



ORANGE COUNTY FIRE AUTHORITY

AGENDA

Pursuant to the Brown Act, this meeting also constitutes a meeting of the Board of Directors.

EXECUTIVE COMMITTEE REGULAR MEETING

Thursday, January 24, 2019

5:30 P.M.

Regional Fire Operations and Training Center

Board Room

1 Fire Authority Road

Irvine, CA 92602

This Agenda contains a brief general description of each item to be considered. Except as otherwise provided by law, no action or discussion shall be taken on any item not appearing on the following Agenda. Unless legally privileged, all supporting documents, including staff reports, and any writings or documents provided to a majority of the Executive Committee after the posting of this agenda are available for review at the Orange County Fire Authority Regional Fire Operations & Training Center, 1 Fire Authority Road, Irvine, CA 92602 or you may contact Sherry A.F. Wentz, Clerk of the Authority, at (714) 573-6040 Monday through Thursday, and every other Friday from 8 a.m. to 5 p.m. and available online at <http://www.ocfa.org>

If you wish to speak before the Fire Authority Executive Committee, please complete a Speaker Form identifying which item(s) you wish to address. Please return the completed form to the Clerk of the Authority prior to being heard before the Committee. Speaker Forms are available at the counters of both entryways of the Board Room.



In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, you should contact the Clerk of the Authority at (714) 573-6040.

CALL TO ORDER

INVOCATION by Senior Chaplain Dave Keehn

PLEDGE OF ALLEGIANCE by Director Hatch

ROLL CALL

1. PRESENTATIONS

No items.

REPORTS

REPORT FROM THE BUDGET AND FINANCE COMMITTEE CHAIR

FIRE CHIEF'S REPORT

- Quarterly Capital Improvement Projects Update (Assistant Chief Jim Ruane)

PUBLIC COMMENTS

Resolution No. 97-024 established rules of decorum for public meetings held by the Orange County Fire Authority. Resolution No. 97-024 is available from the Clerk of the Authority.

Any member of the public may address the Board on items within the Board's subject matter jurisdiction but which are not listed on this agenda during PUBLIC COMMENTS. However, no action may be taken on matters that are not part of the posted agenda. We request comments made on the agenda be made at the time the item is considered and that comments be limited to three minutes per person. Please address your comments to the Board as a whole, and do not engage in dialogue with individual Board Members, Authority staff, or members of the audience.

The Agenda and Minutes are now available through the Internet at www.ocfa.org. You can access upcoming agendas on the Monday before the meeting. The minutes are the official record of the meeting and are scheduled for approval at the next regular Board of Directors meeting.

2. MINUTES

A. Minutes from the November 15, 2018, Regular Executive Committee Meeting

Submitted by: Sherry Wentz, Clerk of the Authority

Recommended Action:

Approve as submitted.

3. CONSENT CALENDAR

All matters on the consent calendar are considered routine and are to be approved with one motion unless a Committee Member or a member of the public requests separate action on a specific item.

A. Monthly Investment Reports

Submitted by: Patricia Jakubiak, Treasurer

Budget and Finance Committee Recommendation: *APPROVE*

Recommended Action:

Receive and file the reports.

B. Blanket Order Contract Extension – Voyager Fuel Card Program

Submitted by: Jim Ruane, Assistant Chief/Logistics Department

Recommended Action:

Approve and authorize the Purchasing Manager to extend the annual blanket order contract with U.S. Bank for the Voyager Card Program utilizing the State of California Participating Addendum in an amount not to exceed \$730,000 annually through December 31, 2020.

C. Award of RFP #JA2304 Purchase of Three Type 3 Engines

Submitted by: Jim Ruane, Assistant Chief/Logistics Department

Recommended Action:

Approve and authorize the Purchasing Manager to issue a purchase order to KME Fire Apparatus for the purchase of three 2019 KME Type 3 Engines in a total amount of \$1,623,695.57.

D. Blanket Order Contract Renewal for 9-1-1 Voice Recording System Support and Maintenance

Submitted by: Jim Ruane, Assistant Chief/Logistics Department

Recommended Action:

Approve and authorize the Purchasing Manager to increase and extend a previously issued blanket order with NICE-InContact, Inc. for the support and maintenance of OCFA's Voice Print International 9-1-1 voice recording system for a three-year term at an amount not to exceed \$36,000 (\$12,000 annual).

E. Purchase of Motorola 800MHz Portable and Mobile Radios

Submitted by: Jim Ruane, Assistant Chief/Logistics Department

Recommended Actions:

1. Authorize the Purchasing Manager to issue a purchase order to Motorola Solutions, Inc. for the purchase of 101 radios and 200 battery chargers in an amount not to exceed \$626,317.
2. Approve and authorize the Purchasing Manager to issue a blanket order to Motorola Solutions, Inc. for the repair of Mobile Data Computers for a three-year term at a not to exceed total amount of \$90,000 (\$30,000 annual).
3. Authorize the Purchasing Manager to issue future purchase orders to Motorola Solutions, Inc. (through May 20, 2020) utilizing the Orange County Contract Equipment Price Book Agreement #MA-060-15011560 as long as funding is available in the adopted budget.

F. Award of Bid SK276 – Blanket Order for Fire Hose

Submitted by: Jim Ruane, Assistant Chief/Logistics Department

Recommended Actions:

1. Approve and authorize the Purchasing Manager to issue to L.N. Curtis & Sons a blanket order contract for various types of fire hose for an amount not to exceed a three-year total of \$909,096 (\$303,032) annually.
2. Approve and authorize the Purchasing Manager to execute up to two one-year renewal options provided that any proposed price increases do not exceed the 12-month change in the Producer's Price Index (PPI). In the event proposed price increases do exceed PPI, staff will either return to the Executive Committee for approval, or staff will complete a new bid process.

G. Blanket Order Contract Renewal and Rate Adjustment for General Counsel Services
Submitted by: Lori Zeller, Deputy Chief/Administration & Support Bureau

Recommended Actions:

1. Approve hourly rate increases from \$190 to \$215 per hour for blended legal services and \$95 to \$100 for paralegal services with Woodruff, Spradlin & Smart, effective March 1, 2019.
2. Approve and authorize the Purchasing Manager to renew the blanket order with Woodruff, Spradlin & Smart, reflecting the adjusted hourly rates for three years at an annual cost of \$525,000, with annual increases due to usage not to exceed 3%.
3. Direct staff to schedule an evaluation of General Counsel, to be conducted by the Board of Directors and completed no later than one year prior to the next contract renewal date of March 1, 2021.

H. Special Procurement – Firefighter Trainee Testing
Submitted by: Brigitte Gibb, Director/Human Resources

Recommended Actions:

1. Approve and authorize the Purchasing Manager to execute the proposed agreement with California Firefighter Candidate Testing Center at the rate of \$30 per candidate for a not to exceed amount of \$150,000 in 2019 for entry-level firefighter candidate testing.
2. Approve and authorize the Purchasing Manager to extend the contract for two additional one-year options, so long as the per candidate testing cost does not increase.

END OF CONSENT CALENDAR

4. DISCUSSION CALENDAR

No items.

CLOSED SESSION

No items.

COMMITTEE MEMBER COMMENTS

ADJOURNMENT – The next regular meeting of the Executive Committee is scheduled for Thursday, February 28, 2019, at 5:30 p.m.

AFFIDAVIT OF POSTING

I hereby certify under penalty of perjury under the laws of the State of California, that the foregoing Agenda was posted in the lobby, front gate public display case, and website of the Orange County Fire Authority, Regional Fire Training and Operations Center, 1 Fire Authority Road, Irvine, CA, not less than 72 hours prior to the meeting. Dated this 17th day of January 2019.

Sherry A.F. Wentz, CMC
Clerk of the Authority

UPCOMING MEETINGS:

Human Resources Committee Meeting	Tuesday, February 5, 2019, 12 noon
Budget and Finance Committee Meeting	Wednesday, February 13, 2019, 12 noon
Claims Settlement Committee Meeting	To be determined by Board action
Executive Committee Meeting	Thursday, February 28, 2019, 5:30 p.m.
Board of Directors Meeting	Thursday, February 28, 2019, 6:00 p.m.

Capital Improvement Program (CIP) Update
2nd Quarter – FY 2018/19

In connection with Fire Chief's Report
1/24/19 EC Meeting

ITEM	BUDGET	PROGRESS	ANTICIPATED COMPLETION	COMMENTS
Fire Stations and Facilities (CIP Fund 123)				
1. Fire Station 9 Replacement (Mission Viejo)	\$6.5M	Planning	TBD	Working with Brookhurst Consulting to evaluate existing and alternate sites
2. Fire Station 10 Replacement (Yorba Linda)	\$7.5M	Planning	TBD	Working with Brookhurst Consulting to evaluate existing and alternate sites
3. Temporary Training Trailers at RFOTC	\$150K	Obtaining permits	RFP to be issued next week	Required for additional academies
4. Fire Station 42 Site Stabilization	\$800K	Initiated	December 2019	Consultant is designing solutions and RFP has been issued
5. RFOTC Security Enhancements and Data Center Fire Suppression	\$1.5M	Initiated	Ongoing	New Project Manager hired, starting Jan. 28 th (First accepted another position in Dec. 2018). Proceeding with project development.
Communications and Information Systems (CIP Fund 124 and 12110)				
6. New Vehicle Outfitting		Ongoing	Ongoing	Hired additional extra help staff to assist outfit units; RFP to be issued next week for additional vendors; 13 units onsite, 48 to be delivered over the next 12 – 18 months.
7. Records Management System (RMS) Upgrade	\$5M	60%	Summer 2019	Development and programming of the Incident Reporting and Investigations System (IRIS) is nearing deployment for summer 2019. Currently 60% complete.
8. Fire Station Alarm Upgrade FS33 (JWA) currently in process, FS50 (San Clemente) next.	\$328K	20%	Spring 2019	Upgrades ongoing with new station alarms at rate of 6 per year.
9. Next Gen CAD2CAD Upgrade	\$450K	60%	Late Spring/June 2019	Vendor installing new hardware and software and acting as agent to connect Costa Mesa, Laguna Beach, and Metro Net CAD's. Testing is proceeding with dispatch centers and CARE ambulance.
10. Data Center Redundancy	\$1M	Initiated	Summer 2019	New Project Manager hired, starting Jan. 28 th (First accepted another position in Dec. 2018). Proceeding with project development.
Apparatus and Vehicles (CIP Fund 133)				
11. (10) Fire Engines - Structural/Type 1	\$5.9M	10 of 10	June 2019	(10) engines are here with (1) in-service and the others to follow.
12. (7) Fire Engines - Structural/Type 1	\$4.3M	0 of 7	October 2019	(7) Final inspection taking place; deliveries will start February 2019
13. (11) Tractor Drawn Aerials (TDA)	\$8.4M	11 of 11	June 2019	6 units in service, 5 units in outfitting and warranty.
14. (20) Emergency Vehicles	\$1.9M	14 of 20	Mar 2019	Units in varying phases ranging from defining specifications, under construction, to final outfitting.
15. (10) Support Vehicles	\$568K	5 of 10	April 2019	
16. (3) Fire Engines - Wildland/Type 3	\$1.4M	0 of 3	Jan 2019	(3) Type III's/ Seeking approval Executive Committee January 24, 2019
17. (20) Emergency and Support Vehicles	\$866K	15 of 20	May 2019	(20) Emerg & Support Vehicles/ working on the specs for the last 5
18. (2) Tactical Water Tenders	\$694K	0 of 2	Jan 2019	(2) Tactical Water Tenders/ Bid proposals in review at this time

The ad hoc CIP Committee meets annually in April to review proposed additions and modifications to the five-year forecasted CIP.

MINUTES ORANGE COUNTY FIRE AUTHORITY

**Executive Committee Regular Meeting
Thursday, November 15, 2018
5:30 P.M.**

**Regional Fire Operations and Training Center
Board Room
1 Fire Authority Road
Irvine, CA 92602**

CALL TO ORDER

Chair Sachs called the regular meeting of the Orange County Fire Authority Executive Committee to order at 5:30 p.m. on November 15, 2018.

INVOCATION

Deputy Chief Dave Anderson offered the invocation.

PLEDGE OF ALLEGIANCE

Director Ta led the assembly in the Pledge of Allegiance to our Flag.

ROLL CALL

Present: Shelley Hasselbrink, Los Alamitos
Noel Hatch, Laguna Woods
Ed Sachs, Mission Viejo
Dave Shawver, Stanton
Todd Spitzer, County of Orange
Elizabeth Swift, Buena Park
Tri Ta, Westminster

Absent: Gene Hernandez, Yorba Linda
Joe Muller, Dana Point

Also present were:

Fire Chief Brian Fennessy	Deputy Chief Lori Zeller
Deputy Chief Dave Anderson	Assistant Chief Jim Ruane
Assistant Chief Mark Sanchez	Assistant Chief Lori Smith
Human Resources Director Brigitte Gibb	
General Counsel David Kendig	Clerk of the Authority Sherry Wentz

1. PRESENTATIONS

No items.

REPORTS

REPORT FROM THE BUDGET AND FINANCE COMMITTEE CHAIR (F: 12.02A6)

Budget and Finance Vice Chair Hasselbrink reported at the November 14, 2018, meeting, the Committee voted unanimously by those present to receive and file the First Quarter Financial Newsletter and Monthly Investment Reports and send them both to the Executive Committee for approval of the recommended actions; and to send the Annual Statement of Investment Policy and Investment Authorization, Audited Financial Reports for the Fiscal Year Ended June 30, 2018, and the 2018 Long Term Liability Study & Accelerated Pension Payment Plan to the Board of Directors for approval of the recommended actions.

REPORT FROM THE HUMAN RESOURCES COMMITTEE CHAIR (F: 12.02A6)

Human Resources Committee Member Noel Hatch reported at the November 6, 2018, meeting, the Committee received and filed the Behavioral Health and Cancer Prevention Presentations, the Contract Award for Classification and Compensation Study Services, Annual Workers' Compensation Program Update, and the FY 2017/18 Human Resources Accomplishments.

PUBLIC COMMENTS (F: 12.02A3)

Chair Sachs opened the Public Comments portion of the meeting. Chair Sachs closed the Public Comments portion of the meeting without any comments from the general public.

2. MINUTES

A. Minutes from the October 25, 2018, Regular Executive Committee Meeting (F: 12.02A2)

On motion of Director Shawver and second by Director Ta, the Executive Committee voted to approve the Minutes as submitted. Director Spitzer was recorded as an abstention due to his absence from the meeting.

3. CONSENT CALENDAR (Agenda Item No. 3D was pulled for separate consideration)

A. Monthly Investment Reports (F: 11.10D2)

On motion of Director Ta and second by Director Shawver, the Executive Committee voted unanimously by those present to receive and file the reports.

B. First Quarter Financial Newsletter (F: 15.07)

On motion of Director Ta and second by Director Shawver, the Executive Committee voted unanimously by those present to receive and file the report.

C. Contract Award for Insurance Brokerage Services (F: 18.10G)

On motion of Director Ta and second by Director Shawver, the Executive Committee voted unanimously by those present to:

1. Approve award of RFP SK2283 to Gallagher for insurance brokerage services and authorize the Purchasing Manager to execute the proposed Professional Services Agreement for a three-year term in an amount not to exceed \$516,602 (includes annual broker fees and estimated annual insurance premiums for three years).
2. Authorize the Purchasing Manager to execute two optional one-year renewals for the contract, provided that pricing remains the same.

D. Award of RFQ #JA2324 Organizational Service Level Review Consultant (F: 17.16)

Director Spitzer pulled this item from the Consent Calendar to inquire into the goals and scope of work.

Deputy Chief Zeller provided an overview of the scope of services.

On motion of Director Spitzer and second by Director Hatch, the Executive Committee voted unanimously by those present to:

1. Approve and authorize the Purchasing Manager to sign the proposed Master Consultant Services Agreement for consulting services with Citygate Associates, LLC, for a three-year term, with two additional one-year renewal options.
2. Direct staff to work with Citygate Associates to identify the initial area(s) for review, document the applicable scope, determine the proposed cost, and return to the Board of Directors for approval of the scope and budget adjustment for performance of the year-one work.

E. Fire Station Alerting System Replacement for Fire Station 33 (John Wayne Airport) (F: 19.07I) (X: 19.07C33)

On motion of Director Ta and second by Director Shawver, the Executive Committee voted unanimously by those present to approve and authorize the Purchasing Manager to issue a sole source contract to Westnet, Inc. to replace the fire station alerting system at OCFA Fire Station 33 in the amount of \$145,998 and add a 10% contingency (\$14,600) to the contract for additional services that may be required during the replacement with the stipulation the Board Chair or Vice Chair are notified before commitment of any contingency funds.

F. Contract Increase for Apparatus Bay Door Maintenance and Repair (F19.07K)

On motion of Director Ta and second by Director Shawver, the Executive Committee voted unanimously by those present to approve and authorize the Purchasing Manager to increase the contract with Action Door for apparatus bay door maintenance and repair services in the amount of \$50,000, not to exceed \$150,000 for the current contract year and the remaining two, one-year optional renewals.

END OF CONSENT CALENDAR

4. DISCUSSION CALENDAR

No items.

CLOSED SESSION

No items.

COMMITTEE MEMBER COMMENTS

The Committee Members offered no comments.

ADJOURNMENT – Chair Sachs adjourned the meeting at 5:38 p.m. The next regular meeting of the Executive Committee is scheduled for Thursday, January 24, 2019, at 5:30 p.m.

Sherry A.F. Wentz, CMC
Clerk of the Authority



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3A
Consent Calendar

Monthly Investment Reports

Contact(s) for Further Information

Tricia Jakubiak, Treasurer Treasury & Financial Planning	triciajakubiak@ocfa.org	714.573.6301
Jane Wong, Assistant Treasurer	jane Wong@ocfa.org	714.573.6305

Summary

This agenda item is a routine transmittal of the monthly investment reports submitted to the Committee in compliance with the investment policy of the Orange County Fire Authority and with Government Code Section 53646.

Prior Board/Committee Action

Budget and Finance Committee Recommendation: *APPROVE*

At its regular January 9, 2019, meeting, the Budget and Finance Committee reviewed and unanimously recommended approval of this item.

RECOMMENDED ACTION(S)

Receive and file the reports.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Not Applicable.

Background

Since the Committee did not meet in December, attached are the final monthly investment reports for the months ending October 31 and November 30, 2018. A preliminary investment report as of December 14, 2018, is also provided as the most complete report that was available at the time this agenda item was prepared.

Attachment(s)

Final Investment Report – October 2018/Preliminary Report – November 2018
Final Investment Report – November 2018/Preliminary Report – December 2018



ORANGE COUNTY FIRE AUTHORITY

P.O. Box 57115, Irvine, CA 92619-7115 • 1 Fire Authority Road, Irvine, CA 92602

Brian Fennessy, Fire Chief

(714) 573-6000

www.ocfa.org

December 4, 2018

TO: Budget and Finance Committee
Orange County Fire Authority

FROM: Patricia Jakubiak, Treasurer *PJ*

SUBJECT: **Investment Report**

Due to the cancellation of the December 12, 2018 meeting of the Budget and Finance Committee, I am enclosing the monthly investment report for your review. The report includes the following:

- Final Investment Report for October 2018
- Preliminary Investment Report for November 2018

Since the December meeting of the Executive Committee has also been cancelled, this report will be forwarded to the January 9, 2019 meeting of the Budget and Finance Committee for action to be taken. If you have any questions, please call me at (714) 573-6301.

Enclosure

Orange County Fire Authority Monthly Investment Report



Final Report – October 2018

Preliminary Report – November 2018



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Orange County Fire Authority

Final Investment Report

October 31, 2018



EXECUTIVE SUMMARY

Portfolio Activity & Earnings

During the month of October 2018, the size of the portfolio decreased significantly to \$121.1 million from \$140.1 million. Significant receipts for the month included cash contract payments, an apportionment of property taxes, charges for current services and intergovernmental agency payments totaling \$5.5 million. Significant disbursements for the month included primarily two biweekly payrolls which were approximately \$12.0 million each with related benefits. Significant disbursements also included a payment of \$1.4 million for fire apparatus. Total October cash outflows amounted to approximately \$28.0 million. The portfolio's balance is expected to increase in November.

In October, the portfolio's yield to maturity (365-day equivalent) increased by 14 basis points to 1.99%. The effective rate of return rose by 7 basis points to 1.95% for the month and edged up by 1 basis point to 1.90% for the fiscal year to date. The average maturity of the portfolio was about the same at 49 days to maturity.

Economic News

The U.S. economy continued to strengthen in October 2018, although overall economic activity remained mixed. On the upside, employment conditions advanced further. There was a total of 250,000 new jobs created in October, a much stronger number than expected, and the unemployment rate stayed unchanged at a nearly 50-year record low rate of 3.7%. Consumer confidence indices remained strong, and one index reached an 18-year high. Retail sales increased better than expected. On the other hand, both manufacturing and non-manufacturing activity pulled back slightly. The CPI (Consumer Price Index) rose more than expected by 0.3% in October. Durable goods orders dropped noticeably for the month while industrial production edged up slightly. Overall housing activity remained weaker than a year ago in October. On November 8, 2018, the Federal Open Market Committee met and voted to keep the federal funds rate unchanged at a target range of 2.0% to 2.25%. The Fed also upgraded its outlook on the economy. Current expectations are high for another rate hike by the Fed at their scheduled meeting in December.

**BENCHMARK COMPARISON AS OF OCTOBER 31, 2018**

3 Month T-Bill: 2.29%

1 Year T-Bill: 2.65%

6 Month T-Bill: 2.46%

LAIF: 2.14%

OCFA Portfolio: 1.95%

PORTFOLIO SIZE, YIELD, & DURATION

	<u>Current Month</u>	<u>Prior Month</u>	<u>Prior Year</u>
<i>Book Value-</i>	\$121,052,604	\$140,072,367	\$118,668,912
<i>Yield to Maturity (365 day)</i>	1.99%	1.85%	1.11%
<i>Effective Rate of Return</i>	1.95%	1.88%	1.08%
<i>Days to Maturity</i>	49	48	137



ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Summary
October 31, 2018

Orange County Fire Authority
1 Fire Authority Road
Irvine, Irvine, CA 92602
(714)573-6301

(See Note 1 on page 9)

(See Note 2 on page 9)

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM/C 360 Equiv.	YTM/C 365 Equiv.
Money Mkt Mutual Funds/Cash	15,173,480.75	15,173,480.75	15,173,480.75	12.63	1	1	1.677	1.700
Federal Agency Coupon Securities	16,000,000.00	15,825,840.00	16,000,000.00	13.32	878	321	1.436	1.456
Federal Agency Disc. -Amortizing	8,000,000.00	7,987,920.00	7,987,888.88	6.65	26	25	2.214	2.245
Treasury Coupon Securities	9,000,000.00	8,997,030.00	8,997,451.79	7.49	210	14	1.982	2.010
Treasury Discounts -Amortizing	7,000,000.00	6,982,500.00	6,982,768.33	5.81	71	42	2.119	2.148
Local Agency Investment Funds	65,000,000.00	64,859,106.26	65,000,000.00	54.10	1	1	2.115	2.144
Investments	120,173,480.75	119,825,877.01	120,141,589.75	100.00%	139	49	1.966	1.993
Cash								
Passbook/Checking (not included in yield calculations)	1,279,507.60	1,279,507.60	1,279,507.60		1	1	0.000	0.000
Total Cash and Investments	121,452,988.35	121,105,384.61	121,421,097.35		139	49	1.966	1.993

Total Earnings	October 31 Month Ending	Fiscal Year To Date
Current Year	211,115.83	957,987.13
Average Daily Balance	127,546,311.17	149,602,419.56
Effective Rate of Return	1.95%	1.90%

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2018. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

Patricia Jakubiak, Treasurer

Cash and Investments with GASB 31 Adjustment:

Book Value of Cash & Investments before GASB 31 (Above)

\$ 121,421,097.35

GASB 31 Adjustment to Books (See Note 3 on page 9)

\$ (368,493.66)

Total

\$ 121,052,603.69

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Investments
October 31, 2018

(See Note 1 on page 9)

(See Note 2 on page 9)

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity	Maturity Date
Money Mkt Mutual Funds/Cash											
SYS528	528	Federated Treasury Obligations			15,173,480.75	15,173,480.75	15,173,480.75	1.700	1.700	1	
Subtotal and Average			11,882,826.59		15,173,480.75	15,173,480.75	15,173,480.75		1.700	1	
Federal Agency Coupon Securities											
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,925,380.00	7,000,000.00	1.180	1.375	273	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,900,460.00	9,000,000.00	1.625	1.518	358	10/25/2019
Subtotal and Average			20,516,129.03		16,000,000.00	15,825,840.00	16,000,000.00		1.456	321	
Federal Agency Disc. -Amortizing											
313385Q82	951	Fed Home Loan Bank		10/31/2018	8,000,000.00	7,987,920.00	7,987,888.88	2.180	2.245	25	11/26/2018
Subtotal and Average			902,783.51		8,000,000.00	7,987,920.00	7,987,888.88		2.245	25	
Treasury Coupon Securities											
912828M64	944	Treasury Note		04/19/2018	9,000,000.00	8,997,030.00	8,997,451.79	1.250	2.010	14	11/15/2018
Subtotal and Average			17,700,283.51		9,000,000.00	8,997,030.00	8,997,451.79		2.010	14	
Treasury Discounts -Amortizing											
912796QN2	950	US Treasury Bill		10/03/2018	7,000,000.00	6,982,500.00	6,982,768.33	2.110	2.148	42	12/13/2018
Subtotal and Average			12,137,650.32		7,000,000.00	6,982,500.00	6,982,768.33		2.148	42	
Local Agency Investment Funds											
SYS336	336	Local Agency Invstmt Fund			65,000,000.00	64,859,106.26	65,000,000.00	2.144	2.144	1	
Subtotal and Average			64,406,638.21		65,000,000.00	64,859,106.26	65,000,000.00		2.144	1	
Total and Average			127,546,311.17		120,173,480.75	119,825,877.01	120,141,589.75		1.993	49	

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Cash
October 31, 2018

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
Money Mkt Mutual Funds/Cash										
SYS10033	10033	Revolving Fund		07/01/2018	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2018	1,259,507.60	1,259,507.60	1,259,507.60		0.000	1
		Average Balance	0.00							1
Total Cash and Investments			127,546,311.17		121,452,988.35	121,105,384.61	121,421,097.35		1.993	49

“We visualize problems and solutions
through the eyes of those we serve.”



ORANGE COUNTY FIRE AUTHORITY
Aging Report
By Maturity Date
As of November 1, 2018

Orange County Fire Authority
 1 Fire Authority Road
 Irvine, Irvine, CA 92602
 (714)573-6301

				Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval: 0 days	(11/01/2018 - 11/01/2018)	4 Maturities	0 Payments	81,452,988.35	67.08%	81,452,988.35	81,312,094.61
Aging Interval: 1 - 30 days	(11/02/2018 - 12/01/2018)	2 Maturities	0 Payments	17,000,000.00	13.99%	16,985,340.67	16,984,950.00
Aging Interval: 31 - 60 days	(12/02/2018 - 12/31/2018)	1 Maturities	0 Payments	7,000,000.00	5.75%	6,982,768.33	6,982,500.00
Aging Interval: 61 - 91 days	(01/01/2019 - 01/31/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 92 - 121 days	(02/01/2019 - 03/02/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 122 - 152 days	(03/03/2019 - 04/02/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 153 - 183 days	(04/03/2019 - 05/03/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 184 - 274 days	(05/04/2019 - 08/02/2019)	1 Maturities	0 Payments	7,000,000.00	5.77%	7,000,000.00	6,925,380.00
Aging Interval: 275 - 365 days	(08/03/2019 - 11/01/2019)	1 Maturities	0 Payments	9,000,000.00	7.41%	9,000,000.00	8,900,460.00
Aging Interval: 366 days and after	(11/02/2019 -)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Total for		9 Investments	0 Payments		100.00	121,421,097.35	121,105,384.61



NOTES TO PORTFOLIO MANAGEMENT REPORT

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank (formerly Union Bank) Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year end. The adjustment for June 30, 2018 includes a decrease of (\$121,754) to the LAIF investment and a decrease of (\$246,740) to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks, yet allow that liquidity to be invested while payment of the outstanding checks is pending.



Local Agency Investment Fund (LAIF)

As of October 31, 2018, OCFA has \$65,000,000 invested in LAIF. The fair value of OCFA's LAIF investment is calculated using a participant fair value factor provided by LAIF on a quarterly basis. The fair value factor as of September 30, 2018 is 0.997832404. When applied to OCFA's LAIF investment, the fair value is \$64,859,106 or (\$140,894) below cost. Although the fair value of the LAIF investment is lower than cost, OCFA can withdraw the actual amount invested at any time.

LAIF is included in the State Treasurer's Pooled Money Investment Account (PMIA) for investment purposes. The PMIA market valuation at October 31, 2018 is included on the following page.



