avoided to reduce the leak potential of the system. Victaulic couplers shall be used in place of threading to reduce leak potential. Schedule 10 stainless steel piping shall be used for transport type piping. Schedule 40 stainless steel shall be used for areas requiring threading to provide a stable threading base. Brackets shall be installed to support threading locations thereby reducing the potential for leaks.

All hoses shall be connected directly to the tank due to the different flex ratios of the tank to body. Any front discharges, any rear discharges, and all cross lays shall use hose to reach the actual discharge. The use of hose shall be utilized due to the difference in flex or movement between the discharge location and the pump connection.

AUXILIARY PUMP EXHAUST SYSTEM

The auxiliary fire pump and engine assembly shall have a muffler and exhaust pipe. The exhaust pipe shall be directed out of the compartment and away from the pump operator. An additional guard shall be installed where

BME Fire Trucks LLC

the pipe is exposed to touch by an operator.

LOW PRESSURE PUMP SHUT-DOWN

If the fire pump runs out of water and the pressure decreases below 20 PSI, an automatic pressure switch shall detect the condition, and turn off the fire pump operation.

LOW OIL PRESSURE / HIGH TEMPERATURE PUMP SHUT-DOWN

If the fire pump has low oil pressure or high engine temperature, automatic pressure switches shall detect the condition, and the device shall turn off the fire pump operation. There shall be an override switch provided and installed on the operators pump panel to allow the system to be disabled when required.

AUXILIARY FUEL SYSTEM

The fuel system for the auxiliary fire pump shall be plumbed to the chassis fuel system. There shall be a separate fuel pickup tube mounted in the chassis fuel tank specifically for a separate engine driven pump assembly. There shall be an electric fuel pump with regulator and fuel hose furnished between the chassis fuel tank and the auxiliary pump.

The fuel tank pick-up tube shall be designed to ensure the auxiliary engine will not exhaust the fuel supply of the vehicle. (minimum 15-gallon reserve)

A marine grade one way check valve shall be installed in the fuel line to eliminate the possibility of air locks in the fuel line and prevent the inability of the auxiliary pump engine to start instantaneously.

AUXILIARY FIRE PUMP ELECTRIC START WIRING TO CHASSIS

Properly sized 12 volt positive and negative cables shall be provided from the chassis battery to the auxiliary fire pump.

AUXILIARY AND MAIN PUMP PLUMBING

The auxiliary fire pump shall be plumbed to the main pump discharge.

AUXILIARY PUMP OIL DRAIN EXTENSION

There shall be an oil drain extension installed on the auxiliary pump. This will allow for the engine oil to be drained without removing the auxiliary engine.

AUXILIARY PUMP COVER

BME Fire Trucks LLC

A louvered hinged cover with suitable latches shall be provided over the pump and power unit assembly. The area around the assembly shall remain open for maintenance and air circulation and the radiator shall be located behind ventilated side sheet.

LIGHTING

The specified compartment shall have no compartment lighting.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

BYPASS FIRE PUMP COOLER

The fire pump shall be equipped with 3/8" 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 bypass cooler".

4" UNGATED INTAKE -- LEFT SIDE

One (1) 4" un-gated suction intake shall be installed on the left side pump panel to supply the fire pump from an external water supply. The threads shall be 4" NH male and equipped with a removable screen.

One (1) chrome brass 4" NH rocker lug cap with a securing chain or cable shall be installed on the intake.

2-1/2" GATED INTAKE -- LEFT SIDE

One (1) 2-1/2" gated suction intake shall be recessed mounted on the left side pump panel to supply the fire pump from an external water supply. The valve shall be a quarter-turn ball valve with the appropriate handle and shall have 2-1/2" NH female thread.

The intake shall be equipped with a South Park Corp. 3/4" Push-pull type drain valve mounted to the bottom of the valve.

One (1) Akron 8825 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome brass 2-1/2" NH rocker lug plug with a securing chain or cable shall be installed on the intake.

BME Fire Trucks LLC

2-1/2" GATED INTAKE -- RIGHT SIDE

One (1) 2-1/2" gated suction intake shall be recess mounted on the right side pump panel to supply the fire pump from an external water supply. The valve shall be a quarter-turn ball valve with the appropriate handle and shall have 2-1/2" NH female thread.

The intake shall be equipped with a South Park Corp. 3/4" Push-pull type drain valve mounted to the bottom of the valve.

One (1) Akron 8825 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome brass 2-1/2" NH rocker lug plug with a securing chain or cable shall be installed on the intake.

WATER TANK SUPPLY LINE TO FIRE PUMP

A 3" water tank to pump line shall be installed, with a 3" full flow quarter turn ball valve and 3" piping. The line shall be equipped with a hump hose with stainless steel hose clamps and a 3" check valve to prevent pressurization of the water tank.

One (1) Akron 8830 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control, Akron Model R1 valve handle.

The 3" valve shall be equipped with an air operated cylinder and control actuator installed on pump panel. The controls shall be located on the left pump operator's panel, be labeled "Tank Suction", and feature a "green" valve open and "red" valve closed indicator light.

PUMP TO TANK

There shall be a pump to tank line provided from the discharge side of the pumps and plumbed to the top of the tank. The plumbing shall be 2-inch with a 2-inch Akron 8800 series 1/4-turn full flow ball valve, and shall be controlled at the left pump panel by a push/pull T-handle and linkage. The pump to tank shall be plumbed to flow water from both the main and auxiliary pumps

One (1) Akron 8820 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum

BME Fire Trucks LLC

environments. All valves and controls shall be easily accessible for service, repair or replacement.

The valve shall be equipped with a Thuemling manually operated pull rod, with quarter-turn locking feature.

2-1/2" DISCHARGE LEFT SIDE -- FORWARD PUMP PANEL

One (1) 2-1/2" discharge shall be installed on the left side forward pump panel area controlled by a quarter turn ball valve with the appropriate handle. The discharge shall have 2-1/2" NH male hose threads, bleeder valve, and chrome brass cap, with a label adjacent the control handle.

A Class 1 quarter-turn 3/4" drain and bleeder valve shall be installed on the discharge valve.

One (1) Akron 8825 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome brass 2.5" NH rocker lug cap with a securing chain or cable shall be installed on the discharge.

2.5" DISCHARGE -- REAR LEFT

One (1) 2.5" discharge shall be installed on the rear left panel with controlled by a quarter turn ball valve. The discharge shall have 2.5" NH male hose threads and nameplate label adjacent the control handle.

One (1) Akron 8825 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

(1) chrome plated brass 30 degree elbow with 2.5" swivel female NH x 2.5" male NH thread with rocker lugs shall be provided on the discharge.

One (1) chrome brass 2.5" NH rocker lug cap with a securing chain or cable shall be installed on the discharge.

2" DISCHARGE -- REAR RIGHT

One (1) 2" discharge shall be installed on the rear right panel, controlled by a quarter turn ball valve on pump panel. The discharge shall have 2" NPT x 1-1/2" NH male hose threads and nameplate label adjacent the valve control handle.

BME Fire Trucks LLC

One (1) Akron 8820 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome plated brass reducing adapter with a 2" swivel female NH x 1.5" male NH thread with rocker lugs shall be provided on the discharge.

One (1) chrome plated brass 30 degree elbow with 1.5" swivel female NH x 1.5" male NH thread with rocker lugs shall be provided on the discharge.

One (1) chrome plated brass 1.5" NH rocker lug cap with a securing chain or cable shall be installed on the discharge.

1-1/2" CROSSLAY DISCHARGES

Two (2) pre-connected 1-1/2" hose cross lays shall be installed over pump enclosure. One (1) each side. They shall be arranged in a single stack design with a divider in the center of the storage area. Each storage area shall extend from the side of the pump house to the center of the pump house. The dimensions shall be approximately 4-1/2" wide x 36" deep x 32" tall.

Two (2) Akron 8820 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

The crosslay hosebed shall be equipped with an aluminum diamond plate hinged cover and vinyl end flap enclosures on each side, installed in compliance with applicable NFPA #1901 standards. The cover shall be equipped with rubber bumpers and lift up handle on each end of the cover.

The specified crosslay flaps shall be red.

CROSSLAY EDGES

The crosslay side sheets shall be rolled on each side to act as a guide for the hose to come out of the tray.

Two (2) chrome plated brass reducing adapter with a 2" swivel female NH x 1.5" male NH thread with rocker lugs shall be provided on the discharge.

BME Fire Trucks LLC

Two (2) chrome plated brass 1.5" NH rocker lug cap with a securing chain or cable shall be installed on the discharge.

1-1/2" BUMPER AREA DISCHARGE (LEFT SIDE)

One (1) 2" discharge shall be provided at the driver's side of the front bumper extension. The discharge shall be plumbed with 2" flexible high pressure hose with reusable fittings or welded stainless steel pipe. The front bumper discharge shall be equipped with a 2" quarter turn ball valve. The discharge shall have a 90 degree full swivel elbow, terminating in 1-1/2" NST male threads, to allow the hose to be pulled in any direction without kinking. The swivels shall feature stops allowing them to only rotate 220° from left side to right along the forward radius.

One (1) Akron 8820 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome plated brass 1.5" NH rocker lug cap with a securing chain or cable shall be installed on the discharge.

1-1/2" BUMPER AREA DISCHARGE (RIGHT SIDE)

One (1) 2" discharge, shall be provided at the passenger's side of the front bumper extension. The discharge shall be plumbed with 2" flexible high pressure hose with reusable fittings or welded stainless steel pipe. The front bumper discharge shall be equipped with a 2" quarter turn ball valve. The discharge shall have a 90 degree full swivel elbow, terminating in 1-1/2" NST male threads, to allow the hose to be pulled in any direction without kinking. The swivels shall feature stops allowing them to only rotate 220° from left side to right along the forward radius.

One (1) Akron 8820 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome plated brass 1.5" NH rocker lug cap with a securing chain or cable shall be installed on the discharge.

2" ISOLATION VALVE

BME Fire Trucks LLC

One (1) 2" inline valve, labeled, shall be provided to isolate the front bumper extension discharge piping in the case of a hose or piping failure. This valve shall normally be left in the open position. Control for this valve shall be through the use of a R1 handle, painted red, located at the valve.

One (1) Akron 8820 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

HOSE REEL

One (1) Hannay aluminum hose reel Model #SBSEPF17-28-29-RT shall be installed. The reel shall have leak proof ball bearing swing joint, adjustable friction brake, electric 12 volt rewind and manual crank rewind provisions. The reel shall be plumbed with wire reinforced, high-pressure hose coupled with brass fittings. The reel shall be designed to hold 125% of the specified hose capacity.

The reel shall be provided with a 12 volt electric motor of appropriate size for rewinding. The hose reel shall have provisions for being rewound manually. The pinion shaft for the manual rewind gear shall be equipped with an adjustable tension brake, controlled at the hose reel.

One (1) Akron 8810 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

HOSE REEL MOUNTING

The hose reel shall be mounted over the pump enclosure.

Two (2) Cole Hersee #M-608 push button hose reel rewind controls shall be installed supplied and installed to rewind the hose reel. One (1) button shall be installed on the left pump panel and one (1) button shall be installed on the right panel.

HOSE REEL NOZZLE MOUNTING

The specified hose reel nozzle shall be mounted with a PAC nozzle mount. Install the nozzle pocket on the pump panel below the hardline fairlead with two 5/16 bolts.

BME Fire Trucks LLC

HOSE REEL ROLLERS

The hose reel shall include one horizontal and two vertical chrome fairlead rollers. Two (2) additional sets of fair lead rollers shall be located on the auxiliary pump cover for guiding the hose across the top of the apparatus.

FOAM SYSTEM

A FoamPro electronic foam system shall be provided. The system shall be designed for use with Class A foam concentrate. The foam proportioning operation shall be designed for direct measurement of water flows and shall remain consistent within the specified flows and pressures. The system shall be capable of accurately delivering foam solution as required by applicable sections of the NFPA standards.

The system shall be equipped with a control module suitable for installation on the pump panel. There shall be a microprocessor incorporated within the motor driver that shall receive input from the system's flowmeter, while also monitoring the foam concentrate pump output. The microprocessor shall compare the values to ensure that the desired amount of foam concentrate is injected onto the discharge side of the fire pump. A "foam capable" paddlewheel-type flowmeter shall be installed in the discharge side of the piping system.

The control module shall enable the pump operator to:

- Activate the foam proportioning system
- Select the proportioning rates from 0.1% to 1.0%
- See a "low concentrate" warning light flash when the foam tank level becomes low and in two (2) minutes, if the foam concentrate has not been added to the tank, the foam concentrate pump shall be capable of shutting down.

A 12-volt electric motor driven positive displacement plunger pump shall be provided. The pump capacity range shall be 0.1 to 1.7 GPM (6.4L/min) at 200 PSI (13.8 BAR) with a maximum operating pressure up to 400 PSI (27.6 BAR). The system shall draw a maximum of 30 amps at 12 volts. The motor shall be controlled by the microprocessor which shall be mounted to the base of the pump. It receives signals from the control module and power the 1/3 horsepower (.25 Kw) electric motor in a variable speed duty cycle to ensure that the correct proportion of concentrate is injected into the water stream.

A full flow check valve shall be provided in the discharge piping to prevent foam contamination of the fire pump and water tank. A 5 PSI (.35 BAR) opening pressure check valve shall be provided in concentrate line.

Components of the complete proportioning system as described above shall include:

- Operator control module
- Paddlewheel flowmeter
- Pump and electric motor/motor driver
- Wiring harnesses

BME Fire Trucks LLC

- Low level tank switch
- Foam tank
- Foam injection check valve
- Main waterway check valve
- Flowmeter and tee with 2" male NPT threads.

The foam system shall be installed and calibrated to manufacturer's requirements. In addition the system shall be tested and certified by the apparatus manufacturer to applicable NFPA standards.

The foam system design shall be tested and pass environmental testing in accordance to SAE standards.

An installation and operation manual shall be provided for the unit. The system shall have a one (1) year limited warranty by the foam system manufacturer.

The FoamPro 1600 Series foam system shall be provided with a control cable from the controller to the foam pump assembly.

The FoamPro 1600 Series foam system shall be provided with a standard pump panel mounted FoamPro control head.

A FoamPro brass flowmeter shall be provided. The flowmeter shall be installed in the "foam capable" discharge line. The flowmeter shall have maximum accuracy between the flow range of 15 GPM and 520 GPM and be capable of operation between 5 GPM to 625 GPM. The tee shall have NPT and Victaulic inlet and outlets connections.

A FoamPro instruction and system rating label shall be provided. The label shall display information for a FoamPro 1600 Series foam system and shall meet applicable sections of the NFPA standards.

A FoamPro foam system schematic label shall be installed on the pump panel near foam controls. The label shall be a diagram of the FoamPro 1600 series foam system layout and shall meet applicable sections of the NFPA standards.

The foam system will be fastened and mounted from a double gusseted 5/16 steel mount and be supported on the top and bottom of the foam pump system to the buildup.

FOAM SYSTEM OUTLETS

The following discharges shall have foam distributed to them.

- Front bumper discharges
- Front bumper monitor (if applicable)
- Pump house crosslay pre connects

BME Fire Trucks LLC

Booster hose reel
Rear 1-1/2" discharge

FOAM SYSTEM CAB CONTROL

A FoamPro on-off control switch shall be installed in the cab console.

FOAM UPLOAD SYSTEM

There shall be a Hale EZ Foam upfill system supplied and installed on the apparatus. The foam transfer system will be mounted from the frame rail with 1/4-inch steel plate that is gusseted on both ends for support.

PUMP MODULE ENCLOSURE

The PTO fire pump enclosure shall be a separate unit from the body unit and shall be attached and supported at the chassis frame rails. This module shall allow for independent flexing of the pump enclosure from the body, chassis, and tank, and shall permit quick removal. The module shall have Polypro mounting pads and shall be attached to the frame rails. The module shall be a welded frame with all vertical supports from 1/4 wall A-36 mild hot rolled steel to be continuous, (no splices or brakes on vertical supports).

The pump enclosure shall be approximately 27" front to rear, 72" right to left, and 60" high.

PUMP ENCLOSURE RUNNING BOARD

Both the drivers and passenger side shall be equipped with a side running board a minimum of 12" deep. The running board shall extend along the width of the pump enclosure from the forward end of the body module to behind the chassis cab. The exterior edge of the running board shall be constructed of a non-slip aggressive surface, supported by the pump enclosure framework, and bolted in place with stainless steel fasteners. The outside edges of the specified step shall be provided with 2" x 1.5" x .250" extruded and knurled aluminum rub rails.

Specified part shall include White reflective striping.

PUMP ACCESS SERVICE DOOR -- UPPER LEFT SIDE

The upper left side of the side mount pump enclosure shall be provided with a pump service access door. The hinged door shall be constructed of stainless steel powder coated satin black, with push button type lever latches for service access.

PUMP PANELS

BME Fire Trucks LLC

The pump panels shall be constructed of stainless steel, bolted to the pump enclosure with stainless steel fasteners. The operators side pump panel shall be powdercoated satin black, while the right side panel shall be brushed stainless steel.