Fair Value Including Accrued Interest	\$	84,900,466,984.14
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Orange County Fire Authority

Preliminary Investment Report

November 23, 2018



ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Summary
November 23, 2018

Orange County Fire Authority
1 Fire Authority Road
Irvine, CA 92602
(714)573-6301

(See Note 1 on page 18)

(See Note 2 on page 18)

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM/C 360 Equiv.	YTM/C 365 Equiv.
Money Mkt Mutual Funds/Cash	7,748,817.79	7,748,817.79	7,748,817.79	6.37	1	1	1.677	1.700
Federal Agency Coupon Securities	16,000,000.00	15,838,830.00	16,000,000.00	13.15	878	298	1.436	1.456
Federal Agency Disc. -Amortizing	8,000,000.00	8,000,000.00	7,999,031.11	6.57	26	2	2.214	2.245
Treasury Discounts -Amortizing	25,000,000.00	24,950,720.00	24,948,169.72	20.50	60	34	2.183	2.213
Local Agency Investment Funds	65,000,000.00	64,859,106.26	65,000,000.00	53.41	1	1	2.115	2.144
Investments	121,748,817.79	121,397,474.05	121,696,018.62	100.00%	130	47	2.018	2.046
Cash								
Passbook/Checking (not included in yield calculations)	675,248.40	675,248.40	675,248.40		1	1	0.000	0.000
Total Cash and Investments	122,424,066.19	122,072,722.45	122,371,267.02		130	47	2.018	2.046

Total Earnings	November 23 Month Ending	Fiscal Year To Date
Current Year	156,760.64	1,114,747.77
Average Daily Balance	123,749,972.04	145,529,773.72
Effective Rate of Return	2.01%	1.91%

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2018. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

Patricia Jakubiak, Treasurer

Cash and Investments with GASB 31 Adjustment:

Book Value of Cash & Investments before GASB 31 (Above)

\$ 122,371,267.02

GASB 31 Adjustment to Books (See Note 3 on page 18)

\$ (368,493.66)

Total

\$ 122,002,773.36

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Investments
November 23, 2018

(See Note 1 on page 18) (See Note 2 on page 18)

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity	Maturity Date
Money Mkt Mutual Funds/Cash											
SYS528	528	Federated Treasury Obligations			7,748,817.79	7,748,817.79	7,748,817.79	1.700	1.700	1	
Subtotal and Average			9,805,670.47		7,748,817.79	7,748,817.79	7,748,817.79		1.700	1	
Federal Agency Coupon Securities											
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,932,520.00	7,000,000.00	1.180	1.375	250	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,906,310.00	9,000,000.00	1.625	1.518	335	10/25/2019
Subtotal and Average			16,000,000.00		16,000,000.00	15,838,830.00	16,000,000.00		1.456	298	
Federal Agency Disc. -Amortizing											
313385Q82	951	Fed Home Loan Bank		10/31/2018	8,000,000.00	8,000,000.00	7,999,031.11	2.180	2.245	2	11/26/2018
Subtotal and Average			7,993,702.22		8,000,000.00	8,000,000.00	7,999,031.11		2.245	2	
Treasury Coupon Securities											
Subtotal and Average			5,477,540.72								
Treasury Discounts -Amortizing											
912796QN2	950	US Treasury Bill		10/03/2018	7,000,000.00	6,992,930.00	6,992,204.72	2.110	2.148	19	12/13/2018
912796QQ5	952	US Treasury Bill		11/08/2018	9,000,000.00	8,982,990.00	8,981,932.50	2.190	2.227	33	12/27/2018
912796QS1	953	US Treasury Bill		11/08/2018	9,000,000.00	8,974,800.00	8,974,032.50	2.210	2.249	47	01/10/2019
Subtotal and Average			19,473,058.62		25,000,000.00	24,950,720.00	24,948,169.72		2.213	34	
Local Agency Investment Funds											
SYS336	336	Local Agency Invstmt Fund			65,000,000.00	64,859,106.26	65,000,000.00	2.144	2.144	1	
Subtotal and Average			65,000,000.00		65,000,000.00	64,859,106.26	65,000,000.00		2.144	1	
Total and Average			123,749,972.04		121,748,817.79	121,397,474.05	121,696,018.62		2.046	47	

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Cash
November 23, 2018

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
Money Mkt Mutual Funds/Cash										
SYS10033	10033	Revolving Fund		07/01/2018	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2018	655,248.40	655,248.40	655,248.40		0.000	1
		Average Balance	0.00							1
Total Cash and Investments			123,749,972.04		122,424,066.19	122,072,722.45	122,371,267.02		2.046	47

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ORANGE COUNTY FIRE AUTHORITY
Aging Report
By Maturity Date
As of November 24, 2018

Orange County Fire Authority
 1 Fire Authority Road
 Irvine, Irvine, CA 92602
 (714)573-6301

					Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval: 0 days	(11/24/2018 - 11/24/2018)	4 Maturities	0 Payments		73,424,066.19	60.00%	73,424,066.19	73,283,172.45
Aging Interval: 1 - 30 days	(11/25/2018 - 12/24/2018)	2 Maturities	0 Payments		15,000,000.00	12.25%	14,991,235.83	14,992,930.00
Aging Interval: 31 - 60 days	(12/25/2018 - 01/23/2019)	2 Maturities	0 Payments		18,000,000.00	14.67%	17,955,965.00	17,957,790.00
Aging Interval: 61 - 91 days	(01/24/2019 - 02/23/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 92 - 121 days	(02/24/2019 - 03/25/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 122 - 152 days	(03/26/2019 - 04/25/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 153 - 183 days	(04/26/2019 - 05/26/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 184 - 274 days	(05/27/2019 - 08/25/2019)	1 Maturities	0 Payments		7,000,000.00	5.72%	7,000,000.00	6,932,520.00
Aging Interval: 275 - 365 days	(08/26/2019 - 11/24/2019)	1 Maturities	0 Payments		9,000,000.00	7.35%	9,000,000.00	8,906,310.00
Aging Interval: 366 days and after	(11/25/2019 -)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Total for		10 Investments	0 Payments			100.00	122,371,267.02	122,072,722.45



NOTES TO PORTFOLIO MANAGEMENT REPORT

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year end. The adjustment for June 30, 2018 includes a decrease of (\$121,754) to the LAIF investment and a decrease of (\$246,740) to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks, yet allow that liquidity to be invested while payment of the outstanding checks is pending.

GLOSSARY

INVESTMENT TERMS

Basis Point. Measure used in quoting yields on bonds and notes. One basis point is .01% of yield.

Book Value. This value may be the original cost of acquisition of the security, or original cost adjusted by the amortization of a premium or accretion of a discount. The book value may differ significantly from the security's current value in the market.

Commercial Paper. Unsecured short-term promissory notes issued by corporations, with maturities ranging from 2 to 270 days; may be sold on a discount basis or may bear interest.

Coupon Rate. Interest rate, expressed as a percentage of par or face value, that issuer promises to pay over lifetime of debt security.

Discount. The amount by which a bond sells under its par (face) value.

Discount Securities. Securities that do not pay periodic interest. Investors earn the difference between the discount issue price and the full face value paid at maturity. Treasury bills, bankers' acceptances and most commercial paper are issued at a discount.

Effective Rate of Return. Rate of return on a security, based on its purchase price, coupon rate, maturity date, and the period between interest payments.

Federal Agency Securities. Securities issued by agencies such as the Federal National Mortgage Association and the Federal Farm Credit Bank. Though not general obligations of the US Treasury, such securities are sponsored by the government and therefore have high credit ratings. Some are issued on a discount basis and some are issued with coupons.

Federal Funds. Funds placed in Federal Reserve banks by depository institutions in excess of current reserve requirements. These depository institutions may lend fed funds to each other overnight or on a longer basis. They may also transfer funds among each other on a same-day basis through the Federal Reserve banking system. Fed Funds are considered to be immediately available funds.

Fed Funds Rate. The interest rate charged by one institution lending federal funds to another.

Federal Open Market Committee. The branch of the Federal Reserve Board that determines the direction of monetary policy.

Local Agency Investment Fund (LAIF). A California State Treasury fund which local agencies may use to deposit funds for investment and for reinvestment with a maximum of \$50 million for any agency (*excluding bond funds, which have no maximum*). It offers high liquidity because

deposits can be converted to cash in 24 hours and no interest is lost. Interest is paid quarterly and the State's administrative fee cannot exceed 1/4 of a percent of the earnings.

Market value. The price at which the security is trading and could presumably be purchased or sold.

Maturity Date. The specified day on which the issuer of a debt security is obligated to repay the principal amount or face value of security.

Money Market Mutual Fund. Mutual funds that invest solely in money market instruments (short-term debt instruments, such as Treasury bills, commercial paper, bankers' acceptances, repurchase agreements and federal funds).

Par. Face value or principal value of a bond typically \$1,000 per bond.

Rate of Return. The amount of income received from an investment, expressed as a percentage. A *market rate of return* is the yield that an investor can expect to receive in the current interest-rate environment utilizing a buy-and-hold to maturity investment strategy.

Treasury Bills. Short-term U.S. government non-interest bearing debt securities with maturities of no longer than one year. The yields on these bills are monitored closely in the money markets for signs of interest rate trends.

Treasury Notes. Intermediate U.S. government debt securities with maturities of one to 10 years.

Treasury bonds. Long-term U.S. government debt securities with maturities of 10 years or longer.

Yield. Rate of return on a bond.

Yield-to-maturity. Rate of return on a bond taking into account the total annual interest payments, the purchase price, the redemption value and the amount of time remaining until maturity.

ECONOMIC TERMS

Conference Board Consumer Confidence Index A survey that measures how optimistic or pessimistic consumers are with respect to the economy in the near future.

Consumer Price Index (CPI). A measure that examines the weighted average of prices of a basket of consumer goods and services, such as transportation, food and medical care. Changes in CPI are used to assess price changes associated with the cost of living.

Durable Goods Orders. An economic indicator released monthly that reflects new orders placed with domestic manufacturers for delivery of factory durable goods such as autos and appliances in the near term or future.

Gross Domestic Product. The monetary value of all the finished goods and services produced within a country's borders in a specific time period. It includes all of private and public consumption, government outlays, investments and exports less imports that occur within a defined territory.

Industrial Production. An economic indicator that is released monthly by the Federal Reserve Board. The indicator measures the amount of output from the manufacturing, mining, electric and gas industries.

ISM Institute for Supply Management (ISM) Manufacturing Index. A monthly index that monitors employment, production inventories, new orders and supplier deliveries.

ISM Non-manufacturing Index. An index based on surveys of non-manufacturing firms' purchasing and supply executives. It tracks economic data for the service sector.

Leading Economic Index. A monthly index used to predict the direction of the economy's movements in the months to come. The index is made up of 10 economic components, whose changes tend to precede changes in the overall economy.

National Federation of Independent Business Small Business Optimism Index. An index based on surveys of small business owners' plans and expectations regarding employment, capital, inventories, economic improvement, credit conditions, expansion, and earnings trends in the near term or future.

Producer Price Index. An index that measures the average change over time in the selling prices received by domestic producers for their output.

University of Michigan Consumer Sentiment Index. An index that measures the overall health of the economy as determined by consumer opinion. It takes into account an individual's feelings toward his or her own current financial health, the health of the economy in the short term and the prospects for longer term economic growth.

Orange County Fire Authority Monthly Investment Report



Final Report – November 2018

Preliminary Report – December 2018



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Orange County Fire Authority

Final Investment Report

November 30, 2018



EXECUTIVE SUMMARY

Portfolio Activity & Earnings

During the month of November 2018, the size of the portfolio reversed and increased to \$135.8 million from \$121.1 million. Significant receipts for the month included the first and second apportionments of secured property taxes for a total of \$44.1 million and various intergovernmental agency payments, a cash contract payment and other charges for current services totaling \$6.4 million. Significant disbursements for the month included primarily three biweekly payrolls (instead of the typical two per month) which were approximately \$11.4 million each with related benefits. Total November cash outflows amounted to approximately \$37.1 million. The portfolio's balance is expected to increase significantly in December when the next major property tax receipt is expected.

In November, the portfolio's yield to maturity (365-day equivalent) increased by 11 basis points to 2.10%. The effective rate of return rose by 13 basis points to 2.08% for the month and by 3 basis points to 1.93% for the fiscal year to date. The average maturity of the portfolio decreased by 4 days to 45 days to maturity.

Economic News

The U.S. economy continued to grow in November 2018, despite mixed economic activity. Employment conditions remained strong. There was a total of 155,000 new jobs created in November, and the unemployment rate was unchanged at 3.7%, staying at a nearly 50-year record low. Consumer confidence indices decreased slightly but remained at high levels. Retail sales increased 0.2% as expected in November. Both manufacturing and non-manufacturing activity reversed and picked up for the month. The CPI (Consumer Price Index) was unchanged in November, keeping inflation in check. Industrial production increased at a slightly better pace than expected. Existing home sales also increased, but remained weaker than a year ago. On December 19, 2018, the Federal Open Market Committee met and, as expected, voted to raise the federal funds rate by a quarter percentage point to a new target range of 2.25% to 2.50%. The Fed also maintained its upgraded outlook on the economy.



BENCHMARK COMPARISON AS OF NOVEMBER 30, 2018

3 Month T-Bill: 2.37%

1 Year T-Bill: 2.70%

6 Month T-Bill: 2.52%

LAIF: 2.21%

OCFA Portfolio: 2.08%

PORTFOLIO SIZE, YIELD, & DURATION

	<u><i>Current Month</i></u>	<u><i>Prior Month</i></u>	<u><i>Prior Year</i></u>
<i>Book Value-</i>	\$135,771,668	\$121,052,604	\$144,470,372
<i>Yield to Maturity (365 day)</i>	2.10%	1.99%	1.11%
<i>Effective Rate of Return</i>	2.08%	1.95%	1.15%
<i>Days to Maturity</i>	45	49	109



ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Summary
November 30, 2018

Orange County Fire Authority
1 Fire Authority Road
Irvine, Irvine, CA 92602
(714)573-6301

(See Note 1 on page 9)

(See Note 2 on page 9)

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM/C 360 Equiv.	YTM/C 365 Equiv.
Money Mkt Mutual Funds/Cash	12,866,817.79	12,866,817.79	12,866,817.79	9.48	1	1	1.736	1.760
Federal Agency Coupon Securities	16,000,000.00	15,843,240.00	16,000,000.00	11.78	878	291	1.436	1.456
Federal Agency Disc. -Amortizing	17,000,000.00	16,953,250.00	16,952,294.22	12.49	46	44	2.335	2.367
Treasury Discounts -Amortizing	25,000,000.00	24,961,420.00	24,958,741.67	18.38	60	27	2.183	2.213
Local Agency Investment Funds	65,000,000.00	64,859,106.26	65,000,000.00	47.87	1	1	2.178	2.208
Investments	135,866,817.79	135,483,834.05	135,777,853.68	100.00%	121	45	2.069	2.098
Cash								
Passbook/Checking (not included in yield calculations)	362,307.68	362,307.68	362,307.68		1	1	0.000	0.000
Total Cash and Investments	136,229,125.47	135,846,141.73	136,140,161.36		121	45	2.069	2.098

Total Earnings	November 30 Month Ending	Fiscal Year To Date
Current Year	213,055.98	1,171,043.11
Average Daily Balance	124,811,386.13	144,741,432.61
Effective Rate of Return	2.08%	1.93%

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2018. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

Patricia Jakubiak, Treasurer

12/7/18

Cash and Investments with GASB 31 Adjustment:

Book Value of Cash & Investments before GASB 31 (Above)

\$ 136,140,161.36

GASB 31 Adjustment to Books (See Note 3 on page 9)

\$ (368,493.66)

Total

\$ 135,771,667.70

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Investments
November 30, 2018

(See Note 1 on page 9)

(See Note 2 on page 9)

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity	Maturity Date
Money Mkt Mutual Funds/Cash											
SYS528	528	Federated Treasury Obligations			12,866,817.79	12,866,817.79	12,866,817.79	1.760	1.760	1	
Subtotal and Average			11,068,005.08		12,866,817.79	12,866,817.79	12,866,817.79		1.760	1	
Federal Agency Coupon Securities											
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,933,150.00	7,000,000.00	1.180	1.375	243	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,910,090.00	9,000,000.00	1.625	1.518	328	10/25/2019
Subtotal and Average			16,000,000.00		16,000,000.00	15,843,240.00	16,000,000.00		1.456	291	
Federal Agency Disc. -Amortizing											
313384AP4	954	Fed Home Loan Bank		11/29/2018	17,000,000.00	16,953,250.00	16,952,294.22	2.296	2.367	44	01/14/2019
Subtotal and Average			7,791,939.03		17,000,000.00	16,953,250.00	16,952,294.22		2.367	44	
Treasury Coupon Securities											
Subtotal and Average			4,199,447.89								
Treasury Discounts -Amortizing											
912796QN2	950	US Treasury Bill		10/03/2018	7,000,000.00	6,995,800.00	6,995,076.67	2.110	2.148	12	12/13/2018
912796QQ5	952	US Treasury Bill		11/08/2018	9,000,000.00	8,986,770.00	8,985,765.00	2.190	2.227	26	12/27/2018
912796QS1	953	US Treasury Bill		11/08/2018	9,000,000.00	8,978,850.00	8,977,900.00	2.210	2.249	40	01/10/2019
Subtotal and Average			20,751,994.14		25,000,000.00	24,961,420.00	24,958,741.67		2.213	27	
Local Agency Investment Funds											
SYS336	336	Local Agency Invstmt Fund			65,000,000.00	64,859,106.26	65,000,000.00	2.208	2.208	1	
Subtotal and Average			65,000,000.00		65,000,000.00	64,859,106.26	65,000,000.00		2.208	1	
Total and Average			124,811,386.13		135,866,817.79	135,483,834.05	135,777,853.68		2.098	45	

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Cash
November 30, 2018

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
Money Mkt Mutual Funds/Cash										
SYS10033	10033	Revolving Fund		07/01/2018	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2018	342,307.68	342,307.68	342,307.68		0.000	1
		Average Balance	0.00							1
Total Cash and Investments			124,811,386.13		136,229,125.47	135,846,141.73	136,140,161.36		2.098	45

**“We visualize problems and solutions
through the eyes of those we serve.”**



ORANGE COUNTY FIRE AUTHORITY
Aging Report
By Maturity Date
As of December 1, 2018

Orange County Fire Authority
 1 Fire Authority Road
 Irvine, Irvine, CA 92602
 (714)573-6301

					Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval: 0 days	(12/01/2018 - 12/01/2018)	4 Maturities	0 Payments		78,229,125.47	57.46%	78,229,125.47	78,088,231.73
Aging Interval: 1 - 30 days	(12/02/2018 - 12/31/2018)	2 Maturities	0 Payments		16,000,000.00	11.74%	15,980,841.67	15,982,570.00
Aging Interval: 31 - 60 days	(01/01/2019 - 01/30/2019)	2 Maturities	0 Payments		26,000,000.00	19.05%	25,930,194.22	25,932,100.00
Aging Interval: 61 - 91 days	(01/31/2019 - 03/02/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 92 - 121 days	(03/03/2019 - 04/01/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 122 - 152 days	(04/02/2019 - 05/02/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 153 - 183 days	(05/03/2019 - 06/02/2019)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Aging Interval: 184 - 274 days	(06/03/2019 - 09/01/2019)	1 Maturities	0 Payments		7,000,000.00	5.14%	7,000,000.00	6,933,150.00
Aging Interval: 275 - 365 days	(09/02/2019 - 12/01/2019)	1 Maturities	0 Payments		9,000,000.00	6.61%	9,000,000.00	8,910,090.00
Aging Interval: 366 days and after	(12/02/2019 -)	0 Maturities	0 Payments		0.00	0.00%	0.00	0.00
Total for		10 Investments	0 Payments			100.00%	136,140,161.36	135,846,141.73



NOTES TO PORTFOLIO MANAGEMENT REPORT

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank (formerly Union Bank) Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year end. The adjustment for June 30, 2018 includes a decrease of (\$121,754) to the LAIF investment and a decrease of (\$246,740) to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks, yet allow that liquidity to be invested while payment of the outstanding checks is pending.



Local Agency Investment Fund (LAIF)

As of November 30, 2018, OCFA has \$65,000,000 invested in LAIF. The fair value of OCFA's LAIF investment is calculated using a participant fair value factor provided by LAIF on a quarterly basis. The fair value factor as of September 30, 2018 is 0.997832404. When applied to OCFA's LAIF investment, the fair value is \$64,859,106 or (\$140,894) below cost. Although the fair value of the LAIF investment is lower than cost, OCFA can withdraw the actual amount invested at any time.

LAIF is included in the State Treasurer's Pooled Money Investment Account (PMIA) for investment purposes. The PMIA market valuation at November 30, 2018 is included on the following page.

**State of California
Pooled Money Investment Account
Market Valuation
11/30/2018**

Carrying Cost Plus			
Description	Accrued Interest Purch.	Fair Value	Accrued Interest
United States Treasury:			
Bills	\$ 17,834,331,743.48	\$ 17,984,428,000.00	NA
Notes	\$ 25,164,100,239.25	\$ 25,063,391,500.00	\$ 94,937,717.50
Federal Agency:			
SBA	\$ 751,977,133.40	\$ 743,809,603.40	\$ 1,415,524.93
MBS-REMICs	\$ 25,686,312.74	\$ 26,022,473.20	\$ 119,893.42
Debentures	\$ 2,067,230,421.62	\$ 2,051,829,700.00	\$ 9,295,494.05
Debentures FR	\$ -	\$ -	\$ -
Debentures CL	\$ 100,000,000.00	\$ 99,387,500.00	\$ 396,250.00
Discount Notes	\$ 10,159,747,875.12	\$ 10,215,334,000.00	NA
Supranational Debentures	\$ 489,118,743.08	\$ 486,602,900.00	\$ 1,951,973.00
Supranational Debentures FR	\$ 150,344,087.56	\$ 150,696,852.73	\$ 464,581.53
CDs and YCDs FR	\$ 425,000,000.00	\$ 425,074,000.00	\$ 1,884,625.74
Bank Notes	\$ 850,000,000.00	\$ 849,276,238.42	\$ 6,447,444.45
CDs and YCDs	\$ 11,500,000,000.00	\$ 11,493,443,085.16	\$ 65,961,166.73
Commercial Paper	\$ 5,407,676,333.36	\$ 5,426,067,444.42	NA
Corporate:			
Bonds FR	\$ -	\$ -	\$ -
Bonds	\$ -	\$ -	\$ -
Repurchase Agreements	\$ -	\$ -	\$ -
Reverse Repurchase	\$ -	\$ -	\$ -
Time Deposits	\$ 4,762,240,000.00	\$ 4,762,240,000.00	NA
AB 55 & GF Loans	\$ 758,137,000.00	\$ 758,137,000.00	NA
TOTAL	\$ 80,445,589,889.61	\$ 80,535,740,297.33	\$ 182,874,671.35

Fair Value Including Accrued Interest	\$ 80,718,614,968.68
---------------------------------------	----------------------

Repurchase Agreements, Time Deposits, AB 55 & General Fund loans, and Reverse Repurchase agreements are carried at portfolio book value (carrying cost).



Orange County Fire Authority
Preliminary Investment Report
December 14, 2018



ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Summary
December 14, 2018

Orange County Fire Authority
1 Fire Authority Road
Irvine, CA 92602
(714)573-6301

(See Note 1 on page 18)

(See Note 2 on page 18)

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM/C 360 Equiv.	YTM/C 365 Equiv.
Money Mkt Mutual Funds/Cash	10,616,125.30	10,616,125.30	10,616,125.30	8.39	1	1	1.736	1.760
Federal Agency Coupon Securities	16,000,000.00	15,856,660.00	16,000,000.00	12.64	878	277	1.436	1.456
Federal Agency Disc. -Amortizing	17,000,000.00	16,968,720.00	16,967,473.33	13.41	46	30	2.335	2.367
Treasury Discounts -Amortizing	18,000,000.00	17,981,100.00	17,979,065.00	14.21	56	19	2.208	2.238
Local Agency Investment Funds	65,000,000.00	64,859,106.26	65,000,000.00	51.36	1	1	2.178	2.208
Investments	126,616,125.30	126,281,711.56	126,562,663.63	100.00%	126	42	2.072	2.101
Cash								
Passbook/Checking (not included in yield calculations)	572,025.98	572,025.98	572,025.98		1	1	0.000	0.000
Total Cash and Investments	127,188,151.28	126,853,737.54	127,134,689.61		126	42	2.072	2.101

Total Earnings	December 14 Month Ending	Fiscal Year To Date
Current Year	108,006.48	1,279,049.59
Average Daily Balance	135,789,054.83	143,990,933.88
Effective Rate of Return	2.07%	1.94%

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2018. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

Patricia Jakubiak, Treasurer

Cash and Investments with GASB 31 Adjustment:

Book Value of Cash & Investments before GASB 31 (Above)

\$ 127,134,689.61

GASB 31 Adjustment to Books (See Note 3 on page 18)

\$ (368,493.66)

Total

\$ 126,766,195.95

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Investments
December 14, 2018

(See Note 1 on page 18) (See Note 2 on page 18)

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	YTM/C	Days to Maturity	Stated Rate	Book Value	YTM/C 365	Days to Maturity	Maturity Date
Money Mkt Mutual Funds/Cash													
SYS528	528	Federated Treasury Obligations			10,616,125.30	10,616,125.30			1.760	10,616,125.30	1.760	1	
Subtotal and Average			13,858,648.11		10,616,125.30	10,616,125.30				10,616,125.30	1.760	1	
Federal Agency Coupon Securities													
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,937,210.00			1.180	7,000,000.00	1.375	229	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,919,450.00			1.625	9,000,000.00	1.518	314	10/25/2019
Subtotal and Average			16,000,000.00		16,000,000.00	15,856,660.00				16,000,000.00	1.456	277	
Federal Agency Disc. -Amortizing													
313384AP4	954	Fed Home Loan Bank		11/29/2018	17,000,000.00	16,968,720.00			2.296	16,967,473.33	2.367	30	01/14/2019
Subtotal and Average			16,960,425.89		17,000,000.00	16,968,720.00				16,967,473.33	2.367	30	
Treasury Discounts -Amortizing													
912796QQ5	952	US Treasury Bill		11/08/2018	9,000,000.00	8,994,330.00			2.190	8,993,430.00	2.227	12	12/27/2018
912796QS1	953	US Treasury Bill		11/08/2018	9,000,000.00	8,986,770.00			2.210	8,985,635.00	2.249	26	01/10/2019
Subtotal and Average			23,969,980.83		18,000,000.00	17,981,100.00				17,979,065.00	2.238	19	
Local Agency Investment Funds													
SYS336	336	Local Agency Invstmt Fund			65,000,000.00	64,859,106.26			2.208	65,000,000.00	2.208	1	
Subtotal and Average			65,000,000.00		65,000,000.00	64,859,106.26				65,000,000.00	2.208	1	
Total and Average			135,789,054.83		126,616,125.30	126,281,711.56				126,562,663.63	2.101	42	

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Cash
December 14, 2018

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
Money Mkt Mutual Funds/Cash										
SYS10033	10033	Revolving Fund		07/01/2018	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2018	552,025.98	552,025.98	552,025.98		0.000	1
		Average Balance	0.00							1
Total Cash and Investments			135,789,054.83		127,188,151.28	126,853,737.54	127,134,689.61		2.101	42

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ORANGE COUNTY FIRE AUTHORITY
Aging Report
By Maturity Date
As of December 15, 2018

Orange County Fire Authority
 1 Fire Authority Road
 Irvine, Irvine, CA 92602
 (714)573-6301

					Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval:	0 days	(12/15/2018 - 12/15/2018)	4 Maturities	0 Payments	76,188,151.28	59.93%	76,188,151.28	76,047,257.54
Aging Interval:	1 - 30 days	(12/16/2018 - 01/14/2019)	3 Maturities	0 Payments	35,000,000.00	27.49%	34,946,538.33	34,949,820.00
Aging Interval:	31 - 60 days	(01/15/2019 - 02/13/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	61 - 91 days	(02/14/2019 - 03/16/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	92 - 121 days	(03/17/2019 - 04/15/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	122 - 152 days	(04/16/2019 - 05/16/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	153 - 183 days	(05/17/2019 - 06/16/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	184 - 274 days	(06/17/2019 - 09/15/2019)	1 Maturities	0 Payments	7,000,000.00	5.51%	7,000,000.00	6,937,210.00
Aging Interval:	275 - 365 days	(09/16/2019 - 12/15/2019)	1 Maturities	0 Payments	9,000,000.00	7.08%	9,000,000.00	8,919,450.00
Aging Interval:	366 days and after	(12/16/2019 -)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Total for			9 Investments	0 Payments	127,188,151.28	100.00%	127,134,689.61	126,853,737.54



NOTES TO PORTFOLIO MANAGEMENT REPORT

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year end. The adjustment for June 30, 2018 includes a decrease of (\$121,754) to the LAIF investment and a decrease of (\$246,740) to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks, yet allow that liquidity to be invested while payment of the outstanding checks is pending.

GLOSSARY

INVESTMENT TERMS

Basis Point. Measure used in quoting yields on bonds and notes. One basis point is .01% of yield.

Book Value. This value may be the original cost of acquisition of the security, or original cost adjusted by the amortization of a premium or accretion of a discount. The book value may differ significantly from the security's current value in the market.

Commercial Paper. Unsecured short-term promissory notes issued by corporations, with maturities ranging from 2 to 270 days; may be sold on a discount basis or may bear interest.

Coupon Rate. Interest rate, expressed as a percentage of par or face value, that issuer promises to pay over lifetime of debt security.

Discount. The amount by which a bond sells under its par (face) value.

Discount Securities. Securities that do not pay periodic interest. Investors earn the difference between the discount issue price and the full face value paid at maturity. Treasury bills, bankers' acceptances and most commercial paper are issued at a discount.

Effective Rate of Return. Rate of return on a security, based on its purchase price, coupon rate, maturity date, and the period between interest payments.

Federal Agency Securities. Securities issued by agencies such as the Federal National Mortgage Association and the Federal Farm Credit Bank. Though not general obligations of the US Treasury, such securities are sponsored by the government and therefore have high credit ratings. Some are issued on a discount basis and some are issued with coupons.

Federal Funds. Funds placed in Federal Reserve banks by depository institutions in excess of current reserve requirements. These depository institutions may lend fed funds to each other overnight or on a longer basis. They may also transfer funds among each other on a same-day basis through the Federal Reserve banking system. Fed Funds are considered to be immediately available funds.

Fed Funds Rate. The interest rate charged by one institution lending federal funds to another.

Federal Open Market Committee. The branch of the Federal Reserve Board that determines the direction of monetary policy.

Local Agency Investment Fund (LAIF). A California State Treasury fund which local agencies may use to deposit funds for investment and for reinvestment with a maximum of \$50 million for any agency (*excluding bond funds, which have no maximum*). It offers high liquidity because

deposits can be converted to cash in 24 hours and no interest is lost. Interest is paid quarterly and the State's administrative fee cannot exceed 1/4 of a percent of the earnings.

Market value. The price at which the security is trading and could presumably be purchased or sold.

Maturity Date. The specified day on which the issuer of a debt security is obligated to repay the principal amount or face value of security.

Money Market Mutual Fund. Mutual funds that invest solely in money market instruments (short-term debt instruments, such as Treasury bills, commercial paper, bankers' acceptances, repurchase agreements and federal funds).

Par. Face value or principal value of a bond typically \$1,000 per bond.

Rate of Return. The amount of income received from an investment, expressed as a percentage. A *market rate of return* is the yield that an investor can expect to receive in the current interest-rate environment utilizing a buy-and-hold to maturity investment strategy.

Treasury Bills. Short-term U.S. government non-interest bearing debt securities with maturities of no longer than one year. The yields on these bills are monitored closely in the money markets for signs of interest rate trends.

Treasury Notes. Intermediate U.S. government debt securities with maturities of one to 10 years.

Treasury bonds. Long-term U.S. government debt securities with maturities of 10 years or longer.

Yield. Rate of return on a bond.

Yield-to-maturity. Rate of return on a bond taking into account the total annual interest payments, the purchase price, the redemption value and the amount of time remaining until maturity.

ECONOMIC TERMS

Conference Board Consumer Confidence Index A survey that measures how optimistic or pessimistic consumers are with respect to the economy in the near future.

Consumer Price Index (CPI). A measure that examines the weighted average of prices of a basket of consumer goods and services, such as transportation, food and medical care. Changes in CPI are used to assess price changes associated with the cost of living.

Durable Goods Orders. An economic indicator released monthly that reflects new orders placed with domestic manufacturers for delivery of factory durable goods such as autos and appliances in the near term or future.

Gross Domestic Product. The monetary value of all the finished goods and services produced within a country's borders in a specific time period. It includes all of private and public consumption, government outlays, investments and exports less imports that occur within a defined territory.

Industrial Production. An economic indicator that is released monthly by the Federal Reserve Board. The indicator measures the amount of output from the manufacturing, mining, electric and gas industries.

ISM Institute for Supply Management (ISM) Manufacturing Index. A monthly index that monitors employment, production inventories, new orders and supplier deliveries.

ISM Non-manufacturing Index. An index based on surveys of non-manufacturing firms' purchasing and supply executives. It tracks economic data for the service sector.

Leading Economic Index. A monthly index used to predict the direction of the economy's movements in the months to come. The index is made up of 10 economic components, whose changes tend to precede changes in the overall economy.

National Federation of Independent Business Small Business Optimism Index. An index based on surveys of small business owners' plans and expectations regarding employment, capital, inventories, economic improvement, credit conditions, expansion, and earnings trends in the near term or future.

Producer Price Index. An index that measures the average change over time in the selling prices received by domestic producers for their output.

University of Michigan Consumer Sentiment Index. An index that measures the overall health of the economy as determined by consumer opinion. It takes into account an individual's feelings toward his or her own current financial health, the health of the economy in the short term and the prospects for longer term economic growth.



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3B
Consent Calendar

Blanket Order Contract Extension – Voyager Fuel Card Program

Contact(s) for Further Information

Jim Ruane, Assistant Chief
Logistics Department

jimruane@ocfa.org

714.573.6304

Rick Oborny, Fleet Services Manager

rickoborny@ocfa.org

714.573.6651

Summary

This agenda item is submitted for the approval to extend the blanket order contract with U.S Bank for the Voyager Fuel Card Program utilizing the State of California participating addendum.

Prior Board/Committee Action(s)

On January 26, 2017, the Executive Committee approved extension of the annual blanket order for the Voyager Fuel Card Program.

RECOMMENDED ACTION(S)

Approve and authorize the Purchasing Manager to extend the annual blanket order contract with U.S. Bank for the Voyager Card Program utilizing the State of California Participating Addendum in an amount not to exceed \$730,000 annually through December 31, 2020.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for the fuel card program is included in the FY 2018/19 budget, specifically in the Logistics Department, Fleet Services section budget for transportation.

Background

As an emergency response agency, OCFA requires the ability to refuel vehicles during emergency situations. The Voyager credit card system was implemented to allow personnel in the field to have the ability to refuel their apparatus as necessary without having to travel to an OCFA station equipped with a refueling facility or use personal funds. Each of the vehicles in the OCFA fleet is assigned a credit card for purchase of fuel. Although staff and crews attempt to fuel at one of the 21 OCFA fuel locations, the Voyager fuel card gives the flexibility to fuel at over 10,000 locations throughout the State of California. This process allows for ease in refueling with good accountability and security. The Department of General Services, Office of Fleet and Asset Management administers the state fleet card contract and program. The state fleet card contract and program enable the State of California and local government agencies to pay for fuel and emergency services associated with government vehicles. The State of California has extended the agreement with U.S. Bank to continue providing fleet card services through Amendment 1 to Participating Addendum No. 7-16-99-27. OCFA Fleet Services is requesting approval to extend the blanket order contract with U.S. Bank for the Voyager Fleet Card Program, piggybacking off the State of California contract through the contract termination date of December 31, 2020.

Attachment(s)

State of California Participating Addendum No. 7-16-99-27 Amendment 1

**STATE OF CALIFORNIA
PARTICIPATING ADDENDUM NO. 7-16-99-27**

Amendment 1

WASHINGTON NASPO VALUEPOINT

COMMERCIAL CARD SOLUTIONS CONTRACT 00612-CATEGORY 2
U.S. Bank National Association (Contractor)

This Amendment 1 ("**Amendment**") for Participating Addendum Number 7-16-99-27 ("**Participating Addendum**") is entered into between the State of California, Department of General Services ("**DGS**" or "**State**") and U.S. Bank National Association ("**Contractor**" or "**U.S. Bank**").

The parties mutually agree to amend the Participating Addendum as follows:

1. Agreement is extended from December 31, 2018 to December 31, 2020. **Section 2. TERM** is revised to read as follows:

TERM

The term of this Participating Addendum shall begin upon signature approval by the State and end December 31, 2020, or upon termination, whichever occurs first.

2. All references to "WSCA-NASPO" are hereby revised to "NASPO ValuePoint".
3. **Section 5. CONTRACT MANAGEMENT, Subpart B. State Fleet Card Program Manager** is amended to read as follows:

The State Fleet Card Program Manager responsible for managing day-to-day operation of the State's Fleet Card Program is as follows:

Name: Keith Leech
Phone: (916) 928-6855
E-Mail: Keith.Leech@dgs.ca.gov
Address: Department of General Services
Office of Fleet and Asset Management
1700 National Drive
Sacramento, CA 95834

4. Effective January 1, 2019, **Exhibit A, Section 2. Subpart M. Fleet Program Reporting** is amended to read as follows:

M. Fleet Program Reporting

Contractor will be required to provide the following reports to the State. State may request additional reporting information for Fleet Card Program activity during the term of the Participating Addendum and Contractor will work with Fleet Card Program Manager to provide requested reports.

1) Usage Report

Contractor shall provide an electronic Usage Report to the State on a quarterly (3 calendar months) basis. The report shall provide the calculated incentive share (rebates) by Participating Agency and total incentive share (rebates) to be provided to the State for the calendar quarter.

Report must contain at a minimum, but not limited to, the data elements identified below:

- Participating Agency Name
- Quarterly Volume Sales
- Total number of Transactions
- U.S. Bank Voyager Maintenance Solution® Volume
- Total number of U.S. Bank Voyager Maintenance Solution® Volume Transactions
- Calculated incentive share (rebates) for Incentive Share Component #1 (by Participating Agency)
- Calculated incentive share (rebates) for Incentive Share Component #2 (by Participating Agency)
- Calculated incentive share (rebates) for Incentive Share Component #3 (by Participating Agency)
- Charge-offs (by Participating Agency)
- Total actual incentive share (rebate) for Incentive Share Component #1 through Incentive Share Component #3 (for all Participating Agencies) to be paid to the State in accordance with Exhibit E, Section 4 (Incentive Share Payment Schedule and Terms)

Report shall be provided to the State Fleet Card Program Manager, in Excel format via email, within 60 days following the last day of the quarter. Within 30 calendar days from Participating Addendum execution, the Contractor must submit a preliminary report to the State Fleet Card Program Manager for review. After mutual review by both parties, the State Fleet Program Manager will approve final usage report format.

2) Delinquency Report

Contractor shall provide an electronic Delinquency Report to the State on a monthly basis. The report shall list Participating Agencies with balances past due greater than 45 calendar days. Report shall be provided to the State Fleet Card Program Manager, in Excel format via email, within 15 calendar days following the last day of the calendar month.

5. Effective January 1, 2019, Exhibit A is hereby amended to add the following provision as Section 2. Subpart O.

O. U.S. Bank Voyager Maintenance Solution® (Local Government Agency Use Only)

- 1) U.S. Bank Voyager Maintenance Solution® is a card-less maintenance services payment tool for optional use by Local Governmental Agencies only.
- 2) Each Local Government Agency will individually determine whether to enroll in the U.S. Bank Voyager Maintenance Solution® option.
- 3) The Fleet Standard Volume Sales Incentive Rate (Incentive Share Component #1 outlined in Exhibit E, Section 3, Subpart A) will apply to all transactions for non-registered vehicles and Participating Agencies which are not enrolled in the U.S. Bank Voyager Maintenance Solution®.
- 4) **Compelled Disclosure.** The parties acknowledge and agree that Contractor is compelled to disclose to all potential U.S. Bank Voyager Maintenance Solution® users:
 - a) If there are any third-party providers of software, such third parties retain all title and ownership of the software. Further, the software and any derivative is protected by copyright and may be protected by patent, trademark, or other proprietary rights and laws of the United States, Canada, or other jurisdictions and subject to user authorization of any access or user agreement and other policies required by the third-party software provider. Any rights not granted in

this Agreement are reserved by the third-party software provider. Local Governmental Agency may choose to grant its authorization at the time it desires to access the software. If Local Governmental Agency does not grant its authorization, access to the software may be withheld by the third-party.

- b) Local Governmental Agency will, at no time, submit Identification Information and/or payment card information into the U.S. Bank Voyager Maintenance Solution® system.
 - c) Enrolled Local Governmental Agency will have full access to the U.S. Bank Voyager Maintenance Solution®. However Local Governmental Agency may be required to purchase a data license, at the Local Governmental Agency's option and expense, if it elects to obtain industry standard parts and labor pricing comparisons.
6. Effective January 1, 2019, Exhibit E is hereby struck in its entirety and replaced by the attached revised Exhibit E.
7. Effective January 1, 2019, the following definitions are hereby incorporated and inserted alphabetically into Exhibit F, Section 2. DEFINITIONS:

Term	Definition
Annual Volume Sales	All Charges set forth on the Billing Statements furnished for all Accounts in an Agreement Year, less Fees, Fraudulent Charges, chargebacks, and amounts Charged-off by Contractor with respect to such accounts as uncollectible for each calendar year.
Identification Information	Legal names, physical street addresses, taxpayer identification or business numbers, dates of birth, or other information or documentation required to confirm the identification of any entity or person.
U.S. Bank Voyager Maintenance Solution® Volume	Charges set forth on the Statements furnished for all Accounts for transactions processed through the U.S. Bank Voyager Maintenance Solution®.

All other terms and conditions of the Participating Addendum shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date of execution by both parties below.

STATE OF CALIFORNIA

Department of General Services

Agency Name

 12-21-18
Signature of Authorized Signer Date Signed

Printed Name and Title of Authorized Signer

707 Third Street
West Sacramento, CA 95605

Address

CONTRACTOR

U.S. Bank National Association

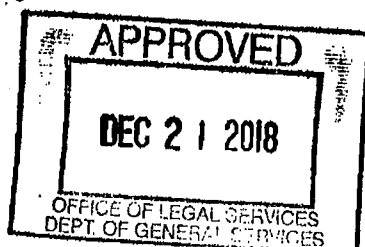
Contractor Name

 12/18/18
Signature of Authorized Signer Date Signed

Printed Name and Title of Authorized Signer

901 Marquette Avenue
Minneapolis, MN 55402

Address



**State of California Participating Addendum No. 7-16-99-27
Local Agency Subscription Agreement**

This Local Agency Subscription Agreement ("Local Agency Subscription Agreement") constitutes an agreement to participate under the terms and conditions of the State of California Participating Addendum No. 7-16-99-27 ("Participating Addendum") signed July 27, 2016 and entered into by U.S. Bank National Association ("U.S. Bank") and the State of California, Department of General Services ("State"). This Local Agency Subscription Agreement is entered into by U.S. Bank and the "Local Governmental Agency" identified herein, and shall become effective upon signing U.S. Bank ("Effective Date").

RECITALS

- A. The State has entered into the Participating Addendum for the purpose of making available a Fleet Card Program as described in the Participating Addendum for use by State of California state agencies and local governmental agencies;
- B. The State is willing to permit Local Governmental Agency to participate in the Fleet Card Program provided that Local Governmental Agency assumes all responsibility and liability for Local Governmental Agency's performance of the terms and conditions of the Participating Addendum as if Local Governmental Agency was the entity signing the Participating Addendum, but Local Governmental Agency shall not be liable for the acts and omissions of the State under the Participating Addendum or this Local Agency Subscription Agreement. The State is not liable for Local Governmental Agency under the Participating Addendum or this Local Agency Subscription Agreement; and
- C. Local Governmental Agency has received a copy of the Participating Addendum from the State, and any amendments thereto, and after a thorough review of the Participating Addendum, desires to participate as a Local Governmental Agency under the Participating Addendum. Participating Addendum No. 7-16-99-27 is incorporated into this Local Agency Subscription Agreement in its entirety and all terms and conditions of the Participating Addendum apply to the Local Governmental Agency.

AGREEMENT

Now therefore, in consideration of the foregoing Recitals, the mutual premises and covenants set forth in the Participating Addendum, which are incorporated herein by reference, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all parties agree as follows:

- A. **Definitions.** Capitalized terms used in this Local Agency Subscription Agreement and not otherwise defined in this Local Agency Subscription Agreement are used with the same respective meanings attributed thereto in the Participating Addendum.
- B. **Local Governmental Agency Responsibility.** Local Governmental Agency accepts all duties required of Participating Agencies as set forth in the Participating Addendum.
- C. **Financial Information.** In order to determine credit qualifications for Local Governmental Agency, Local Governmental Agency shall provide U.S. Bank with the last three (3) years of audited financial statements with this signed Local Agency Subscription Agreement. Local Governmental Agency shall provide to U.S. Bank annual financial statements thereafter. U.S. Bank will review the financial statements and notify Local Governmental Agency of the approval or decline of its credit qualification. Local Governmental Agency will not be required to provide such financial statements if U.S. Bank can obtain them independently.
- D. **Payment.** Local Governmental Agency shall make payment to U.S. Bank for all Debt incurred by Local Governmental Agency, its Cardholders and Accountholders as provided in the Participating Addendum. "Debt" means all amounts charged to a card and/or account including without limitation all amounts related to purchases, fees and other Charges that are owed to U.S. Bank by Local Government Agencies, its Cardholders and Accountholders.
- E. **Warranties.** Local Governmental Agency agrees that the failure of the following warranties to be true during the term of this Local Agency Subscription Agreement shall constitute a material breach.
 - 1) Local Governmental Agency warrants that the financial information and all other information provided to U.S. Bank or its officers, employees, agents, successors, and assigns is true, complete, and accurate and this Local Agency Subscription Agreement constitutes a valid, binding, and enforceable agreement;
 - 2) The transaction contemplated by this Local Agency Subscription Agreement is within the scope of the normal course of business and has received any required further authorization for Local Governmental Agency to be duly bound by this Local Agency Subscription Agreement;
 - 3) The execution of this Local Agency Subscription Agreement and the performance of its obligations under the Local Agency Subscription Agreement are within Local Governmental Agency's powers, have been authorized by all necessary action, and do not constitute a breach of any agreement by Local Governmental Agency with any party;
 - 4) The Local Governmental Agency has and continues to comply with all applicable state and federal statutes, ordinances, rules, regulations, and requirements of governmental authorities as they relate to the use of the Fleet Card or participation in the Fleet Card Program;

- 5) The execution of this Local Agency Subscription Agreement and the performance of its obligations under this Local Agency Subscription Agreement will not cause a breach by Local Governmental Agency of any duty arising in law or equity; and
- 6) At the time of execution of this Local Agency Subscription Agreement, Local Governmental Agency possesses the financial capacity to perform all of its obligations under this Local Agency Subscription Agreement.
- F. The notice address for Local Governmental Agency is:
Orange County Fire Authority
1 Fire Authority Road
Irvine, CA 92602

Attn: Debbie Casper
- G. **Authorization.** Local Governmental Agency certifies to U.S. Bank that the person executing this Local Agency Subscription Agreement is authorized by Local Governmental Agency in accordance with its organization rules and applicable law to bind Local Governmental Agency to the terms and conditions of this Local Agency Subscription Agreement, including the authority to incur Debt in the name of Local Governmental Agency.
- H. **Execution.** By signing below, the individual(s) signing this Local Agency Subscription Agreement is/are acting in his or her capacity as an authorized signing officer of Local Governmental Agency and not in his or her personal capacity, and certifies and warrants that (1) all action required by Local Governmental Agency organizational documents to authorize the signer(s) to act on behalf of Local Governmental Agency in all actions taken under this Local Agency Subscription Agreement, including but not limited to, the authority to incur Debt on behalf of Local Governmental Agency, has been taken, (2) each signer is empowered in the name of and on behalf of Local Governmental Agency to enter into all transactions contemplated in this Local Agency Subscription Agreement, and (3) the signatures appearing on all supporting documents of authority, if any, are authentic.
- I. **Reliance.** Local Governmental Agency has read, understands and agrees to all terms and conditions in this Local Agency Subscription Agreement and the Participating Addendum, and U.S. Bank is entitled to act in reliance upon the authorizations and certifications set forth herein.

IN WITNESS WHEREOF the parties have executed this Local Agency Subscription Agreement by their authorized representatives.

Dated this <u>20</u> day of <u>January</u> , 20 <u>17</u>	Dated this <u>March 06</u> , 20 <u>17</u>
By Local Governmental Agency:	By U.S. Bank:
<u>Orange County Fire Authority</u> (Name)	<u>U.S. Bank National Association</u>
<u>Debbie Casper</u> (Signature of Authorized Signer)	<u>E-SIGNED by Michael Leppones</u> (Signature of Authorized Signer)
<u>Debbie Casper</u> (Printed Name of Authorized Signer)	<u>Michael C. Leppones</u> (Printed Name of Authorized Signer)
<u>Purchasing & Materials Manager</u> (Printed Title of Authorized Signer)	<u>Vice President</u> (Printed Title of Authorized Signer)

Approved as to form:
David Kendig
(Signature of Attorney for Local Governmental Agency)
DAVID KENDIG
(Printed Name of Attorney)

STATE OF CALIFORNIA
PARTICIPATING ADDENDUM NO. 7-16-99-27
WASHINGTON WSCA-NASPO COMMERCIAL CARD SOLUTIONS
CONTRACT 00612-CATEGORY 2
U.S. Bank National Association (Contractor)

This Participating Addendum Number 7-16-99-27 is entered into between the State of California, Department of General Services (hereafter referred to as "State" or "DGS") and U.S. Bank National Association (hereafter referred to as "Contractor" or "U.S. Bank") under the State of Washington WSCA-NASPO Commercial Card Solutions Contract Number 00612-Category 2.

1. SCOPE

- A. This Participating Addendum provides the following commercial card products and associated services offered under the WSCA-NASPO Commercial Card Contract 00612-Category 2 to be provided by the Contractor to the State of California and eligible entities participating in the State of California Fleet Card Program:
 - Fleet Card (Corporate Liability)
- B. This Participating Addendum is available for all State of California state agencies and local governmental agencies as defined in Exhibit A, Section 2.B (Eligible Participating Agencies).
- C. Each local governmental agency shall make its own determination whether this Participating Addendum and the WSCA-NASPO Commercial Card Contract are consistent with its procurement policies and regulations.

2. TERM

The Participating Addendum term will be upon signature approval by the State through December 31, 2018, or upon termination, whichever occurs first. Fleet card services under this Participating Addendum will be effective November 1, 2016 ("Effective Date").

The State will have the option to extend the term of this Participating Addendum in the event the Washington WSCA-NASPO Commercial Card Contract term is extended. Lead State amendments to extend the Washington WSCA-NASPO Commercial Card Contract term date are not automatically incorporated into this Participating Addendum. Any extension(s) to the term of this Participating Addendum will be through a written amendment upon mutual agreement between the State and the Contractor.

3. INCORPORATION OF DOCUMENTS

A. Lead State Agreement

State of Washington WSCA-NASPO Commercial Card Solutions Contract Number 00612-Category 2 is hereby incorporated by reference and made a part of this Participating Addendum.

B. Terms and Conditions

Terms and conditions of the following exhibits are hereby incorporated and made a part of this Participating Addendum:

- Exhibit A – Scope of Work and Fleet Card Program Requirements (6 pages)
- Exhibit B – General Terms and Conditions (GTC 610 as modified) (3 pages)
- Exhibit C – Contractor Certification Clauses (CCC 307) (4 pages)
- Exhibit D – Agreement for Fleet Card Services (5 pages)
- Exhibit E – Incentives and Fees (3 pages)
- Exhibit F – Glossary of Terms (2 pages)

4. ORDER OF PRECEDENCE

In the event of any inconsistency between the articles, attachments, or provisions which constitute this agreement, the following descending order of precedence shall apply:

- 1) California Participating Addendum Number 7-16-99-27, including Exhibits A-F
- 2) Washington WSCA-NASPO Commercial Card Solutions Contract Number 00612-Category 2
- 3) Washington WSCA-NASPO Commercial Card Solutions Request for Proposal (RFP) 00612
- 4) Approved portions of the Contractor's Response to Washington WSCA-NASPO Commercial Card Solutions RFP 00612

5. CONTRACT MANAGEMENT

A. Contractor Contract Manager

The Contract Manager and primary point of contact for the Contractor shall be as follows:

Contractor: U.S. Bank National Association
Name: Mark Hess
Phone: (612) 436-6544
E-Mail: mark.hess1@usbank.com
Address: 901 Marquette Avenue, EP-MN-16S,
Minneapolis, MN 55402

Should the Contract Manager information change, the Contractor will provide written notice with the updated information to the State Contract Administrator no later than 10 calendar days after the change, or as soon as is reasonably practical.

B. State Fleet Card Program Manager

The State Fleet Card Program Manager responsible for managing day-to-day operation of the State's Fleet Card Program is as follows:

Name: Athanasia R. Brennan
Phone: (916) 928-2575
Fax: (916) 928-4635
E-Mail: Tasha.Brennan@dgs.ca.gov
Address: Department of General Services
Office of Fleet and Asset Management
1700 National Drive
Sacramento, CA 95834

Should the State Fleet Card Program Manager information change, the State will provide written notice with the updated information to the Contractor Contract Manager no later than 10 calendar days after the change, or as soon as is reasonably practical.

C. State Contract Administrator

The State Contract Administrator responsible for the Participating Addendum is as follows:

Name: Julie Matthews
Phone: (916) 375-4612
Fax: (916) 375-4663
E-Mail: Julie.Matthews@dgs.ca.gov
Address: Department of General Services, Procurement Division
707 Third Street, 2nd Floor, MS 2-202
West Sacramento, CA 95605

Should the State Contract Administrator Information change, the State will provide written notice with the updated information to the Contractor Contract Manager no later than 10 calendar days after the change, or as soon as is reasonably practical.

6. AGREEMENT

This Participating Addendum with its exhibits and/or amendments, sets forth the entire agreement between the parties with respect to the subject matter of all previous communications, representations or agreements, whether oral or written, with respect to the subject matter hereof. Terms and conditions inconsistent with, contrary or in addition to the terms and conditions of this Participating Addendum with its exhibits and/or amendments, shall not be added to or incorporated into this Participating Addendum, by any subsequent purchase order or otherwise, and any such attempts to add or incorporate such terms and conditions are hereby rejected. The terms and conditions of this Participating Addendum and its exhibits and/or amendments shall prevail and govern in the case of any such inconsistent or additional terms.

7. AGREEMENT SIGNATURES

IN WITNESS WHEREOF, this Participating Addendum has been executed by the parties hereto.

STATE OF CALIFORNIA

Department of General Services

Agency Name

Jim Butler 7/21/16
Signature of Authorized Signer

Jim Butler, Deputy Director

Printed Name and Title of Authorized Signer

Date Signed

707 Third Street
West Sacramento, CA 95605

Address

CONTRACTOR

U.S. Bank National Association

Contractor Name

Michael C. Leppones
Signature of Authorized Signer

Michael C. Leppones, Vice President

Printed Name and Title of Authorized Signer

Date Signed

7/11/16
901 Marquette Avenue
18th Floor, AT&T Building
Minneapolis, MN 55443

Address

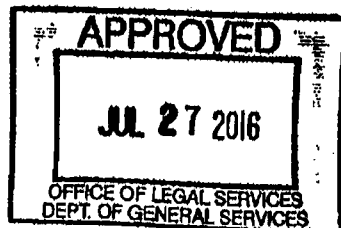


EXHIBIT A – Scope of Work and Fleet Card Program Requirements

1. OVERVIEW OF SERVICES

Contractor will provide fleet card services, offered under the WSCA-NASPO Commercial Card Contract 00612-Category 2, to the State of California and eligible entities participating in the State of California Fleet Card Program.

2. FLEET CARD PROGRAM REQUIREMENTS

A. Fleet Card Program Overview

The Department of General Services, Office of Fleet and Asset Management (DGS-OFAM) administers the State of California Fleet Card Program. The State Fleet Card Program enables eligible entities to pay for fleet purchases while conducting official government business.

B. Eligible Participating Agencies

- 1) State of California state agencies and local government agencies are allowed to participate in the State's Fleet Card Program under this Participating Addendum through a subscription agreement process.
 - a. A "state agency" is any State of California government agency, department, bureau, board, or commission.
 - b. Pursuant to Public Contract Code §10298 and for purposes of this Participating Addendum, a "local government agency" is any city, county, district, or other local governmental body or corporation empowered to expend public funds for the acquisition of goods, information technology, or services. Further, for purposes of this Participating Addendum, reference to local government agencies will also include the California State Universities (CSU) and University of California (UC) systems.
- 2) State agencies may participate in the State's Fleet Card Program under this Participating Addendum upon the signing and submission of a properly completed Subscription Agreement, in the format specified by the State, incorporating all terms and conditions of the Participating Addendum.
- 3) Local governmental agencies may participate in the State's Fleet Card Program under this Participating Addendum upon credit approval by U.S. Bank and upon the signing and submission of a properly completed Local Agency Subscription Agreement, in the format specified by the State. Each local governmental agency will be subject to credit approval by the Contractor as described in Exhibit D, Section 10 (Credit Provisions). Local governmental agencies shall assume responsibility and liability for local governmental agency's performance of the terms and conditions of the Participating Addendum. The State shall not bear liability or responsibility for local governmental agencies participating under this Participating Addendum.
- 4) Upon execution of a properly completed Subscription Agreement and/or Local Agency Subscription Agreement with credit approval from the Contractor, the state agency and/or local governmental agency will become a "Participating Agency" and the provision of services by the Contractor to such Participating Agency will be governed by the terms of this Participating Addendum.

C. Card Products and Liability

The U.S. Bank Fleet Card on the Voyager Network is a Corporate Liability charge card designed for purchases of motor fuels and other products and services by fleet vehicle operations. Participating Agencies shall have no liability for lost or stolen cards or fraudulent use of any corporate liability cards following receipt by U.S. Bank of notice of such loss, theft, or fraudulent use. Card liability and dispute procedures are further defined in Exhibit D, Section 3 (Liability) and Section 8 (Disputed Billings).

D. Statewide Transition and Implementation

Upon Participating Addendum execution and written notice to proceed from the State, the Contractor will work with the State to transition current Fleet Card Participating Agencies to the new Participating Addendum. Contractor and State Fleet Card Program Manager will develop a transition plan specific to the State's Fleet Card Program, including implementation timeframe and "go live" date, to ensure that an efficient and effective transition takes place. Contractor will work with the State Fleet Card Program Manager to meet all required elements of the agreed to plan.

E. Agency Enrollment

Contractor will provide an agency enrollment process for new Fleet Card Program participants. Within 30 calendar days of Participating Addendum execution, the Contractor shall provide the State Fleet Program Manager with a detailed agency enrollment process, procedures, and applicable forms for review. After mutual review by both parties, the State Fleet Program Manager will approve final enrollment process, procedures and forms for use by Participating Agencies.

F. Card Design

- 1) Contractor will be responsible for the embossing and printing of cards. The State will use a basic design as the standard card stock to be used by all Fleet Card participants that will identify the card as a State of California Fleet Card. The State will be responsible for furnishing any necessary artwork (digital file) to the Contractor for changes to the standard design during the term of the Participating Addendum.
- 2) Participating Agency will have the ability to customize standard card stock with verbiage and/or logo embossing.

G. Card Issuance

Participating Agency shall designate cardholders that are authorized to receive Cards and to be issued Account numbers by submitting authorized applications, in a format as specified by the Contractor and State. Contractor will mail cards issued to the Participating Agency's designated point of contact within five business days or sooner after the Contractor receives cardholder account set-up information.

H. Customer Support

- 1) Contractor will provide a dedicated customer service team to support the State's Fleet Card Program throughout the term of the Participating Addendum. Contractor will:
 - Provide qualified, highly skilled personnel and ensure personnel are familiar with all aspects of the State's Fleet Card Program.
 - Provide at least one designated Relationship Manager, available to the Fleet Program Manager and Participating Agency Fleet Card Coordinators Monday through Friday during regular business hours, for Fleet Card Program contract support and escalation issues.
 - Provide at least one designated Account Coordinator, available to Participating Agency Fleet Card Coordinators Monday through Friday during regular business hours, to assist with day-to-day Participating Agency account management support.
 - Provide a designated customer service team for cardholder support.
 - Provide a domestic toll-free phone number available to cardholders 24 hours a day, every day of the year for cardholder services.
 - Have an established escalation process.
- 2) Within 15 calendar days of Participating Addendum execution, the Contractor shall provide the Fleet Program Manager with customer service information including but not limited to:
 - Relationship Manager information
 - Account Coordinator information
 - Customer service unit information
 - Any additional Contractor support contacts (i.e. technical support, cardholder support, etc.) provided for the Fleet Card Program

- 3) Should the customer service information or personnel change during the term of the Participating Addendum, Contractor will provide written notice to the State Fleet Card Program Manager within 10 calendar days before changes or substitutions take place, or as soon as is reasonably practical. Substitutions of personnel will include replacements with similar qualifications.
- 4) The State reserves the right to request additional personnel and/or replacement of current personnel at any time. Contractor will be notified in writing at least 10 calendar days before additional personnel and/or replacement personnel are needed, or as soon as is reasonably practical.