MASTER INTAKE PRESSURE GAUGE

One (1) master intake pressure gauge shall be provided on the operator's panel. The gauge shall be a Span brand, or equivalent, 30-0-150 PSI graduated, with a minimum diameter of 4-1/2", backlit for nighttime operations and silicone liquid filled to prevent condensation inside the gauge and to dampen the movement.

The gauge housing shall be constructed of Zytel nylon with a 1/4" NPT brass male fitting centrally located on the rear of the housing. The gauge shall be filled with low-temperature liquid with an operating range of -40 to +150 degrees Fahrenheit, which prevents bouncing of the readout needle and provides for an accuracy rating of 3% or 1" hg on the vacuum side and 5% or 15 PSI on the pressure side of the gauge.

The gauges shall be wired so when the pump is engaged the gauge light turns on.

The specified gauge shall feature a drain located at the gauge inlet to help prevent freezing. The drain shall be a twist open and close type.

Gauge(s) shall include internal, back-lit 12 volt lighting. Replaceable, Red, LED bulb in a water-resistant holder.

Gauge(s) shall be supplied with a white dial face with black lettering and black gauge marks.

Gauge bezel shall be Chrome in color.

MASTER DISCHARGE PRESSURE GAUGE

One (1) master discharge pressure gauge shall be provided on the operator's panel. The gauge shall be a Span brand, or equivalent, 0-600 PSI graduated, with a minimum diameter of 4-1/2", backlit for nighttime operations and silicone liquid filled to prevent condensation inside the gauge and to dampen the movement.

The gauge housing shall be constructed of Zytel nylon with a 1/4" NPT brass male fitting centrally located on the rear of the housing. The gauge shall be filled with low-temperature liquid with an operating range of -40 to +150 degrees Fahrenheit, which prevents bouncing of the readout needle and provides for an accuracy rating of 5% or 15 PSI on the pressure side of the gauge.

The gauges shall be wired so when the pump is engaged the gauge light turns on.

Gauge(s) shall include internal, back-lit 12 volt lighting. Replaceable, Red, LED bulb in a water-resistant holder.

BME Fire Trucks LLC

Gauge(s) shall be supplied with a white dial face with black lettering and black gauge marks.

Gauge bezel shall be Chrome in color.

TEST TAPS

Test taps for pump intake and pump pressure with name plate labels shall be provided on the pump instrument panel.

PRESSURE GOVERNOR and ENGINE MONITORING DISPLAY

Fire Research PumpBoss series PBA401-D00 pressure governor and monitoring display kit shall be installed. The kit shall include a control module, intake pressure sensor, discharge pressure sensor, and cables. The control module case shall be waterproof and have dimensions not to exceed 6 3/4" high by 4 5/8". The control knob shall be 2" in diameter with no mechanical stops, have a serrated grip, and a red idle push button in the center. It shall not extend more than 1 3/4" from the front of the control module. Inputs for monitored engine information and outputs for engine control shall be on the J1939 databus. Inputs from the pump discharge and intake pressure sensors shall be electrical.

The following continuous displays shall be provided:

- Engine RPM; shown with four daylight bright LED digits more than 1/2" high
- Check engine and stop engine warning LEDs
- Engine oil pressure; shown on a dual color (green/red) LED bar graph display
- Engine coolant temperature; shown on a dual color (green/red) LED bar graph display
- Transmission Temperature: shown on a dual color (green/red) LED bar graph display
- Battery voltage; shown on a dual color (green/red) LED bar graph display
- Pressure and RPM operating mode LEDs
- Pressure / RPM setting; shown on a dot matrix message display
- Throttle ready LED.

The dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Battery Voltage
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Transmission Temperature
- Low Engine Oil Pressure
- High Engine Coolant Temperature
- Out of Water (visual alarm only)

BME Fire Trucks LLC

No Engine Response (visual alarm only).

The program features shall be accessed via push buttons located on the front of the control module. There shall be a USB port located at the rear of the control module to upload future firmware enhancements.

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure governor and display shall be programmed to interface with a Cummins engine.

Intake and discharge pressure transducers, water lines, and gauges which control the pump performance will be protected from freezing to ensure no accidental pump shut down will occur.

An aluminum fold down door and cover made from 1/8 aluminum will be added to the pressure governor that would fold up and lock in place while pumping and will be painted to match the paint on the pump panel. This will protect the governor from the sun and radiant heat on fires.

WATER TANK GAUGE

One (1) Fire Research TankVision model WLA300-A00-S20 tank gauge shall be installed on the pump panel. The water tank indicator kit shall include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The indicator shall show the volume of water in the tank on nine (9) easy to see super bright LEDs. The gauge shall be interlocked to turn off when the parking brake is released and the pump is engaged.

The specified level gauge shall only activate while the park brake is set and the pump is engaged.

WATER TANK GAUGE

One (1) Fire Research TankVision model WLA300-A00-S20 tank gauge shall be installed on the cab console. The water tank indicator kit shall include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The indicator shall show the volume of water in the tank on nine (9) easy to see super bright LEDs. The gauge shall be powered when the parking brake is released and the aux pump is engaged.

The specified level gauge shall only activate while the park brake is released and the auxiliary pump is engaged.

WATER TANK VOLUME REMOTE INDICATOR

BME Fire Trucks LLC

Three (3) Fire Research TankVision model WLA280-A00 tank remote indicator shall be installed. The indicator shall show the volume of water in the tank on Ninety six (96) easy to see super bright Tri-color LEDs. The indicator case shall be waterproof, manufactured of Polycarbonate material with an integrated lens. The package includes a rubber gasket.

The remote indicator shall receive input information over a datalink from a Fire Research TankVision primary indicator model WLA200-A00, WLA300-A00 or WLA400-A00. The remote indicator shall indicate the level as a single color in Red for 25% or less, Amber color for up to 50% volume, Blue color for up to 75% volume and Green color for up to 100% volume. When the level reaches 25%, the red LEDs will begin flashing. When the level is empty, the red LEDs will scroll in a down-chasing motion and then flash three times. It shall have the program capability to adjust the brightness level for day time and nighttime viewing.

One (1) mounted on each side of the cab, on the "C" Pillars.

One (1) mounted at the rear of the apparatus on the drivers side between the handrail and the I-Zone bracket, above the BME placard.

The specified level gauge shall only activate while the park brake is set and the pump is engaged.

CLASS A FOAM TANK GAUGE

One (1) Fire Research brand, Model WLA360-A00 tank level gauge shall be provided on the pump operator's panel to monitor the foam concentrate storage tank level. The gauge shall indicate the foam concentrate storage tank liquid level on an LED bar graph display.

The specified level gauge shall only activate while the park brake is set and the pump is engaged.

NOMENCLATURE PLATES

The apparatus shall be equipped with color coded labels. 5/8-inch X 3-inch metal, Vision Mark individual nomenclature plates shall readily identify all switches, valves, and controls. The lettering shall be deeply etched; enamel paint filled or anodized aluminum-etched color-coded tags and shall describe the function of all the pump panel controls, switches, discharge and suction valves. The plates shall be attached with stainless steel nylock nuts and machine screws. The plates shall be attached with stainless steel nylock nuts and machine screws (Plastic I.D. plates, rivets, adhesive backed plates, and/or self-tapping screws are Unacceptable).

MIDSHIP PUMP PANEL LIGHTS -- DRIVERS SIDE

There shall be three Tecniq brand LED lights installed under a stainless steel light shield mounted above the pump panel. The two outer lights shall be operated by a panel mounted switch, while the middle light will only be activated upon pump engagement.

BME Fire Trucks LLC

One (1) of the pump panel lights shall illuminate at the time the fire pump is engaged.

MIDSHIP PUMP PANEL LIGHTS -- PASSENGER SIDE

There shall be one Tecniq brand LED light installed under a stainless steel light shield mounted above the pump panel. The light shall activate upon pump engagement.

PUMP ENCLOSURE WORK LIGHTS

Two (2) LED work lights shall be installed in the pump enclosure. The work lights shall have clear lenses and shall have a control switch.

DESIGN AND SCOPE OF WILDLAND BODY

The body shall be designed and constructed of commonly available structural components for ease of repair and maintenance. The body shall be of a modular design with the body structure independent of the chassis frame rails. The body module shall be mounted to the chassis frame rails utilizing a unique double spring mounting system for flexibility and durability over the lifetime of the apparatus. The fabrication of the body shall be of welded construction to withstand the rigors of fire service use.

The body shall be designed to incorporate and support the tank, hose bed, compartments, and all other equipment intended to be stored in or mounted to the body module. The body skeleton and compartment framework shall be designed of tubular members for increased strength and stress resistance. There shall be no sheet metal or extrusions utilized in the foundation or structural components of the body module due to their critical role in assuring lifetime durability, functionality and usability.

BODY FRAMEWORK

The entire body framework shall be fabricated from steel tubing. The body framework shall be a completely welded unit, forming a connected, stable frame for strength, longevity and providing the skeleton of the body module. The internal upright members of the framework shall act as support for the top layer of the body module. The external upright members shall act as an exoskeleton providing form and support for compartments while acting as the external surfaces of the module. The framework shall define the compartment openings and provide a rigid mounting location for all compartments and doors.

The foundation cross-members shall be placed perpendicular to the chassis frame rails in the wheel well area extending the full width of the body.

All tank support cross members shall be placed to support the water tank as per the tank manufacture's recommendation.

BME Fire Trucks LLC

The internal upright supports for top layer components shall be placed to provide support for all components located on the top layer of the body module and shall be constructed of steel tubing.

BODY MOUNTING SYSTEM

The mounting assembly shall be designed to isolate and protect the body module from vibration and twisting stresses imparted by the flexing of the chassis frame rails. The body module shall employ spring loaded body mounting assemblies. Each two piece mounting assembly shall be designed to positively position the body on the frame rails while allowing lateral and forward or aft movement. Mounting assemblies shall be placed forward and rearward of the rear axle as necessary to provide a strong and stable mounting of the body module

Each mounting assembly shall consist of a “male” upper mounting bracket and a “female” lower mounting bracket. The upper mounting brackets shall be fabricated from .375 inch thickness steel plate, with .375 inch painted steel lower mounting brackets. There shall be no vertical bends or offsets for strength.

The mounting brackets shall be aligned and connected by two (2) 5/8 inch diameter grade 8 bolts equipped with compression springs. The Springs that are used to allow the body to travel up and down shall have a minimum travel of 7/8 inches on each mount after the spring is compressed with the mounting nuts.

COMPARTMENT FLOOR, SWEEP OUT STYLE

Each compartment shall feature a raised floor sufficient enough so the lip of the compartment shall clear the frame rail of the body module to allow debris to be removed easily from the compartment.

COMPARTMENTATION

All compartments shall be constructed of 14 gauge E.G. steel welded for strength and shall be sealed from the elements. The compartments shall be attached to the steel superstructure only, in order to maintain a truly modular design. Each compartment shall feature a smooth edges and surfaces from the walls to each weld without burs or sharp edges in the material.

DRIVER’S SIDE BODY COMPARTMENTS

COMPARTMENT D1

One compartment shall be provided on the driver's side of the apparatus body above the rear wheels. This compartment shall span from just behind the pump panel to the back of the rear wheel well quarter panel. The compartments approximate "clear door opening" is 51" wide by 39" high with a variable depth of 13.5/23". Compartment shall have two hat sections that are 4.25 inch wide and will be spaced two inches apart that run from either side of the compartment.

BME Fire Trucks LLC

COMPARTMENT VENTILATION

A minimum 2-inch single “Weber” style polished stainless steel swivel vent with four (4) ¼-inch vent holes shall be provided. These vents shall have a stainless steel center bolt to lock the vent in either the open or closed position and be located in the compartment walls. All vents will contain fire resistant filters to minimize dust entering the compartment.

COMPARTMENT FLOOR DRAIN

The compartment shall be provided with rear corner floor drains to the underside of the body.

COMPARTMENT SILL PLATE

The compartment shall feature a polished stainless steel sill plate protecting the painted surface of the compartment when items are accessed.

AJUSTABLE UNISTRUT

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) channels on the left wall and two (2) channels on the right wall. The tracks shall be positioned to provide support for equipment mounting. The length of the tracks shall be sized to allow for optimum use of the compartment interior.

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) horizontal channels on the back wall of the compartment.

ADJUSTABLE SHELVES

Two (2) adjustable shelve(s) shall be constructed of .188" thick smooth aluminum plate and be mounted in specified compartments with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge, and a broken rear edge for added strength and reinforcement. All shelves shall be orbital DA finish.

COMPARTMENT SHELF GRATING

The specified compartment shelf shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

The compartment shelf and or shelves shall have reflective striping added to the outside lip. The stripe shall be a 1-1/2" minimum in width.

BME Fire Trucks LLC

Specified part shall include Red and White DOT approved reflective striping.

COMPARTMENT DIVIDER

There shall be one (1) vertical compartment divider(s) installed in the specified compartment. The divider(s) shall be bolted in place for ease of removal. The aft side of the vertical divider shall have two (2) vertical unistruts installed.

AJUSTABLE UNISTRUT

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) channels on the left wall and two (2) channels on the right wall. The tracks shall be positioned to provide support for equipment mounting. The length of the tracks shall be sized to allow for optimum use of the compartment interior.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical and one (1) horizontal Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

12 VOLT FUSE BLOCK

One (1) dedicated circuit; 12 volt, power and ground shall be ran to the specified compartment to a Blue sea #5025 water resistant fuse block. The fuse block shall be rated up to 100A per block and 30A per circuit.

The specified power source shall be wired battery hot.

COMPARTMENT D2

One full height compartment shall be provided on the driver's side of the apparatus body aft of the rear wheels. This compartment shall span from behind the rear wheel well quarter panel to the rear of the body in width and

BME Fire Trucks LLC

from the top of the body to the rub rail in height. The compartments approximate "clear door opening" is 34" wide by 58" high with a variable depth of 13.5"/22.5". Compartment shall have two hat sections that are 4.25 inch wide and will be spaced two inches apart that run from either side of the compartment.

COMPARTMENT VENTILATION

A minimum 2-inch single "Weber" style polished stainless steel swivel vent with four (4) 1/4-inch vent holes shall be provided. These vents shall have a stainless steel center bolt to lock the vent in either the open or closed position and be located in the compartment walls. All vents will contain fire resistant filters to minimize dust entering the compartment.

COMPARTMENT FLOOR DRAIN

The compartment shall be provided with rear corner floor drains to the underside of the body.

COMPARTMENT SILL PLATE

The compartment shall feature a polished stainless steel sill plate protecting the painted surface of the compartment when items are accessed.

ADJUSTABLE SHELVES

Two (2) adjustable shelve(s) shall be constructed of .188" thick smooth aluminum plate and be mounted in specified compartments with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge, and a broken rear edge for added strength and reinforcement. All shelves shall be orbital DA finish.

COMPARTMENT SHELF GRATING

The specified compartment shelf shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

The compartment shelf and or shelves shall have reflective striping added to the outside lip. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

TOOL BOARD ON SIDE WALL OF COMPARTMENT

BME Fire Trucks LLC

Two (2) PAC TRAC tool board panel shall be provided and mounted vertically on the side wall of the specified compartment. The tool board shall be mounted directly to the wall and not to unistrut.

TOOL BOARD REAR WALL OF COMPARTMENT

A PAC TRAC tool board panel shall be provided and mounted vertically on the back wall of the specified compartment. The tool board shall be mounted directly to the wall and not to unistrut.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical and one (1) horizontal Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

PASSENGER SIDE BODY COMPARTMENTS

COMPARTMENT P1

One compartment shall be provided on the passenger's side of the apparatus body above the rear wheels. This compartment shall span from just behind the pump panel to the back of the rear wheel well quarter panel in width and from the top of the body side to the wheel well in height. The compartments approximate "clear door opening" is 51" wide by 39" high with a depth of 12". Compartment shall have two hat sections that are 4.25 inch wide and will be spaced two inches apart that run from either side of the compartment.

COMPARTMENT VENTILATION

A minimum 2-inch single "Weber" style polished stainless steel swivel vent with four (4) ¼-inch vent holes shall be provided. These vents shall have a stainless steel center bolt to lock the vent in either the open or closed position and be located in the compartment walls. All vents will contain fire resistant filters to minimize dust entering the compartment.

COMPARTMENT FLOOR DRAIN

BME Fire Trucks LLC

The compartment shall be provided with rear corner floor drains to the underside of the body.

COMPARTMENT SILL PLATE

The compartment shall feature a polished stainless steel sill plate protecting the painted surface of the compartment when items are accessed.

AJUSTABLE UNISTRUT

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) channels on the left wall and two (2) channels on the right wall. The tracks shall be positioned to provide support for equipment mounting. The length of the tracks shall be sized to allow for optimum use of the compartment interior.

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) horizontal channels on the back wall of the compartment.

ADJUSTABLE SHELVES

One (1) adjustable shelf(s) shall be constructed of .188" thick smooth aluminum plate and be mounted in specified compartments with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge, and a broken rear edge for added strength and reinforcement. All shelves shall be orbital DA finish.

COMPARTMENT SHELF GRATING

The specified compartment shelf shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

The compartment shelf and or shelves shall have reflective striping added to the outside lip. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

BME Fire Trucks LLC

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical and one (1) horizontal Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

12 VOLT FUSE BLOCK

One (1) dedicated circuit; 12 volt, power and ground shall be ran to the specified compartment to a Blue sea #5025 water resistant fuse block. The fuse block shall be rated up to 100A per block and 30A per circuit.

The specified power source shall be wired battery hot.

COMPARTMENT P2

One compartment shall be provided on the passenger's side of the apparatus body aft of the rear wheels. This compartment shall span from behind the rear wheel well quarter panel to the rear of the body in width and from below the walkway to the rub rail in height. The compartments approximate "clear door opening" is 34" wide by 58" high with a variable depth of 12"/22". Compartment shall have two hat sections that are 4.25 inch wide and will be spaced two inches apart that run from either side of the compartment.

COMPARTMENT VENTILATION

A minimum 2-inch single "Weber" style polished stainless steel swivel vent with four (4) 1/4-inch vent holes shall be provided. These vents shall have a stainless steel center bolt to lock the vent in either the open or closed position and be located in the compartment walls. All vents will contain fire resistant filters to minimize dust entering the compartment.

COMPARTMENT FLOOR DRAIN

The compartment shall be provided with rear corner floor drains to the underside of the body.

COMPARTMENT SILL PLATE

The compartment shall feature a polished stainless steel sill plate protecting the painted surface of the compartment when items are accessed.

AJUSTABLE UNISTRUT

BME Fire Trucks LLC

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) channels on the left wall and two (2) channels on the right wall. The tracks shall be positioned to provide support for equipment mounting. The length of the tracks shall be sized to allow for optimum use of the compartment interior.

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) horizontal channels on the back wall of the compartment.

ADJUSTABLE SHELVES

Two (2) adjustable shelf(s) shall be constructed of .188" thick smooth aluminum plate and be mounted in specified compartments with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge, and a broken rear edge for added strength and reinforcement. All shelves shall be orbital DA finish.

COMPARTMENT SHELF GRATING

The specified compartment shelf shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

The compartment shelf and or shelves shall have reflective striping added to the outside lip. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical and one (1) horizontal Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

BME Fire Trucks LLC

BACK BODY COMPARTMENTS

COMPARTMENT B1

One compartment shall be provided at the back of the apparatus body, below the hose bed and above the tailboard. This compartment shall span just center of the tank. The compartments approximate "clear door opening" is 27" wide by 34" high with a depth of 25". Compartment shall have two hat sections that are 4.25 inch wide and will be spaced two inches apart that run from either side of the compartment.

COMPARTMENT VENTILATION

A minimum 2-inch single "Weber" style polished stainless steel swivel vent with four (4) ¼-inch vent holes shall be provided. These vents shall have a stainless steel center bolt to lock the vent in either the open or closed position and be located in the compartment walls. All vents will contain fire resistant filters to minimize dust entering the compartment.

COMPARTMENT FLOOR DRAIN

The compartment shall be provided with rear corner floor drains to the underside of the body.

COMPARTMENT SILL PLATE

The compartment shall feature a polished stainless steel sill plate protecting the painted surface of the compartment when items are accessed.

AJUSTABLE UNISTRUT

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) channels on the left wall and two (2) channels on the right wall. The tracks shall be positioned to provide support for equipment mounting. The length of the tracks shall be sized to allow for optimum use of the compartment interior.

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) horizontal channels on the back wall of the compartment.

ADJUSTABLE SHELVES

One (1) adjustable shelve(s) shall be constructed of .188" thick smooth aluminum plate and be mounted in specified compartments with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge, and a broken rear edge for added strength and reinforcement. All shelves shall be orbital DA finish.

COMPARTMENT SHELF GRATING

BME Fire Trucks LLC

The specified compartment shelf shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

The compartment shelf and or shelves shall have reflective striping added to the outside lip. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

PUMP HOUSE COMPARTMENT (PH1)

There shall be a compartment located on the upper passenger side of the pump house. The compartment dimensions shall be approximately 21" wide x 23" high x 12" deep.

COMPARTMENT VENTILATION

A minimum 2-inch single "Weber" style polished stainless steel swivel vent with four (4) 1/4-inch vent holes shall be provided. These vents shall have a stainless steel center bolt to lock the vent in either the open or closed position and be located in the compartment walls. All vents will contain fire resistant filters to minimize dust entering the compartment.

COMPARTMENT FLOOR DRAIN

The compartment shall be provided with rear corner floor drains to the underside of the body.

BME Fire Trucks LLC

AJUSTABLE UNISTRUT

Adjustable Uni-Strut equipment mounting tracks shall be installed inside the compartment with two (2) channels on the left wall and two (2) channels on the right wall. The tracks shall be positioned to provide support for equipment mounting. The length of the tracks shall be sized to allow for optimum use of the compartment interior.

ADJUSTABLE SHELVES

One (1) adjustable shelf(s) shall be constructed of .188" thick smooth aluminum plate and be mounted in specified compartments with double bolt cast aluminum shelf brackets. Each shelf shall have a broken front edge, and a broken rear edge for added strength and reinforcement. All shelves shall be orbital DA finish.

COMPARTMENT SHELF GRATING

The specified compartment shelf shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

The compartment shelf and or shelves shall have reflective striping added to the outside lip. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

BME Fire Trucks LLC

PUMP HOUSE COMPARTMENT (PH2)

There shall be a compartment located on the lower passenger side of the pump house. The compartment dimensions shall be approximately 11.5" wide x 18" high x 18" deep.

COMPARTMENT VENTILATION LOUVERS

The specified compartments shall be provided with ventilation louvers. These units shall be approximately 4" to 6" in size to allow exterior air or interior air movement.

COMPARTMENT FLOOR DRAIN

The compartment shall be provided with rear corner floor drains to the underside of the body.

COMPARTMENT GRATING

The compartments shall be fitted with removable interlocking vinyl Dri-Dek grating. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

The specified Dri-Deck grating shall be black in color.

COMPARTMENT LIGHTING

The specified compartment shall have two (2) vertical Code 3 800 series lights installed.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

SLIDE-IN REAR LADDER COMPARTMENT - PASSENGER SIDE

The rear passenger side of the apparatus body shall have a vertically mounted slide-in ladder storage compartment. The compartment shall be **capable** of storing one (1) *20-foot three-section Duo Safety model #912 ladder, one (1) *backboard minimum dimensions 72" L x 16" W x 2" H (Ferno "Najo Light NB5500" or similar), one (1) *8-foot long pike pole and one (1) *5-foot digging bar, one (1) *8-foot rubbish hook, *New York Roof Hook with locking pins to secure each item.

*Items are to be purchased by the end user.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

BME Fire Trucks LLC

SLIDE-IN REAR SUCTION HOSE COMPARTMENTS

Two (2) suction hose storage compartments will be located above the side storage compartments on both sides of the apparatus. The compartments will hold a combined total of three (3) eight (8) foot sections of four (4) inch hard suction hose and strainer.

Both compartments will be capable of holding two (2) eight (8) foot sections of hose if needed. Each compartment will have a stainless steel painted hinged door on the rear of the compartment. Each compartment door will have a locking positive latching door latch.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

TOP COMPARTMENT TC1

The hose bed shall be provided with a compartment down the center of the hosebed. The top compartment shall have a one piece aluminum treadplate cover. Approximate "clear door opening" dimensions shall be 13" wide by 75" deep and 16" high.

ALUMINUM TREADPLATE DOOR

This compartment shall feature an embossed aluminum diamond plate lid. The lid shall be bare embossed aluminum diamond plate.

DOOR LATCH

The specified hinged door(s) shall be equipped with a sealed, black lever latch(es). Latch(es) shall be non-locking style.

LIGHTING

The specified compartment shall have no compartment lighting.

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

PAINTED ALUMINUM PANEL

There shall be a smooth aluminum panel bolted to the rear of the center top storage box.

BME Fire Trucks LLC

WHEEL WELL LINERS

Wheel well liners designed to protect the body from impact resulting from road debris thrown by the tires shall be installed. The removable liners shall be constructed from UHMW material to encompass the entire inner wheel well area. The liners shall be secured with stainless steel threaded fasteners.

REAR WHEEL FENDERETTES

Polished stainless steel fenderettes shall be installed at each rear wheel opening. The fenderettes shall be positioned outside of the wheel well panel to cover the tire area that extends past the body. The fenderettes shall be secured with stainless steel threaded fasteners.

DRIVERS SIDE BODY -- SCBA CYLINDER STORAGE PROVISIONS

A storage area for an SCBA cylinder shall be provided in the forward area of the driver's side wheel well. Dimensions shall be 8" diameter x 26" deep.

The SCBA door shall be a Cast Products door, the door shall feature a push button on the side to open door.

The SCBA cylinder storage tube shall be made from plastic. There shall be rubber matting to cushion the bottle glued into the tube.

SCBA CYLINDER STRAPS

There shall be a 1" nylon tether installed to secure the bottle in the storage tube.

DRIVERS SIDE BODY -- SCBA CYLINDER STORAGE PROVISIONS

A storage area for an SCBA cylinder shall be provided in the rearward area of the driver's side wheel well. Dimensions shall be 8" diameter x 26" deep.

The SCBA door shall be a Cast Products door, the door shall feature a push button on the side to open door.

The SCBA cylinder storage tube shall be made from plastic. There shall be rubber matting to cushion the bottle glued into the tube.

SCBA CYLINDER STRAPS

There shall be a 1" nylon tether installed to secure the bottle in the storage tube.

PASSENGER SIDE BODY -- SCBA CYLINDER STORAGE PROVISIONS

BME Fire Trucks LLC

A storage area for an SCBA cylinder shall be provided in the forward area of the passenger's side wheel well. Dimensions shall be 8" diameter x 26" deep.

The SCBA door shall be a Cast Products door, the door shall feature a push button on the side to open door.

The SCBA cylinder storage tube shall be made from plastic. There shall be rubber matting to cushion the bottle glued into the tube.

SCBA CYLINDER STRAPS

There shall be a 1" nylon tether installed to secure the bottle in the storage tube.

PASSENGER SIDE BODY -- SCBA CYLINDER STORAGE PROVISIONS

A storage area for an SCBA cylinder shall be provided in the rearward area of the passenger's side wheel well. Dimensions shall be 8" diameter x 26" deep.

The SCBA door shall be a Cast Products door, the door shall feature a push button on the side to open door.

The SCBA cylinder storage tube shall be made from plastic. There shall be rubber matting to cushion the bottle glued into the tube.

SCBA CYLINDER STRAPS

There shall be a 1" nylon tether installed to secure the bottle in the storage tube.

RUB RAILS, CLEARANCE LIGHTS, AND REFLECTIVE TAPE

The sides of the lower body area fore and aft of the wheel well area shall be provided with 2" x 1.25" x .250" extruded aluminum rub rails, with end caps or angled corners.

Specified part shall include White reflective striping.

FRONT OF BODY -- PROTECTIVE SURFACE

The entire front of the apparatus body shall include a protective surface, constructed of aluminum tread plate material.

FRONT CORNERS OF BODY -- PROTECTIVE SURFACES

BME Fire Trucks LLC

The front corners of the apparatus body shall include a protective surface installed. The surface shall be constructed of polished stainless steel material.

REAR BODY PANELS

The entire rear of the apparatus body shall be painted apparatus color.

OUTER REAR BODY PANELS -- PROTECTIVE COVERING

The rear outer panels of the body shall have protective surfaces installed on the corners. The protective covering shall be constructed of polished stainless steel material.

TOP OF BODY COMPARTMENTS -- PROTECTIVE SURFACES

The top of the side compartments shall have a protective surfaces installed. The surface shall be constructed of aluminum tread plate material.

ANODIZED ALUMINUM DRIP RAIL

All enclosed compartment doors shall be provided with an aluminum drip rail above the doors.

ALUMINUM – COMPARTMENT DOOR, HINGED OVERLAP

One (1) single, vertically hinged door shall be provide and fabricated from aluminum. The frame of the door shall be constructed of 1.75” x 1.75” x .125” aluminum tubing to prevent corrosion and provide structural support. The spacing created by the frame tubing shall filled with Styrofoam for added support, dent resistance, insulation and noise reduction. The exterior surface shall be .125” aluminum for durability. The interior surface shall be .080” aluminum. There shall be no mechanical fasteners, such as bolt heads or rivets on the inside or outside of the doors.

The exterior of the door shall overlap the opening of the compartment. A .75” lip shall be constructed around the opening of the compartment and the exterior of the door. A rubber seal shall be installed on the .75” lip on both the compartment and the door to provide for a double seal against water and dust. A rain gutter shall be mounted above the door creating a third layer of water protection.

The door shall be designed utilizing a D-ring style latch system. A 6” stainless steel D-ring latch, large enough to accommodate a gloved hand, shall be mounted on the exterior of the door. A stainless steel bezel shall be installed to house and protect the D-ring locking mechanism. The easily serviced bezel shall be mounted utilizing stainless steel screws. The D-ring locking mechanism shall be a double catch design. The first catch shall engage to secure the door in the event of improper closure. The second catch shall seal the door from water and other elements once the door has been properly closed.

BME Fire Trucks LLC

The door shall be mounted using a stainless steel piano style hinge and a .25" diameter hinge pin for stability. The vertical hinge shall be mounted to the body frame with threaded inserts and stainless steel screws to preserve functionality and ease of maintenance in the event of damage.

Gas struts shall be utilized to hold the door in the open position and to prevent the door from slamming during closing. The gas struts shall be mounted directly to the door with a stainless steel bracket assembly for stability and ease of maintenance. The gas struts shall be mounted to the interior of the compartment with a fully adjustable assembly.

The exterior of the compartment doors and the door frames shall be painted to match the body in quality and tone. The interior surface shall not be painted, it shall be sanded utilizing a dual orbital technique.

The specified door(s) shall have a Polished stainless-steel D-ring door handle.

The specified door(s) D-ring handles shall be equipped with manual key door locks keyed to use the 1250 key.

COMPARTMENT DOOR EDGE STRIPING

The hinged compartment doors shall have reflective striping applied on the edges. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

ALUMINUM – COMPARTMENT DOOR, HINGED OVERLAP

There shall be five (5) double, vertically hinged sets of doors fabricated from aluminum and installed on the apparatus body. Each door shall feature exterior surfaces which overlaps the opening of the compartment. The exterior surface shall be .125" aluminum for durability and damage resistance. The interior surface shall be .080" aluminum for structural support and overall appealing appearance of the compartment. The frame of the doors shall be constructed of 1.75" x 1.75" x .125" aluminum tubing to prevent corrosion and provide structural support. The spacing created by the frame tubing shall be filled with Styrofoam for added support and dent resistance, temperature insulation, and noise reduction.

A .75" lip shall be constructed around the opening of the compartment and the exterior of the door. A rubber seal shall be installed on the .75" lip of both the compartment and the door to provide for a double seal against water and dust. A rain gutter shall be mounted above the latch type door for an added third layer of water protection.

The doors shall be designed utilizing a D-ring latch system. A 6 inch stainless steel D-ring latch, large enough to accommodate a gloved hand, shall be mounted on the exterior of the door to allow the door to seal and fasten in the closed position. A stainless steel bezel shall be installed to house and protect the D-ring locking mechanism. The easily serviced bezel shall be mounted utilizing stainless steel screws for added stability of the mechanism

BME Fire Trucks LLC

and ease of maintenance in the event of damage. The D-ring locking mechanism shall be of a double catch design. The first catch shall engage to secure the door in the event of improper closure. The second catch will seal the door to water and other elements once the doors has been properly closed.

The doors shall be mounted with a stainless steel hinges with .25” diameter hinge pin for stability. The vertical hinges shall be mounted to the body frame with threaded inserts and stainless steel screws to preserve functionality with use or age and ease of maintenance in the event of damage.

Gas struts shall be utilized to hold the door in the open position and to prevent the door from slamming during closing. The gas struts are mounted directly to the door with a stainless steel bracket assembly for stability and ease of maintenance. The gas struts shall be mounted to the interior of the compartment with fully adjustable assembly for ease of adjustment and maintenance while increasing stability.

A polished stainless steel scuff guard shall be installed on the bottom of the compartment opening to prevent damage and wear to the paint and finish of the body module due to the removal and storage to equipment in the compartment.

The exterior of the compartment doors and the door jambs shall be painted to match the body in quality and tone. The interior of the door shall not be painted due to lack of exposure and inherent resistance to corrosion. The interior of the door shall be sanded utilizing a dual orbital technique. The sanding shall provide for a smooth, regular, scratch free surface on the interior of the door. The exterior skin to door frame joining seam shall be caulked and painted to provide a moisture proof seal.