I. Training

- 1) Contractor will provide ongoing training for all Fleet Card Program participants throughout the term of the Participating Addendum including, at a minimum:
 - Online Web-based training for Participating Agency Fleet Card Coordinators and Cardholders
 - Onsite/Classroom training for Participating Agency Fleet Card Coordinators
 - Onsite User Group Forums
 - Written User Reference Guides
- 2) Contractor will work with the State Fleet Card Program Manager on a training plan to be offered for the Fleet Card Program including training types, schedule, user reference guides and additional training materials.

J. Fleet Card Data Management and Reporting System

Contractor shall provide its online (web-based) system, U.S. Bank Fleet Commander® Online, to the State's Fleet Card Program participants for:

- Transaction data collection and management
- Administration of system accounts
- Reporting output and data transfer

Designated authorized personnel from the State and Participating Agency will be provided permissions within Fleet Commander® Online.

K. Fleet Card Program Website and User Instructions

The State will administer a website dedicated to the State's Fleet Card Program for program information, participation forms and additional resources available to Participating Agencies. In addition, the State Fleet Card Program Manager will administer a Procedure Guide for Participating Agencies. Contractor may be required to provide information to the State Fleet Card Program Manager for public posting on the dedicated Fleet Card Program website and/or Procedure Guide.

L. Participating Agency Responsibilities

- 1) All Participating Agencies shall prepare the necessary forms to participate in the Fleet Card Program as described in the Participating Addendum and posted Procedure guide.
- 2) All Participating Agencies shall designate an Agency Fleet Card Coordinator who will serve as the primary point of contact between the Participating Agency and U.S. Bank.
- 3) State agencies participating in the Fleet Card Program shall comply with all applicable procurement laws, regulations, policies, procedures, and best practices, including those discussed in the State Contracting Manuals and User Instructions guide. Participating state agencies must also follow all fleet card program policies established by the Department of General Services, Office of Fleet and Asset Management as described in the State Fleet Card Program Manual.

M. Fleet Program Reporting

Contractor will be required to provide the following reports to the State. State may request additional reporting information for Fleet Card Program activity during the term of the Participating Addendum and Contractor will work with Fleet Card Program Manager to provide requested reports.

1) Usage Report

Contractor shall provide an electronic Usage Report to the State on a quarterly (3 calendar months) basis. The report shall provide the calculated incentive share (rebates) by Participating Agency and total incentive share (rebates) to be provided to the State for the calendar quarter.

Report must contain at a minimum, but not limited to, the data elements identified below:

- Participating Agency Name
- Quarterly Volume Sales
- Total number of Transactions
- Calculated incentive share (rebates) for Incentive Share Component #1 (by Participating Agency)
- Calculated incentive share (rebates) for Incentive Share Component #2 (by Participating Agency)
- Charge-offs (by Participating Agency)
- Total actual incentive share (rebate) for Incentive Share Component #1 and Incentive Share Component #2 (for all Participating Agencies) to be paid to the State in accordance with Exhibit E, Section 4 (Incentive Share Payment Schedule and Terms)

Report shall be provided to the State Fleet Card Program Manager, in Excel format via email, within 60 days following the last day of the quarter. Within 30 calendar days from Participating Addendum execution, the Contractor must submit a preliminary report to the State Fleet Card Program Manager for review. After mutual review by both parties, the State Fleet Program Manager will approve final usage report format.

2) Delinquency Report

Contractor shall provide an electronic Delinquency Report to the State on a monthly basis. The report shall list Participating Agencies with balances past due greater than 45 calendar days. Report shall be provided to the State Fleet Card Program Manager, in Excel format via email, within 15 calendar days following the last day of the calendar month.

N. End-of-Life Transition

Contractor agrees that at the end of the Participating Addendum, should the State conduct another procurement and award a new contract, the Contractor will work with the State to ensure that an efficient and effective transition takes place within nine months or as mutually agreed to by the State and Contractor.

3. PAYMENT PROVISIONS

A. Payment Terms

- 1) Contractor will be responsible for sending an itemized official invoice (statement) to each Participating Agency after the end of each billing cycle as designed for each of the accounts established for the Participating Agency as outlined in Exhibit D, Section 4 (Billing Procedure).
- 2) The full amount of each Participating Agency's monthly balance or billing cycle balance, except for disputed or reported fraud items, will be due within forty-five (45) calendar days from the billing cycle date of the Contractor invoice. Billing disputes are further outlined in Exhibit D, Section 6 (Disputed Billings).
- 3) Payment may be made to the Contractor via check, cash warrant, bank wire, automated clearing house, or electronic funds transfer at the Participating Agency's option.

B. Late Payment Penalties

Late payment penalties for undisputed payments not received by the Contractor within the specified periods will be determined as follows:

- 1) State Agencies – State agencies will be required to pay late payment penalties based on the California Prompt Payment Act (Government Code Section 927 et seq.). The penalty on any undisputed late payment shall be calculated in accordance with the penalty interest rate factor per day formula provided in the State of California Budget Letter 15-08, Late Payment Penalty Rates (or its successor letter).

C. Availability of Funds

This Agreement is valid and enforceable only if sufficient funds are made available by the Budget Act of the appropriate fiscal year for the purposes of this program. In addition, this Agreement is subject to any additional restriction, limitations or conditions enacted by the Legislature, which may affect the provisions, terms, or funding of this Agreement in any manner. In the event sufficient funds are not made available to the State, the State has the option to terminate the Agreement and Participating Agencies shall remain responsible for payment of all amounts owed to Contractor related to charges incurred up until the effective date of termination.

D. Contracts Funded by the Federal Government

It is mutually understood between the parties that this Agreement may have been written for the mutual benefit of both parties before ascertaining the availability of congressional appropriation of funds to avoid program and fiscal delays that would occur if the Agreement were executed after that determination was made.

This Agreement is valid and enforceable only if sufficient funds are made available to the State by the United States Government for the current and/or subsequent years covered by this Agreement for the purpose of this program. In addition, this Agreement is subject to any additional restrictions, limitations, or conditions enacted by the Congress or to any statute enacted by the Congress that may affect the provisions, terms, or funding of this Agreement in any manner.

The parties mutually agree that if the Congress does not appropriate sufficient funds for the program, this Agreement shall be amended to reflect any reduction in funds. The State has the option to terminate the Agreement or to amend the Agreement to reflect any reduction in funds. In the event of termination, Participating Agencies shall remain responsible for payment of all amounts owed to Contractor related to charges incurred up until the effective date of termination.

4. ADDITIONAL REQUIREMENTS

A. Insurance Certificates

Contractor shall furnish copies of certificates for all required insurance, as specified in the WSCA-NASPO Contract Number 00612-Category 2, to the State Contract Administrator within 30 calendar days of the Participating Addendum execution.

Copies of renewal certificates for all required insurance shall be furnished within 30 calendar days after renewal date.

B. Darfur Contracting Act Certification

Pursuant to Public Contract Code §10475 et seq., if the Contractor has or within the previous three years has had business activities or other operations outside the United States, the Contractor must complete a Darfur Contracting Act Certification stating they are not a scrutinized company as defined, or demonstrate Contractor has obtained permission under the statute. Contractor must provide required documentation to the State Contract Administrator within 15 calendar days of the State's written request.

C. Iran Contracting Act Certification

Pursuant to Public Contract Code §2202 et seq., the Iran Contracting Act of 2010, Contractor must complete an Iran Contracting Act Certification to a) certify it is not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code section 2203(b) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of

persons engaged in investment activities in Iran created by DGS; or b) demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code section 2203(c) or (d). Contractor must provide required documentation to the State Contract Administrator within 15 calendar days of the State's written request.

D. Termination (By State or Participating Agency)

- 1) Upon thirty (30) days' notice, the State may terminate the Participating Addendum and any Participating Agency may terminate its respective Subscription Agreement for cause upon a reasonable and good faith determination that the Contractor failed to perform the material requirements of the agreement at the time and in the manner herein provided. In the event of a breach, the State or Participating Agency will send the Contractor a notice specifying the breach and providing the Contractor an opportunity to cure the breach within a period of time no less than 60 calendar days ("Cure Period"). If the breach is not cured within the Cure Period, the State will have the right to terminate the Participating Addendum and the Participating Agency will have the right to terminate its respective Subscription Agreement by notice to the Contractor.
- 2) The State may terminate the Participating Addendum without cause upon 60 calendar days advance written notice to the Contractor. Participating Agencies may terminate their respective Subscription Agreements without cause upon 60 calendar days advance written notice to the Contractor.
- 3) Upon termination of the Participating Addendum and/or Participating Agency's Subscription Agreement, each party will assist the other party in orderly termination of the agreement and transfer of all assets, tangible and intangible, as may facilitate the orderly, undisrupted business continuation of each party. Participating Agencies shall be responsible for payment of all amounts owed to Contractor related to charges incurred up until the effective date of termination.

E. Federal Debarment

The Federal Department of Labor requires that State agencies, which are expending Federal funds of \$25,000 or more, have in the contract file a certification by the supplier that they have not been debarred or suspended from doing business with the Federal Government. Contractor must provide this documentation upon request.

F. News Releases

Unless otherwise exempted, news releases, endorsements, advertising, and social media content pertaining to this Participating Addendum or the State's Fleet Card Program shall not be made without prior written approval of the DGS.

EXHIBIT B -- General Terms and Conditions (GTC 610 as modified)

1. APPROVAL

This Agreement is of no force or effect until signed by both parties and approved by the Department of General Services, if required. Contractor may not commence performance until such approval has been obtained.

2. AMENDMENT

No amendment or variation of the terms of this Agreement shall be valid unless made in writing, signed by the parties and approved as required. No oral understanding or Agreement not incorporated in the Agreement is binding on any of the parties.

3. ASSIGNMENT

This Agreement is not assignable by the parties, either in whole or in part, without the consent of the other party, which shall not unreasonably be withheld or delayed in the form of a formal written amendment.

4. AUDIT

Contractor agrees that the awarding department, the Department of General Services, the Bureau of State Audits, or their designated representative shall have the right to review and to copy any records and supporting documentation pertaining to the performance of this Agreement. Contractor agrees to maintain such records for possible audit for a minimum of three (3) years after final payment, unless a longer period of records retention is stipulated. Contractor agrees to allow the auditor(s) access to such records during normal business hours and to allow interviews of any employees who might reasonably have information related to such records. Further, Contractor agrees to include a similar right of the State to audit records and interview staff in any subcontract related to performance of this Agreement. (Gov. Code §8546.7, Pub. Contract Code §10115 et seq., CCR Title 2, Section 1896).

5. INDEMNIFICATION AND LIMITATION OF LIABILITY

Contractor agrees to indemnify, defend and save harmless the State, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers, and any other person, firm or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by Contractor in the performance of this Agreement.

U.S. BANK SHALL IN NO EVENT BE LIABLE TO THE STATE OR PARTICIPATING AGENCY FOR ANY CONSEQUENTIAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES OF ANY NATURE.

6. AGREEMENT DISPUTES

Both Parties shall continue with the responsibilities under this Agreement during any dispute.

7. TERMINATION FOR CAUSE (Stricken in its entirety—See Exhibit A, Section 4.D)

8. INDEPENDENT CONTRACTOR

Contractor, and the agents and employees of Contractor, in the performance of this Agreement, shall act in an independent capacity and not as officers or employees or agents of the State.

9. RECYCLING CERTIFICATION

The Contractor shall certify in writing under penalty of perjury, the minimum, if not exact, percentage of post-consumer material as defined in the Public Contract Code Section 12200, in products, materials, goods, or supplies offered or sold to the State regardless of whether the product meets the requirements of Public Contract Code Section 12209. With respect to printer or duplication cartridges that comply with the

requirements of Section 12156(e), the certification required by this subdivision shall specify that the cartridges so comply (Pub. Contract Code §12205).

10. NON-DISCRIMINATION CLAUSE

During the performance of this Agreement, Contractor and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Contractor and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Contractor and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

11. CERTIFICATION CLAUSES

The CONTRACTOR CERTIFICATION CLAUSES contained in the document CCC 307 are hereby incorporated by reference and made a part of this Agreement by this reference as if attached hereto.

12. TIMELINESS

Time is of the essence in this Agreement.

13. COMPENSATION

The consideration to be paid Contractor, as provided herein, shall be in compensation for all of Contractor's expenses incurred in the performance hereof, including travel, per diem, and taxes, unless otherwise expressly so provided.

14. GOVERNING LAW

This contract is governed by and shall be interpreted in accordance with the laws of the State of California.

15. ANTITRUST CLAIMS

The Contractor by signing this agreement hereby certifies that if these services or goods are obtained by means of a competitive bid, the Contractor shall comply with the requirements of the Government Codes Sections set out below.

- a. The Government Code Chapter on Antitrust claims contains the following definitions:
 - 1) "Public purchase" means a purchase by means of competitive bids of goods, services, or materials by the State or any of its political subdivisions or public agencies on whose behalf the Attorney General may bring an action pursuant to subdivision (c) of Section 16750 of the Business and Professions Code.
 - 2) "Public purchasing body" means the State or the subdivision or agency making a public purchase. Government Code Section 4550.
- b. In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder. Government Code Section 4552.

- c. If an awarding body or public purchasing body receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under this chapter, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the public body any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery. Government Code Section 4553.
- d. Upon demand in writing by the assignor, the assignee shall, within one year from such demand, reassign the cause of action assigned under this part if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action. See Government Code Section 4554.

16. CHILD SUPPORT COMPLIANCE ACT

For any Agreement in excess of \$100,000, the contractor acknowledges in accordance with Public Contract Code 7110, that:

- a. The contractor recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and
- b. The contractor, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.

17. UNENFORCEABLE PROVISION

In the event that any provision of this Agreement is unenforceable or held to be unenforceable, then the parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby.

18. PRIORITY HIRING CONSIDERATIONS

If this Contract includes services in excess of \$200,000, the Contractor shall give priority consideration in filling vacancies in positions funded by the Contract to qualified recipients of aid under Welfare and Institutions Code Section 11200 in accordance with Pub. Contract Code §10353.

19. SMALL BUSINESS PARTICIPATION AND DVBE PARTICIPATION REPORTING REQUIREMENTS

- a. If for this Contract Contractor made a commitment to achieve small business participation, then Contractor must within 60 days of receiving final payment under this Contract (or within such other time period as may be specified elsewhere in this Contract) report to the awarding department the actual percentage of small business participation that was achieved. (Govt. Code § 14841.)
- b. If for this Contract Contractor made a commitment to achieve disabled veteran business enterprise (DVBE) participation, then Contractor must within 60 days of receiving final payment under this Contract (or within such other time period as may be specified elsewhere in this Contract) certify in a report to the awarding department: (1) the total amount the prime Contractor received under the Contract; (2) the name and address of the DVBE(s) that participated in the performance of the Contract; (3) the amount each DVBE received from the prime Contractor; (4) that all payments under the Contract have been made to the DVBE; and (5) the actual percentage of DVBE participation that was achieved. A person or entity that knowingly provides false information shall be subject to a civil penalty for each violation. (Mil. & Vets. Code § 999.5(d); Govt. Code § 14841.)


20. LOSS LEADER

If this contract involves the furnishing of equipment, materials, or supplies then the following statement is incorporated: It is unlawful for any person engaged in business within this state to sell or use any article or product as a "loss leader" as defined in Section 17030 of the Business and Professions Code. (PCC 10344(e).)

EXHIBIT C - Contractor Certification Clauses (CCC 307)

CERTIFICATION

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY that I am duly authorized to legally bind the prospective Contractor to the clause(s) listed below. This certification is made under the laws of the State of California.

Contractor/Bidder Firm Name (Printed)		Federal ID Number
U.S. Bank National Association		31-0841368
By (Authorized Signature)		
		
Printed Name and Title of Person Signing		
Michael C. Leppones - Vice President		
Date Executed	Executed in the County of	
7/11/16	HENRYAN	

CONTRACTOR CERTIFICATION CLAUSES

1. STATEMENT OF COMPLIANCE

Contractor has, unless exempted, complied with the nondiscrimination program requirements. (Gov. Code §12990 (a-f) and CCR, Title 2, Section 8103) (Not applicable to public entities.)

2. DRUG-FREE WORKPLACE REQUIREMENTS

Contractor will comply with the requirements of the Drug-Free Workplace Act of 1990 and will provide a drug-free workplace by taking the following actions:

- a. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations.
- b. Establish a Drug-Free Awareness Program to inform employees about:
 - 1) the dangers of drug abuse in the workplace;
 - 2) the person's or organization's policy of maintaining a drug-free workplace;
 - 3) any available counseling, rehabilitation and employee assistance programs; and,
 - 4) penalties that may be imposed upon employees for drug abuse violations.
- c. Every employee who works on the proposed Agreement will:
 - 1) receive a copy of the company's drug-free workplace policy statement; and,
 - 2) agree to abide by the terms of the company's statement as a condition of employment on the Agreement.

Failure to comply with these requirements may result in suspension of payments under the Agreement or termination of the Agreement or both and Contractor may be ineligible for award of any future State agreements if the department determines that any of the following has occurred: the Contractor has made false certification, or violated the certification by failing to carry out the requirements as noted above. (Gov. Code §8350 et seq.)

3. NATIONAL LABOR RELATIONS BOARD CERTIFICATION

Contractor certifies that no more than one (1) final unappealable finding of contempt of court by a Federal court has been issued against Contractor within the immediately preceding two-year period because of Contractor's failure to comply with an order of a Federal court, which orders Contractor to comply with an order of the National Labor Relations Board. (Pub. Contract Code §10296) (Not applicable to public entities.)

4. CONTRACTS FOR LEGAL SERVICES \$50,000 OR MORE- PRO BONO REQUIREMENT

Contractor hereby certifies that contractor will comply with the requirements of Section 6072 of the Business and Professions Code, effective January 1, 2003.

Contractor agrees to make a good faith effort to provide a minimum number of hours of pro bono legal services during each year of the contract equal to the lesser of 30 multiplied by the number of full time attorneys in the firm's offices in the State, with the number of hours prorated on an actual day basis for any contract period of less than a full year or 10% of its contract with the State.

Failure to make a good faith effort may be cause for non-renewal of a state contract for legal services, and may be taken into account when determining the award of future contracts with the State for legal services.

5. EXPATRIATE CORPORATIONS

Contractor hereby declares that it is not an expatriate corporation or subsidiary of an expatriate corporation within the meaning of Public Contract Code Section 10286 and 10286.1, and is eligible to contract with the State of California.

6. SWEATFREE CODE OF CONDUCT

a. All Contractors contracting for the procurement or laundering of apparel, garments or corresponding accessories, or the procurement of equipment, materials, or supplies, other than procurement related to a public works contract, declare under penalty of perjury that no apparel, garments or corresponding accessories, equipment, materials, or supplies furnished to the state pursuant to the contract have been laundered or produced in whole or in part by sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor, or with the benefit of sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor. The contractor further declares under penalty of perjury that they adhere to the Sweatfree Code of Conduct as set forth on the California Department of Industrial Relations website located at www.dir.ca.gov, and Public Contract Code Section 6108.

b. The contractor agrees to cooperate fully in providing reasonable access to the contractor's records, documents, agents or employees, or premises if reasonably required by authorized officials of the contracting agency, the Department of Industrial Relations, or the Department of Justice to determine the contractor's compliance with the requirements under paragraph (a).

7. DOMESTIC PARTNERS

For contracts over \$100,000 executed or amended after January 1, 2007, the contractor certifies that contractor is in compliance with Public Contract Code section 10295.3.

DOING BUSINESS WITH THE STATE OF CALIFORNIA

The following laws apply to persons or entities doing business with the State of California.

1. CONFLICT OF INTEREST

Contractor needs to be aware of the following provisions regarding current or former state employees. If Contractor has any questions on the status of any person rendering services or involved with the Agreement, the awarding agency must be contacted immediately for clarification.

Current State Employees (Pub. Contract Code §10410):

- 1). No officer or employee shall engage in any employment, activity or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any state agency, unless the employment, activity or enterprise is required as a condition of regular state employment.
- 2). No officer or employee shall contract on his or her own behalf as an independent contractor with any state agency to provide goods or services.

Former State Employees (Pub. Contract Code §10411):

- 1). For the two-year period from the date he or she left state employment, no former state officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements or any part of the decision-making process relevant to the contract while employed in any capacity by any state agency.
- 2). For the twelve-month period from the date he or she left state employment, no former state officer or employee may enter into a contract with any state agency if he or she was employed by that state agency in a policy-making position in the same general subject area as the proposed contract within the 12-month period prior to his or her leaving state service.

If Contractor violates any provisions of above paragraphs, such action by Contractor shall render this Agreement void. (Pub. Contract Code §10420)

Members of boards and commissions are exempt from this section if they do not receive payment other than payment of each meeting of the board or commission, payment for preparatory time and payment for per diem. (Pub. Contract Code §10430 (e))

2. LABOR CODE/WORKERS' COMPENSATION

Contractor needs to be aware of the provisions which require every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions, and Contractor affirms to comply with such provisions before commencing the performance of the work of this Agreement. (Labor Code Section 3700)

3. AMERICANS WITH DISABILITIES ACT

Contractor assures the State that it complies with the Americans with Disabilities Act (ADA) of 1990, which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA. (42 U.S.C. 12101 et seq.)

4. CONTRACTOR NAME CHANGE

An amendment is required to change the Contractor's name as listed on this Agreement. Upon receipt of legal documentation of the name change the State will process the amendment. Payment of invoices presented with a new name cannot be paid prior to approval of said amendment.

5. CORPORATE QUALIFICATIONS TO DO BUSINESS IN CALIFORNIA

a. When agreements are to be performed in the state by corporations, the contracting agencies will be verifying that the contractor is currently qualified to do business in California in order to ensure that all obligations due to the state are fulfilled.

b. "Doing business" is defined in R&TC Section 23101 as actively engaging in any transaction for the purpose of financial or pecuniary gain or profit. Although there are some statutory exceptions to taxation, rarely will a corporate contractor performing within the state not be subject to the franchise tax.

c. Both domestic and foreign corporations (those incorporated outside of California) must be in good standing in order to be qualified to do business in California. Agencies will determine whether a corporation is in good standing by calling the Office of the Secretary of State.

6. RESOLUTION

A county, city, district, or other local public body must provide the State with a copy of a resolution, order, motion, or ordinance of the local governing body which by law has authority to enter into an agreement, authorizing execution of the agreement.

7. AIR OR WATER POLLUTION VIOLATION

Under the State laws, the Contractor shall not be: (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to cease and desist order not subject to review issued pursuant to Section 13301 of the Water Code for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

8. PAYEE DATA RECORD FORM STD. 204

This form must be completed by all contractors that are not another state agency or other governmental entity.

EXHIBIT D - Agreement for Fleet Card Services

This exhibit identifies additional terms governing the Fleet Card services ("Fleet Card Program") provided by U.S. Bank National Association ("U.S. Bank") to Participating Agencies for the State of California, Department of General Services Fleet Card Program.

1. **PARTICIPATION.** Certain entities may participate in the State Fleet Card Program as defined in Exhibit A, Section 2.B (Eligible Participating Agencies).
2. **SCOPE OF FLEET CARD PROGRAM.** U.S. Bank issues charge cards and has established a transaction processing, reporting and payment system for purchases of motor fuels and other products and services by fleet vehicle operations. Participating Agency shall be responsible for selecting a personal identification number ("PIN"), a driver identification number ("Driver ID"), and/or a vehicle identification number ("Vehicle ID") pursuant to the Fleet Card Program. Unless U.S. Bank notifies Participating Agency to the contrary, or a Fleet Card has been terminated as provided herein, all Fleet Cards will expire upon the expiration or termination of the Participating Addendum.
3. **LIABILITY.**
 - A. Except as expressly provided to the contrary herein and Exhibit A, Section 2.C (Card Products and Liability), Participating Agency shall be liable for all purchases, fees, Finance Charges and other charges incurred or arising by virtue of the use of a Fleet Card.
 - B. Participating Agency shall immediately, upon receipt of such information, notify U.S. Bank by telephone at 1-800-987-6591 as to any lost or stolen Fleet Card, PINs, Driver IDs, or Vehicle IDs. Participating Agency shall also immediately notify U.S. Bank by telephone at 1-800-987-6591 to cancel a PINs, Driver IDs, or Vehicle IDs. After notification has been made to U.S. Bank to cancel such Fleet Card(s), use of such Fleet Card(s) is expressly prohibited. Participating Agency is liable for the unauthorized use of the Fleet Card until U.S. Bank receives notification of the lost or stolen Fleet Card or to cancel the PIN, Driver ID, or Vehicle ID. Participating Agency shall not be liable for any purchase, fees, finance charges or other charge incurred or arising by virtue of the use of a Fleet Card following receipt by U.S. Bank of notice of such loss, theft or request to cancel a PIN, Vehicle ID, or Driver ID. Participating Agency agrees to assist U.S. Bank in determining the facts, circumstances and other pertinent information related to any loss, theft or possible unauthorized use of the Fleet Card and to comply with such procedures as may be required by U.S. Bank in connection with U.S. Bank's investigation. U.S. Bank is not responsible for controlling the use of a Fleet Card, other than as specifically provided herein.
4. **BILLING PROCEDURE.** U.S. Bank will send to Participating Agency a monthly billing statement (the "Statement"), which will itemize all charges for the billing period. The amount shown on the Statement as "Total Payment Due" shall be due and payable in accordance with Exhibit A, Section 3.A (Payment Terms).
5. **DELINQUENCY.** The Fleet Card account will become delinquent unless U.S. Bank receives the amount shown on the Statement as Total Payment Due, less any disputed amounts, in accordance with Exhibit A, Section 3.A (Payment Terms). The Fleet Card account may be suspended if any part of the Total Payment Due is unpaid for sixty (60) days from the payment due date. If an account remains unpaid for more than one hundred fifty (150) days after the Statement due date, U.S. Bank will also "charge-off" the entire outstanding balance and deduct it from the quarterly rebate.
6. **DISPUTED BILLINGS.** Disputes regarding charges or billings hereunder shall be communicated by phone to U.S. Bank at 1-800-987-6591. Written notice is not required but may be submitted to U.S. Bank by email to fueldisputes@usbank.com. Whether by phone or in writing, communications should include Participating Agency's name and, if applicable, the Cardholder's name(s) and account number, the dollar amount of any dispute or suspected error and a description of the dispute or error. Any communication regarding a dispute or suspected error must be received by U.S. Bank within sixty (60) days after the date on the billing statement on which the disputed or incorrect charge first appeared. Disputed billings are categorized as, but not

necessarily limited to, failure to receive goods or services charged, fraud, forgery, altered charges and charges incurred by telephone order where the authenticity of the charge is in question.

7. TERMINATION

- A. Termination for Cause by U.S. Bank.** U.S. Bank has the right to send the Participating Agency a written notice specifying a default in the following sections and providing the Participating Agency an opportunity to cure the breach within a period of time no less than sixty (60) days ("Cure Period"). If the breach is not cured within the Cure Period, then U.S. Bank has the right to terminate any Fleet Card provided to a Participating Agency, or terminate the Participating Agency's Subscription Agreement in its entirety, by written notice to the Participating Agency.
- 1) Dissolution or liquidation of the Participating Agency;
 - 2) Insolvency of, the filing of a bankruptcy or insolvency proceeding with respect to, or the appointment of a receiver or trustee for the benefit of creditors of the Participating Agency, or the Participating Agency enters into any other similar proceeding or arrangement for the general benefit of its creditors;
 - 3) Material breach of any term or condition by Participating Agency.
 - 4) Any material adverse change in the financial condition of the Local Participating Agency.
- B. Effect of Termination.** Upon termination of the Participating Agency's Subscription Agreement for any reason, Participating Agency shall destroy all Fleet Cards. Participating Agency shall remain liable for all purchases, fees, Finance Charges and other charges incurred or arising by virtue of the use of a Fleet Card prior to the termination date.
- C. Surviving Rights.** Rights, obligations and/or liabilities that arise prior to the termination of the Participating Addendum or the Participating Agency's Subscription Agreement shall survive any such termination.

8. SECURITY AND CONFIDENTIALITY

- A. Security.** U.S. Bank and the Participating Agency shall safeguard information regarding Cards, Account numbers, passwords, personal identification numbers, and other sensitive information provided by U.S. Bank in a manner that is no less stringent than those applicable to each Party's own proprietary information. Each Party will utilize each Party's respective industry standards to maintain an appropriate information security program to prevent the unauthorized disclosure, misuse, alteration, or destruction of Confidential Information.
- B. Confidentiality.** The U.S. Bank and the Participating Agency agree to the following provisions regarding the use and disclosure of Confidential Information:
- 1) **Confidential Information.** For purposes of this Agreement, "Confidential Information" means information supplied by one Party ("Disclosing Party") to the other Party ("Recipient") that is expressly protected from unrestricted use by persons not associated with Disclosing Party.
 - a. **U.S. Bank Confidential Information.** U.S. Bank and Participating Agency agree that the Fleet Card Program is a unique service involving the exchange of proprietary and/or Confidential Information between the Parties. Participating Agency agrees that Fleet Card Program reports, manuals, documentation, and related materials shall be circulated by it only to the extent necessary for Participating Agency to manage the Fleet Card Program and/or use such information in connection with Participating Agency's business. Notwithstanding the foregoing, such records may be subject to disclosure in accordance with the State of California or Participating Agency public records laws. Additionally, DGS may post certain materials on the DGS public website to the extent necessary to manage the Fleet Card program.
 - b. **Participating Agency Confidential Information.** U.S. Bank and Participating Agency agree that any non-public financial information of Participating Agency and any non-public data regarding Participating Agency Accounts, Transactions, charges, spending volume or repayment terms is

Confidential Information of Participating Agency and such information shall be circulated by U.S. Bank only to the extent necessary for U.S. Bank to offer the Fleet Card Program.

- 2) **Restriction.** Participating Agency and U.S. Bank agree to take all reasonable steps to safeguard the other Party's proprietary and Confidential Information and not to release such information to any person or Party not essential to participation in the Fleet Card Program.
- 3) **Care.** The Recipient shall provide the same care to avoid an unauthorized disclosure, misuse, alteration or destruction of Confidential Information of the Disclosing Party as it provides to protect its own similar proprietary information, but in no event, less than a reasonable standard of care.

9. WARRANTIES.

A. The Parties agree that the following warranties will be inserted into the State Agency Subscription Agreement and that failure of any of the below representations and warranties to be true during the term of the State Agency Subscription Agreement will constitute a material breach.

- 1) The Subscription Agreement constitutes a valid, binding, and enforceable agreement;
- 2) The transaction contemplated by the Subscription Agreement is within the scope of the normal course of business and has received any required further authorization for the State Agency to be duly bound by this Subscription Agreement;
- 3) The execution of the Subscription Agreement and the performance of its obligations under the Subscription Agreement are within the State Agency's powers; have been authorized by all necessary action; and do not constitute a breach of any agreement of the State Agency with any party;
- 4) The State Agency has and continues to comply with all applicable state and federal statutes, ordinances, rules, regulations, and requirements of governmental authorities as they related to the use of the Fleet Card and/or participation in the Fleet Card Program;
- 5) The execution of this Subscription Agreement and the performance of its obligations under this Subscription Agreement will not cause a breach of it arising in law or equity; and
- 6) At the time of execution of this Subscription Agreement the State Agency possesses the financial capacity to perform all of its obligations under the Subscription Agreement.

B. The Parties agree that the following warranties will be inserted into the Local Agency Subscription Agreement and that failure of any of the below representations and warranties to be true during the term of its Local Agency Subscription Agreement will constitute a material breach.

- 1) The Local Agency warrants that the financial information and all other information provided to U.S. Bank or its officers, employees, agents, successors, and assigns is true, complete, and accurate;
- 2) This Local Agency Subscription Agreement constitutes a valid, binding, and enforceable agreement;
- 3) The transaction contemplated by the Local Agency Subscription Agreement is within the scope of the normal course of business and has received any required further authorization for Local Agency to be duly bound by the Local Agency Subscription Agreement;
- 4) The execution of the Local Agency Subscription Agreement and the performance of its obligations under the Local Agency Subscription Agreement are within Local Agency's powers, have been authorized by all necessary action, and do not constitute a breach of any agreement by Local Agency with any party;
- 5) The Local Agency has and continues to comply with all applicable state and federal statutes,

ordinances, rules, regulations, and requirements of governmental authorities as they relate to the use of the Fleet Card and/or participation in the Fleet Card Program;

- 6) The execution of this Local Agency Subscription Agreement and the performance of its obligations under this Local Agency Subscription Agreement will not cause a breach by Local Agency of any duty arising in law or equity; and
 - 7) At the time of execution of the Local Agency Subscription Agreement, Local Agency possesses the financial capacity to perform all of its obligations under the Local Agency Subscription Agreement.
- C. U.S. Bank agrees that the failure of any of the below representations and warranties to be true during the term of this Participating Addendum shall constitute a material breach of this Participating Addendum and/or any corresponding Participating Agency Subscription Agreement. U.S. Bank warrants that:
- 2) This Participating Addendum constitutes a valid, binding and enforceable agreement of U.S. Bank;
 - 3) The execution of this Participating Addendum and the performance of its obligations under this Participating Addendum are within U.S. Bank's powers, have been authorized by all necessary action, do not require action by or approval of any governmental or regulatory body agency, or official; and do not constitute a breach of any agreement by U.S. Bank with any party;
 - 4) U.S. Bank has and continues to comply with all applicable state and federal statutes, ordinances, rules, regulations, and requirements of governmental authorities as they relate to the Participating Addendum;
 - 5) The execution of this Participating Addendum and the performance of U.S. Bank's obligations under this Participating Addendum will not cause a breach by it of any duty arising in law or equity; and
 - 6) U.S. Bank possesses the financial capacity to perform all of its obligations under this Participating Addendum.

10. CREDIT PROVISIONS

- A. **Financial Information.** The establishment of a Fleet Card Program provides an extension of credit, and the State and each participating local governmental agency shall provide sufficient information to enable U.S. Bank to perform periodic credit reviews.
- 1) **State Agencies.** The State of California will be credit qualified as a single entity upon execution of the Participating Addendum. Individual state agencies will not be required to credit qualify on their own.
 - 2) **Local Governmental Agencies.** Each local governmental agency must individually credit qualify and submit a signed, properly completed Local Agency Subscription Agreement to U.S. Bank.
 - 3) **Financial Information for State and Local Governmental Agencies.** To become credit qualified, the State and each local governmental agency will provide the last three (3) years of audited financial statements to U.S. Bank prior to the issuance of any cards. U.S. Bank shall have the right to require the State or any local governmental agency to provide annual financial statements on or before one hundred eighty (180) days after the end of the fiscal year. The local governmental agency should provide this first set of financial statements with their signed, completed Local Agency Subscription Agreement. U.S. Bank will review the financial statements and provide notice to each local governmental agency of the approval or decline of their credit qualification. If satisfactory financial information can be found on a website, U.S. Bank will not require the State or local governmental agency to provide financial information that U.S. Bank can obtain on its own.

11. AGGREGATE PRODUCT CREDIT LIMIT AND ACCOUNT CREDIT LIMITS. Subject to credit approval by U.S. Bank, an account credit limit (an "ACL") for each Account and an aggregate product credit limit (the "PCL") for all Accounts shall be established by U.S. Bank pursuant to this Participating Addendum.

A. Revising the PCL. U.S. Bank, at its sole discretion, shall have the right to revise the PCL. U.S. Bank shall provide notice to Participating Agency of any decrease in the PCL. In the event a decrease in the PCL results in a revised PCL that is lower than the aggregate current amount outstanding on all Accounts, Participating Agency shall have 30 days to make a payment to U.S. Bank that is sufficient to reduce the aggregate current amount outstanding to an amount that is equal to or less than the revised PCL.

B. Revising ACLs. U.S. Bank, at its sole discretion, shall have the right to revise any ACL.

1) Participating Agency Accounts. U.S. Bank shall provide notice to Participating Agency of any decrease in an ACL. In the event a decrease in the ACL results in a revised ACL that is lower than the aggregate current amount outstanding on the Account, Participating Agency shall have 30 days to make a payment to U.S. Bank on the Account that is sufficient to reduce the aggregate current amount outstanding for such Account to an amount that is equal to or less than the revised ACL.

2) Fraudulent Activity. U.S. Bank may revise any ACL and/or limit spending activity on any Account for which fraudulent activity is suspected.

12. REGISTERED MARKS AND TRADEMARKS. DGS, Participating Agency and U.S. Bank each recognize that they have no right, title or interest, proprietary or otherwise, in or to the name or any logo, copyright, service mark or trademark owned or licensed by the other Party. DGS, Participating Agency and U.S. Bank each agree that, without prior written consent of the other Party, they will not use the name or any name, logo, copyright, service mark or trademark owned or licensed by the other Party.

13. MISCELLANEOUS.

A. Non-Waiver. No failure on the part of U.S. Bank or Participating Agency to exercise, and no delay in exercising any right under this Agreement shall operate as a waiver thereof, nor shall any single or partial exercise of any right under this Fleet Card Agreement preclude any other or further exercise thereof or the exercise of any other right.

B. Severability. Should any provision of this Agreement be declared invalid for any reason, such decision shall not affect the validity of any other provisions, which other provisions shall remain in force and effect as if this Agreement had been executed with the invalid provision(s) eliminated. The State and U.S. Bank shall use their best efforts to agree upon a valid substitute provision in accordance with the purpose of this Agreement and the intent of the Parties.

C. USA PATRIOT Act. In order to comply with the requirements of the USA PATRIOT Act, U.S. Bank requires Participating Agency to provide its legal entity name, street address, taxpayer identification number and other information that will allow U.S. Bank to identify Participating Agency prior to establishing an account for such entity. U.S. Bank reserves the right to require that Participating Agency promptly provide to U.S. Bank sufficient identification documents upon request in connection with USA PATRIOT Act compliance.

D. Headings. The headings of the sections of this exhibit are intended for the convenience of reference only and shall in no way be held to explain, modify, amplify or aid in the interpretation of the provisions hereof.

E. Fees. U.S. Bank may only assess fees to Participating Agency as provided in Exhibit E, Section 5 (Card Fees).

EXHIBIT E – Incentives and Fees

1. INTRODUCTION

This exhibit identifies the incentive share (rebates) and fees applicable under this Participating Addendum. All incentive share components and fees shall be firm fixed for the Participating Addendum term including any optional extension periods.

2. COMMENCEMENT OF THE NEW REVENUE SHARE OPPORTUNITY

The first revenue share payment pursuant to this Participating Addendum, if any is earned, shall be made within 60 days after the end of the first Agreement Quarter. The first Agreement Quarter is defined as the first full Calendar Quarter which consists of the three month calendar period beginning in January, April, July or October following the Effective Date of the Participating Addendum.

3. INCENTIVE SHARE (REBATES)

The Contractor will provide a Volume Sales Incentive and Prompt Payment Incentive (Incentive Share Components #1-2) to the State on a quarterly (3 calendar month) basis. The Contractor will provide an Annual Volume Sales Incentive (Incentive Share Component #3) to the State on an annual (calendar year) basis. Incentives will be paid to the State per Exhibit E, Section 4 (Incentive Share Payment Schedule and Terms).

A. Incentive Share Component #1 – Volume Sales Incentive

The Volume Sales Incentive is based on the total volume sales for each individual Participating Agency for each quarter (3 calendar months).

The following formula will be used to determine the Volume Sales Incentive for each Participating Agency:

Volume Sales Incentive Calculation			
Quarterly Volume Sales (for individual participating agency)	x	.0130 (130 bps)	= Participating Agency Quarterly Volume Sales Incentive

The total quarterly Volume Sales Incentive #1 for all Participating Agencies will be paid to the State per Exhibit E, Section 4 (Incentive Share Payment Schedule and Terms).

B. Incentive Share Component #2 – Prompt Payment Incentive

The Prompt Payment Incentive calculation is designed to provide an incentive to the State, when Client Held Days is less than forty-five (45) days for each Participating Agency. Client Held Days cannot be less than zero (0). Client Held Days means the sum of the daily balances for the quarter divided by the total Net Charge Volume for the quarter less 15 days. The Prompt Payment Incentive is based solely on the Client Held Days Payment Performance for each Participating Agency for each quarter (3 calendar months).

The following formula will be used to determine the Prompt Payment Incentive for each Participating Agency:

Prompt Payment Incentive Calculation				
$\frac{(45 - \text{Client Held Days})}{45}$	x	.0045 (45 bps)	x Quarterly Volume Sales (for individual participating agency)	= Participating Agency Quarterly Prompt Payment Incentive

The total quarterly Prompt Payment Incentive #2 for all Participating Agencies will be paid to the State per Exhibit E, Section 4 (Incentive Share Payment Schedule and Terms).

C. Incentive Share Component #3 - Annual Volume Sales Incentive

An Annual Volume Sales Incentive will be given to the State. The Annual Volume Sales Incentive is based on a tier rate (determined from the combined annual sales volume for all WSCA-NASPO Participating States) applied to the State's annual sales volume.

The following formula will be used to determine the Annual Volume Sales Incentive for the State:

Annual Volume Sales Incentive Calculation			
State Annual Sales Volume (all Participating Agencies)		x Applicable tier rate	= State Annual Sales Volume Incentive
Tier	Annual Overall WSCA-NASPO Participating States' Volume	Tier Rate	
1	\$50,000,000 - \$100,000,000	.0040 (40 bps)	
2	\$100,000,001 - \$300,000,000	.0041 (41 bps)	
3	\$300,000,001 - \$500,000,000	.0043 (43 bps)	
4	\$500,000,001 +	.0045 (45 bps)	

4. INCENTIVE SHARE PAYMENT SCHEDULE AND TERMS

A. Incentive Share Components #1-2

- 1) Incentive Share Components #1-2 (Volume Sales Incentive and Prompt Payment Incentive for all Participating Agencies) will be paid quarterly to the Department of General Services, Office of Fleet and Asset Management (DGS-OFAM) within 60 days following the last day of each calendar quarter.
- 2) Incentive Share Components #1-2 will be paid via Automatic Clearing House (hereinafter "ACH") to the DGS-OFAM, unless the DGS-OFAM requires another form of payment.
- 3) If the combined Incentive Share Components #1-2 is less than \$75.00 per calendar quarter, the State will forfeit its incentive share for that quarter.
- 4) In the event that a Participating Agency's subscription agreement is terminated prior to the completion of any quarter (3 calendar months), Incentive Share Components #1-2 shall include any incentive share earned prior to the termination date.
- 5) Payment made for Incentive Share Components #1-2 will be net of accumulated Charge-offs. "Charge-off" means the entire amount due and owing to the Contractor by the Participating Agency that remains outstanding on an Account that was left unpaid for one hundred fifty (150) days after the Statement due date.
- 6) Any Charge-offs in excess of the net Incentive Share Components #1-2 from one (1) calendar quarter will be subtracted from one (1) or more of the following calendar quarters.

B. Incentive Share Component #3

Incentive Share Component #3 will be paid annually to the DGS-OFAM within 60 days following the last day of the calendar year. Incentive Share Component #3 will be paid via ACH to the DGS-OFAM, unless the DGS-OFAM requires another form of payment.

In the event that the Participating Addendum is terminated prior to the completion of any calendar year, payment for Incentive Share Component #3 shall be made to the DGS-OFAM within 60 days following the last day of the calendar year for annual volume sales which occurred prior to the Participating Addendum termination date.

5. CARD FEES

Applicable fleet card fees include:

	Fees Applicable to Fleet Card	Charge
1.	Account Set Up – one-time fee	\$0.00
2.	Fleet Card Fees – monthly fee dependent on number of cards <ul style="list-style-type: none">• 7-25 cards• 26-100 cars• 101-200 cards	\$0.00 \$0.00 \$0.00
3.	Invoice, including statement, payments, adjustments and taxes	\$0.00
4.	Driver Report	\$0.00
5.	Exception Report	\$0.00
6.	Service Station Activity Report	\$0.00
7.	Product Purchase Summary	\$0.00
8.	Fleet Commander Online web access by user	\$0.00
9.	Card delivery charge when overnight delivery service used	\$20.00
10.	Expense Summary by Business Unit	\$0.00
11.	Logo Embossing Fee; a two-week delay may occur with Card issuance and implementation.	\$0.00

EXHIBIT F – Glossary of Terms

1. INTRODUCTION

Terms used throughout this Participating Addendum are defined below. Additional terms may be defined within individual exhibits.

2. DEFINITIONS

Term	Definition
Account	Any account number assigned to a Participating Agency to which charges and payments may be posted.
Agency Fleet Card Coordinator	An individual designated by the Participating Agency to serve as the primary point of contact between Participating Agency and U.S. Bank responsible for the Participating Agency's Fleet Card program management and oversight.
Billing Cycle	The period of time from which a Statement is generated until the next Statement is generated.
Charge	Any transaction posted to an Account that has a debit value.
Charge-off	The entire amount due and owing to the Contractor by the Participating Agency that remains outstanding on an Account that was left unpaid for one hundred fifty (150) days after the Statement due date.
Client Held Days	"Client Held Days" means the sum of the daily balances for the calendar quarter divided by the total Net Charge Volume for the calendar quarter less fifteen (15) days and cannot be less than zero (0) days.
Client Held Days Payment Performance	The average speed of repayment of Charges made for each calendar quarter.
Fleet Commander®	Contractor's system for fleet card program management and reporting.
Fraudulent Charges	Charges which are not initiated, authorized, or otherwise requested by Participating Agency and/or a Cardholder by any means (electronic, telephonic or written) and do not directly or indirectly benefit Participating Agency and/or a Cardholder.
Incentive Share	Actual monies paid to the State based on volume and speed of pay.
Local Governmental Agency	Pursuant to Public Contract Code §10298 and for purposes of this Participating Addendum, a "local government agency" is any city, county, district, or other local governmental body or corporation empowered to expend public funds for the acquisition of goods, information technology, or services. Further, for purposes of this Participating Addendum, reference to local government agencies will also include the California State Universities (CSU) and University of California (UC) systems.
Net Charge Volume	All charges set forth on the Statements furnished for all Accounts, less fees, Fraudulent Charges, chargebacks, and amounts Charged-off by U.S. Bank with respect to such Accounts as uncollectible for each calendar quarter.
Participating Agency	A state agency or local governmental agency that has executed a properly completed Subscription Agreement and/or Local Agency Subscription Agreement and received required credit approval from the Contractor for participation in the State's Fleet Card Program under the Participating

Term	Definition
	Addendum.
Quarterly Volume Sales	All Charges set forth on the Billing Statements furnished for all Accounts, less Fees, Fraudulent Charges, chargebacks, and amounts Charged-off by Contractor with respect to such accounts as uncollectible for each calendar quarter.
State Agency	A State of California government agency, department, bureau, board, or commission.
State Contract Administrator	Individual designated by the Department of General Services as the single point of contact for the Participating Addendum contractual issues.
State Fleet Program Manager	An individual designated by the Department of General Services, Office of Fleet and Asset Management (DGS-OFAM) to serve as the primary point of contact between DGS-OFAM and U.S. Bank responsible for managing day-to-day operation of the State's Fleet Card Program.
Subscription Agreement	Supplement to the Participating Addendum, executed by qualified agencies, agreeing to all terms and conditions of the Participating Addendum.

Exhibit E – Incentives and Fees

1. INTRODUCTION

This exhibit identifies the incentive share (rebates) and fees applicable under this Participating Addendum. All incentive share components and fees shall be firm fixed for the Participating Addendum term including any optional extension periods.

2. COMMENCEMENT OF THE NEW REBATE OPPORTUNITY

The first rebate payment pursuant to this Participating Addendum, if any is earned, will be made within 60 days after the end of the first Agreement Quarter. The first Agreement Quarter is defined as the first full Calendar Quarter which consists of the three-month calendar period beginning in January, April, July or October following the Effective Date of the Participating Addendum.

3. INCENTIVE SHARE (REBATES)

The Contractor will provide a Fleet Standard Volume Sales Incentive, U.S. Bank Voyager Maintenance Solution® Volume Sales Incentive and Prompt Payment Incentive (Incentive Share Components #1-3) to the State on a quarterly basis. The Contractor will provide an Annual Volume Sales Incentive (Incentive Share Component #4) to the State on an annual (calendar year) basis. Incentives will be paid to the State per Exhibit E, Section 4 (Incentive Share Payment Schedule and Terms).

A. Incentive Share Component #1 – Fleet Standard Volume Sales Incentive

The Fleet Standard Volume Sales Incentive is based on the total volume sales for each individual Participating Agency for each quarter. The following formula will be used to determine the Fleet Standard Volume Sales Incentive for each Participating Agency:

Fleet Standard Volume Sales Incentive Calculation			
Quarterly Volume Sales – Quarterly U.S. Bank Voyager Maintenance Solution® Volume (for individual participating agency)	x	.0124 (124 bps)	= Participating Agency Quarterly Fleet Standard Volume Sales Incentive

The total quarterly Incentive Share Component #1 for all Participating Agencies will be paid to the State per Exhibit E, Section 4.

B. Incentive Share Component #2 – U.S. Bank Voyager Maintenance Solution® Volume Sales Incentive

The U.S. Bank Voyager Maintenance Solution Volume Sales Incentive is based on the total U.S. Bank Voyager Maintenance Solution® Volume for each individual Participating Agency for each quarter. The following formula will be used to determine the U.S. Bank Voyager Maintenance Solution® Volume Incentive for each Participating Agency:

U.S. Bank Voyager Maintenance Solution Volume Sales Incentive Calculation			
Quarterly U.S. Bank Voyager Maintenance Solution® Volume (for individual participating agency)	x	.0300 (300 bps)	= Participating Agency Quarterly U.S. Bank Voyager Maintenance Solution® Volume Sales Incentive

The total quarterly Incentive Share Component #2 for all Participating Agencies will be paid to the State per Exhibit E, Section 4.

C. Incentive Share Component #3 – Prompt Payment Incentive

The Prompt Payment Incentive calculation is designed to provide an incentive to the State, when Client Held Days is less than forty-five days for each Participating Agency. Client Held Days cannot be less than zero. "Client Held Days" means the sum of the daily balances for the quarter divided by the total Net Charge Volume for the quarter, less fifteen days. The Prompt Payment Incentive is based solely on the Client Held Days Payment Performance for each Participating Agency for each quarter. The following formula will be used to determine the Prompt Payment Incentive for each Participating Agency:

Prompt Payment Incentive Calculation				
$\frac{(45 - \text{Client Held Days})}{45}$	x	.0045 (45 bps)	x	Quarterly Volume Sales (for individual participating agency) = Participating Agency Quarterly Prompt Payment Incentive

The total quarterly Incentive Share Component #3 for all Participating Agencies will be paid to State per Exhibit E, Section 4.

D. Incentive Share Component #4 – NASPO ValuePoint Annual Volume Sales Incentive

A NASPO ValuePoint Annual Volume Sales Incentive will be given to the State. The NASPO ValuePoint Annual Volume Sales Incentive is based on a tier rate (determined from the combined annual sales volume minus Annual U.S. Bank Voyager Maintenance Solution® Volume for all NASPO ValuePoint Participating States) applied to the State's annual sales volume. The following formula will be used to determine the Annual Volume Sales Incentive for the State:

NASPO ValuePoint Annual Volume Sales Incentive Calculation				
State Annual Volume Sales – Annual U.S. Bank Voyager Maintenance Solution® Volume (all Participating Agencies)		x	Applicable tier rate	= State Annual Volume Sales Incentive
Tier	Annual Overall NASPO ValuePoint Participating States' Volume	Tier Rate		
1	\$50,000,000 - \$100,000,000	.0037 (37 bps)		
2	\$100,000,001 - \$300,000,000	.0038 (38 bps)		
3	\$300,000,001 - \$500,000,000	.0040 (40 bps)		
4	\$500,000,001 +	.0042 (42 bps)		

4. INCENTIVE SHARE PAYMENT SCHEDULE AND TERMS

A. Incentive Share Components #1-3

- 1) Incentive Share Components #1-3 will be paid quarterly to the Department of General Services, Office of Fleet and Asset Management ("DGS-OFAM") within 60 days following the last day of each calendar quarter.
- 2) Incentive Share Components #1-3 will be paid via Automatic Clearing House (hereinafter "ACH") to DGS-OFAM, unless DGS-OFAM requires another form of payment.
- 3) If the combined Incentive Share Components #1-3 is less than \$75.00 per calendar quarter, the State will forfeit its incentive share for that quarter.
- 4) If a Participating Agency's subscription agreement is terminated prior to the completion of any

quarter, Incentive Share Components #1-3 will include any incentive share earned prior to the termination date.

- 5) Payment made for Incentive Share Components #1-3 will be net of accumulated Charge-offs. "Charge-off" means the entire amount due and owing to the Contractor by the Participating Agency that remains outstanding on an Account that was left unpaid for 150 days after the Statement due date.
- 6) Any Charge-off in excess of the net Incentive Share Components #1-3 from one calendar quarter will be subtracted from one or more of the following calendar quarters.

B. Incentive Share Component #4

- 1) Incentive Share Component #4 will be paid annually to the DGS-OFAM within 60 days following the last day of the calendar year. Incentive Share Component #4 will be paid via ACH to DGS-OFAM, unless DGS-OFAM requires another form of payment.
- 2) In the event that the Participating Addendum is terminated prior to the completion of any calendar year, payment for Incentive Share Component #4 will be made to the DGS-OFAM within 60 days following the last day of the calendar year for annual volume sales which occurred prior to the Participating Addendum termination date.

5. CARD FEES

Applicable fleet card fees include:

	Fees Applicable to Fleet Card	Charge
1.	Account Set Up – one-time fee	\$0.00
2.	Fleet Card Fees – monthly fee dependent on number of cards <ul style="list-style-type: none"> • 7-25 cards • 26-100 cards • 101-200 cards 	\$0.00 \$0.00 \$0.00
3.	Invoice, including statement, payments, adjustments and taxes	\$0.00
4.	Driver Report	\$0.00
5.	Exception Report	\$0.00
6.	Service Station Activity Report	\$0.00
7.	Product Purchase Summary	\$0.00
8.	Fleet Commander Online web access by user	\$0.00
9.	Card delivery charge when overnight delivery service used	\$20.00
10.	Expense Summary by Business Unit	\$0.00
11.	Logo Embossing Fee; a two-week delay may occur with Card issuance and implementation.	\$0.00
12.	U.S. Bank Voyager Maintenance Solution (including enrollment, implementation and transaction fees)	\$0.00



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3C
Consent Calendar

Award of RFP #JA2304 Purchase of Three Type 3 Engines

Contact(s) for Further Information

Jim Ruane, Assistant Chief
Logistics Department

jimruane@ocfa.org

714.573.6304

Rick Oborny, Fleet Services Manager

rickoborny@ocfa.org

714.573.6651

Summary

This agenda item is submitted for the approval to purchase three Type 3 Engines from KME Fire Apparatus, the number one ranked firm in the Request for Proposal process.

Prior Board/Committee Action(s)

Not Applicable.

RECOMMENDED ACTION(S)

Approve and authorize the Purchasing Manager to issue a purchase order to KME Fire Apparatus for the purchase of three 2019 KME Type 3 Engines in a total amount of \$1,623,695.57.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for the purchase of three Type 3 Engines is included in the FY 2018/19 Fund 133 Fire Apparatus.

Background

Three (3) Type 3 Engines have been requested to be added to OCFA's current fleet of Type 3 Engines. The addition of these engines will be used to complete our Type 3 fleet to 3 strike teams, while also providing adequate relief for the current fleet. OCFA's Type 3 Engines are 4x4 vehicles capable of accessing remote areas of the county, both on and off road, while providing firefighting capabilities within the wildland urban interface. The new engines will be equipped with a 500 GPM rated pump capable of delivering 500 gallons of water and can produce foam on-scene of a fire, while carrying the necessary tools required to operate in the given conditions. These vehicles will be similar to the current fleet of 13 Type 3 apparatus and will incorporate many of the safety and clean cab concepts that are being advocated by the departments Firefighters Attacking the Cancer Epidemic (FACE) Committee.

Request for Proposal (RFP) Process

On August 16, 2018, RFP JA2304 was issued requesting proposals for the purchase of three Type 3 Engines. A non-mandatory pre-proposal meeting was held on August 30, 2018, and representatives from five companies attended. Final proposals were due on October 16, 2018, and four proposals were received, one proposal was deemed non-responsive due to being submitted incomplete. Three proposals were evaluated based on the criteria and point structure as defined in the RFP: statement of qualifications (15 pts), references (5 pts), ability to meet the specifications (40 pts), overall

responsiveness (5 pts), and proposed costs (35 pts). Following the paper proposal evaluations, the evaluation committee conducted in-person interviews with representatives from the two highest ranked firms, KME and Rosenbauer. Upon completion of the interviews, KME's proposal was ranked number one overall. Additional information on the evaluation scoring is provided in Attachment 1.

Recommendation

Based on the results of the RFP, staff is recommending the award of this contract to KME Fire Apparatus for the purchase of three 2019 KME Type 3 Engines in an amount of \$1,623,695.57.

Attachment(s)

1. Evaluation Scoring Summary
2. Proposal from KME Fire Apparatus (on file in the Office of the Clerk and available upon request)

**JA2304 – Purchase of Three Type 3 Engines
Summary of Evaluation Scores and Pricing**

Evaluation

An evaluation team consisting of one Fleet Services staff member and two Apparatus Committee action officers, evaluated the three responsive proposals received. Proposals were evaluated based on the criteria and point structure as defined in the RFP: statement of qualifications (15), references (5), ability to meet the specifications (40), overall responsiveness (5), and proposed costs (35). Following the paper proposal evaluations, the evaluation committee conducted in-person interviews with representatives from the two highest ranked firms, KME and Rosenbauer. Upon completion of the interviews, KME's proposal was ranked number one overall. Final evaluation scores, are shown in the table below:

Evaluation Scoring Summary	KME Fire Apparatus			Rosenbauer			Atira GST		
Proposal Pricing	\$1,629,095.57			\$1,576,109.24			\$1,134,067.65		
Evaluator #	1	2	3	1	2	3	1	2	3
A. Statement of Qualifications (15)	13.50	15.00	12.00	13.50	12.00	9.00	9.00	7.50	10.50
B. References (5)	5.00	5.00	4.50	4.00	3.50	4.00	3.00	2.00	0.00
C. Ability to meet the specifications (40)	36.00	40.00	32.00	28.00	32.00	32.00	24.00	20.00	20.00
D. Overall Responsiveness (5)	4.00	5.00	4.00	4.00	4.00	3.50	3.50	3.50	2.00
E. Proposed Costs (35)	24.36	24.36	24.36	25.18	25.18	25.18	35.00	35.00	35.00
F. Interview (25)	22.50	25.00	22.50	20.00	17.50	20.00	n/a	n/a	n/a
Total Points (max 125)	105.36	114.36	99.36	94.68	94.18	93.68	74.50	68.00	67.50
Proposal Ranking	1	1	1	2	2	2	3	3	3
Sum of Proposal Rankings	3			6			9		

**JA2304 – Purchase of Three Type 3 Engines
Summary of Evaluation Scores and Pricing**

Proposal Pricing			KME		Rosenbauer		Atira GST	
Description	Qty	U/M	Unit Price	Ext. Total	Unit Price	Ext. Total	Unit Price	Ext. Total
Type 3 Engine Per Spec No. 18-03-03	3	Each	\$497,282.00	\$1,491,846.00	\$476,458.00	\$1,429,374.00	\$348,520.00	\$1,045,560.00
Sales Tax (7.75%)				\$115,618.07		\$110,776.49		\$81,030.90
Pre-Inspection Trip cost per person	4	Each	\$1,800.00	\$7,200.00	\$2,000.00	\$8,000.00	\$620.00	\$2,480.00
Mid-Inspection Trip cost per person	4	Each	\$1,800.00	\$7,200.00	\$2,000.00	\$8,000.00	\$620.00	\$2,480.00
Final Inspection Trip cost per person	4	Each	\$1,800.00	\$7,200.00	\$2,000.00	\$8,000.00	\$620.00	\$2,480.00
Tire Fee per Vehicle	3	Each	\$10.50	\$31.50	\$12.25	\$36.75	\$12.25	\$36.75
Exact Transportation Charges, if any	3	Each	-	-	\$3,974.00	\$11,922.00	-	-
Total				\$1,629,095.57		\$1,576,109.24		\$1,134,067.65

Type 3 Wildland Engine (JA2304), bidding on October 16, 2018 11:00 AM (Pacific)

Printed 10/17/2018

Bid Results**Bidder Details**

Vendor Name KME Fire Apparatus/REV Fire Group
Address 4725 Troy Ct.
One Industrial Complex Nesquehoning, PA 18240 -
Corp. Office
Jurupa Valley, CA 92509
Responsee United States
b. gomez
Responsee Title Sales Representative
Phone 909-917-4339 Ext.
Email bgomez@kmeffire.com
Vendor Type

Bid Detail

Bid Format Electronic
Submitted October 16, 2018 10:51:57 AM (Pacific)
Delivery Method electronic 10:39
Bid Responsive
Bid Status Submitted
Confirmation # 156441
Ranking 0
Amount \$0.00

Responsee Comment**Buyer Comment****Attachments**

File Title	File Name	File Type
KME Price page	KME Price page.pdf	Cost File
Type 3 Engine Vehicle Specification WITH JA2304-RFP Solicitation MARKED.pdf	Type 3 Engine Vehicle Specification WITH COMPLIES.xlsx JA2304-RFP Solicitation MARKED.pdf	Response File RFP Required Response Forms
ORANGE COUNTY FA	ORANGE COUNTY FA Type 3 Proposal Drawing 20181011.pdf	General Attachment
compartment volume	compartment volume - OCFA - v2.pdf	General Attachment

SECTION VII: PROPOSAL REQUIREMENTS

To achieve a uniform review process and obtain the maximum degree of comparability, it is required that the proposals be organized in the manner specified below. All Offerors are expected to provide detailed answers to the following points. The answers provided will be relevant in the evaluation process of the proposal. Additional information, if provided, should be separately identified in the proposal.