Each compartment shall be provided with two vertically hinged doors with one (1) D-ring latch on each door in the set of doors.

The specified door(s) shall have a Polished stainless-steel D-ring door handle.

The specified door(s) D-ring handles shall be equipped with manual key door locks keyed to use the 1250 key.

COMPARTMENT DOOR EDGE STRIPING

The hinged compartment doors shall have reflective striping applied on the edges. The stripe shall be a 1-1/2" minimum in width.

Specified part shall include Red and White DOT approved reflective striping.

REAR STEP

The rear bumper shall be made from aluminum diamondback grip strut. The design of the grip strut shall allow for no debris or dust buildup and will allow for easy clean out with just water.

BME Fire Trucks LLC

The step shall be of a three piece design each section to operate independently during body and chassis flexing. The step will be full body width by a minimum 8-inch deep stand off type. When mounted, the loaded rear departure angle will be no less than 22 degrees.

The drop step will have locking positions to allow for up position storage and rear compartment door opening access. The drop step will incorporate a stop in the down position to prevent movement when in use.

AUXILIARY FIXED STEP -- DRIVERS SIDE REAR

Three (3) Cast Products 8" square cast aluminum auxiliary step(s) shall be provided. The step shall be installed on the rear drivers side of the body.

AUXILIARY FIXED STEP -- PASSENGER SIDE REAR

Three (3) Cast Products 8" square cast aluminum auxiliary step shall be provided. The step shall be installed on the rear passenger side of the body.

HANDRAILS

Three (3) knurled type non-slip handrail, approximately 18" in length, shall be vertically installed.

HANDRAILS

Two (2) knurled type non-slip handrail, approximately 42" in length, shall be vertically installed.

HANDRAILS

Two (2) knurled type non-slip handrail, approximately 12" in length, shall be horizontally installed.

HANDRAILS

One (1) knurled type non-slip handrail, approximately 60" in length, shall be horizontally installed.

HOSE BODY CONSTRUCTION SPECIFICATIONS

The hose bed side sheets and floor shall be constructed from aluminum material. The hosebed shall provide two separate hose beds one on the left and one on the right side of the top loaded center dunnage. The hose body shall be free of sharp corners, bolts, or other obstructions that may catch hose and other equipment.

HOSE BED DIVIDER

BME Fire Trucks LLC

Two (2) adjustable width hose bed divider constructed from no less than .250 (1/4") aluminum material shall be installed. The divider shall be secured to the hose bed by utilizing adjustable track type channels and fasteners. The divider shall be full length and depth of the hose bed.

HOSE STORAGE BRACKETS

Two (2) I-Zone hose brackets shall be provided on the rear of the apparatus body, rear-facing, one (1) on each side of the body. Approx length of the I-zone pole shall be 24".

ALUMINUM HOSEBED GRATING

The hose bed compartment deck shall be constructed entirely from maintenance-free, extruded aluminum slats. The slats shall feature an anodized, contoured, ribbed top surface. The slats shall be of widths approximately 3/4" high x 4.5" wide and shall be welded into a one-piece grid system to prevent the accumulation of water and allow ventilation to assist in drying hose.

ALUMINUM HOSEBED COVER

Two (2) separate aluminum tread plate hose bed covers shall be installed, 1/8-inch aluminum alloy diamond plate reinforced with a 1/8-inch aluminum alloy hat section as needed to support walking on the hose bed covers. The covers shall be hinged on the outboard side using full length polished stainless steel hinges with a minimum 3/8-inch pin and 1-inch joint length and installed to avoid any hindrance in walking on hose bed covers.

The hose bed covers shall have full length handrails installed along the rear lip and one (1) additional grab handle mounted on the top side of the covers and two (2) mechanisms on each cover to assist with opening and closing of the hose bed covers. Each hose bed cover shall have a mechanism to hold the hose bed cover in the open position and will be substantial enough to prevent accidental closing in extreme wind conditions.

The covers shall be reinforced so that they will support the weight of a person walking on the cover and shall be sloped to the outboard side of the apparatus to aid in water run-off.

HOSEBED REAR ENCLOSURE

A vinyl end skirt with three (3) straps, and large quick release buckles (minimum 2-inch) shall be installed on each hose bed cover. Quick release buckles and nylon tie down straps shall be attached to the end skirts. The end skirts will be weighted at the bottom end with a full width flat strip of metal sewn into the hem of the skirt. The end skirts, straps, buckles, etc. will be exposed to direct sun light and shall be protected against UV rays.

The flaps shall be red in color.

HOSEBED -- AREA LIGHTS

BME Fire Trucks LLC

(4) Tecniq E10 lights shall be provided and installed on hosebed door(s).

DOOR AJAR SENSOR

The Specified door(s) shall feature a magnetic proximity switch to indicate when the compartment door is ajar.

WATER TANK SPECIFICATIONS

A United Plastics Fabricating (UPF), 500 gallon booster tank (Poly Tank) shall be fabricated from a minimum of .500" polypropylene complete with a minimum of .375" polypropylene internal full height baffles that are raised 4" off the tank floor for maximum water flow between baffles. In addition, provisions for the main pump outlet, direct tank filler inlet, a pump to tank filler/churn valve inlet, a back pump filler outlet, a fitting for an electronic water level gauge sensor and clean outs for manual tank flushing shall be provided. The tank shall be structurally reinforced and restrained to prevent deformities or damage to the tank or apparatus body during stressed off road operations. The booster tank shall be a rectangular design, and shall be capable of being completely removable from the body without cutting or bending of any components. The tank and cradle assembly shall be mounted to the chassis frame in strict accordance to the tank manufacturer's installation guidelines.

The water tank shall be constructed of polypropylene, nitrogen-welded and tested inside and out. The tank manufacturer shall define the floor, top, sides, ends, and baffles material thicknesses. The tank shall carry a lifetime warranty. The water tank shall be manufactured by United Plastic Fabrication.

The transverse and longitudinal swash partitions shall be interlocked and welded to each other as well as to the walls of the tank. The partitions shall be designed and equipped with vent holes to permit air and liquid movement between compartments. The .cover shall be recessed .375" from the top of the side walls. Hold down dowels shall extend through and be welded to both the covers and the transverse partitions, providing rigidity during fast fill operations. Drilled and tapped holes for lifting eyes shall be provided in the top area of the water tank.

The water tank manufacturer shall certify the capacity of the water tank prior to delivery of the apparatus. This capacity shall be recorded on the manufacturer's record of construction and the certification shall be provided to the purchaser when the apparatus is delivered. Tank construction shall conform to applicable NFPA standards.

The water tank shall be configured in a rectangular style with consistent widths on the sides from top to bottom.

TANK FILL AND OVERFLOW PROVISIONS

The water tank shall have a combination vent and manual fill tower. The fill tower shall be fabricated from 1/2" polypropylene and shall have a minimum outer perimeter dimension of 8" x 8". The tower shall have a 1/4" thick polypropylene screen and a polypropylene hinged cover. Inside the fill tower, halfway down from the top, shall be fastened a vent overflow pipe. The vent overflow shall be fabricated from Schedule 40 polypropylene pipe, with a minimum I.D. of 4". The vent overflow shall be designed to run through the tank interior and shall be

BME Fire Trucks LLC

designed to exit the water tank interior behind the rear wheels.

The tank cover shall be fabricated from 1/2" thick polypropylene and shall incorporate a three-piece design which allows for the removal of each individual cover section for inspection or repair of the tank interior, if necessary. The tank cover shall be recessed 3/8" from the top of the tank sides and shall be welded to both the sides and the longitudinal baffles. Each of the three cover sections shall have hold downs to assist in keeping the cover rigid under fast filling conditions. These hold downs shall consist of 2" polypropylene dowels, spaced a maximum of 30" apart, fitted and then welded to the transverse partitions. The dowels shall extend through the cover sections and be welded to them. Two of the dowels shall be drilled and tapped to accommodate the tank lifting eyes.

The sump shall have a minimum dimension of 8" x 6" with a 3/4" thick bottom. On all tanks with a bulkhead suction inlet, a 3" Schedule 40 polypropylene pipe sweep shall be provided from the front of the tank to the sump location. The sump shall have a threaded plug located at the bottom of it for a tank drain and clean out.

There shall be two standard tank outlets: one for the tank to pump suction line, which shall be a minimum of a 3" NPTF coupling, and one for a tank fill line, which shall be a minimum of a 1-1/2" NPTF coupling. All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank.

The water tank shall rest on the body subframe cross members, which shall be spaced a maximum of 22" apart. The tank shall be insulated from those cross members by hard rubber insulators, with a minimum thickness of 1/4", glued and mechanically fastened to the cross members to protect the tank from direct contact with the steel body subframe. The tank shall be designed on a free-floating suspension principle and shall not require the use of additional hold downs. The tank shall be completely removable without disturbing or dismantling the apparatus body structure.

VENT AND OVERFLOW

The fill tower shall incorporate a vent and overflow system shall be designed into the water tank. The system shall include a 3" diameter PVC pipe that functions both as an air vent while emptying the tank and as an overflow when filling the tank. The overflow shall discharge excess water below the frame rails of the vehicle.

TANK SUMP AND DRAIN PROVISIONS

A one (1) cubic foot (minimum) polypropylene sump, with anti-swirl baffles shall be provided. The sump shall be located as close to the center of the tank floor as the chassis cross members, and differential driveline will allow.

One (1) 3-inch or 4-inch National Pipe Thread (NPT) outlet and plug shall be provided in the sump floor for flushing of the tank. A 1½-inch drain valve shall be provided in the tank sump for flushing of the booster tank. The valve will be located as to provide for adequate clearance from cross members and differential during extreme twisting motions of the chassis and buildup

The sump shall also be provided with a 1-inch NPT outlet for the back pump filler hose.

BME Fire Trucks LLC

Due to space constraints, it may be necessary to locate the main pump suction outlet in the tank sump for maximum water usage. The main pump suction tube will be of an adequate size to supply the main pump with enough water to meet pump ratings.

A minimum 3-inch direct tank fill NPT inlet and internal manifold shall be provided on the left rear of the tank. If the direct tank fill inlet is located on the rear tank wall, the inlet manifold shall pass through the first baffle and feature a turn down to eliminate any possible damage to the tank or baffles while filling the tank.

WATER TANK DRAIN PROVISIONS

A 3" plugged drain provision shall be installed in the bottom of the water tank, sump, or plumbing for water tank draining and the flushing-out of debris.

CLASS A FOAM TANK SPECIFICATIONS

The Class A foam tank shall have a capacity of 20 gallons. The foam tank shall be manufactured by UPF and have a lifetime warranty.

The tank shall be equipped with a positive sealing pressure/vacuum vent type cap, a low foam concentrate sensor that turns off the foam pump at a pre-set level, a visual sight gauge, an easily accessible brass or stainless steel drain valve located at the lowest point of the foam tank and an accessible brass or stainless steel cleanable strainer installed in the supply line from the foam tank to the foam pump.

The foam tank shall be mounted on a removable sub-structure. The tank will have a positive tie down. The tie down will allow for easy removal of the foam tank.

The foam tank will have two (2) quarter turn brass or stainless shut off valves at the pump supply and fill lines to allow for the removal of the tank without loss of foam. The float switch harness and the foam concentrate supply and fill lines shall have connections located adjacent to the tank to facilitate foam tank removal.

FOAM TANK FILL AND VENTING PROVISIONS

The foam concentrate tank shall be provided with a fill pipe having a volume of not less than 2 percent of the total tank volume. The filler opening shall be capped with a sealed air-tight threaded cover. The fill opening shall be designed to incorporate a removable screen and shall be located so that foam concentrate from a five (5) gallon container can be dumped into the tank.

The foam tank filler 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 pressure/vacuum vent shall not allow atmospheric air to enter the foam tank except during operation or to compensate for thermal fluctuations. The vent shall be protected to prevent foam concentrate from escaping or

BME Fire Trucks LLC

directly contacting the vent at any time. The vent shall be of sufficient size to prevent tank damage during filling or foam withdrawal.

A color coded label or visible permanent marking that reads "CLASS A -- FOAM TANK FILL" shall be placed at or near the foam concentrate tank fill opening. An additional label shall be placed at or near any foam concentrate tank fill opening stating the type of foam concentrate the system is designed to use.

Any restrictions on the types of foam concentrate that can be used with the system shall also be stated, along with a warning message that states "WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM."

A 3/4" diameter connection, piping, and gate type valve shall be installed for the foam tank for draining purposes.

DIRECT TANK FILL - REAR DRIVERS SIDE

A valve for direct filling of the tank shall be supplied. The 1/4 turn valve shall be configured with 2-1/2" NH female threads, debris screen, threaded plug with retention chain and lever handle. The valve shall be located on the drivers side rear of the apparatus.

One (1) Akron 8825 series swing-out style valve(s) shall be supplied and installed. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

The specified valve shall have a direct actuated 'local' control Akron Model TSC valve handle.

One (1) chrome brass 2-1/2" NH rocker lug plug with a securing chain or cable shall be installed on the intake.

(1) chrome plated brass 30 degree elbow with 2.5" swivel female NH x 2.5" male NH thread with rocker lugs shall be provided on the direct tank fill.

BACK PACK FILL SYSTEM

There shall be one (1) back pack fill system provided and installed on the lower area of the pump panel. The valve plumbing shall be 3/4" I.D. hose.

12 VOLT ELECTRICAL SPECIFICATIONS

The following describes the low voltage electrical system on the apparatus including all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The apparatus manufacturer shall conform to the latest Federal DOT standards, current automotive electrical system standards, and the applicable requirements of the NFPA 1906.

BME Fire Trucks LLC

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 shall not exceed 10 percent in all wiring from the power source to the using device. 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. Exposed wiring shall be run in a loom with a 290 degree Fahrenheit rating. Wiring looms shall be properly supported and attached to body members. Electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

All wiring connections and terminations shall provide positive mechanical and electrical connections and be installed in accordance with the device manufacturer's instructions. When wiring passes through metal panels, electrical connections shall be with mechanical type fasteners and rubber/plastic grommets.

Wiring between cab and body shall be split using Deutsch type connectors or enclosed in a terminal junction panel allowing body removal with minimal impact on the apparatus electrical system. Connections shall be insulated with heat shrink crimp-type tubing to resist moisture and foreign debris such as grease and road grime. Weather resistant connectors shall be provided throughout the system.

Electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. When required, automatic reset breakers and relays shall be housed in the main body junction panel.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless enclosed in an electrical junction box or covered with a removable electrical panel. Wiring shall be secured in place and protected against heat, liquid contaminants and damage and shall be uniquely identified at least every six inches (6") 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 1906 standards.

Low voltage protective devices shall be provided for the electrical circuits. The devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. Over current protection devices shall be automatic reset type suitable for electrical equipment 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. Electro-magnetic interference suppression shall be provided in the system as required in applicable SAE standards.

The electrical system shall include the following:

Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. All terminal plugs located outside of the cab or body shall be treated with a corrosion preventative compound.

All electrical wiring shall be placed in a protective loom or be harnessed.

Exposed connections shall be protected by heat shrink material and sealed connectors.

BME Fire Trucks LLC

Large fender washers shall be used when fastening equipment to the underside of the cab roof and all holes made in the roof shall be caulked with silicone.

Electrical components installed in exposed areas shall be mounted in a manner that will not allow moisture to accumulate inside.

A service loop shall be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.

Upon completion of the vehicle and prior to delivery, the apparatus shall be electrically tested and the electrical testing, certifications, and test results shall be submitted with delivery documentation per requirements of NFPA 1906.

ELECTRICAL WIRING HARNESS

The electrical system shall be divided into separate harnesses. The individual harness shall be connected with Deutsch type quick connectors. The wiring and appliances shall be protected by automatic reset type circuit breakers.

CUSTOM FABRICATED CONSOLE

A custom fabricated electrical console and enclosure shall be located between the driver's and the officer's seating positions. The center console will contain*two* USB dual 2.1-amp dual inlet charging ports one on the side of each seat in the front and two in the rear of the center console facing back on either side of the console.

12 VOLT FUSE BLOCK

One (1) dedicated circuit; 12 volt, power and ground shall be ran to the specified compartment to a Blue sea #5025 water resistant fuse block. The fuse block shall be rated up to 100A per block and 30A per circuit.

The specified power source shall be wired battery hot.

USB CHARGING PORT

Four (4) USB charging port(s) shall be installed in the cab of the truck for the fire departments accessory devices. The USB charging port shall have two (2) USB connections and shall have a 5 volt, 4.8A output with Intelligent Device Recognition capabilities.

The specified power source shall be wired to the switched battery circuit.

REAR OF CENTER CONSOLE MOUNTING BOARD

BME Fire Trucks LLC

On the very rear of the console shall be a vertical plate approximately 12-16 inches high that shall have four Zico UHH-1I fire helmet holders that will hang four wildland helmets for firefighters. This vertical plate will be from 1/4-inch steel will be removable with bolts and have vertical support brackets and gussets at the base for reinforcement.