Proposal Response Format:

Offerors shall submit a written proposal that presents the Offeror's qualifications and understanding of the services to be provided and the work to be performed. Offerors are asked to address each evaluation criterion and to be specific in presenting their qualifications. Your proposal should provide all the information considered pertinent to your qualifications for this project. Proposals shall include, at a minimum, the following:

1. **Letter of Transmittal:** Exhibit A
2. **Statement of Qualifications:** Exhibit B
3. **References:** Exhibit C
4. **Response to Vehicle Spec # 18-03-03 Type 3 Engine:** Exhibit D
5. **Pricing Page:** Exhibit E
6. **Party Participant and Agent Disclosure Forms:** Exhibit F
7. **W-9:** Exhibit G
8. **Offeror's information:** Exhibit H
9. **Certification of Proposal:** Exhibit I

EXHIBIT A: LETTER OF TRANSMITTAL

Letter of Transmittal: The Letter of Transmittal shall be addressed to James Aguila, Assistant Purchasing Agent, OCFA Purchasing Department, and should, at a minimum, contain the following:

- a. Proposer Contact Information: Name, title, telephone, and email of the personnel responsible for the primary communication with the OCFA regarding Proposer's proposal.
- b. An executive summary of the Proposer's understanding of the objectives outlined in the scope of work with a commitment to provide the equipment in accordance with its proposal and the terms and conditions of any contract, which may be awarded pursuant to this RFP.
- c. A statement to the effect that the proposal shall remain valid for not less than one hundred and eighty (180) days from the date proposals are due.

The Letter of Transmittal should be provided on the firm's letterhead and should be signed by the Prime Consultant or in the case of a joint venture or other joint-prime relationship; an officer of each venture partner shall sign on behalf of the proposing firm. Letter must be signed by an individual authorized to bind the Offeror.



EXHIBIT A – LETTER OF TRANSMITTAL

October 12, 2018

James Aguila – Asst. Purchasing Agent, OCFA Purchasing Department
1 Fire Authority Way
Irvine, CA

Dear Mr. Aguila,

On behalf of KME Fire Apparatus, I am pleased to submit this proposal per the OCFA RFP JA-2304 Type 3 Engines. KME is committed to meeting and in some areas even exceeding the specifications for this apparatus. KME understands the terms and conditions to the RFP and is fully capable of fulfilling the contract with apparatus that will serve the OCFA for many years.

This proposal is valid for a maximum of 180 days from proposal date.

Proposer contact information:

Brandon Gomez
KME Fire Apparatus
4725 Troy Ct.
Jurupa Valley, CA 91761
Phone: 909-917-4339
Email: bgomez@kmeffire.com

Regards,

Brandon Gomez

Brandon Gomez
KME Factory Sales Representative

EXHIBIT B: STATEMENT OF QUALIFICATIONS QUESTIONNAIRE

Offerors shall provide a response to each of the following items. Responses shall demonstrate the ability, capacity, experience, and skill of the Offeror, their staff, and their employees to provide the equipment requested. Provide a response to each of the requests below:

1. Provide the firm's detailed information, including number of years in business, location of office(s), and number of employees.
2. Proposer should indicate that it has sufficient licenses, permits, qualifications, and approvals that are required to do business within the State of California. Provide proof.
3. Describe the firm's experience in providing vehicles of similar nature, particularly to public agencies, municipalities, or other governmental agencies and include the number of builds currently in process.
4. Proposals will only be accepted from vehicle builders who design, fabricate, and assemble complete apparatus at their own facilities. Please indicate if your firm complies.
5. The successful company is required to have a delivery and service facility within fifty (50) driving miles of the OCFA Fleet Services repair facility. In addition, this facility is required to have a minimum of five (5) years of experience in the delivery, repair and maintenance of the apparatus with an adequate covered and lit floor area for the inspection and repair of the apparatus. Please provide details on your facility and how you are able to meet this requirement.
6. Provide a list of key staff members who will be working on this project and their specific responsibilities with respect to the scope of work. Information should include their experience as related to the scope of work. Include proof of qualifications.
7. OCFA is requesting the delivery of the vehicles within two hundred (200) days from the purchase order issue date or sooner. What is the estimated number of days required for delivery of the vehicle upon receipt of the purchase order?
8. Provide a detailed description of the warranty included with the purchase of each Type 3 Engine and included assembled components. The warranty statement will include the manufacturer's obligations and capability of furnishing parts and technical assistance to OCFA for the normal life of the vehicle (15 years).
9. Is the warranty a "single-source warranty"? What are the duration periods of the optional "single-source warranty"? Provide the guaranteed response time for resolution of warranty issued after notification from Fleet Services is received.
10. Provide a detailed description for an optional extended warranty for the proposed apparatus and major assembled components. Please specify those components that are covered, those items where the standard component warranty is extended and also those items that are specifically not covered by the optional extended warranty.
11. Include any additional information that will assist OCFA in assessing your firm's history of performance and demonstrated ability and expertise in providing the requested equipment.



**Orange County Fire Authority - RFP JA2304 Type 3 Engines
Exhibit B**

1. KME Fire Apparatus has been building firefighting vehicles for over 40 years from Nesquehoning, PA. We operate a factory-owned branch in Jurupa Valley, which is within 50 miles of the OCFA headquarters. Currently KME employs 23 people at the local branch and over 700 companywide.
2. KME maintains all of the proper licenses to operate a sales and service center in California. All licenses are attached.
3. KME has been Type 3 Engines for Fire agencies for many years. We have delivered comparable apparatus to departments such as Los Angeles County, Santa Clara County, San Bernardino County, OCFA and many more. We specialize in manufacturing Type 3 apparatus with a stainless steel integral tank such as specified in the OCFA RFP.
4. KME manufactures our apparatus completely from our facility in Nesquehoning, PA.
5. KME owns and operates a sales, service and parts center located with 50 miles of the OCFA. This center has been in operation since 1989 and possess all of the resources to respond to all service, warranty and parts requests. We employ EVT-certified mechanics and have the ability to provide mobile service in the field. Additionally, KME is currently in the process of expanding our service and parts center with a state of the art 65,000 square feet facility. We expect to have this facility in full operation by spring of 2020.
6. Key KME staff members who will be involved in this contract will be:
Brandon Gomez: Sales Representative. 11 years with KME
Shawn Gogola: Contractor Administrator. 9 years with KME
John Whitney: Branch Manager. 2 years with KME. 20 years in industry
Ken Creese: California Sales Director. 3 years with KME. 30+ years in industry
7. KME is proposing a 1-year bumper to bumper warranty with the apparatus. The body and tank are warranted for 20 years. An extended warranty option is being provided with our response, which would resemble the 1-year bumper to bumper warranty but extended to 3 years. Since this is a commercial chassis, the cab and chassis warranty would fall under that as provided by Freightliner. Wearable items such as wiper blades, drive belts, brakes, etc. are not covered under the standard warranty.
8. KME Fire Apparatus is fully capable of building the Type 3 Engines as specified by the OCFA as demonstrated on apparatus previously delivered to the OCFA. This "wet-side" design is something that KME takes pride in manufacturing and will provide many years of reliable service to the OCFA.

**DEPARTMENT OF MOTOR VEHICLES
OCCUPATIONAL LICENSING SECTION**

TEMPORARY PERMIT



TYPE OF LICENSE

<input checked="" type="checkbox"/> DEALER	<input type="checkbox"/> DISTRIBUTOR	<input type="checkbox"/> LESSOR-RETAILER	<input type="checkbox"/> DEALER-REMANUFACTURER ONLY
<input type="checkbox"/> DEALER-WHOLESALE ONLY	<input type="checkbox"/> TRANSPORTER	<input type="checkbox"/> DRIVING SCHOOL OWNER	<input type="checkbox"/> ATV TRAINING ORGANIZATION
<input type="checkbox"/> DEALER AUTOBROKER	<input type="checkbox"/> REMANUFACTURER	<input type="checkbox"/> DRIVING SCHOOL OPERATOR	<input type="checkbox"/> REGISTRATION SERVICE
<input type="checkbox"/> MANUFACTURER	<input type="checkbox"/> DISMANTLER		

TYPE OF VEHICLES — Place an "X" in all that apply.

	AUTO COMMERCIAL	TRAILER	MOTORCYCLE	ALL-TERRAIN VEHICLE	RECREATIONAL TRAILER	MOTORHOME	SNOWMOBILE
NEW	X						
USED	X						

FIRM OR INDIVIDUAL NAME KME FIRE APPARATUS			O/L NUMBER 90276
ADDRESS 4725 TROY CT		CITY JURUPA VALLEY	STATE CA
		ZIP CODE 92509	

NOTICE: This is not a license! This is a temporary permit enabling the entity shown above to operate in the capacity indicated pending the issuance of a license or permit. ***This temporary permit may be cancelled at any time and automatically expires 11/30/2018***

ISSUING EMPLOYEE'S TYPED NAME AND NUMBER McINTYRE #732	ISSUING EMPLOYEE'S SIGNATURE X	OFFICE/REGION SNB / R4
SIGNATURE OF APPLICANT X		DATE 10/15/2018

OL 31 (REV. 02/06)

IMPORTANT LICENSE INFORMATION

- Licensees are responsible for remaining current on department procedures, new laws, and regulations, which may impact your business operations. The Department of Motor Vehicles electronically publishes informational handbooks, procedural revisions, and industry memos through e-mail alert advisories. You may enroll for e-mail alert advisories at: <http://www.emailalert.dmv.ca.gov/subscriptions.asp>
- Licensees are responsible for notifying an Occupational Licensing Inspector in writing within 10 days of any of the following occurrences:
 - Change of business address, including change of suite number or postal service change (renumbering or zip code changes).
 - Change of business name.
 - Addition/deletion of business locations.
 - Ownership changes.
 - Changes to Corporate Officers, Limited Liability Company Members/Managers, or Association Representatives.
 - Type license changes, including the addition/deletion of franchised makes or the addition/deletion of training curriculums.
- Occupational Licensing forms and license requirements are published at: <http://www.vehindustry/ol/forms.htm>

DISPLAY OF LICENSE

This Temporary Permit or forthcoming wall license must be signed, posted, and continuously displayed in a location conspicuous to the public at the established place of business.

Vehicle dealers must also display, in a place conspicuous to the public, the salesperson's license for each salesperson in their employ.

NOTE: In the event this temporary permit expires prior to receipt of your permanent wall license, contact your local Inspector or call Occupational Licensing at (916) 229-3126 regarding the status.

EXHIBIT C: REFERENCES

Describe fully at least four contracts for similar vehicles provided by your firm to public entities, preferably located in Southern California, which were manufactured by the firm's company and are currently in service. It is the Contractors responsibility to ensure that the firm's name, and point of contact's name, title and phone number for each reference is accurate. Attach additional pages if needed. OCFA reserves the right to contact each of the references listed for additional information regarding their experience with your company. If similar apparatus are not located in Southern California, inspection of such apparatus may be requested, and if so, shall be provided by the successful offeror for up to four (4) persons at no expense to the OCFA.

Customer Agency Name	Ontario Fire Department
Contact Name and Title	Ryan McCormick
E-mail/Telephone number	rmccormick@ontarioca.gov 714-343-6098
Type of Vehicle Supplied: Year/Make/Model/Quantity	2018 KME Type 3 Brush Engine Qty. 1
Customer Agency Name	Los Angeles County Fire Department
Contact Name and Title	Chad Idol Fleet Manager
E-mail/Telephone number	chad.idol@fire.lacounty.gov 213-247-8965
Type of Vehicle Supplied: Year/Make/Model/Quantity	2015 KME Type 3 Brush Engine Qty. 1
Customer Agency Name	San Bernardino County Fire Department
Contact Name and Title	Dale Sandoval Fleet Manager
E-mail/Telephone number	dsandoval@sbcfire.org 909-815-7960
Type of Vehicle Supplied: Year/Make/Model/Quantity	2007 KME Type 3 Brush Engine Qty. 2
Customer Agency Name	Escondido Fire Department
Contact Name and Title	Scott Barratt Fire Captain
E-mail/Telephone number	sbarratt@escondido.org 760-839-6237
Type of Vehicle Supplied: Year/Make/Model/Quantity	2016 KME Type 3 Brush Engine

EXHIBIT D: RESPONSE TO VEHICLE SPECIFICATIONS # 18-03-03 TYPE 3 ENGINE

The proposal must include detailed responses to vehicle specification number 18-02-22 CREW CARRIER VEHICLE. A Microsoft Excel file is included with this solicitation to assist vendors in documenting responses to each specification.

Proposals must also include the required drawings related to the specifications: one (1) original, plus three (3) copies of preliminary vehicle drawings (both full size and 8 ½" x 11").

SPECIFICATION NUMBER 18-03-03 TYPE 3 ENGINES (REVISED 9-12-18)
RFP JA2304

BID REQUIREMENTS: The following specifications describe a motor vehicle to be used by the Orange County Fire Authority. The vehicle shall be a new current advertised model built by a well-established manufacturer of this type of vehicle. Each proposal shall be accompanied with a detailed description of the vehicle and equipment proposed. The vehicle furnished shall conform to this proposed specification. If the bidder wishes to change from these specifications the bidder shall merely indicate the change, check the paragraph in the column "NO", does not comply, and a detailed description must accompany the proposal on what the bidder is proposing to do or supply.

It is not the OCFA's intent to restrict or limit competition with the specifications, but to provide prospective bidders enough information as to the OCFA's needs.

EXCEPTIONS: Any exceptions or clarifications taken shall be described in the exceptions column for each corresponding line item. No exception to or deviation from this specification will be considered unless specifically noted by the offeror. Any exceptions(s) not taken to these specifications shall be assumed by the OCFA to be included as specified, regardless of the cost to the offeror to comply.

PROPOSER:

**PROPOSED TYPE 3 ENGINE
(YEAR/MAKE/MODEL):**

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Materials and Workmanship	1	The design and construction of the apparatus, including all materials and workmanship, shall be of high quality and shall conform to the most recent applicable standards of the following:		X		
	2	• Society of Automotive Engineer's Standards and Recommended Practices		X		
	3	• National Fire Protection Association (NFPA) 1901 and 1906 - Automotive Fire Apparatus Standards. Any reference to 1901 standards within 1906 shall be complied with.		X		
	4	• Federal Motor Vehicle Safety Standards (FMVSS)		X		
	5	• Environmental Protection Agency (EPA)		X		
	6	• Occupational Safety and Health Administration (OSHA) Standards		X		
	7	• California State Standards (DOT Title 13)		X		
	8	The apparatus provided shall be of the most current design and model year that the manufacturer produces. All materials and components shall be new and of the most current model produced for which replacement parts are readily available. (NO EXCEPTION)		X		
	9	All component parts shall embody the original manufacturer's label plate and part or model number as applicable		X		
	10	No manufacturer emblems/badges shall be affixed or stamped into the vehicle cab/body		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Materials and Workmanship (continued)	11	All piping, wiring, and tubing shall be neatly installed, secured where necessary, and protected from heat and mechanical damage. The exhaust must be sufficiently shielded and/or insulated as to not communicate any heat on the body surfaces, which contain medical supplies and substances that are heat sensitive.		X		
	12	All welding shall be neat and have uniform beads. All welding spatter shall be removed.		X		
	13	Any torch cut or sheered metal shall have ground-smooth cuts on all sides.		X		
	14	All major components including the engine, transmission, radiator, front and rear axles, brakes, steering gear and body shall be independently replaceable without cutting, burning or structural alteration. Welding shall not be employed in a manner that will prevent the ready removal of these component parts for inspection, service, or repair.		X		
Technical Data and Drawings	15	Technical data describing the proposed apparatus and all major components shall be submitted. Major components include: body, cab/chassis, engine, transmission, front and rear axles, wheels and tires, brakes and other specified components.		X		
	16	All offerors shall include the following technical drawings with their proposal:		X		
	17	• Preliminary drawings of proposed OCFA apparatus.		X		
	18	• Turning radius report for the proposed apparatus.		X		
	19	The successful offeror shall provide the following:		X		
	20	• Detailed drawing(s) of the cab dash, center console and all switch panel's layouts for approval.			X	WILL PROVIDE AT PRECON
	21	• Final "as built" drawings of OCFA apparatus by time of delivery that include all electrical, circuits.		X		
	22	• Final "as built" drawings of OCFA apparatus shall include length, width, height, wheelbase, flat ground clearances and angles of approach and departure.		X		
	23	• The apparatus shall be weighed and documentation shall be provided to OCFA.		X		
	24	All drawings (for both proposed and "as built" vehicles) shall be provided in full-size (approximately 34" x 22" for readability and clarity) and 8 ½" X 11".		X		
	25	Engineering, design, and construction of the fire apparatus as specified in these specifications will be under the direct supervision of a licensed mechanical engineer.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	26	Data required from the manufacturer for each major component shall include the make and model.		X		
Technical Data and Drawings (continued)	27	The manufacturer shall provide total weight certification (GVW and GAW) which includes rated axle capacities. In addition to a total weight, the manufacturer shall provide a weight analysis form to include compartment weight limits for optimum weight distribution for the completed apparatus.		X		
	28	Manufacturer shall also provide road performance guarantees including: acceleration, top speed, grade-ability, braking, etc.		X		
	29	Vehicle turning radius (right and left) and rated axle capacity data shall be provided. Cramp angle for front axle.		X		
	30	Materials, type of construction and general drawings showing compartment size, seating arrangements, controls and instrument panel layout shall be provided.		X		
DMV Registration	31	The Manufacturer shall provide the following:		X		
	32	Complete California Department of Motor Vehicles registration including all taxes and fees.		X		
	33	Certificate of Origin.		X		
	34	Verification of Vehicle Identification Number with California weight certification.		X		
Preparation for Shipment	35	The Vehicle, its accessories, spare parts, and tools shall be packed in such a manner as to prevent pilferage and ensure safe delivery to the designated point. Manufacturer shall provide a list of all items shipped loose with the apparatus.		X		
Training	36	The manufacturer shall arrange for a factory trained representative to conduct training courses and demonstrate the equipment as follows at the customer's location:		X		
	37	Three (3) days shall be provided for instruction on the operation, use and maintenance of the new apparatus for operators to coincide with our shift schedule. (one day per shift)		X		
	38	Two (2) days shall be provided for the fleet services section for instruction on the operation, use and basic maintenance for repair of the chassis, body, and all components. To include trouble shooting chassis wiring and any multiplexing system. (Two days to accommodate all of fleet services attendance)		X		
	39	Factory representative shall be well versed and familiar with all aspects of the vehicle operations, capabilities and limitations (No Exception).		X		
	40	Manufacturer shall give permission for photo/video recording of any and all training sessions for future reference by the OCFA		X		
Chassis - General	41	The Chassis shall be a new and unused 2019 Freightliner M2 106 Conventional Chassis with four (4) doors and four (4) wheel drive and be ordered/outfitted as required below:		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Requirements	42	Medium truck warranty.		X		
Chassis - General Requirements (continued)	43	Provide a detailed description for a five (5) year factory warranty for the cab/chassis and major assembled components, as well as a five year body warranty to include a bumper to bumper (all components/body).		X		
	44	Expected Front Axle(s) Load: 12,000lbs.		X		
	45	Expected Rear Axle(s) Load: 23,000lbs.		X		
	46	Expected Gross Vehicle Weight Capacity: 35,000lbs.		X		
	47	Vehicle equipment including personnel and PPE is estimated at 3,700 lbs.		X		
	48	Fire Tank/Pumper - Main Driveline driven split/shaft PTO/pump		X		
Testing	49	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 1901.		X		
	50	A complete electrical scan showing max output in useable amps of power produces and available at idle and available maximum power shall be provided prior to build.		X		
	51	An Allison Performance scan shall be provided before apparatus is built.		X		
	52	Vehicle shall be tested for maximum tilt angle with full load inside and full tank of fuel and all other NFPA weight requirements shall be tested and recorded and produced in a report to OCFa upon or before delivery. Note: current vehicle tilt angle greater than or equal to 33°		X		
Engine Equipment	53	Cummins L9 350EV HP @ 299 350HP, 2200 Governed RPM, 1000 LB/FT @1400 RPM		X		
	54	Maximum speed governing as allowed by NFPA requirements		X		
	55	Cruise control speed limit same as road speed limit		X		
	56	Regen Inhibit Speed Threshold - 0 MPH		X		
	57	2016 Onboard diagnostics/2010 EPA/Carb/Final GHG17 Configuration		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	58	Standard Oil Pan		X		
Engine Equipment (continued)	59	Engine Mounted Oil Check and Fill		X		
	60	One piece valve cover		X		
	61	Side of hood air intake with NFPA Compliant ember screen and fire retardant Donaldson Air cleaner - the air inlet shall be equipped with a wire mesh screen to prevent burning particulate matter larger than 0.039 inches in diameter from reaching the filter element. This requirement also applies to the auxiliary pump engine air intake.(NO EXCEPTION)		X		
	62	Two (2) Cab heater shut-off valves shall be provided. Shall be 1/4 turn valves. Location TBD at Pre-Construction.		X		
	63	LN 12V 320 AMP 4962A Pad Mount Alternator		X		
	64	Five (5) batteries shall be provided and shall be Odyssey (PC-2150 group 31). All OEM batteries to be replaced with the same.		X		
	65	Battery Box Frame Mounted - pull out tray so batteries can be replaced without disassembling the cab and/or compartments.		X		
	66	Standard Battery Jumpers - Shall be insulated such that mounting material will not cause shorting during use.		X		
	67	Wire ground return for battery cables with additional frame ground return - all frame grounds shall be properly prepared prior to attachment.		X		
	68	Positive load disconnect with cab mounted control switch mounted outboard of driver seat. If Freightliner offers an OEM option this would be allowable. If this option is not available shall be one (1) heavy duty 12 Volt Cole Hersee, single throw master battery disconnect switch mounted on the driver side floor area with a face plate. Exact location TBD by OCFA. Final decision to be made by OCFA at pre- construction meeting.		X		
	69	Positive and negative posts for jumpstart - Exact Location TBD by OCFA		X		
	70	Cummins Turbocharged 18.7 CFM compressor with internal safety valve		X		
	71	Standard mechanical air compressor governor		X		
	72	GVG, Fire and Emergency service vehicles engine warning		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	73	Cummins Exhaust Brake Integral with variable geometry turbo with on/off dash mounted switch. Will activate stop lamps.		X		
Engine Equipment (continued)	74	RH outboard under step mounted horizontal aftertreatment system assembly with RH horizontal tailpipe exiting forward of the rear tires at 90°. Shall have appropriate exhaust collection system attachment. What brand and style: Plymovent magnetic attachment		X		
	75	Due to high exhaust temperatures, the exhaust outlet shall not terminate near storage compartments. Care must be exercised to protect such items as fuel lines, speedometer cable, electrical wiring, remote control cables, brake hoses, compartment floors, batteries, fuel tanks, gear boxes and starter motors from high exhaust system heat created during extended stationary pumping operations.		X		
	76	Any modifications to the exhaust system must be OEM chassis manufacturer approved and in no way shall void any OEM chassis manufacturer warranty. Proper provisions shall be made to permit exhaust system to expand and contract from heat and to resist stress and vibration. Flexible tubing shall not be used in any part of the system unless approved by OCFA.		X		
	77	6 gallon Diesel Exhaust Fluid tank		X		
	78	100 Percent DEF Fill		X		
	79	LH Medium Duty Standard Diesel Exhaust Fluid Tank Location		X		
	80	Standard Diesel Exhaust Fluid Tank Mounting		X		
	81	Horton Drivemaster Advantage on/off fan drive - Two Speed. Fan shall not come in contact with shroud when off-road driving		X		
	82	Automatic fan control with dash switch and indicator light, Non engine mounted		X		
	83	Cummins spin on fuel filter		X		
	84	Combination full flow/bypass oil filter		X		
	85	1100 Square inch aluminum radiator		X		
	86	Antifreeze to -34, OAT (Nitrite and Silicate Free) extended life coolant		X		
	87	All Coolant hoses to be silicone.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	88	Constant tension hose clamps for coolant hoses		X		
Engine Equipment (continued)	89	Auxiliary Engine cooling using water from fire pump on drivers side to be located at pump panel. Pump water and coolant shall not inter-mix when auxiliary cooler valve is in operation.		X		
	90	Lower radiator guard		X		
	91	Aluminum flywheel housing		X		
	92	Electric Grid air intake warmer		X		
	93	Delco 12V 38MT HD Starter with integrated magnetic switch		X		
Transmission	94	Allison 3000 EVS Automatic Transmission with integrated Magnetic Switch		X		
	95	Allison Vocational Package 198 - Available on 3000/4000 product families with vocational model EVS		X		
	96	Allison Vocational Rating for Fire Truck/Emergency Vehicle applications available with all product families		X		
	97	PTO, Transfer Case Mounted Muncie is preferred.		X		
	98	Magnetic Plugs, Engine drain, Transmission Drain, Axle(s) Fill and Drain		X		
	99	Push button Electronic Shift Control, Dash Mounted - shall have mode button programming to be determined.		X		
	100	Transmission Prognostics - Enabled 2013		X		
	101	Water to Oil Transmission cooler, in radiator end tank		X		
	102	Meritor MTC-4210 and MTC4213 Transfer case oil cooler - to have an electric fan mounted on the cooler to provide cooling and is temperature controlled.		X		
	103	Transmission oil check and fill with electronic oil level check		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	104	Meritor MTC 4210XP 2-Speed Transfer case - Shall have a minimum 10,000 ft pound rating. The PTO shall be mounted in such a manner that the driveline angles do not exceed the manufacturer's recommended angles for the u-joints and shall be e of the proper series and type specified by the pump and PTO manufacturers.		X		
Transmission (continued)	105	Transfer case shift controls shall be provided on the dash in the cab within easy reach of the operator and shall include indicator lights as mandated by NFPA 1901 and 1906, latest editions.		X		
	106	TRANS -SYND SYNTHETIC TRANSMISSION FLUID WITH TRANSSYND LABEL AFFIXED TO DIPSTICK.		X		
	107	All drive shafts shall be constant velocity joints to ensure smooth operation and be both statically and dynamically balanced. All Slip joints shall have zirc grease fittings.		X		
	108	Provisions shall be made for adequate cooling of the torque converter and transmission oil under all operating conditions in temperatures up to 125° Fahrenheit. Maximum available cooling options.		X		
Front Axle and Equipment	109	MX-12-120HR-EVO 12,000#1790MM KPI Single Front Drive Axle with HR Carrier - Axle breather extensions shall be installed and terminated above the frame rail		X		
	110	Front Axle Ratio (Gear ratio to be set to provide maximum climb, acceleration and governed maximum speed) Transmission Scan shall be provided to determine best ratio		X		
	111	MXL 16T Meritor Extended Lube Front Steering Axle Driveline with Half Round Yokes - Drive-line "drop protection loops" shall be provided for both the front and rear drivelines		X		
	112	Vehicle shall have power steering		X		
Front Suspension	113	Dual Taper leaf Front Suspension - Shall be rated with a capacity at the ground equal to the maximum rating of the front axle. (vehicle is to be used for off and onroad driving. Best stability and ride performance is desired)		X		
	114	Maintenance Free rubber bushings - Front suspension		X		
	115	Front Shock Absorbers - Shall be Heavy duty		X		
Rear Axle and Equipment	116	RS-23-161 24,000lb R-Series Fire/Emergency Service Single Rear Axle - Axle breather extensions shall be installed and terminated above the frame rail		X		
	117	Rear Axle Ratio (Gear ratio to be set to provide maximum climb, acceleration and governed maximum speed) Transmission Scan shall be provided to determine the best ratio		X		
	118	Iron rear axle carrier with standard axle housing		X		
	119	MXL 176T Meritor extended lube main driveline with half round yokes - Drive-line "drop protection loops" shall be provided for both the front and rear drivelines		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	120	MXL 176T Meritor extended lube inter-transmission driveline with half round yokes - Drive-line "drop protection loops" shall be provided for both the front and rear drivelines		X		
Rear Axle and Equipment (continued)	121	Detroit auto locking rear end.		X		MAY NOT BE DETROIT BRAND
Rear Suspension	122	24,000lb Flat Leaf Spring Rear Suspension with helper, with radius rod, for Fire/Emergency Service - Shall be rated with a capacity at the ground equal to the maximum rating of the rear axle. (vehicle is to be used for off and onroad driving. Best stability and ride performance is desired)		X		
	123	Spring Suspension - No Axle Spacers		X		
Brake System	124	Air Brake Package		X		
	125	An anti-lock (ABS) air brake system shall be used on all wheels.		X		
	126	All lines shall be protected from engine and exhaust heat.		X		
	127	D.O.T. approved rubber brake hoses shall be provided at all brake chambers.		X		
	128	All air-lines to be color coded Synflex type.		X		
	129	Only copper, brass or stainless steel fittings will be accepted in the air system. OEM Freightliner air lines acceptable. Any additions shall comply with spec.		X		
	130	All Synflex air hose that is routed below the frame rails shall be wrapped with "Storm King Mountain" (or OCFA approved equal) fire wrap lagging. No exception		X		
	131	The lagging shall be easily removable for service/repairs and be re-installed following removal.		X		
	132	The vehicle service brakes shall be an air only system and be the maximum capacity available for the axle(s) bid.		X		
	133	The air compressor shall be a minimum of 13 cubic feet capacity, water-cooled, and the compressor air source shall be routed from the engine air cleaner.		X		
	134	The discharge line from the air compressor to the air dryer shall be stainless steel braid.		X		
	135	Brake system shall be designed to provide the maximum performance available through the use of commercially manufactured parts.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	136	Brakes shall be the largest commercially available and of the "self-adjusting" slack adjuster type.		X		
Brake System (continued)	137	Builder shall discuss options and latest technology available to minimize brake fade, shorten stopping distances and minimize brake wear.		X		
	138	The front brake shoe dimensions shall be minimum 16.5"X5" and the rear brake shoe dimensions shall be minimum 16.5"X7".		X		
	139	All brake drums shall be outboard mounted.		X		
	140	Rear wheel brakes with spring brake control shall be provided.		X		
	141	The parking brake is to be set with "pull" action and released with "push" action and shall also be properly labeled.		X		
	142	The rear brake chambers shall be rotated forward and up for maximum ground clearance.		X		
	143	The anti-lock Braking System shall consist of a redundant, multi-channel, dual diagonal circuit. Each circuit shall be completely independent of the other and, in the event of a single circuit failure the remaining circuit shall still function to help maintain steering control and stability under braking conditions.		X		
	144	All wheel sensors are to be rigid mounted and completely sealed and corrosion resistant.		X		
	145	The contractor shall use the OEM air tanks supplied with the chassis only if said tanks fit within the body buildup space constraints. Otherwise, new DOT approved tanks meeting the space constraints must be supplied and installed by the contractor that meet the minimum air volume specifications required by the chassis.		X		
	146	A pressure protection valve and pressure regulator shall be installed in the first tank (wet tank) of the air system to control all air-operated accessories.		X		
	147	All air-line fittings shall be DOT approved brass or stainless steel, steel fittings or lines are not acceptable, and bulkhead fittings are required on air lines that are routed into the cab.		X		
	148	The air lines shall be DOT approved, and shall be properly loomed, clamped and protected from heat and/or damage from abrasion. No Exception manufacturer.		X		
	149	No component of the original air brake system is to be moved or modified without International (chassis manufacturer) approval and consulting the OCFA.		X		
	150	Manually operated moisture drain "pet-cocks" shall be provided on each air tank.		X		
	151	The air tanks shall be mounted under the cab on the driver's side.			X	LOCATE OFFICER SIDE