The mounting board shall have two (2) Bendix King CHKNGVC9R2BE 12-volt dual chargers, USB charging ports mounted on both sides of the rear of the front seats next to the helmet racks on the helmet rack support.

The chargers will be powered when the ignition is on or the truck is plugged into shoreline power.

SPARE WIRING

Five (5) pair of spare wiring shall be provided. One wire shall be 12-volt battery switched controlled and the other shall be a 12-volt, 15-amp fused ignition switch controlled circuit.

The wiring shall be labeled as to their function, coiled, and located within the center console and behind the rear seat. Additional ignition and battery fuse panel (blue sea style) shall be included and will terminate in the center console.

BATTERY SWITCH - MASTER DISCONNECT

A battery cutoff switch shall be provided in the cab within easy reach of the driver; by the chassis manufacturer. There shall be a 200amp continuous rated solenoid installed and switched by the OEM battery master switch.

150 AMP CIRCUIT BREAKER

A "Class 1" (or equal) 150-amp circuit breaker shall be located between the master battery switch and the sub-panel. The 150-amp circuit breaker shall be located in an enclosed compartment with a removable door with four bolts that will be located in the battery box.

The wiring going to and from the circuit breakers will be insulated with loom and have rubber grommets where the wiring passes through metal compartments. All terminals on this panel shall be properly labeled and numbered with permanent, moisture and heat resistant material.

BATTERY CHARGER

A Kussmaul Autocharge 1200 PLC, model #091-187-12, automatic battery charger shall be provided. The battery charger shall be wired to the 12 volt battery system. Charger maintainer will be installed behind the rear seat driver's side. This area will be enclosed with 1/8-inch aluminum with a bolt on access cover with four bolts for servicing and have two 120-volt muffin fans on one side with equal breathing diameter holes on the opposite side that are activated when the engine is plugged in to 120 volts.

BME Fire Trucks LLC

KUSSMAUL SUPER AUTO EJECT DELUXE COVER

There shall be a Super Auto Eject with Deluxe Cover with Digital Display installed. The Super Auto Eject shall be a 120V, 15A eject. The digital display shall show volts and amps. Super Auto Eject shall be installed on the drivers' side of the cab with a 3/16 aluminum plate that has gussets installed on the angle bracket below the door and jam and not contacting the frame or battery box.

The specified auto eject cover shall be red.

IDENTIFICATION LIGHTS

All LED identification lights shall be installed on the vehicle as required by applicable highway regulations.

LICENSE PLATE MOUNTING

A front, predrilled license plate position shall be installed in the front bumper if permissible to the design. Passenger side.

LICENSE PLATE MOUNTING AND LIGHT

A predrilled backing plate and LED light shall be installed on the rear for mounting of the license plate.

STOP, TAIL, LIGHTS

Two (2) Peterson #817KR-7 4" LED lights shall be installed as stop/tail lights on the rear of the apparatus. They shall be grommet mounted.

TAIL LIGHTS

Two (2) Peterson #817KR-7 4" LED lights shall be installed as turn signal lights on the rear of the apparatus above the stop/turn lights. They shall be grommet mounted.

BACK UP LIGHTS

Two (2) Peterson #M817C-7 4" LED lights shall be installed as back up lights on the rear of the apparatus. They shall be grommet mounted.

ZONE C- LOWER REAR

BME Fire Trucks LLC

Two (2) Whelen M6 Series Model # M6RC warning light shall be provided. The warning light shall incorporate Linear Super-LED® and Smart LED® technology. The M6RC configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

The lens/reflector assembly shall be sealed and resistant to water, moisture, dust, and other environmental conditions. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.

The specified Whelen M6 lights shall be equipped with chrome plastic flange type light bezel mountings.

MAP LIGHT

One (1) Havis Shields #C-MAP-T-LED 12" LED map light, 12 volt, with a gooseneck arm an on-off switch located on the base of the light shall be installed on the dashboard.

FRONT BUMPER -- GROUND LIGHTS

There shall be two (2) Tecniq E10, LED ground light(s) installed under the front bumper. The lights shall activate by a button located on the Cencom core control head, and any time a cab door is opened.

CAB GROUND LIGHTS

There shall be four (4) Tecniq E10, LED ground lights installed under the cab door(s). The lights shall activate by a button located on the Cencom core control head, and any time a cab door is opened.

GROUND LIGHTS - PUMP PANEL

There shall be two (2) Tecniq E10, LED ground lights installed under the pump panel running board(s). The lights shall activate by a button located on the Cencom core control head, and any time a cab door is opened.

GROUND LIGHTS - UNDER REAR STEP

There shall be two (2) Tecniq E10, LED ground lights installed under the rear step area. The lights shall activate by a button located on the Cencom core control head, and any time a cab door is opened.

PIONEER MICRO

There shall be two (2) Whelen Pioneer Micro lights provided and installed on the apparatus. They shall be located in the center section of the front bumper in provided cutouts. The lights shall be controlled by a button labeled "Scene Front" on the whelen siren controller.

BME Fire Trucks LLC

FRONT BUMPER BEZEL

The center of the front bumper shall feature a bezel, the bezel shall trim out around the front tow plate and front Whelen Micro Pioneer lights and have an BME logo. The BME logo shall have reflective material behind it.

REFLECTIVE BACKGROUND

Part shall feature a Red reflective background.

PIONEER MICRO

There shall be six (6) Whelen Pioneer Micro lights provided and installed on the apparatus.

The lights shall be located:

- One located on each side of the pump house recessed into upper panels. Controlled by "Left Scene" and Right Scene switches on the Whelen siren controller
- Two located under the middle steps on the back of the apparatus. They shall be operated by the "Rear Scene" switch located on the Whelen siren controller
- Two (2) mounted rear facing under the rear of the body.

FRONT BUMPER BEZEL

The center of the front bumper shall feature a bezel, the bezel shall trim out around the front tow plate and front Whelen Micro Pioneer lights and have an BME logo. The BME logo shall have reflective material behind it.

REFLECTIVE BACKGROUND

Part shall feature a Red reflective background.

The scene lights shall be activated by individual buttons or switches on the cab center console. Left, right, and rear scene light controls.

PIONEER PLUS SCENE LIGHT

There shall be two (2) Whelen Pioneer Plus model# PCH1P1 with a switch and pole/pedestal mount located on the rear of the apparatus. The light heads shall be white in color. The light's shall be supplied with battery switched power, and be activated with the included light mounted switch.

BME Fire Trucks LLC

DOOR OPEN WARNING LIGHT

The door ajar warning system shall be separated into four zones, a Left, Right, upper hosebed area, and Rear zone. Each zone shall have an individually labeled warning light and also activate an audible alarm. The door ajar lights and audible alarm shall activate only when the apparatus parking brake has been released.

RADIO PRE-WIRE

There shall be a radio pre-wire provided in the cab center console. The prewire shall consist of a battery hot, battery switched, and a ground source.

SECOND RADIO INSTALLATION

One (1) additional fire radio(s) shall be installed in the center console next to the radio already being provided and installed in the Cal-Fire 2022 Radio Package.

RADIO SPEAKERS MOUNT

(2) interior cab ceiling mounted box(es) shall be installed and be pre wired, routed to the center console. The box shall be big enough to mount a speaker and be powder coated black.

RADIO ANTENNA INSTALLATION

There shall be four (4) radio antenna installed on the apparatus and routed to the cab center console.

RADIO EQUIPMENT PACKAGE

This section of the specification describes general requirements for the Radio Installation Package for the Type 3 Fire Apparatus. All items listed below shall be provided by the contractor and installed in the completed vehicle. One radio shall be provided to the contractor to ensure that the installation of the equipment has been completed properly, but the radio for each vehicle shall be installed by CALFIRE.

The quantities are listed per vehicle ordered.

Qty	Part Number	Description	Manufacturer	Notes
1	#AP-CCWG-Q-S22 22-RP3-BL	Antenna	Radio Mobile	
1	US-45S	US series, BK radio KNG-M150 version	Sigtronics	
1	KAA0660	RCH - Remote-control	BK Technologies	

BME Fire Trucks LLC

		Head for BK KNG M150R		
1	KAA0636	17' Control Cable	BK Technologies	
1	KAA0631	Side Rail Adapter kit to KMB-36	BK Technologies	
1	FP-BKM150-R	RCH 3" Faceplate	Troy Products	
1	KAA0638	RCH Install kit	BK Technologies	
1	KAA0290	Mic, programming	BK Technologies	
1	KAA0261	KNG Speaker Kenwood KES-5 is a suitable substitute	BK Technologies	
1	KMB-36	Radio mounting bracket	Kenwood product	
1	KLF-2	Noise filter on 12VDC	Kenwood product	
1	BKRA-1-CF	Radio Adapter System	Comtronix	
1	CCM150-6	BK Radio cable SIX foot	Comtronix	
1	SIG/US45S -6	Headset Interface SIX foot cable	Comtronix	
1	RRB/HORN-3	Horn Honk cable 3'	Comtronix	
1	SIG US-45S	Sigtronics Intercom System		
1	SIG SWS-4	Sigtronics Wireless system with 1 SE-9 wireless headset		
5	SIG SE-8	Wired Headset		
1	25-E2000-12	BARRIER STRIP 12 terminal European Style 20-12 AWG	NTE ELECTRONICS	
2	MAB8	NMO mount with 17' continuous RG58U Teflon cable	LAIRD	
2	B132S	Antenna, VHF NMO mount	LAIRD	
1	64391	12VDC 20 amp 5 pin Relay	Larson	

BME Fire Trucks LLC

2	14141-31075-000	Adaptor-Slide, Mounting Console, KNG-M	KNG-Mobile	
4	2822-31076-100	Machine Screw, Philips, Truss Head, #10-32 x 3/8	KNG-Mobile	Item "1" on Schematic
4	2841-31076-200	Lock Washer, External Tooth, #10	KNG-Mobile	Item "2" on Schematic
–	4101-00000-004	Bag, Plastic, 6-inch x 9-inch x 20mils, Ziplock	KNG-Mobile	Item "3" on Schematic
–	4101-00000-007	Bag, Plastic, 4-inch x 5-inch x 0.0015 inch	KNG-Mobile	
–	7005-31076-300	Instruction Sheet, Installation, KAA0631	KNG-Mobile	See Schematic and Installation Instruction on Page 6
4	CHKNGVC9R2BE	12-volt Dual Charger	Bendix King	

RADIO REMOTE HEAD(S)

There shall be one (1) KNG 150R fire radio(s) remote head(s) supplied by BME in addition to that which is supplied in the Cal-Fire 2022 radio package. It shall consist of the following:

- (1) KNG-M150R, 136-174 MHz, Digital/Analog, P25, 5000 Channels, 50 Watts Remote Mount
- (1) KAA0660, Remote Control Head Plug & Play KNG-Mxxx (Comes w/KAA0638 Install Kit)
- (1) KAA0290S, Handheld Programming Smart Microphone w/ Straight Connector (Standard) for KNG Mobiles & Base Station Series

RADIO SPEAKER(S)

There shall be (1) additional radio speaker(s) provided and installed by BME in addition to what is provided and installed in the Cal-Fire 2022 Radio Package.

AUTOMATIC VEHICLE LOCATOR

There shall be an automatic vehicle locator system supplied and installed on the apparatus. The kit shall consist of the following parts.

BME Fire Trucks LLC

560-ANT-MULTI-MAX-MIMO - Antenna, Cell/LTE/Wifi/GPS All-In-One#AP-CCWG-Q-S2222-RP3-BL

SKY-ST6100-BXXM - Orbcomm/SkyWave Satellite Modem(note: the IDP280 has been replaced by the ST6100)

270-7100-01 - Cable Assy, Antenna, IDP280, Skywave Satellite to Mounting Plate, with Right Angle Connector, 15 Ft

270-6820-02-Rev A - Cable Assy Power DC, Patriot/Jetway-BatterySaver,COMMs Mounting Plate, 9" x 25" (15 ft.)

270-5042-15 Cable, RJ45 Patch, CAT6, Black, 15ft. (Ethernet cable)

270-6810-01 DB9 Serial cable, Male and Female ends, 15ft.

BACK UP ALARM

One (1) solid state back up alarm shall be provided at the rear of the apparatus. The back up alarm shall be wired to the reverse circuit of the transmission, and shall provide an audible alarm to the rear of the apparatus when reverse gear is selected. The alarm shall have a volume of 87 to 112 db while in operation.

BACK UP CAMERA

There shall be a Rear View Safety back up camera system supplied and installed on the apparatus. The camera system shall consist of a 7" TFT LCD Digital Color Display, 130° Ultra Wide Angle Back Up Camera. Part # RVS-770613-HD. A reverse sensing RVS-770613HD auto dimming back up camera system shall be installed with a seven-inch monitor.

The camera for this system will be mounted in the dead box facing rear between hose beds covers.

The camera screen will be located in the open compartment facing rear in the dash.

This camera will not contact the stacked CAL FIRE stacked logo.

HEADLIGHT FLASHER

The white portion of the Whelen, M6DD light heads shall be programmed to function as the wig wags. It shall be activated in the "calling for the right of way" mode and be turned off in the "blocking of the right of way" mode by applying the parking brake. Should the feature need to be interrupted, the wig wags shall also incorporate a separate cut off switch on the Whelen CORE control head.

BME Fire Trucks LLC

ELECTRONIC SIREN

A Whelen CenCom Core C399 electric siren and lighting control module shall be installed. The siren shall be wired through the siren control head and the OEM horn ring and be activated only when the *calling for the right of way* function has been activated.

WHELEN CORE CONTROL HEAD

There shall be a Whelen model CCTL6 control head supplied with the Cencom Core system. It features a 3 section control head, with 8 push buttons, 4- position slide switch with a 7 position rotary knob. A manual siren and air horn button, and 3 traffic advisor control buttons.

WHELEN CORE WECANX TRAFFIC ADVISOR MODULE

There shall be a Whelen model CTA Traffic Advisor module interfaced with the Cencom Core system.

SIREN SPEAKER

One (1) Whelen Model #SA315P siren speaker shall be provided. The 100 watt siren speaker shall be designed in a black nylon composite housing with 123 decibel rating.

ZONE A FRONT UPPER -- LIGHTBAR

One (1) Whelen Model #TB-CALFIRE-ECT-M34 Cenator series WeCanx light bar shall be installed on the apparatus. The lightbar shall feature the following:

- Eight forward facing RED/WHT LIN6 lights
- Two forward facing LED take down lights.
- A left and right facing LED take down light.
- Four corner RED/WHT LIN6 lights.
- Two rear facing RED/AMBER LIN6 lights.

ZONE A -- LOWER FRONT WARNING LIGHTS

Two (2) Whelen M6 Series Model # M6D warning light shall be provided. The red portion shall be used as a front warning light and the white portion shall be used as front wig wags as well as additional area lighting when needed.

The specified Whelen M6 lights shall be equipped with chrome plastic flange type light bezel mountings.

ZONE A -- LOWER FRONT WARNING LIGHTS

BME Fire Trucks LLC

Two (2) Whelen WIONSMCR lights shall provided and installed on the front face of the bumper, towards the outer edge.

ZONE B AND D-- FRONT INTERSECTION

Two (2) Whelen M6 Series Model # M6RC warning light shall be provided. The warning light shall incorporate Linear Super-LED® and Smart LED® technology. The M6RC configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

The lens/reflector assembly shall be sealed and resistant to water, moisture, dust, and other environmental conditions. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.

The specified Whelen M6 lights shall be equipped with chrome plastic flange type light bezel mountings.

ZONE B AND D-- LOWER MID BODY

Two (2) Whelen M6 Series Model # M6RC warning light shall be provided. The warning light shall incorporate Linear Super-LED® and Smart LED® technology. The M6RC configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

The lens/reflector assembly shall be sealed and resistant to water, moisture, dust, and other environmental conditions. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.

The specified Whelen M6 lights shall be equipped with chrome plastic flange type light bezel mountings.

ZONE B AND D-- UPPER REAR CORNER

Two (2) Whelen M6 Series Model # M6RC warning light shall be provided. The warning light shall incorporate Linear Super-LED® and Smart LED® technology. The M6RC configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

The lens/reflector assembly shall be sealed and resistant to water, moisture, dust, and other environmental conditions. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses.

The specified Whelen M6 lights shall be equipped with chrome plastic flange type light bezel mountings.

ZONE C -- UPPER REAR WARNING LIGHTS

Two (2) Whelen M6 Series Model # M6K warning light shall be provided. The warning light shall incorporate Linear Super-LED® and Smart LED® technology. The M6K configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens.

BME Fire Trucks LLC

The lens/reflector assembly shall be sealed and resistant to water, moisture, dust, and other environmental conditions. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The M6K light shall include a split design including red and amber LEDs, with a clear lens

The specified Whelen M6 lights shall be equipped with chrome plastic flange type light bezel mountings.

REAR TRAFFIC ADVISOR, EIGHT (8) L.E.D. LAMPS

A Whelen TAZ86 eight lamp LINZ6 Super-LED Traffic Advisor with all amber lights shall be provided and mounted at the rear of the body. The solid state traffic advisor shall include model TACTL5 control head, or it can be directly connected to a Whelen CenCon Siren Head Controller.