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	152	A pressure protection valve and pressure regulator shall be installed in the first tank (wet tank) of the air system to control all air-operated accessories.		X		
Brake System (continued)	153	All air-line fittings shall be DOT approved brass or stainless steel, steel fittings or lines are not acceptable, and bulkhead fittings are required on air lines that are routed into the cab.		X		
	154	The air lines shall be DOT approved, and shall be properly loomed, clamped and protected from heat and/or damage from abrasion. No Exception.		X		
	155	The entire brake system shall meet all Federal and State of California requirements for air brakes.		X		
	156	Reinforced Nylon, Fabric Braid and Wire Braid Chassis Air lines		X		
	157	Fiber Braid Parking Brake Hose		X		
	158	BW AD-1 Brake Line Air Dryer with Heater		X		
	159	Air Dryer Mounted in serviceable location.		X		AS PROVIDED BY FREIGHTLINER
	160	BW DV-2 Auto Drain Valve Without Heater - Wet Tank		X		
Trailer Connections	161	Upgraded Chassis Multiplexing Unit. Note: entire vehicle to be OEM multiplexed system preferred		X		
	162	Upgraded Bulkhead Multiplexing Unit. Note: entire vehicle to be OEM multiplexed system preferred		X		
Wheelbase and Frame	163	175" Wheelbase (No Exception)		X		
	164	11/32x3-1/2"x10-15/16 Inch Steel Frame (8.73MMx277.8MM/0.344x10.94Inch) 120KSI		X		
	165	1/4 Inch (6.35MM) C-Channel Inner Frame Reinforcement		X		
	166	Square End of Frame		X		
	167	Front Closing Crossmember		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	168	Standard Weight Engine Crossmember		X		
Wheelbase and Frame (continued)	169	Standard Crossmember Back of Transmission		X		
	170	Standard Midship #1 Crossmembers		X		
	171	Standards Rearmost Crossmembers		X		
	172	Standards Suspension Crossmembers		X		
Chassis Equipment	173	Chrome front OEM bumper integrated to accommodate a front pre-connect storage configuration.		X		
	174	Front Tow Hooks - Frame Mounted With Capacity Labeling	X			
	175	Two (2) rear tow eyes shall be constructed from minimum 5/8" structural steel and be mounted extending down from the outside of the left and right frame rails. Tow eyes shall not interfere with the required angle of departure. All (4) tow eyes shall be permanently labeled with their rating as well as if they can be side loaded or not.		X		
	176	Removable steel skid plates that are painted frame color shall be installed as necessary to the underside of the vehicle to protect undercarriage and related components. Locations TBD during pre-construction meeting (air and fuel tanks). Skid plates shall be a minimum of 1/4" steel.		X		
	177	Bumper Mounting for Single License Plate		X		
	178	Fender and Front Hood Mounted Front Mud flaps		X		
	179	Grade 8 Threaded Hex Headed Frame Fasteners		X		
Fuel Tanks	180	79 50 Gallon Rectangular Aluminum Fuel Tank - LH - shall have a suitable means for draining directly from the bottom of the tank. Fuel level sending unit shall be accessible without removing the fuel tank.		X		
	181	A polished diamond plate cover with appropriate cab access steps shall be provided		X		
	182	A 1/4" (minimum thickness) removable steel skid plate that is painted body or frame color shall be fastened to the bottom side of the fuel tank hangers.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	183	No fuel tank roll over protection check valves shall be removed from the fuel system		X		
	184	Any chassis fuel system modifications shall be fully compliant with the California Air Resources Board (CARB) standards.		X		
Fuel Tanks (continued)	185	All contractor installed fuel vent lines shall be copper, steel, or gates C5D multi-fluid hose with Gates G34 series re-usable fittings hose with re-usable fittings, and shall be loomed and firmly clamped in position to prevent chafing or damage and all Synflex fuel hoses shall be wrapped with "Storm King Mountain" (or OCFA approved equal) fire wrap lagging. No Exception the lagging shall be easily removable for service/repairs and be re-installed following removal.		X		
	186	The fuel tanks and lines shall be protected as necessary from exhaust heat through the use of heat shields or baffles. Only metal fasteners that are coated or insulated for maximum fuel line protection shall be utilized. The fuel lines shall be braided stainless steel or OEM standard is acceptable		X		
	187	Fuel tank shall be labeled with a "Diesel Fuel Only" label. The type of label and mounting locations TBD at pre-con meeting.		X		
	188	All fuel lines shall be Gates "Mega-Tech" G5TB hose with G25 series "Mega Crimp" fittings or OCFA approved compatible equal used on anything added to the chassis, for example auxiliary pump components.		X		
Tires	189	Front tires shall be a single and rear tires a dual. All tires shall conform to the vehicle's GAWR. All tires shall be tubeless radial truck type with matching M&S rated traction tread both front and rear. Tire size shall be 11 R 22.5		X		
	190	The tires shall be Goodyear or Michelin		X		
	191	Each tire shall be equipped with an air pressure indicator cap on the valve stem. Each cap shall have a visual indicator to show if the tire is correctly inflated. The exact style/model TBD at pre-con or mid meeting		X		
	192	One (1) spare tire and wheel shall be provided for each vehicle. Both the tire and the wheel shall be of the same brand and design as the vehicle. Shipping arrangements TBD during pre-con meeting		X		
Wheels	193	All wheels to be polished alcoa wheels. Front to have chrome hub cover and chrome lug nut covers. Rears to have top hat style cover, half moon style, with chrome lug nut covers.		X		
Cab Exterior	194	154" BBC High-Roof Aluminum Conventional Crew Cab		X		
	195	Air Cab Mounting		X		
	196	Cab Roof Reinforcements for Roof Mounted Components		X		
	197	Non Removable Bug screen Mounted Behind Grille		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	198	Hood Mounted Chromed Plastic Grille. Note: preference is fixed grill		X		FIXED IF AVAILABLE FROM OEM
	199	One (1) Grover model #1510 air horn shall be provided. Horn to be mounted behind the front bumper and be operable upon selection by the driver using the horn selection switch and the steering wheel horn button. Location TBD during pre-construction.		X		
Cab Exterior (continued)	200	Dual Electric Horns		X		
	201	Door Locks and Ignition Switch Keyed the Same with four (4) Keys. All three units to be the same key.		X		
	202	Led Headlight Assembly and Incandescent Marker/Turn Lamp with Chrome Bezel		X		
	203	Led Aerodynamic Marker Lights		X		
	204	Headlights off with ignition off with daytime running lights		X		
	205	Dual West Coast Bright Finish Heated Mirrors with LH and RH Remote		X		
	206	102" Equipment maximum Cab and Body width (NO EXCEPTIONS)		X		
	207	Overall vehicle width shall be 118" including mirrors and accessories (NO EXCEPTION)		X		
	208	LH and RH 8" Bright Finish Convex Mirrors Mounted under Primary Mirror		X		
	209	Standard Side/Rear Reflectors		X		
	210	63x14" Rear Tinted Window - Provide option for no rear window. Note: preference is no rear window.		X		
	211	Tinted Door Glass LH and RH with Tinted Non operating Wing windows - Tint to comply with all CA and Federal regulations. Note: intent of this tint is to provide UV protection and heat reduction in the cab. Front windows and windshield to comply with CA state law, rear windows to be as dark as allowable. Vendor to provide film to achieve intent.		X		
	212	RH and LH Electric Powered Windows, Passenger Switches on Door(s)		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	213	Tinted Windshield - Tint to comply with all CA and Federal regulations.		X		
Cab Interior	214	Vinyl Interior to be black in color - OCFA to approve final color		X		
	215	Molded Plastic Door Panels Front and Rear Doors		X		
Cab Interior (continued)	216	Forward Roof Mounted Console with Upper Storage Compartment without Netting		X		
	217	In Dash Storage Bin		X		
	218	LH Door Map Pocket		X		
	219	Gray/Charcoal Flat Dash		X		
	220	Smart Switch Expansion Module		X		
	221	Heater, Defroster and Air Conditioner		X		
	222	Standard HVAC Ducting		X		
	223	Main HVAC Controls with Recirculation Switch		X		
	224	PDI Installed Sport Chassis Cab Comfort System		X		
	225	Standard Heater Plumbing		X		
	226	Denso Heavy Duty Air Conditioner Compressor				
	227	Premium Insulation		X		
	228	LH and RH Electric Door Locks		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	229	The driver's seat will be a USSC Valor air suspension race back bucket seat. The seat will have a contoured and padded seat cushion with lumbar support. The seat will have a ten inch fore and aft adjustment, and a minimum of three inch height adjustment with a reclining seat back. The seat air ride suspension will be pneumatically controlled from a control switch on the forward lower edge of the seat. The seat air ride suspension will have a 650 lbs. lift capacity. The seat will have an armrest on both sides of the seat. The upholstery will be black Cordura with black topstitch and no logos. Driver (VALOR-DHAN9N05-1C-01-0000)		X		
Cab Interior (continued)	230	The officer's seat will be a USSC Valor air suspension race back bucket seat. The seat will have a contoured and padded seat cushion with lumbar support. The seat will have a ten inch fore and aft adjustment, and a minimum of three inch height adjustment with a reclining seat back. The seat air ride suspension will be pneumatically controlled from a control switch on the forward lower edge of the seat. The seat air ride suspension will have a 650 lbs. lift capacity. The seat will have an armrest on both sides of the seat. The upholstery will be black Cordura with black topstitch and no logos. Officer (VALOR-DHAN9N06-1C-01-0000)		X		
	231	The rear seat will be a USSC Valor air suspension race back bucket seat. The seat will have a contoured and padded seat cushion with lumbar support. The seat will have a ten inch fore and aft adjustment, and a minimum of three inch height adjustment with a reclining seat back. The seat air ride suspension will be pneumatically controlled from a control switch on the forward lower edge of the seat. The seat air ride suspension will have a 650 lbs. lift capacity. The seat will have an armrest on both sides of the seat. The upholstery will be black Cordura with black topstitch and no logos. Rear Seating (VALOR-DHAN9N05-1C-01-0000)		X		
	232	The rear seat will be a USSC Valor air suspension race back bucket seat. The seat will have a contoured and padded seat cushion with lumbar support. The seat will have a ten inch fore and aft adjustment, and a minimum of three inch height adjustment with a reclining seat back. The seat air ride suspension will be pneumatically controlled from a control switch on the forward lower edge of the seat. The seat air ride suspension will have a 650 lbs. lift capacity. The seat will have an armrest on both sides of the seat. The upholstery will be black Cordura with black topstitch and no logos. Rear Seating VALOR-DHAN9N06-1C-01-0000)		X		
	233	LH and RH Integral Door Panel Armrests		X		
	234	All Seatbelts Shall be Red		X		
	235	Adjusting Tilt and Telescoping Steering Column		X		
	236	4-Spoke 18 inch Steering wheel		X		
	237	Driver and Passenger Interior Sun Visors		X		
	238	Each cab door shall have an additional "limiting strap" installed to keep the door from opening past the OEM door stop point.		X		
	239	Two (2) Whelen cab ceiling mounted map lights, model 60CREGCS. Exact location TBD at pre-construction meeting or mid-inspection. With the battery master switch on and any cab door opened, the red light section of dome light and the cab under-truck light shall illuminate. Default for the lights shall be red. Front light shall illuminate for front doors that are opened. Rear light shall illuminate for rear doors that are opened.		X		
	240	One (1) Sunnex HS-741-20-FL map light, with optional swivel joint, red filter and LED bulb shall be provided and mounted on the center console. Final location TBD at pre-con meeting.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	241	An open door warning system that is incorporated with the parking brake circuit shall be provided and operate as follows:		X		
	242	One light warning device shall indicate driver side cab or compartment door open. (shall be light notification only and no audible alarm). Note: to be center mounted. Exact location TBD during pre-construction.		X		
Cab Interior (continued)	243	One light warning device shall indicate rear and top compartment door open. Telescoping flood lights shall also be tied to this circuit. Note: to be center mounted. Exact location TBD during pre-construction.		X		
	244	One light warning device shall indicate passenger side cab or compartment door open. Note: to be center mounted. Exact location TBD during pre-construction.		X		
	245	Warning lights shall be red LED Truck-Lite model/series 33, (set on a rapid flash pattern) mounted in an overhead housing in plain view of both the driver and officer, be identified for coverage area and shall activate with the release of the parking brake.		X		
	246	All Cab doors shall have a WHELEN 500 series LED (model 5VR02ZRR) red light (set on a rapid flash pattern) mounted at the lower, outside edge of the interior door panel. Light shall be mounted vertically in a Whelen model #5FLANGEP housing and operate when that door is opened only. Note: door warning lights to have admin switch to cancel operation during maintenance.		X		
	247	Reflective 4" red/yellow chevron/stripping shall be applied to a piece of aluminum sheet material and affixed to the lower inside portion of each cab door. The chevron material shall be 3M Diamond grade.		X		
	248	Four (4) AMFAB ceiling mounted fans shall be provided, two in the front and two in the rear cab area. Fans to be reinforced and securely mounted. Location to be determined at pre-construction.		X		
	249	One (1) 6' coiled 1/4" air hose with nozzle to be installed to the rear of the driver's seat, accessible from the left passenger floor area, with 1/4 turn shutoff to supply hose. Hose shall be of quick connect type and removeable.		X		
Interior Center Console	250	A center console fabricated from minimum .125 6061-T6 aluminum with a DA 80 Grit (orbital sanded) finish and powder coated or painted. Shall be mounted (through bolted) to the cab floor between the front bucket seats with the appropriate backing. The console shall have a two piece top and a removeable back panel. The console shall be designed to adequately support the mounting of an OCFA installed mobile data computer (approximate weight 30 lbs.)				
	251	A map book compartment with an aluminum lid hinged at the rear with a positive latch closure shall be attached to the rear console panel. Approximate map box dimensions are 12" front to back, 14" deep and will run the full width of the center console. The console dimensions will vary due to the chassis manufacturer and/or seat style, but shall be the maximum size that will fit between the front bucket seats. The console shall be built to ensure allowances for seat belt access, engine dog house removal, full operation of seat functions, and consideration taken as to not affect rear seat leg room. The overall height of the console shall not exceed the seat height of the front cushion.		X		
	252	The top of the console shall be the location for the mounting of the auxiliary pump controls and siren controls as described in other sections of this specification. All power for the auxiliary pump controls/lights shall be master disconnect switch controlled. The console shall be vented to allow heat dissipation from the electrical components to be mounted within.		X		
	253	A storage console shall be provided between the rear seats. This console is to be the maximum size that will fit between the seats and arm rests with the overall height not to exceed the height of the rear seat cushions. Console lid is to be hinged at the rear and be secured in the front with a flush mounted spring latch. A Rear storage console shall be incorporated to allow for storage underneath the rear air ride seats. Final design of incorporation of seat base storage to be approved by OCFA at pre-construction meeting.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Interior Center Console (continued)	254	One (1) Communications cabinet shall be constructed and installed on the rear cab wall, behind the rear seat area. Console will be fabricated using .125 6061-T6 aluminum with a DA 80 Grit (orbital sanded) finish and powder coated or painted to match the front console. Cabinet will have three access panels of equal size with two thumb latches on each panel for securing. Bottom of each access panel will have a padded channel to lock the panel in and prevent rattling. Any irregularities between the rear cab wall and the communication cabinet will be trimmed with flat stock aluminum or approved equal and will match the finish of the cabinet. The lower horizontal support for the three cover panels will be reinforced to carry the load without utilizing a center vertical support. Exact design shall be approved during pre-construction meeting. A 3/4" plywood base board, as large as possible, sprayed with black Line-X shall be provided and mounted to the interior cab rear wall, thru-bolted. For the purpose of mounting communications equipment at a later date.		X		
	255	Previous build drawing for center console layout and sizing available upon request.		X		
Setcom Equipment	256	One (1) Setcom intercom system per vehicle shall be provided. Builder to order quote number: 924845. Complete intercom system to be drop shipped directly to OCFA for installation by OCFA after delivery.		X		
	257	The builder shall install one two (2) un-terminated intercom cables Setcom #24-2212 as described: One cable shall run from the communication cabinet located behind the rear seats with ten (10) feet of extra coiled cable to the pump panel located on the driver's side with three (3) feet of extra cable coiled behind the outside speakers.		X		
Instrument Panel and Dash Controls	258	Engine Remote Interface with Park Brake Interlock		X		
	259	Black Gauge Bezels		X		
	260	All Gauges shall be in dash mounted.		X		
	261	Low Air Pressure Indicator Lights and Audible Alarm - Air gauges to be hard plumbed to gauges.		X		
	262	2 Inch Primary and Secondary Air Gauges - Air gauges to be hard plumbed to gauges.		X		
	263	Electronic Cruise Control with OEM switch control		X		
	264	ICU35, 132X48 Display with Diagnostics, 28 LED Warning Lamps and Data Linked		X		
	265	Heavy Duty Onboard Diagnostics Interface Connector Located Below LH Dash		X		
	266	2 inch Electric Fuel Gauge		X		
	267	Engine Remote Interface for Remote Throttle		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Instrument Panel and Dash Controls (continued)	268	Engine Remote Interface Connector at End of Frame		X		
	269	Electrical Engine Coolant Temperature Gauge		X		
	270	2 Inch Transmission Oil Temperature Gauge		X		
	271	Engine and Trip Hour Meters Integral within Driver Display		X		
	272	Electric Engine Oil Pressure Gauge		X		
	273	Overhead Instrument Panel and storage bins above driver and passenger windshield		X		
	274	NFPA Vehicle Data Recorder and Seatbelt Display		X		
	275	Electronic MPH Speedometer with Secondary KPH Scale, without Odometer		X		
	276	Standard Vehicle Speed Sensor		X		
	277	Electronic 3000 RPM tachometer		X		
	278	Ignition Switch Controlled Engine Stop		X		
	279	Pre-trip Lamp Inspection, All Outputs Flash, With Smart Switch		X		
	280	(2) Foot Switches: Located on floor on drivers side. One to control Unitrol siren and the other to control the EQ2B siren. Exact Location TBD by OCFA		X		
	281	Digital Voltage Display Integral with Driver Display		X		
	282	Single Electric Windshield Wiper Motor with Delay		X		
	283	Marker Light Switch Integral with Headlight Switch		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Instrument Panel and Dash Controls (continued)	284	Alternating Flashing Headlamp system with Body Builder Controlled Engagement - Maximum flash for alternating headlights.		X		
	285	One Valve Parking Brake System with Dash Valve Control Auto neutral and Warning indicator		X		
	286	Self Cancelling Turn Signal Switch with Dimmer, Washer/Wiper and Hazard Handle		X		
	287	Integral Electronic Turn Signal Flasher With Hazard Lamps Overriding Stop Lamps		X		
	288	AM/FM and Sirius/XM premium stereo with single disc CD Player, clock, USB, front and rear inputs with multiple speakers and antenna shall be provided.		X		
	289	A Hi-idle switch shall be provided on the dash switch panel. A green "OK to Engage High Idle" indicator light shall be provided adjacent to the switch. The light shall illuminate only when the conditions stated below are met. <ul style="list-style-type: none"> • The switch shall increase the engine speed to 1000 RPM only when the transmission is in neutral and the parking brake applied. • Safety interlocks are required to drop the engine RPM to idle when placing the transmission in gear or by shifting to the pump mode. • This Hi-idle function is to be interfaced with the electronic load management system. 		X		
	290	Voltmeter - One (1) Blue Sea 3 bank DC voltage gauge model 1830, shall be installed in the cab (exact location TBD by OCFA).		X		
	291	Bank 1 shall indicate the voltage and amperage of the vehicle chassis batteries		X		
	292	Bank 2 shall indicate the voltage of "isolated battery #1" (communications)		X		
	293	All banks shall be wired "hot" and give continuous battery voltage reading regardless of the battery disconnect switch position.		X		
	294	Gauge backlighting shall be wired "hot" at all times form the chassis batteries (not the parking/headlight circuit).		X		
	295	Amp shunt gauge shall be installed in close proximity to alternator. Final determination to be determined by OCFA at pre-construction meeting.		X		
Streamlight Provisions	296	Two (2) Streamlight Fire-Box E-spot led flashlights shall be provided. Each light shall be orange in color with a shoulder strap and a vehicle mount/charge system. The chargers will be direct wired to the vehicle electrical system and receive constant power, regardless of chassis battery disconnect position. Exact mounting location to be determined by OCFA.		X		
	297	Two (2) Streamlight Stinger LED HP rechargeable flashlights with 12-volt snap-in vehicle chargers shall be provided		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Steamlight Provisions (continued)	298	Chargers will be wired "hot" to the vehicle battery system. Mounting location(s) TBD during pre-construction meeting or mid-point inspection.		X		
	299	Paint Color Shall be PPG #71666 or equal for the lower cab and body Structure. Frame, Chassis, Undercarriage Components and fire pump shall be painted to match the cab and body.		X		
Paint	300	Paint Color Shall be PPG #8259 or equal for upper cab portion. Any roof mounted accessories or components shall be painted to match roof color		X		
	301	Paint Break shall be determined during pre-construction		X		
	302	Inside of compartments shall be coated with spray-on polyurethane Line-X lining. Coating shall be gray in color. Any compartment seams shall be caulked before finish coats are applied.		X		
	303	A four (4) inch continuous reflective stripe shall be provided that meets NFPA recommendations on all sides of the apparatus. Stripe shall be reflective 3M Scotch-Lite , white in color and have a 1/4" black border that surrounds the entire white stripe (a white on black overlay not a pin-striped outline). Final location and configuration TBD at pre-construction meeting.		X		
	304	NFPA compliant yellow/red rear chevron/stripping (style TBD) shall be attached to the rear of the apparatus. The material to be used shall be 3M Diamond Grade.		X		
	305	All sharp edges, burrs, etc. shall be ground or filed smooth. Unsightly/un-uniform; stitch welds shall be ground and filled with "seam sealer" to provide a smooth finish.		X		
	306	Surfaces to be painted shall be properly cleaned and sanded before applying paint. Sufficient coats of rust inhibiting primer shall be applied to help prevent corrosion.		X		
	307	Sufficient coats of finish paint shall be applied to insure adequate uniform coverage, which must last the service life of the vehicle. Consideration must be taken that fire apparatus must endure severe climatic conditions (salt air, acid rain, mud, sand, vegetation, heat, smoke, tar, etc.), and that fire apparatus will be waxed frequently. Final finish shall be properly buffed or polished to attain a high-gloss, mirror-like appearance.		X		
	308	All de-mountable items shall be removed during the painting process to insure proper uniform coverage of all areas (i.e. grills, bumpers, vents, mirrors, etc.). There shall be no vendor/builder labels or placards attached to the vehicle or body.		X		
	309	Standard E-Coat/Undercoating Entire frame and undercoating to be painted job color.		X		
Fire Pump and Auxiliary Pump	310	The main pump shall be a two-stage, centrifugal type designed for use in the fire service and supply water pressure to all discharge valves. It shall be designed so repairs can be made by replacement of normal repair parts (i.e. seals, bearings, impeller, and wear rings). The impeller and wear rings shall be made of bronze material. The pump pressure shall be tested to a minimum of 600 PSI. The impeller shaft seal shall be a mechanical, self-adjusting type.		X		
	311	Pump Shall be a Darley JMP-500. NO EXCEPTION		X		

SECTION		Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Fire Pump and Auxiliary Pump (continued)	312	The fire pump shall be equipped with an air operated transfer switch and a Darley valve/ram assembly to transition between the pressure and volume modes. Truck-Lite model/series 33 LED lights shall be provided that indicate the position of the switch/valve. Transfer valve shall be mounted so that it can be serviced. Mounting location to be determined at pre-construction meeting.		X	
	313	A Pneumadyne , 3 position toggle/air valve shall be provided to open/close a ram/valve between the water tank and both the main and auxiliary pumps. Truck-Lite model/series 33 LED lights shall be provided that indicate the position of the switch/valve. Valve shall be capable of being opened or closed manually in the event of an electrical or pneumatic failure.		X	
	314	The rated capacity of the main fire pump shall be 500 GPM. The pump shall meet NFPA guidelines for 500 GPM pumps.		X	
	315	The tank to pump connection shall permit a minimum flow of 500 GPM.		X	
	316	The contractor shall install on the apparatus all gauges, plumbing, suction and discharge valves, pressure governor, primer pump, unions, hose fittings, check valves and pump controls necessary to make the entire fire pump operational and tested in full compliance with NFPA 1901 and 1906, the latest addition.		X	
	317	A main pump test plate shall be provided at the left pump operator's panel that states the rated discharges and pressures as determined by the pump certification process.		X	
	318	Trident Emergency Products pneumatic pump primer; 3 barrel design with 2 Primer switches. One to be a pump panel mounted push-button activation switch and second to be a cab mounted push-button activation switch.		X	
	319	An adjustable 2½" intake relief dump valve Akron Model 59 (or equal) shall be provided and plumbed into the intake side of the main pump. The valve shall be preset from the factory at 150 psi. The pressure setting controls for the valve shall be accessible from or beneath the pump compartment. The valve shall be installed to provide pressure relief from any pump suction inlets. The discharge outlet shall terminate with a 2½" NST male connection and be labeled "Do Not Cap".		X	
	320	A Hale TRV-L thermal relief valve with overheat indicator light shall be provided with the return line plumbed to the area below the left pump panel. The nameplate, test switch and light shall be located on the left pump panel.		X	
	321	A line shall be run from the discharge side of the main pump to the water tank to help keep the pump cool when water is not being discharged. This line will be designed to by-pass water when the by-pass valve is open. The line will help to maintain the pump water temperature at a safe level. The by-pass cooler valve shall be located on the left pump operator's panel and be labeled "Pump Cooler".		X	
	322	An FRC "Pump Boss" model #PBA 404-D00 electronic pump pressure governor/throttle system with intake sensor and a <u>600 PSI transducer and audible alarm option</u> that is connected directly to the apparatus electronic control module (ECM), shall be installed and wired in accordance to the specific requirements by the OEM and NFPA 1901 and 1906, latest edition. Pump Boss to be matched with latest FRC programming upgrade necessary for operation with a Darley JMP-500 fire pump. No Exceptions		X	
	323	The pump gear case(s) shall be mounted directly to the fire pump. All pump mounting brackets are to be a minimum of 3/8" steel plate with SAE Grade 8 bolts. Care should be used in the design and manufacture of the mounting brackets to ensure that the fire pump(s) may be easily removed for repairs without having to cut or distort the mounting brackets for the fire pump(s).		X	
	324	To insure proper ground clearance due to the off-road capabilities of the apparatus, the main pump, related plumbing and components shall be mounted as high as possible between the chassis frame rails. Pump location TBD at the pre-construction conference.		X	
	325	In addition to the main fire pump, an "auxiliary" fire pump with separate drive engine shall also be provided. The auxiliary pumps shall have a rated capacity of 180 GPM at 100 PSI.		X	