PAINTING -- EXTERIOR CAB

The exterior of the chassis cab shall be finish painted in a single tone finish by the chassis manufacturer (White, PPG #1533-001).

BODY PAINTING SPECIFICATIONS

All exposed surfaces shall be prepared and painted using a multi-step process to ensure a blemish-free, protective coating for the base metal materials.

All removable items, such as brackets and compartment doors, shall be removed and painted separately to insure finish paint behind them after they are reinstalled.

Due to its modular design, the apparatus body shall be completely finish painted prior to its installation on the chassis.

The body shall be sanded, and cleaned. Any imperfections or defects in the metal shall be corrected with premium body filler and then sanded smooth.

An epoxy primer shall be utilized on all painted and coated surfaces and shall prepare the metal for the final paint. The direct-to-metal primer shall be used to create a first level seal allowing secure adhesion between the base metal and the subsequent substrates.

All body and components shall then be primed, thoroughly sanded, and meticulously inspected for any imperfections; which shall be properly corrected..

All surfaces shall then be painted with a base coat of premium paint following the guidelines as established by the paint manufacturer. The body shall be painted using a single color to match the cab primary color, and then shall be buffed to a high gloss finish.

BME Fire Trucks LLC

INTERIOR COMPARTMENT FINISH

The interior wall, floor and ceiling surfaces of compartments shall be finished with Rust-Oleum brand Multispec color flecked paint. The final color combination shall be determined in pre-con.

The specified compartment(s) shall be coated with Gray Stone colored Multi-Spec paint.

TOUCH-UP PAINT

Touch-up paint shall be furnished with the completed truck at final delivery.

VALVE PAINTING

All exposed valves shall be painted to match the color of the exterior body.

MISC PAINTING

The fuel tank support brackets, air tanks and mounting brackets shall be painted job color red.

LOOSE EQUIPMENT

The following equipment shall be provided with the completed apparatus. The equipment shall be new and unused, and shall meet all current NFPA safety regulations.

One (1) 7-foot length of 4-inch Kochek Maxi-Flex Suction Hose (small lug) w/NH threads

Two (2) 8-foot length of 4-inch Kochek Maxi-Flex Suction Hose (small lug) w/NH threads

One (1) 4-inch Kochek Suction Hose Strainer w/NH threaded couplings

Three (3) Hard line, ¾-inch x 50-foot sections, 800 psi test pressure with 1-inch NPSH threads

Two (2) Gated Wyes, 2½-inch NH Female to 1½-inch NH Male with chrome caps

Two (2) Heavy duty yellow extruded aluminum chock blocks (Worden Safety Products Co., HWC7YWH or equivalent)

One (1) Pike Pole 8-foot Fiberglass

One (1) Digging Bar, 5-foot (Porter # 17700 or equivalent)

One (1) Three section, 20-foot, aluminum extension ladder with halyards

BME Fire Trucks LLC

Four (4) Ziamatic # UH-6-30-2-SF walk-a-way mounting brackets with safety straps for MSA Stealth L-30 SCBA bottles (BME Mounted)

Two (2) 5-pound dry chemical ABC commercial grade portable fire extinguisher with permanent mounting brackets. (Kidde # 5TCM-4 or equal)

One (1) Set of FMVSS #125 approved bi-directional triangle warning reflector (set contains 3)

Two (2) Holtz Rubber Company (Lodi, CA) neoprene long-handle tool holder sets, shall be provided

One (1) 1½-inch NH female to 2½-inch NH male adapter

One (1) Zico # QM-CSM Chain Saw Mount

One (1) Akron # 448 Spanner Wrench Mount w/ two (2) style 10 Wrenches

One (1) Wheel lug nut wrench and handle, Budd #44201, 32-inch long (Vendor to state if providing a substitute)

One (1) 12-ton hydraulic jack, with screw extension ram

5# DRY CHEMICAL FIRE EXTINGUISHER

One (1) 5# ABC dry chemical fire extinguisher and mounting bracket shall be provided on the apparatus. The extinguisher shall have a pressure gauge and shall be filled with a dry chemical extinguishing agent.

HYDRAULIC JACK

One (1) hydraulic jack shall be provided. The jack shall be designed for lifting capacity of twelve (12) tons.

LUG WRENCH

There shall be one (1) lug wrench provided and shipped loose with the completed apparatus.

Cal-Fire Tag On Adjustment



GOLDEN STATE
FIRE APPARATUS

DEALER
SUPPLIED
EQUIPMENT
AND/OR
SERVICES

DEALER SUPPLIED EQUIPMENT and/or SERVICES

The following items and/or services will be provided by Golden State Fire Apparatus Inc. (GSFA):

LICENSED MANUFACTURER

The State of California Vehicle Code, section 11701 requires “every manufacturer of a vehicle subject to registration shall make application to the Department of Motor Vehicles (DMV) for a license containing a general distinguishing number”. The manufacturer has a current license at time of proposal and shall provide a copy upon request. Temporary licenses are not acceptable.

LICENSED DEALERSHIP

The State of California Vehicle Code, section 11701 requires a “dealer in vehicles of a type subject to registration, shall make application to the Department of Motor Vehicles (DMV) for a license containing a general distinguishing number”. Golden State Fire Apparatus, Inc. has a current license at time of bid as outlined above and is available upon request. Temporary licenses are not acceptable.

LICENSED SALES REPRESENTATIVE

The State of California Vehicle Code, section 11800 requires that it shall be “unlawful for any person to function as a vehicle salesperson without having first procured a license issued by the Department of Motor Vehicles (DMV)”. The representative has a current vehicle salespersons license at time of proposal and shall provide a copy upon request. Temporary licenses are not acceptable.

VEHICLE REGISTRATION

The State of California Vehicle Code section 11739 requires that the “dealer of a new motor vehicle sale is responsible for applying for the title, securing vehicle registration, and obtaining license plates for the Customer” through the Department of Motor Vehicles (DMV). Golden State Fire Apparatus, Inc. is a factory-authorized dealer of the vehicle being sold and is authorized to register with the State of California as a new vehicle manufacturer.

Once the contract has been paid in full, GSFA will make all necessary applications and complete all transfer papers, including applying for California Exempt “E” license plates.

FINAL INSPECTION, FACTORY TRIP

A final inspection trip to the manufacturing facility will be provided for two (2) Customer representative(s). The intent of this trip is to ensure that the apparatus is built to specification and to detect any deficiencies that require correction. The final inspection trip will have a duration of two (2) days and one (1) night and be scheduled at times mutually agreed upon between GSFA and the Customer. Costs for airfare, lodging, meals, and ground transportation while at the manufacturer’s location will be the responsibility of GSFA. Air travel will be from one of the following airports: Sacramento, San Francisco, or San Jose.

Costs such as Customer ground transportation in California, Customer airport parking, Customer luggage fees and Customer incidentals while traveling to the factory will be the responsibility of the Customer. Flight reservations are non-refundable and in the event of a cancellation after booking, the Customer will be responsible for all costs associated with this cancellation, which may include not only the original ticket cost but also any change or cancellation fees imposed by the airline and/ or travel agency. Flight reservations are also non-transferable.

DELIVERY (CUSTOMER LOCATION)

GSFA will, at their expense, deliver the Product (including any applicable equipment, spare parts, and supplies) to the Customer specified address.

To ensure proper break in of all components while still under warranty, the apparatus shall be delivered under its own power - rail or truck freight shall not be acceptable.

END of DEALER SUPPLIED EQUIPMENT and/or SERVICES



FIRE TRUCKS

PRODUCT
WARRANTIES

Exhibit "C"



FIRE TRUCKS

STANDARD WARRANTY

BASIC COVERAGE:

BME Fire Trucks LLC. warrants each new piece of Fire and Rescue Apparatus to be free from defects in material and workmanship under normal use and service and will at it's option repair or replace any part of this vehicle which proves defective in material and/or workmanship with new or re-newed parts for the first 12 months from new vehicle delivery date. This warranty shall not apply to any new product, which has been subjected to misuse, neglect, modification, alteration, accident, and lack of normal maintenance or items used in routine maintenance.

COMPONENT COVERAGE:

Certain components are given additional warranty coverage of variable time periods and distance traveled limitations. Component examples are frame rails, chassis cab components, engines, transmissions, driveline systems, water tank, etc. and are warranted by their respective manufacturers. Extended warranties are also available on many other specified chassis and body components and can be purchased as needed with the vehicle. Additional warranty coverage and extended warranties will vary depending on components specified and supplied. You may obtain more information regarding additional and extended coverage by contacting BME Fire Trucks LLC. or your local Boise Mobile Equipment Dealer.

DISCLAIMER:

NO WARRANTIES ARE GIVEN BEYOND THOSE DESCRIBED HEREIN. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY SPECIFICALLY DISCLAIMS WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OTHER REPRESENTATIONS TO THE USER/PURCHASER, AND ALL OTHER OBLIGATIONS OR LIABILITIES. THE COMPANY FURTHER EXCLUDES LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES, ON THE PART OF THE COMPANY OR SELLER. No person is authorized to give any other warranties or to assume any liabilities on the Company's behalf unless made or assumed in writing by the seller; and no other person is authorized to give any warranties or to assume any liabilities on the seller's behalf unless made or assumed in writing by the seller.

OBTAINING SERVICE:

Return the vehicle to any BME Fire Trucks LLC. dealer/authorized service center; return the vehicle to BME Fire Trucks LLC.; or contact BME Fire Trucks LLC. When contacted, BME Fire Trucks LLC. will authorize repair or replacement of parts as outlined above; will authorize a return



WE ARE WILDLAND

www.bmefire.com | 800.445.8342

of parts for inspection/repair or replacement if required; will direct you to the nearest Boise Mobile Equipment authorized service center if necessary.



WE ARE WILDLAND

www.bmefire.com | 800.445.8342



FIRE TRUCKS

10-YEAR BODY STRUCTURE WARRANTY

BODY STRUCTURAL WARRANTY

BME Fire Trucks LLC. (hereafter known as BME) warrants the fire body shall be free of structural or design failure or workmanship for a period of ten (10) years from the date the apparatus is put into service by the end user. This warranty is extended to the original purchaser only and terminates upon transfer of ownership or possession to any other entity.

A body is defined as the structure, which fabricated from steel, stainless steel or aluminum sheet metal and the associated framework that comprises fire body separate of the chassis cab area where the driver, passengers and controls are located. This warranty is strictly limited to that part of the body manufactured by BME and as defined above, exclusive of all hardware, purchased components, mechanical items, electrical items, or paintwork.

This warranty is expressly limited to the repair and/or replacement of defective items as BME may elect upon examination of any defects in material or workmanship. This warranty covers only labor for repair or replacement, which is reasonably necessary as determined by BME. All repairs must be expressly approved in writing by the BME warranty department prior to any work being performed. The failure to obtain approval for repairs from BME or to have the body repaired or replaced at BME or a place designated by BME shall void this warranty. Any repair or replacement performed by BME pursuant to this warranty shall be warranted under this warranty only for the duration of the original warranty.

BME's obligation to render any repairs under this warranty is subject to the following conditions in their entirety:

1. The claimed failure must be reported to BME, Inc within the above stated warranty period.
2. The claimed defective body must be returned to BME or an authorized BME warranty service center immediately after notification of BME. Transportation costs will be the responsibility of the purchaser, as will any charges for drivers, loading, unloading, or other costs associated with the transportation of the chassis.
3. BME will then have the unconditional right to examine the body to determine if the claimed defect falls within the scope of this warranty.



WE ARE WILDLAND

www.bmefire.com | 800.445.8342

This warranty shall not cover the following:

1. Damage caused by fire, misuse, neglect, or accident.
2. Damage caused by theft, vandalism, riot, or explosion.
3. Damage caused by acts of God such as lightning, flood, hurricane, etc.
4. Damage that may or may not, at BME's discretion, be caused by or associated with unauthorized repairs or modifications.
5. Damage that may or may not, at BME's discretion, be caused by or associated with lack or improper maintenance procedures.
6. Loss of time, loss of use of the chassis, inconvenience, lodging, food, or other consequential loss that may result from the claimed failure of the repair and claim procedure.

This warranty is expressly in lieu of all other warranties, expressed or implied.



WE ARE WILDLAND

www.bmefire.com | 800.445.8342



FIRE TRUCKS

PAINT WARRANTY

BASIC PAINT COVERAGE:

BME Fire Trucks LLC. PPG Paint Company warrants to the original purchaser the paint finish applied to each new piece of Fire and Rescue Apparatus to be free from defects in material and workmanship under normal use and service and will at its option repair or replace the paint of the damaged area. The warranty coverage shall be for a period of seven (7) years from the new vehicle delivery date. This warranty shall not apply to any new apparatus that has been subjected to misuse, neglect, modification, alteration, accident, and lack of normal maintenance practices.

SPECIFIC COVERAGE:

The paint finish applied to the BME Fire Apparatus is guaranteed to the original purchaser for a period of seven (7) years against the following:

- Peeling or delaminating of the topcoat and/or other layers of paint
- Cracking or checking
- Loss of gloss caused by cracking, checking, or chalking
- Any paint failure caused by defective paint materials covered by this guarantee

EXCLUSIONS:

A paint failure resulting from any of the following conditions is excluded from coverage:

- Paint deterioration caused by bubbles, blisters, or other film degradation due to rust or corrosion originating from the substrate
- Corrosion due to design/engineering (i.e., electrolysis dissimilar metals)
- Hazing, chalking or loss of gloss caused by improper care, abrasive polishes, cleaning agents, or heavy-duty pressure washing
- Paint deterioration caused by abuse, accidents, acid rain, chemical fallout, or other acts of nature
- Accidents, scratches, chips, or stone bruises due to normal vehicle use
- Repairs done over previously refinished areas unless stripped to bare metal
- Claims presented without proper guarantee documentation



WE ARE WILDLAND

www.bmefire.com | 800.445.8342

OBTAINING SERVICE:

Return the vehicle to any BME Fire Trucks LLC. dealer/authorized service center or contact BME Fire Trucks LLC. When contacted, BME Fire Trucks LLC. will authorize and will direct you to the nearest authorized paint repair facility if necessary.



WE ARE WILDLAND

www.bmefire.com | 800.445.8342

RESOLUTION NO. 2022-38
Board of Directors
Cameron Park Community Services District

December 19, 2022

RESOLUTION TO AUTHORIZE THE GENERAL MANAGER TO ENTER INTO A CONTRACT WITH GOLDEN STATE FIRE APPARATUS, INC. TO PURCHASE A TYPE III FIRE ENGINE MODEL 34 IN THE AMOUNT OF \$394,599.68 AND FUND SAID PURCHASE THROUGH FUND 07.

WHEREAS, Cameron Park Community Services District Fire Department is in need of a Type III replacement fire engine for the current Engine 389; and

WHEREAS, the Cameron Park Community Services District Fire Department Master Plan identifies the need to replace Engine 389 in Fiscal Year 2015-16; and

WHEREAS, Fire & Emergency Services Committee endorsed the purchase of the replacement fire engine for the Current Engine 389 using funds through Fund 07; and

WHEREAS, Golden State Fire Apparatus, Inc. is the sole source provider of the Cameron Park Wildland Urban Interface Type III Fire Engine; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Cameron Park Community Services District:

Authorizes the General Manager of Cameron Park Community Services District to enter into a contract with

- **WHEREAS**, Golden State Fire Apparatus, Inc. to purchase a Type III Fire Engine Model 34 in the amount of \$394,599.68
- Approves said purchase in the amount of \$394,599.68 through Fund 07.

PASSED AND ADOPTED by the Board of Directors of the Cameron Park Community Services District, at a regularly scheduled meeting, held on the 19th day of December 2022, by the following vote of said Board:

AYES:

NOES:

ABSENT:

ATTEST:

_____, President
Board of Directors

André Pichly, General Manager
Secretary to the Board

Equipment Rental History (1/7/2020 to present)

Cameron Park Community Services District
 Expanded General Ledger - Unposted Transactions Included In Report
 From 1/1/2018 Through 12/31/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Credit
07	4262	0000	0000	Fire Apparatus Equi...			Opening Balance	
07	4262	0000	0000	Fire Apparatus Equi...	1/17/2020	JV-1920-113	Reclass FD permit fee deposit department from CR-1920-274	14,144.00
07	4262	0000	0000	Fire Apparatus Equi...	1/31/2020	JV-2021-122	Reclass Fire App REv to GF, no budget for Fund 07	28,288.00
07	4262	0000	0000	Fire Apparatus Equi...	2/7/2020	CR-1920-304	FD Hired Equip Reimb check 01/27/20	14,144.00
07	4262	0000	0000	Fire Apparatus Equi...	4/20/2020	JV-1920-088	Reclass FD expenses Dept & Fund	14,144.00
07	4262	0000	0000	Fire Apparatus Equi...	6/2/2020	JV-2021-037	RECLASS FD expenses Funds 07 & 01	28,588.00
07	4262	0000	0000	Fire Apparatus Equi...	6/30/2020	JV-2021-091	FY19-20 Special Fund Revenue Accruals	1,312.29
07	4262	0000	0000	Fire Apparatus Equi...	6/30/2020	JV-2021-091	FY19-20 Special Fund Revenue Accruals	1,312.29
07	4262	0000	0000	Fire Apparatus Equi...	8/28/2020	CR-2021-086	State refund check #2 for FD hired equip. 08/17/20	1,312.29
07	4262	0000	0000	Fire Apparatus Equi...	8/28/2020	CR-2021-085	State refund check for FD hired equip. 08/17/20	1,312.29
07	4262	0000	0000	Fire Apparatus Equi...	10/2/2020	CR-2021-132	FD Hired Equip check 2UI20E020	18,785.25
07	4262	0000	0000	Fire Apparatus Equi...	10/2/2020	CR-2021-133	FD Hired Equip check 2UI20E030	18,557.55
07	4262	0000	0000	Fire Apparatus Equi...	10/16/2020	CR-2021-153	FD Hired Equip Check 09/28/20	808.34
07	4262	0000	0000	Fire Apparatus Equi...	11/20/2020	CR-2021-188	CA State check FD Hired Equipment 65-523882	504.00
07	4262	0000	0000	Fire Apparatus Equi...	11/20/2020	CR-2021-189	CA State check FD Hired Equipment 65-523883	4,914.00
07	4262	0000	0000	Fire Apparatus Equi...	12/4/2020	CR-2021-202	FD Hired Equip check 2UIOE169	35,280.00
07	4262	0000	0000	Fire Apparatus Equi...	12/4/2020	CR-2021-203	FD Hired Equip check 2UIOE171	126.00
07	4262	0000	0000	Fire Apparatus Equi...	12/4/2020	CR-2021-204	FD Hired Equip check 2UIOE172	504.00
07	4262	0000	0000	Fire Apparatus Equi...	12/23/2020	CR-2021-224	FD Hired Equip Check 2UIOE215 12/14/20	2,732.40
07	4262	0000	0000	Fire Apparatus Equi...	1/5/2021	CR-2021-236	FD Hired Equip check - State #2UIOE212	80,939.76

Cameron Park Community Services District
Expanded General Ledger - Unposted Transactions Included In Report
From 1/1/2018 Through 12/31/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Credit
07	4262	0000	0000	Fire Apparatus Equi...	1/5/2021	CR-2021-237	FD Hired Equip check - State #2UIOE209	103,224.00
07	4262	0000	0000	Fire Apparatus Equi...	1/5/2021	CR-2021-238	FD Hired Equip check - State #2UIOE173	4,914.00
07	4262	0000	0000	Fire Apparatus Equi...	1/5/2021	CR-2021-239	FD Hired Equip check - State #1UIOS6590	3,603.60
07	4262	0000	0000	Fire Apparatus Equi...	1/5/2021	CR-2021-240	FD Hired Equip check - State #2UIOE170	1,628.06
07	4262	0000	0000	Fire Apparatus Equi...	1/5/2021	CR-2021-241	FD Hired Equip check - State #2UIOE210	27,096.30
07	4262	0000	0000	Fire Apparatus Equi...	1/12/2021	CR-2021-249	FD Hired Equip Check #2UIOE246 12-28-20	12,144.00
07	4262	0000	0000	Fire Apparatus Equi...	2/25/2021	CR-2021-318	DOI Treasury (BLM) ACH Payment hired equipment 02-25-21	6,929.96
07	4262	0000	0000	Fire Apparatus Equi...	6/30/2021	JV-2122-023	20/21 Revenue Accrual	2,240.00
07	4262	0000	0000	Fire Apparatus Equi...	7/2/2021	CR-2122-005	State Reimb check FD hired equip #19 for 6-21-21	1,120.00
07	4262	0000	0000	Fire Apparatus Equi...	7/2/2021	CR-2122-006	State Reimb check FD hired equip #20 for 6-21-21	1,120.00
07	4262	0000	0000	Fire Apparatus Equi...	9/17/2021	CR-2122-119	FD hired equip check 2UIIE002	2,024.00
07	4262	0000	0000	Fire Apparatus Equi...	10/29/2021	CR-2122-184	FD hired equip check inv# 2UIIE070	560.00
07	4262	0000	0000	Fire Apparatus Equi...	10/29/2021	CR-2122-185	FD hired equip check inv# 2UIIE069	840.00
07	4262	0000	0000	Fire Apparatus Equi...	10/29/2021	CR-2122-186	FD hired equip check inv# 2UIIE068	16,764.00
07	4262	0000	0000	Fire Apparatus Equi...	10/29/2021	CR-2122-187	FD hired equip check inv# 2UIIE067	20,240.00
07	4262	0000	0000	Fire Apparatus Equi...	11/30/2021	CR-2122-234	FD Hired Equip check inv# 2UI1E5788 Caldor Fire	4,900.50
07	4262	0000	0000	Fire Apparatus Equi...	11/30/2021	CR-2122-233	FD Hired Equip check inv# 2UI1E108 AEU July move up	2,024.00
07	4262	0000	0000	Fire Apparatus Equi...	11/30/2021	CR-2122-232	FD Hired Equip check inv# 2UI1E107 AEU July move up	14,927.00
07	4262	0000	0000	Fire Apparatus Equi...	11/30/2021	CR-2122-231	FD Hired Equip check inv# 2UI1E119 AEU August move up	7,969.50

Cameron Park Community Services District
 Expanded General Ledger - Unposted Transactions Included In Report
 From 1/1/2018 Through 12/31/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Credit
07	4262	0000	0000	Fire Apparatus Equi...	11/30/2021	CR-2122-230	FD Hired Equip check inv# 2UI1E106 AEU July move up	8,096.00
07	4262	0000	0000	Fire Apparatus Equi...	12/17/2021	CR-2122-257	FD Hired Equip check 2UI1E109	4,048.00
07	4262	0000	0000	Fire Apparatus Equi...	12/17/2021	CR-2122-258	FD hired equip check inv# 2UI1E7001	3,339.60
07	4262	0000	0000	Fire Apparatus Equi...	12/17/2021	CR-2122-259	FD hired equip check inv# 2UI1E121	22,176.00
07	4262	0000	0000	Fire Apparatus Equi...	12/17/2021	CR-2122-260	FD hired equip check inv# 2UI1E7000	77,089.10
07	4262	0000	0000	Fire Apparatus Equi...	1/7/2022	CR-2122-286	FD Hired Equip check 2UI20E020	31,169.60
07	4262	0000	0000	Fire Apparatus Equi...	2/4/2022	CR-2122-331	FD hired equip check Inv# 2UI1E7008 01/27/22	1,492.70
07	4262	0000	0000	Fire Apparatus Equi...	2/4/2022	CR-2122-332	FD hired equip check Inv# 2UI1E7002 01/24/22	202.40
07	4262	0000	0000	Fire Apparatus Equi...	2/4/2022	CR-2122-333	FD hired equip check Inv# 2UI1E7003 01/24/22	809.60
07	4262	0000	0000	Fire Apparatus Equi...	2/4/2022	CR-2122-334	FD hired equip check Inv# 2UI1E7005 01/24/22	1,676.40
07	4262	0000	0000	Fire Apparatus Equi...	2/11/2022	CR-2122-349	FD Hired Equip check 2UI1E7009	202.40
07	4262	0000	0000	Fire Apparatus Equi...	2/11/2022	CR-2122-348	FD Hired Equip check 2UI1E7011	404.80
07	4262	0000	0000	Fire Apparatus Equi...	2/11/2022	CR-2122-347	FD Hired Equip check 2UI1E7010	796.95
07	4262	0000	0000	Fire Apparatus Equi...	2/18/2022	CR-2122-356	FD Hired Equip check 2UI1E7006	2,024.00
07	4262	0000	0000	Fire Apparatus Equi...	4/15/2022	CR-2122-432	FD Hired Equip check 2UI1E7018	739.20
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	81.00
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	54.00
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	492.80
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	492.80
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	492.80

Cameron Park Community Services District
 Expanded General Ledger - Unposted Transactions Included In Report
 From 1/1/2018 Through 12/31/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Credit
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	2,956.80
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	492.80
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	246.40
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	246.40
07	4262	0000	0000	Fire Apparatus Equi...	5/6/2022	CR-2122-466	Hired Equipment Checks From 4/15/22 - 04/19/22	1,232.00
07	4262	0000	0000	Fire Apparatus Equi...	6/30/2022	JV-2122-80	21/22 Revenue Accrual	48,000.00
07	4262	0000	0000	Fire Apparatus Equi...	8/12/2022	CR-2223-084	FD State check hired equip FY 21/22-5	28,000.00
07	4262	0000	0000	Fire Apparatus Equi...	9/30/2022	CR-2223-151	Admin Fee Hired Equip FPAU21-22 FY21/22-6	20,000.00
07	4262	0000	0000	Fire Apparatus Equi...	9/30/2022	CR-2223-152	Hired Equip Check Electra FY22/23	4,984.10
07	4262	0000	0000	Fire Apparatus Equi...	9/30/2022	CR-2223-153	Hired Equip FPAU21-22 FY21/22-6	20,000.00
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-208	FD Hired Equip check Inv# FD22/23-7 10/10/22	31,000.00
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-209	FD Hired Equip check Inv# 2UI1E8304 10/11/22	221.10
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-210	FD Hired Equip check Inv# 2UI1E8305 10/11/22	221.10
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-211	FD Hired Equip check Inv# 2UI1E8306 10/10/22	663.30
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-212	FD Hired Equip check Inv# 2UI1E8307 10/11/22	221.10
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-213	FD Hired Equip check Inv# 2UI2E8309 10/11/22	3,527.43
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-214	FD Hired Equip check Inv# 2UI2E8310 10/11/22	4,515.10
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-215	FD Hired Equip check Inv# 2UI2E8311 10/11/22	2,680.84
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-216	FD Hired Equip check Inv# 2UI1E8314 10/11/22	442.20
07	4262	0000	0000	Fire Apparatus Equi...	11/4/2022	CR-2223-217	FD Hired Equip check Inv# 2UI1E8315 10/11/22	442.20

Cameron Park Community Services District
 Expanded General Ledger - Unposted Transactions Included In Report
 From 1/1/2018 Through 12/31/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Credit
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-237	FD Hired Equip Check Inv#FY 22/23-9 11/07/22	23,000.00
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-236	FD Hired Equip Check Inv#FY 22/23-8 11/07/22	30,000.00
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-235	FD Hired Equip Check Inv#2UI2E8316 10/26/22	8,606.92
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-234	FD Hired Equip Check Inv#2UI2E8312 10/26/22	10,864.47
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-233	FD Hired Equip Check Inv#2UI1E8303 10/26/22	8,606.92
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-232	FD Hired Equip Check Inv#2UI1E8302 10/21/22	1,693.16
07	4262	0000	0000	Fire Apparatus Equi...	11/16/2022	CR-2223-231	FD Hired Equip Check Inv#2UI1E8300 10/20/22	2,257.55
07	4262	3000	0000	Fire Apparatus Equi...	9/30/2022	CR-2223-151	Admin Fee Hired Equip FPAU21-22 FY21/22-6	10,000.00
07	4262	3000	0005	Fire Apparatus Equi...	1/17/2020	CR-1920-274	FD State Reimb Hired Equip Checks 01/06/20	14,144.00
Transaction Total								<u>937,123.42</u>
Balanc...				Fire Apparatus Equi...				<u>937,123.42</u>
Report Opening/Current Balance								0.00
Report Transaction Totals								<u>937,123.42</u>
Report Current Balances								<u>937,123.42</u>
Report Difference								<u><u>937,123.42</u></u>

FY 2021/22 Fund 07 Expenses

Cameron Park Community Services District
Expanded General Ledger - Unposted Transactions Included In Report
From 7/1/2021 Through 6/30/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Debit	Credit
07	5210	0000	0000	Agency Administrati...			Opening Balance	0.00	
07	5210	0000	0000	Agency Administrati...	3/15/2022	API-2122-038	2020 Fire Engine E-88 1st pymt (Docs fee) 04/01/22	500.00	
07	5210	0000	0000	Agency Administrati...	3/15/2022	API-2122-038	2020 Fire Engine E-88 1st pymt (Title fee) 04/01/22	150.00	
Transaction Total								<u>650.00</u>	<u>0.00</u>
Balanc				Agency Administrati...				650.00	
07	5310	0000	0000	Government Fees/P...			Opening Balance	2,883.00	
07	5310	0000	0021	Government Fees/P...			Opening Balance	1,529.87	
07	5310	3000	0000	Government Fees/P...			Opening Balance		2,883.00
07	5310	3000	0029	Government Fees/P...	3/15/2022	API-2122-037	Permit for FD 88 Remodel 3/15/22	2,883.00	
Transaction Total								<u>2,883.00</u>	<u>0.00</u>
Balanc				Government Fees/P...				4,412.87	
07	5317	0000	0000	Interest			Opening Balance	8,234.75	
07	5317	0000	0000	Interest	3/15/2022	API-2122-038	2020 Fire Engine E-88 1st pymt (Interest) 04/01/22	17,095.73	
07	5317	0000	0020	Interest			Opening Balance	3,726.54	
07	5317	0000	0020	Interest	12/15/2021	API-2122-025	Fire Truck interest due (never rec'd inv)	1,068.64	
Transaction Total								<u>18,164.37</u>	<u>0.00</u>
Balanc				Interest				30,125.66	
07	5345	0000	0000	Maint. - Buildings			Current Balance	13,773.42	
07	5350	0000	0021	Maint. - Equipment			Current Balance	155.73	
07	5355	0000	0021	Maint. - Grounds			Current Balance	8,370.84	
07	5415	0000	0021	Printing			Current Balance	4.82	
07	5440	0000	0000	Rent/Lease - Equip...			Current Balance	74,226.14	
07	5625	0000	0000	Capital Equipment ...			Opening Balance	224,286.31	
07	5625	0000	0000	Capital Equipment ...	12/15/2021	API-2122-025	Fire Truck Payment 12/15/20	78,072.18	
07	5625	0000	0000	Capital Equipment ...	3/15/2022	API-2122-038	2020 Fire Engine E-88 1st pymt (Principal) 04/01/22	80,408.60	
07	5625	0000	0008	Capital Equipment ...			Opening Balance	15,700.00	

Cameron Park Community Services District
 Expanded General Ledger - Unposted Transactions Included In Report
 From 7/1/2021 Through 6/30/2022

Fund Code	GL Co...	Depar... Code	Program Code	GL Title	Effective Date	Session ID	Description	Debit	Credit
07	5625	0000	0020	Capital Equipment ...			Opening Balance	115,778.53	
07	5625	0000	0020	Capital Equipment ...	7/16/2021	API-2122-012	FD E88 New Type 1 Engine Cord/Webbing 07/16/21	49.76	
07	5625	0000	0020	Capital Equipment ...	11/30/2021	API-2122-023	FD New Engine parts	249.00	
07	5625	0000	0020	Capital Equipment ...	1/31/2022	API-2122-032	New Fire Engine Equipment Expense	1,700.83	
07	5625	0000	0020	Capital Equipment ...	2/28/2022	API-2122-036	Capital Expense Fire Engine	1,332.66	
07	5625	0000	0021	Capital Equipment ...			Opening Balance	513,721.92	
07	5625	0000	0021	Capital Equipment ...	7/1/2021	API-2122-001	FD89 Drill Twr port pot 18 days FY21/22	67.98	
07	5625	0000	0021	Capital Equipment ...	7/19/2021	API-2122-004	FD Training tower porta potty 07/19-08/15/21	105.73	
07	5625	0000	0021	Capital Equipment ...	8/5/2021	API-2122-006	FD89 Tower Const. Foundation work July/Aug 2021	45,500.61	
07	5625	0000	0021	Capital Equipment ...	8/6/2021	API-2122-009	#B277360, FD 89 Training tower access sign chain 08/06/21	53.10	
07	5625	0000	0021	Capital Equipment ...	8/16/2021	API-2122-009	FD89 Tower, porta potty 08/16-09/12/21 #29561	105.73	
07	5625	0000	0021	Capital Equipment ...	8/31/2021	API-2122-011	FD - Cap Equip sign for traing tower	24.06	
07	5625	0000	0021	Capital Equipment ...	9/14/2021	API-2122-011	FD89 tower, porta potty 09/14/21 #29561	105.73	
07	5625	0000	0021	Capital Equipment ...	11/18/2021	API-2122-021	Electric to Training Tower 11/18/21	4,200.00	
07	5625	0000	0021	Capital Equipment ...	6/9/2022	API-2122-050	FD Tower Contract retainage - Final 06/09/22	13,400.00	
07	5625	0000	0026	Capital Equipment ...			Opening Balance		13,071.51
07	5625	0000	0029	Capital Equipment ...			Opening Balance	2,550.00	
07	5625	0000	0029	Capital Equipment ...	1/27/2022	API-2122-030	FD88 remodel permit submittal plans FY 21/22	4,750.00	
07	5625	0000	0029	Capital Equipment ...	5/6/2022	API-2122-048	88 Remodel Plans 11/1/21 - 4/30/22	4,457.50	
Transaction Total								<u>234,583.47</u>	<u>0.00</u>
Balanc...				Capital Equipment ...				<u>1,093,548.72</u>	

Cameron Park Community Services District
 Expanded General Ledger - Unposted Transactions Included In Report
 From 7/1/2021 Through 6/30/2022

<u>Fund Code</u>	<u>GL Co...</u>	<u>Depar... Code</u>	<u>Program Code</u>	<u>GL Title</u>	<u>Effective Date</u>	<u>Session ID</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
								984,941.87	15,954.51
Report Opening/Current Balance									
Report Transaction Totals								256,280.84	0.00
Report Current Balances								1,241,222.71	15,954.51
Report Difference								1,225,268.20	

Terms and Conditions:

Lessor: Financial Pacific Leasing, Inc., d.b.a. Umpqua Bank Equipment Leasing & Finance, a subsidiary of Umpqua Bank or it’s assigns (“Lessor”)

Lessee(s): Cameron Park Community Service District

Equipment Financing Vehicle: Municipal Lease-Purchase Agreement

Equipment & Cost: Fire Truck & Equipment, (the “Equipment”). All Equipment shall be satisfactory to Lessor.

Lease Amount: Lease Not to exceed \$613,418.52 in the aggregate.

Term: Payments: Seven (7) years

Lease Rate: Seven (7) payments, payable annually in arrears of \$100,501.73
3.49%

Tax Benefits: The lease rate specified above is based upon the like term (7 year) Federal Reserve Board Swap Rate published in the BAML Mercury-Market Summary (“Index”) at 2.67% as of 1/29/19. Should the Index increase prior to any lease schedule documentation and commencement, the lease rates shall be adjusted to maintain the economic returns anticipated by Lessor.

Commencement Date: The lease shall be considered a municipal lease/purchase and qualifies for tax-exempt status. Lessee shall pay all fees, assessments, sales, use, property and other taxes imposed, except those levied on the net income of Lessor by the United States, the State of California, or other applicable jurisdiction.

Interim Rent: It is contemplated that the Equipment will be installed and acceptable for Lease Commencement on February 15, 2019 and/or on the first or fifteenth day of each month thereafter.

Progress Payments: Interim rent will be payable from the funding date to the Lease Commencement Date at a rate equal to the Lease Rate Factor applied on a per diem basis to the amount funded.

Lessor will consider periodically disbursing funds to various Equipment vendors under a progress payment agreement (PPA) between Lessor and Lessee. Any funds outstanding under the PPA shall accrue interest from the date of funding to the lease funding date at the 30 day LIBOR rate + 550bp. Such interest shall be calculated 15 days prior to the 1st day of each month and shall be fixed for each monthly period thereafter. Interest shall be payable on the 1st day of each month after initial funding. No interest shall be capitalized into the Equipment cost.



End of Lease Options: At the end of the initial lease term, Lessee will have the option to purchase all, but not less than all, of the Equipment for \$1.00.

Expiration of Facility: Takedowns shall be allowed in amounts greater than \$100,000.00. All takedowns shall occur prior to February 15, 2020 and without extension, the facility shall expire. Lessor shall have no obligation to lease any item of Equipment after said date.

Net Lease: All costs of operation, maintenance, taxes, insurance and other affiliated costs will be paid by Lessee as this transaction has been structured as a net lease.

Insurance: Lessee will provide evidence of all-risk physical damage and liability insurance coverage in such amounts and with deductibles all as may be required by Lessor. In addition, endorsements and assignments of such policies shall name Lessor (and its assigns) as loss payee and/or additional insured, as may be required by Lessor. All insurance coverage shall be from a carrier acceptable to Lessor.

Maintenance: Lessee shall, at its sole cost and expense, maintain the Equipment in compliance with all statutes, laws, ordinances, regulations, standards, and directives (including environmental) by any governmental agency and the Equipment must be maintained in accordance with all manufacturer's suggested and recommended maintenance procedures including preventive maintenance; and such other maintenance and return conditions as the Lessor may require.

Documentation: All legal matters and all documentation to be executed in connection with the contemplated lease shall be satisfactory in form and substance to Lessor and counsel to Lessor.

Costs & Expenses: Lessee shall be responsible for all fees, costs and disbursements incurred by Lessor in connection therewith, including without limitation, all fees and disbursements of counsel to Lessor (if any), appraisal costs (if any) and all filing and search fees. A documentation fee of \$500 per lease schedule/takedown will be payable by Lessee.

Security Deposit: A \$1,000.00 security deposit shall be payable to Lessor upon acceptance of this proposal. This security deposit, less all costs and expenses incurred by the Lessor, including but not limited to documentation and attorney's fees, will be refunded should Lessor not offer an approval for this transaction.

If an approval is extended by Lessor and accepted by Lessee, the security deposit shall convert to an approval fee ("Approval Fee"), which would all be non-refundable if the transaction were not consummated. If the contemplated transaction were consummated, the Approval Fee would be refunded pro-rata (funded amount to the Amount approved) less any costs and expenses incurred by Lessor in connection with this transaction.

**Additional Terms
& Conditions:**

1) Any non-appropriation clause in the lease shall be satisfactory to Lessor.

- 2) Anticipated borrowing for 2019 will not exceed \$10,000,000, making the lease "Bank Qualified" under section 265(b)(3) of the IRS Code.
- 3) Lessee is a state or political subdivision thereof, within the meaning of Section 103 of the Internal Revenue Code of 1983.
- 4) Lessor shall receive an Opinion from Lessee's counsel stating that the lease qualifies for tax-exempt financing under IRS guidelines and the Opinion must reference #2 and #3 above.

Confidentiality:

Except as required by law, neither the proposal nor its Terms and Conditions will be disclosed publicly or privately except to those individuals who are your officers, employees or advisors who have a need to know as a result of being involved in the proposed financing. The foregoing confidentiality provisions shall not apply to the disclosure of the federal income tax structure or treatment of the proposed financing.

Authorization:

Lessee [and each Guarantor] acknowledges and agrees that Lessor may furnish all Lessee [and Guarantor] presented information, financials, analysis, and related credit and review materials to its employees, counsel and agents as well as its participants and assigns. Lessee [and each Guarantor] authorize Lessor to contact Umpqua Bank, and all trade suppliers and other references of Lessee [and Guarantor], and to order any and all credit checks and investigative reports, all as Lessor deems necessary in connection with the evaluation of the transaction.

This proposal is for discussion purposes only, and is only a general, non-binding proposal on the part of Lessor.

I/We have reviewed the above Terms and Conditions and request the Lessor to pursue underwriting and approval of a commitment for the described lease agreement.

Accepted this 7 day of March, 2019

Cameron Park Community Service District

By: Vicky Neubauer for Jill Ritzman
Printed Name: Vicky Neubauer
Title: Finance/HR Officer



Budget and Administration Committee
Tuesday, December 6, 2022
6:45 p.m.

Agenda

Members: Chair, Felicity Wood Carlson (FC), Vice-Chair, Director Sidney Bazett (SB)
Alternate Director Eric Aiston (EA)
Staff: André Pichly, General Manager; Christina Greek, Finance/HR Officer

**THIS MEETING HAS
BEEN CANCELLED**

Item 14.b

Cameron Park Community Services District
2502 Country Club Drive
Cameron Park, CA 95682



**Covenants, Conditions & Restrictions (CC&R) Committee
Meeting
Monday, December 5, 2022
5:30 p.m.**

Cameron Park Community Center – Social Room

**2502 Country Club Drive
Cameron Park, CA 95682**

HYBRID TELECONFERENCE TEAMS MEETING LINK

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZWQ1NDIxYzgtNjRjZS00NTM1LThlNmEtOTJiZTdJmJA3Yjly%40thread.v2/0?context=%7b%22Tid%22%3a%227546519e-2cd5-4e2c-bed5-ac3d46eec8ff%22%2c%22Oid%22%3a%224f4c82c7-da83-408c-81ac-1e0e85add9b4%22%7d

Agenda

Members: Chair, Kelly Kantola (KK) V. Chair, Candace Hill-Calvert (CHC),
Tim Israel (TI), Director Eric Aiston (EA), Bob Dutta (BD)
Alternate: Monique Scobey (MS)

Staff: CC&R Compliance Officer Jim Mog, CC&R Compliance Officer, General Manager André Pichly

CALL TO ORDER

ROLL CALL

Public testimony will be received on each agenda item as it is called. Principal party on each side of an issue is allocated 10 minutes to speak, individual comments are limited to 3 minutes except with the consent of the Committee; individuals shall be allowed to speak on an item only once. Members of the audience are asked to volunteer their name before addressing the Committee. The Committee reserves the right to waive said rules by a majority vote.

APPROVAL OF AGENDA

1. APPROVAL OF CONFORMED AGENDA

- a. Conformed Agenda – CC&R Meeting – November 7, 2022

OPEN FORUM

Members of the public may speak on any item not on the agenda that falls within the responsibilities of the Committee.

DEPARTMENT MATTERS

2. Monthly Staff Report

- a. Open Violations, CC&R Violation Manager Case Detail Report (written report)
- Total Cases Open = 51
 - Initial Notices – 10
 - Referred to Legal – 1
 - Pre-Legal Notices – 0
 - Final Notices – 13
 - Referred to Outside Agency – 1
 - Courtesy Notices – 14
 - Prior Month's Cleared Cases – 6
 - Prior Month's New Cases - 15
- b. Architectural Review Projects – Period – November 2022
- Projects Reviewed – 29
 - Approved – 29

Summary of ARC Projects:

- Roofs – 12
- Solar – 6
- Tree Removals – 2
- Fences – 0
- New Home Const. – 0
- ADU/JADU – 0
- Swimming Pool – 3
- Exterior House Paint – 2
- Landscape – 0
- Deck – 1
- Exterior Renovation – 1
- Siding Replacement – 1
- Detached Garage – 0
- Gazebo/Pergola/Patio Cover – 1

3. Review and Provide Decision

Pre-Legal request for:

- a. CCR22-1040 – 2824 Hillcrest Dr. – Deer Creek Estates Unit B – Provisions 13 Trailered Items. – Multiple Commercial Trailers. (Attachment 3a)
- b. CCR22-1043 – 3685 Millbrae Rd. – Cameron Park N. Unit 2 – Vehicle Parking and Storage – Recreational Trailer. (Attachment 3b)
- c. CCR22-1074 – 3271 Kimberly Rd – Cameron Park N. Unit 3 – Vehicle Restrictions and Improperly Stored Materials. (Attachment 3c)

4. Review and Discuss

- a. Cameron Park Fence Guideline (Attachment 4a1. and 4b2.)

5. Staff Updates

- a. Neighborhood Campaign Update (oral, Jim Mog)
Cambridge Rd. – Three Stages – Cambridge Rd from Country Club to Oxford – Cambridge Rd from Oxford to Royal Park Dr. – Cambridge Rd from Royal Park to Green Valley Rd.
- b. Update on Legal Notices: - CCR21-1041, 2133 Carrillo Ct. Legal notice was sent for improperly stored boat. Owner states that they will work toward compliance but will need to make improvements to accommodate the boat storage.

5. Items for Future CC&R Committee Agendas

6. Items to take to the Board of Directors

MATTERS TO AND FROM COMMITTEE MEMBERS & STAFF

ADJOURNMENT



Fire and Emergency Services Committee
Tuesday, December 6, 2022
5:30 p.m.

Cameron Park Community Center – Social Room
2502 Country Club Drive
Cameron Park, CA 95682

HYBRID TELECONFERENCE TEAMS MEETING LINK

https://teams.microsoft.com/l/meetup-join/19%3ameeting_Mzl2NzlkYmYtYTMwYy00M2YxLTg2Y2MtYzE2YmU4MmUzOWZl%40thread.v2/0?context=%7b%22Tid%22%3a%227546519e-2cd5-4e2c-bed5-ac3d46eec8ff%22%2c%22Oid%22%3a%22b510e640-8ba3-421f-a075-694cad7ace01%22%7d

Agenda

Members: Chair, Director Eric Aiston (EA) & Vice Chair, Director Sidney Bazett (SB)
Alternate, Director Felicity Wood Carlson (FWC)
Staff: General Manager André Pichly, Chief Dusty Martin

CALL TO ORDER

ROLL CALL

Public testimony will be received on each agenda item as it is called. Principal party on each side of an issue is allocated 10 minutes to speak, individual comments are limited to 3 minutes except with the consent of the Committee; individuals shall be allowed to speak on an item only once. Members of the audience are asked to volunteer their name before addressing the Committee. The Committee reserves the right to waive said rules by a majority vote. All demonstrations, including cheering, yelling, whistling, handclapping, and foot stomping which disrupts, disturbs or otherwise impedes the orderly conduct of the Committee meeting are prohibited.

ADOPTION OF AGENDA

APPROVAL OF CONFORMED AGENDA

1. Conformed Agenda – Fire & Emergency Services Committee Meeting – November 1, 2022

OPEN FORUM

Members of the public may speak on any item not on the agenda that falls within the responsibilities of the Committee.

DEPARTMENT MATTERS: GENERAL BUSINESS

- 2. Review of Fire Department Master Plan and Capital Improvement Plan 2015-2020** (D. Martin)
– Staff report / Review and discuss / not an action item
- 3. Station 88 facility relocation** (D. Martin) – No staff report / Review and discuss / not an action item
- 4. Type III Engine Replacement** (D. Martin, C. Seibert) – Staff report / discussion only / not an action
- 5. Weed Abatement and Fuels Reduction update** (K. Richards) No staff report / information only / not an action item

STAFF UPDATES

- 6.**
 - a. Fire Department Report** – December 2022 (C. Siebert) – Staff report / Information only / Not an action item

ITEMS FOR FUTURE COMMITTEE AGENDAS

ITEMS TO TAKE TO THE BOARD OF DIRECTORS

MATTERS TO AND FROM COMMITTEE MEMBERS & STAFF

- 7.** Flyer for 3D Wildfire Simulations presentation series hosted by the Greater Cameron Park FireSafe Council

ADJOURNMENT

Cameron Park Community Services District
2502 Country Club Drive
Cameron Park, CA 95682



Parks & Recreation Committee
Monday, December 5, 2022
6:30 p.m.

Cameron Park Community Center – Social Room

2502 Country Club Drive
Cameron Park, CA 95682

HYBRID TELECONFERENCE TEAMS MEETING LINK

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTBiNzc4N2UtOTNmZS00ZDRjLWEyODMtMDEzYWU0NTkzZWJm%40thread.v2/0?context=%7b%22Tid%22%3a%227546519e-2cd5-4e2c-bed5-ac3d46eec8ff%22%2c%22Oid%22%3a%22cd95757a-7d61-4242-8a02-987ab1636810%22%7d

Agenda

Members: Chair, Director Monique Scobey (MS), Vice-Chair, Director Sidney Bazett (SB)

Staff: General Manager André Pichly, Parks & Facilities Superintendent Mike Grassle,
Recreation Supervisor Kimberly Vickers

CALL TO ORDER

ROLL CALL

Public testimony will be received on each agenda item as it is called. Principal party on each side of an issue is allocated 10 minutes to speak, individual comments are limited to 3 minutes except with the consent of the Committee; individuals shall be allowed to speak on an item only once. Members of the audience are asked to volunteer their name before addressing the Committee. The Committee reserves the right to waive said rules by a majority vote. All demonstrations, including cheering, yelling, whistling, handclapping, and foot stomping which disrupts, disturbs or otherwise impedes the orderly conduct of the Committee meeting are prohibited.

APPROVAL OF AGENDA

APPROVAL OF CONFORMED AGENDAS

1. Conformed Agenda – Parks & Recreation Committee Meeting – November 14, 2022

OPEN FORUM

Members of the public may speak on any item not on the agenda that falls within the responsibilities of the Committee.

DEPARTMENT MATTERS

2. **Discussion** - Tree Planting Objective report (M. Grassle) Information only / Not an Action Item
3. **Discussion** – Concerns Regarding Minors Fishing at Cameron Park Lake without Adult Supervision (A.Pichly, M. Grassle) Information only / Not an Action Item
4. **Staff Oral & Written Updates**
 - a. **Receive and File** - Recreation Report (K. Vickers) Information only / Not an Action Item
 - b. **Receive and File** - Parks & Facilities Report (M. Grassle) Information only / Not an Action Item
5. **Items for December & Future Committee Agendas**
 - a. Review of Park Improvement Plan (Jan)
 - b. Conduct in the Parks (Jan or Feb)
 - c. Registratton Software Update (Jan or Feb)
 - d. Pickle Ball Sound Mitigation task force report (Jan)
 - e. Parks Gift Donation Program (Jan)
6. **Items to take to the Board of Directors**

MATTERS TO AND FROM COMMITTEE MEMBERS

ADJOURNMENT