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Fire Pump and Auxiliary Pump (continued)	326	A Darley 1-1/2" AGE, auxiliary fire pump shall be provided for pump and roll operations. No Exceptions. The auxiliary pump shall provide pressure to all 2" discharge valves and the hose reel only and be capable of re-circulating tank water through a line from the discharge side of the pump to the water tank. The by-pass cooler valve shall be mounted to the left pump panel and shall be labeled "Aux Pump Cooler".		X		
	327	Typical minimum pump performance shall be as follows: 180 GPM @ 100 PSI, 150 GPM @ 130 PSI, 80 GPM @ 210 PSI		X		
	328	The pump casing shall be manufactured of hard anodized aluminum alloy with a bronze impeller and wear rings, stainless steel impeller shaft and provided with a self-adjusting mechanical pump seal and drain cock to the pump body. Additionally a 3/8" pump cooler line with one-way check valve to keep the pump cool when not discharging water is required.		X		
	329	The pump and water cooled diesel power unit assembly shall be mounted on a sub-frame on the upper passenger side of the apparatus above the main pump module and in such a manner so as to eliminate vibration while operating and will provide suitable access for performing routine maintenance. The pump and power unit assembly shall be designed so the entire assembly may be easily removed as a unit to gain access to plumbing components below. If a removeable accesses panel is necessary to work on the pump for maintenance such as fuel and oil filters it shall be provided.		X		
	330	A louvered and 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 the removable or swing-away expanded polished diamond plate. Weather stripping shall be installed to covers/doors to reduce vibration.		X		
	331	All auxiliary pump components (e.g. pump, power unit, and bracketing) shall be commercially available - no proprietary or shop made parts will be accepted. No Exception		X		
	332	The auxiliary pump power unit shall be a minimum 26.5 HP 3-cylinder in-line, overhead valve four-cycle, water-cooled Briggs & Stratton diesel engine. The auxiliary pump power unit shall be equipped as follows: Dry element direct mounted air filter, stainless steel air intake ember screen, exhaust system equipped with USDA approved spark arrestor and appropriate heat wrap and shields to protect various components and personnel from high exhaust temperatures. The exhaust system shall be routed vertically above the fire apparatus discharged away from any working surfaces and be manufactured from heavy-duty aluminized steel exhaust pipe to meet the manufacturers' specifications. (OCFA to approve final design)		X		
	333	Auxiliary pump cooling system shall be designed to provide maximum cooling and be approved by the auxiliary engine manufacturer.		X		
	334	Auxiliary pump shall have a spin on automotive type fuel and oil filter that meets the engine manufacturer specification.		X		
	335	Fuel system shall be designed to draw fuel from the apparatus fuel tank through the use of an inline 12-volt automotive electric fuel pump. Pump shall be a Stewart Warner model #235A-D (or OCFA approved alternate).		X		
	336	The fuel tank pick-up tube shall be designed so as to assure the auxiliary engine will not exhaust the fuel supply of the vehicle (minimum 10 gallon reserve). All fuel lines shall be Gates "Mega-Tech" G5TB hose with G25 series "Mega Crimp" fittings or OCFA approved compatible equal.		X		
	337	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.		X		
	338	A 1/2" crankcase oil drain extension line routed below the frame to facilitate oil changes, with Aeroquip style hose, threaded fittings and drain plug.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Fire Pump and Auxiliary Pump (continued)	339	12-Volt electric start		X		
	340	Removal of the auxiliary engine alternator is not acceptable		X		
	341	The Auxiliary pump unit shall be capable of continuous operation while ascending or descending a 36% slope without causing internal engine damage due to lack of oil or oil pressure.		X		
	342	The water delivery system shall be provided with a class-A foam system capable of delivering 500 GPM of finished foam product.		X		
	343	Due to variations in engineering from apparatus manufacturers, all booster tank requirements, i.e. design, sump size and location, inlet and outlet fitting locations and sizes shall be discussed at the pre-construction conference.		X		
	344	All material used in fabricating in water tank(s) and assemblies shall be 10 gauge, 3/16" and 1/4" T-304L stainless steel. No Exceptions		X		
	345	Prior to start of construction, the OCFA must be given a certification from the stainless steel supplier stating that the type of stainless steel being furnished and used is for a water tank.		X		
	346	A 500 gallon booster tank (wet side) shall be fabricated from 10 gauge, T-304L stainless steel complete full height "cross" configuration baffles, lid/cover, 6" overboard square fill tower (with a sealed hinged lid, overflow vent and strainer), direct tank filler valve, pump to tank filler/churn valve, backpack pump filler and dual water level gauges. The tank sides are to be structurally reinforced to ensure a flat surface and to prevent deformities of the main body/tank during off road operations creating excess chassis flexing. The tank shall be mounted to the chassis frame using a 4-point spring mounting system No exception).		X		
	347	The tank lid shall be 10-gauge T304L stainless steel secured with 5/16" stainless steel studs, washers and lock nuts spaced every 3" around the perimeter with an appropriate gasket to ensure a watertight seal.		X		
	348	The tank baffles shall be 10-gauge T304L stainless steel configured in an "X" structural cross pattern secured with 1/2" USS stainless steel bolts, washers and lock nuts. No baffle shall contact the top, bottom or sides of the tank and shall be easily removeable to allow complete tank access to the tank (No Exception)		X		
	349	The water tank design shall have provisions to accept four (4) easily replaceable/removeable 1" anodes. One (1) shall be located in the fill tower area, one (1) in the upper right forward portion of the tank and two (2) located in the aft portion of the tank accessible through the rear compartment wall on the left and right sides. No Exceptions)		X		
	350	A T304L stainless steel bolt-on sump with a punched 10-gauge "bolt" in T304L stainless steel strainer and sand trap shall be provided. Three (3) 2-1/2" NPT outlets shall be provided in the tank sump, one shall be located above the strainer and two below the strainer. One of the lower outlets shall be utilized for the auxiliary pump suction outlet. The two (2) remaining 2-1/2" outlets shall be plugged with stainless steel pipe plugs. A 3" NPT outlet shall be provided in the forward side of the tank sump and shall be utilized for the main pump suction line. The outlets shall be stainless steel bungs welded to the sump.		X		
	351	The sump shall be located as close to the center of the tank floor as the chassis cross members, differential and driveline will allow. The minimum sump capacity shall be approximately 1 cu ft. The sump shall be attached to the tank floor with 5/16" stainless steel studs, washers and lock nuts, spaced as necessary along with appropriate gasket material to ensure a watertight seal.		X		
	352	Provisions shall be made for the necessary overflow and venting of the booster tank that meet all current NFPA requirements. The overflow vent tube and attaching hardware shall be stainless steel and be of the appropriate size to allow proper venting of the tank.		X		

SECTION		Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Fire Pump and Auxiliary Pump (continued)	353	The vent/overflow shall be designed to allow excess overflow to be directed aft of the rear axle through the appropriate rubber hose. (No Exception)		X	
	354	A T304L stainless steel overboard fill tower, hinged lid with latch and strainer shall be provided and located as close to the front center of the booster tank as possible. The fill tower strainer and lid shall be bolted in place using 5/16" USS stainless steel bolts, washers and lock nuts evenly spaced and using the appropriate gasket material to ensure a water-tight seal. A hinged access door shall be properly labeled and provided on the hose be cover with a quick release thumb latch device.		X	
	355	The entire tank floor shall be fabricated from 3/16" T304L stainless steel.		X	
	356	The rear wheel wells will be incorporated into the tank and designed with a minimum of 8" rear tire clearance in a loaded condition to assure adequate clearance. The wheel wells will be fabricated from 1/4" T304L stainless steel single plate laminate roll.		X	
	357	Particular attention should be directed to the method of tank/body to chassis mounting, i.e., 6" wide, 10 gauge stainless steel strips welded to the exterior of the tank floor to secure a "Permaslat" 60-shore rubber cushion between the tank/main body and the chassis frame rails.		X	
	358	Due to the severe loading requirements and rigors of off road operations the entire tank/body assembly shall be mounted to the truck chassis using four (4) each spring-loaded shock assemblies that will provide 12" of body to frame diagonal flex.		X	
	359	The body-mount bolts washers and nylon lock nuts shall be 1/2" SAE Grade 8.		X	
	360	The mounting bolts shall be long enough to provide the required amount of diagonal body flex, be cross drilled and a cotter pin installed for lock nut security.		X	
	361	The springs shall be chrome vanadium die springs, red, MDH 4" free length, rated 60 lbs. per 1/8" compression. (Ref: Eholm Corp., Hayward, CA.)		X	
	362	The spring and mounting bolt shall be connected between the frame and body with a stainless steel mount assembly that assures proper body to frame alignment during severe off road operations.		X	
	363	The mounts shall be secured with 1/2" SAE Grade 8 Bolts, washers, and nylon lock nuts to the chassis frame rails and shall be welded to the tank/body assembly.		X	
	364	The procedures for testing the apparatus diagonal flex shall be conducted by raising opposite corners of the apparatus frame 12" and measured at the opposite, front and rear axles.		X	
	365	The tank and primary body structure shall be warrantied against leaks, defects in materials and/or workmanship and structural failure for a period of 20 years commencing with the in service date of the apparatus. A full warranty statement shall be included with the bid proposal.		X	
	366	The pump panel/auxiliary pump module sub frame shall be a self-supported structure mounted independently from the main body and apparatus cab. The design must allow for the required frame deflection without imposing stress on the pump panel structure or side running boards. The module shall be a welded frame utilizing structural steel components properly braced to withstand the rigors of off road operations. No Exceptions		X	
Pump Panels	367	The pump operators control panel shall be located on the driver's side of the apparatus and feature a full width vertically hinged gauge access panel.		X	

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Pump Panels (continued)	368	Both side pump panels shall be designed to be easily removeable (or hinged) for easy access and servicing of valves, plumbing or related pump components.		X		
	369	Both panels shall be fabricated of 14 gauge stainless steel with a #4B brushed finish.		X		
	370	Both pump panels shall have an 8" deep, full width running board, manufactured of aluminum, galvanized steel, or stainless steel grip strut.		X		
	371	The left pump panel size shall be approximately 28" wide 53-1/2" tall. The right side pump panel shall be designed so as to maximize storage compartment space. Actual size and layout of pump panel shall be determined at pre-construction meeting and approved by OCFA		X		
	372	Pump panel trim plates fabricated from 14 gauge T304L polished stainless steel shall be provided around each discharge and suction intake valves and control handles. The trim plates shall be designed to allow accessibility to the respective valve for service and repairs.		X		
Pump Panel Gauges	373	The following gauges shall be VDO, Stewart Warner, or DATCON and have no builder "logos" on the gauge face (No Exception) and be mounted on the hinged gauge access panel of the pump operators panel. Engine Tachometer, Engine Oil Pressure, Engine Water Temperature, Transmission Temperature, Fuel Level, Engine and transmission computer warning lights and buzzer. All gauges shall be identified as to their function and be of one brand and style.		X		
	374	Warning and Truck-Lite model/series 33 used to convey information shall be constructed to prevent sunlight from making them appear illuminated or extinguished when the opposite true.		X		
	375	The following pump gauges, controls, and instruments shall be mounted on the pump operator's panel: Pressure Gauges - Pump Compound and Pump (Master) pressure gauge shall be an Ash Croft duralife, dry gauge, weatherproof, with plus performance option, stainless steel industrial grade series with a 5" white face with black numbers (-30 PSI to 600 PSI) Model #50-1009AW-02B030/0/600#-XLL-UC-VH. (No Exception). They shall be mounted on the pump operator's panel.		X		
	376	One (1) Ash Croft duralife, dry gauge, weatherproof, with Plus Performance option, stainless steel industrial grade series with a 3" white face shall be mounted inside the cab within clear view of the vehicle operator's position and shall be properly labeled as to function (location TBD at pre-construction) Model #30-1009AW-02B030/0/600#-XLL-UC-VH		X		
	377	Six (6) individual discharge gauges shall be Ash Croft duralife, dry gauge, weatherproof, with performance plus option, stainless steel industrial grade series with a 4" white face with black numbers (-30 PSI to 600 PSI) model #40-1009AW-02B030/0/600#-XLL-UC-VH (No Exception)		X		
	378	Two (2) auxiliary pump pressure gauges shall be installed as follows: One (1) gauge shall be a mounted on the pumper operator's panel and shall be an Ash Croft duralife, dry gauge, weatherproof, with performance plus option, stainless steel industrial grade series with a 4" white face with black numbers (-30 PSI to 600 PSI) model #40-1009AW-02B030/0/600#-XLL-UC-VH.		X		
	379	One (1) gauge shall be mounted inside the cab within clear view of the vehicle operator's position and shall be properly labeled as to function. Gauge shall be an Ash Croft duralife, dry gauge, weatherproof, with performance plus option, stainless steel industrial grade series with a 3" white face and black numbers (location TBD) Model #30-1009AW-02B030/0/600#-XLL-UC-VH. (No Exception).		X		
	380	All gauges and controls for the auxiliary pump shall be co-located for ease of use. Exactly locations TBD at pre-con or mid-con.		X		
	381	All main and auxiliary pump pressure gauges shall be plumbed with Aeroquip hose (or equal) with re-usable stainless steel fittings and swivels at both ends.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Pump Panel Controls	382	Pressure governor control head		X		
	383	Tank to Pump control (air) with open and closed lights		X		
	384	Tank fill control		X		
	385	Pump priming device control		X		
	386	Foam line pressure release and drain valve		X		
	387	Pump drain		X		
	388	Auxiliary cooling control(s)		X		
	389	Two (2) Class 1 "Intelli-Tank" LED water level gauges shall be provided. One (1) full sized mounted on the driver side pump operator's panel and one (1) rocker switch sized shall be remote mounted on the dash or near the cab mounted auxiliary pump pressure gauge. (Exact location TBD at Pre-construction meeting). Shall have 1/4 turn valves mounted at the tank so the sensors can be serviced.		X		
	390	Class-A Foam system remote refill controls		X		
	391	Air Horn activation button (momentary) marked "AIR HORN" (white letters on red background).		X		
	392	A 1/4" female air hose outlet. Two (2) Tomco PT-400 and one (1) Tomco PT-41 with a 25" coiled air hose shall be provided on the pump panel with a quarter turn on/off valve. This connection is to be plumbed from the air storage reservoir tank.		X		
	393	The manufacturer shall install one (1) two (2) Electro Voice model EVI-MIS-8C, back mounted external pump panel speakers. The panel that the speaker is mounted to shall be perforated/punched, to allow the audio produced in the speaker to be heard. Exact location to be determined. Install 3 pair (6 wires total) of 16-gauge shielded speaker wire from the passenger side overhead panel (officer seating position) to the driver side pump panel speaker. Two feet (2') of spare wire shall be provided at the pump panel end. Wire shall be clearly labeled "radio selector switch 1, 2, 3" at each end. One (1) 1/2" hole and Two (2) 3/8" holes shall be provided in close proximity to the speaker, for speaker components (Final layout and labels TBD at pre-construction meeting)		X		
	394	U.L. approved vacuum and pressure test ports shall be installed on the left pump operator's panel for NFPA fire pump performance testing.		X		
Pump Controls and Labeling	395	Control handles shall have a non-slip grip without sharp edges or corners.		X		

SECTION		Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Pump Controls and Labeling (continued)	396	All displays, controls, valves, and gauges shall be labeled and color-coded as follows: all 1-1/2" discharges, drains, foam fill, foam tank fill, foam direct fill "on", foam pump flush shall be red. Right side 2-1/2" discharge, drain shall be white. Left side 2-1/2" discharge, drain shall be yellow. Right and left side 2-1/2" suction, drains, pump intake, tank to pump, open, closed, 4" suction shall be brown. Heat exchanger, pump cooler, push to prime, panel lights shall be blue. Back pack filler, air outlet(s), rpm counter, aux pump cooler, transfer valve, pressure, volume, speaker no. 1, speaker no. 2, aux pump pressure, hose bed lights intercom jack, low voltage warning, tank fill, pressure, 2-1/2" direct tank ill, aux pump temp, aux pump on, aux pump oil pressure, aux pump start and stop, aux pump throttle shall be black.		X	
	397	Control labeling shall indicate both the device controlled and the effect of control movement (i.e. "auxiliary suction" and "open/closed").		X	
	398	Labels shall whenever possible be place below the displays and controls which they describe. Labels shall be located where they cannot be obscured by controls.		X	
	399	Labels shall be securely attached with screws, have high contrast, and not be obscured by wear, grease, grime or dirt. "Stick on" tags will not be accepted except those that are flush mounted within a "T" style grip handle. No Exception		X	
Pump Panel Lighting and Indicators	400	Pump Panel Illumination shall be provided for both driver and passenger side pump panels in order to read displays and use controls. The lights shall be operated by a control switch located on the driver's side pump panel. One panel on each pump panel shall self-illuminate when the main pump is engaged and also be controlled by the pump panel switch.		X	
	401	There shall be two (2) evenly spaced light fixtures for each pump panel area. Lights shall be AMDOR H20 luma bar LED strip lighting, clear in color and on steady burn pattern. Panel lights shall be shielded to prevent glare to the pump operator. Glare shall be controlled by the use of stainless steel shields.		X	
	402	The main fire pump shift control shall be mounted in the cab and identified as "PTO PUMP ENGAGE" and shall include a permanently inscribed pump shift instruction I.D. plate. The pump shift control 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 that meets all requirements of NFPA 1901 and 1906, latest edition.		X	
	403	Passenger side pump panel shall be made to accommodate the discharges and intakes as stated in this specification, but arranged as to maximize compartment space surrounding it. Final design to be approved at Pre-construction meeting.		X	
Main Pump Governor and Control	404	The main pump throttle shall be controlled by an FRC "Pump Boss" electronic pressure governor located on the left pump operator's panel. The main pump will not be used for mobile pumping operations.		X	
	405	An auxiliary pump control panel and a pressure gauge shall be provided inside the apparatus cab located in an area readily accessible to the vehicle operator. A second set of controls and pressure gauges shall be located on the main pump panel outside.		X	
	406	The auxiliary pump engine control switches shall be marine grade weather-proof toggle type switches. Key type ignition switches are unacceptable. The apparatus electrical system (master battery switch) shall provide the power for the operation of the auxiliary pump assembly.		X	
	407	The wiring for the auxiliary pump assembly shall be run in a separate loom isolated from the main apparatus wire loom.		X	
	408	The pump engine ignition circuit shall be wired so that the pump may be started or stopped from either control panel without regard to the position of the same switch at the other location. The mounting locations for the pump controls and pressure gauge(s) shall be discussed during the pre-construction conference.		X	
Auxiliary Pump Controls	409	The in-cab and the pump panel controls for the auxiliary pump shall consist of the following:		X	

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Auxiliary Pump Controls (continued)	410	Twist type (vernier) adjustable throttle controls on both pump panels (lockable type). Electronic throttle controls will not be accepted.		X		
	411	Ignition and shutdown switch		X		
	412	Ignition "on" (running) panel light green in color		X		
	413	Starter button		X		
	414	Low oil pressure indicator lamp		X		
	415	Coolant overheat indicator lamp		X		
	416	Pump pressure gauges, shall be located in the cab and on the pump panel location TBD at pre-construction		X		
	417	Center console panel lights shall be controlled by a rheostat switch, for safety during night driving/windshield glare.		X		
	418	Glow plugs (if necessary) shall be automatically controlled by the ignition switch		X		
	419	Remote Foam Pro control on/off switch located in the cab at pump controls.		X		
PTO Pump Shift	420	The exact mounting locations of the pump shift controls shall be discussed at the pre-construction meeting.		X		
Pump Plumbing	421	Final pump panel and in-cab console control layouts must be approved by the OCFA prior to construction. Proposed layouts shall be reviewed at the pre-construction conference.		X		
	422	Victaulic plumbing connections shall be utilized where vibration or chassis flexing may damage or loosen plumbing exits the pump enclosure. Victaulic couplings shall also be installed as required for component removal and maintenance operations.		X		
	423	All rigid plumbing shall be schedule 10, welded T304L stainless steel. The manifolds shall be designed with Victaulic couplings to facilitate manifold/pump or valve removal and shall also meet all NFPA pressure requirements. In order to minimize friction loss, sweep type elbows shall be utilized. No Exception		X		
	424	All flexible discharge lines other than in the suction plumbing shall be Aeroquip or Mega-Tech Hose with a minimum of 300 PSI working pressure and 1200 PSI burst pressure, and shall include full flow stainless steel couplings/fittings.		X		
	425	All plumbing for the 2" discharge valves shall be 2" pipe except for the front discharges, which can be synthetic hose equal to 2" pipe. The plumbing between the two (2) front discharge valves shall be T304L stainless steel pipe. The plumbing for the 2-1/2" intake and discharge valves shall be 3".		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Pump Plumbing (continued)	426	All plumbing must meet the current requirements of NFPA 1901 and 1906.		X		
	427	Full flow stainless steel one-way check valves shall be provided to isolate the auxiliary and main pump discharge pressure from each other.		X		
	428	All 1" and larger in-line suction and discharge valves shall be Elkhart full flow, quarter turn, drop-out style ball valves with <u>stainless steel ball</u> .	X			AKRON VALVES PROVIDED
	429	All valves shall be controlled at the valve except where noted and must be appropriately labeled as to their size and function (e.g. Suction, Discharge, Direct Tank Fill, etc.)		X		
	430	The use of locking, remote push-pull T-handle controls and linkage may be necessary to controls specific valves. If control rod extensions are required they shall be 1/2" stainless steel with 1/2"-20 SAE threads.		X		
	431	All valve end caps or adapters shall be chrome plated brass and of the same manufacturer as the valves. Add-on reducers or adapters of another manufacturer are not acceptable <u>unless otherwise specified</u>		X		
	432	The shutoff positions of the handles are to be 90° to the flow of water. If not 90°, the handle position needs to be labeled "open" and "closed".		X		
	433	All exposed valves shall be painted body color with chrome-plated handles. All discharge outlets, the 2" rear pre-connect and direct tank fill valves shall have 30° chrome plated swivel discharge and suction elbows.		X		
	434	Suction valve inlets, discharge valve outlets or their control features shall not extend beyond the exterior of the body sides of the apparatus.		X		
	435	One (1) 4" pump suction inlet, male NM threads with a removeable zinc screen and chrome long handle cap located on the left pump operator's panel shall be provided. One (1) manual/crank (top-mount) controlled Task Force Tips model ABS8NP-NX-PS ball valve with adapter, water and air drains shall be provided. Ensure that inlet does not protrude past the body. (NO EXCEPTION)		X		
	436	Two (2) gated full flow suction inlet, quarter turn full flow ball valves and twist lock handles shall be provided. The valves shall have 2-1/2" NST threads with female swivels, chrome plated plugs and removable screens. One (1) each shall be located on the left and right pump panels. Both 2-1/2" gated inlet valves shall be recess mounted behind the pump panels. Chrome 30° inlets with 2-1/2" NST female swivels and double males with caps shall be provided.		X		
	437	One (1) 3" tank to main pump line shall have an Elkhart 3" 1/4" turn, full flow ball valve. The tank suction valve shall be air controlled and assure positive opening and closing of the valve. The controls shall be located on the left pump operator's panel, be labeled "Tank to Pump". A 3" stainless steel one-way, full flow check valve shall be provided in the tank suction line to prevent backflow to the tank.		X		
	438	The plumbing between the tank, the tank suction valve and the main pump intake shall be Gates 4864CF Series 4" ID flexible wire reinforced suction hose (or equal). The hose must have the same I.D. as the O.D. of the pipe nipples and be attached with Dixon series "King" plated malleable clamps. The pipe nipples must be aligned toward each other to provide hose-to-nipple concentricity for a minimum of 2" past the end of each nipple.		X		
	439	The use of rubber hump hose - a schedule 10 Stainless steel manifold with breeze stainless steel constant tension band clamps shall be provided.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Pump Plumbing (continued)	440	A tank filler shall be provide from the discharge side of the pump and plumbed to the top of the tank. The plumbing shall be 1-1/2" with a 1-1/2" one quarter turn full flow ball valve, and be controlled at the driver's side pump panel by a twist lock push/pull T-handle and linkage. Manufacturer will ensure that tank filler will not cause pump cavitation when in the fully open position.		X		
	441	A direct tank filler valve shall be provided and plumbed to the upper right rear of the tank. The plumbing shall be 2-1/2" with a 2"self-locking, one quarter turn full flow ball valve, controlled at the valve with a twist lock handle complete either chrome plated 2-1/2" NST female swivel with strainer screen and plug. The valve shall be exterior mounted. The plumbing may be routed along the hose bed floor but shall not protrude any higher than the hose bed slats, thus creating a flat hose bed floor. Alternatively, the plumbing may be routed directly to the upper left rear of the tank, but not through any compartment.		X		
Discharges	442	Two (2) 2-1/2" one quarter turn full flow ball valves with twist lock handles shall be provided. Both discharge valves shall have 2-1/2" NST male threads with chrome 30° outlets with female to 1-1/2" male with chrome cap. One (1) each shall be located on the left and right side pump panels.		X		
	443	Two (2) 2" one quarter turn full flow ball valves controlled at the valve shall be provided with 1-1/2" NST male thread chrome adapters and chrome caps. One (1) each side of the vehicle on the pump panels.		X		
	444	One (1) 2" discharge with a 2" one quarter turn full flow ball valve shall be provided for the cross-lay hose bed. The discharge shall terminate in a Chicksan type swivel with 1-1/2" NST male threads centered in the cross-lay bed. The valve shall be controlled at the left pump panel by a locking push/pull T-handle and linkage located at the driver side pump panel.		X		
	445	One (1) 2" one quarter turn full flow ball valve with twist lock handle shall be provided with a 2" NPT by 2-1/2" NH male thread adapter. The valve shall be exterior mounted below the right rear preconnected hose tray and be controlled at the valve body. The 2" plumbing shall be routed along the hose bed floor and shall not protrude any higher than the hose bed slats, thus creating a flat hose bed floor. Alternatively, the 2" plumbing may be routed through the water tank via a sleeve in the booster tank, but not through any compartment.		X		
	446	Two (2) 2" one quarter turn full flow ball valves with twist lock handles and 90° chrome swivels with 1-1/2" NST male thread chrome adapters and chrome caps shall be provided. As described below for front bumper discharges.		X		
	447	The valve for the driver's side front bumper hose tray shall be located on the left side of the front bumper outboard of the frame rail, be vertically mounted behind the bumper and controlled at the valve.		X		
	448	The valve for the passenger side hose tray shall be located outboard of the frame rail, be vertically mounted behind the bumper and controlled at the valve.		X		
	449	The discharge swivel locations shall provide adequate clearance for the use of a 1-1/2" gate wye and be designed so as not to interfere with the opening and closing of the hood. The swivels shall feature six (6) stops (stainless steel rods) to prevent them from rotating 360° and impacting the hood, locations TBD.		X		
Hose Reel	450	One (1) Hannay stainless steel hose reel with 150' of 3/4" hardline hose shall be provided, mounted at the rear of the apparatus under the rear compartment. Hose shall be three (3) sections of 3/4" x 50' with 1" NPSH threads.		X		
	451	CDF-type brakes, a 2/3rd HP/IMP high torque rewind motor, with 70 amp circuit protection and constant duty relay with rewind button (Cole Hersee #M-608) shall also be provided. The reel rewind button shall be located at the left rear of the vehicle and be labeled "Hose Reel Rewind".		X		
	452	A 1" one-quarter turn , full flow ball valve with handle and a stainless steel hub assembly (manifold) with 1" NPSH hose fittings shall be provided.		X		
	453	A recessed 4-roller fairlead shall be provided below the rear compartment door with a kick-plate. A 3/8" steel skid plate/box shall be provided around the hose reel for protection during off-road operations.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Hose Reel (continued)	454	The entire hose reel assembly shall be easily accessible for service/repair, and have removeable cleanout plug(s). An access panel large enough to accommodate a hose reel motor replacement shall be designed. Preventative maintenance of all greaseable fittings shall be accessible or remote grease location shall be provided.		X		
Backpack Pump Filler	455	One (1) 3/4" quarter-turn ball valve with chrome T-handle shall be supplied and labeled "Back Pump Filler". The valve shall be installed on the left lower driver's side for the pump panel with the discharge hose terminating at the outside of the apparatus body. The valve plumbing shall be 3/4" I.D. Aeroquip type hose with swivel fittings properly routed and clamped from the tank sump to the filler valve.		X		
Check Valve	456	Stainless steel spring loaded full flow one way check valves are required to isolate the auxiliary and main pump pressure from each other and to ensure that the auxiliary pump does not lose prime. The pump suction line shall have a 3" brass or stainless steel full flow check valve to prevent back flow to the booster tank.		X		
Drain Valves	457	Brass, 1/4" quarter turn ball valve drains with chrome T-handles shall be provided on all discharge and suction valves. Mounting should be done in a way as to prevent damage from brush, limbs or other items when driving off-road.		X		
	458	The drain valves shall have 1/4" NPT female inlets and outlets, 1/4" I.D. Aeroquip hose (or equal) with threaded fittings that shall connect the suction and discharge valves to the drain valve inlets and neoprene discharge drain hose from the valve outlets for discharging water onto the ground. The drain hoses shall be properly clamped and routed below the running boards of the apparatus.		X		
	459	All drain valves shall be located on the lower side of their respective pump panels and labeled as to their function. Additional petcock type drains may be necessary to completely drain the pump housings.		X		
	460	A 1 1/2" drain valve shall be provided in the tank sump for flushing of the booster tank. The drain shall be easily accessible and plumbed so that it drains away from suspension and under components under the chassis.		X		
	461	A brass manual master drain valve shall be provided to drain the main and auxiliary pump plumbing and pump housings. The master drain valve shall be located on the lower side of the left pump panel.		X		
Auxiliary Pump Plumbing	462	The auxiliary pump shall be plumbed in common with the main pump and shall only provide discharge pressure and foam concentrate to all 1" and 2" discharge valves. Plumbing between the tank sump or main manifold and the auxiliary pump suction eye shall be 2" schedule 10 stainless steel with Victaulic couplings, Gates 4684CF 2" flexible wire reinforced suction hose (or equal) with threaded fittings or a combination of both.		X		
	463	A 2" one-way full flow check valve shall be installed in the auxiliary pump suction hose as close to the tank sump as possible to ensure that the auxiliary pump remains primed at all times. It is acceptable to provide flexible Aeroquip brand hi-pressure hose when connecting the main discharge of the auxiliary pump to the main plumbing manifold.		X		
Foam Proportioner System	464	A Foam Pro model 2001 direct injection foam proportioning system shall be provided and installed as per the manufacturer's installation guidelines. No exception.		X		
	465	The system shall be plumbed to provide class-A foam concentrate to all 2" discharge valves, front bumper discharges, left/right 1 1/2" discharges, the rear discharge and the hose reel only while operating either the main or auxiliary fire pumps (no foam to right/left pump panel 2 1/2" discharges).		X		
	466	The foam pump operating controls shall be located on the left pump panel, with remote on/off switch mounted in the cab on the center console.		X		
	467	The foam pump shall be 12 volt, 1/3rd hp with a rated capacity of 1.7 gpm at 200 psi and a maximum operating pressure of 400 psi.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	468	Must maintain accurate proportion and injection rate over a water discharge range of 5 to 250 psi.		X		
Foam Proportioner System (continued)	469	All fittings and connections shall be stainless steel or brass.		X		
	470	All hose shall be high pressure hydraulic. (Aeroquip or equal)		X		
	471	The wiring harness, pump switches and controls and etc. shall be sealed and protected from contaminants.		X		
	472	Capable of continuous operation in wet and dusty environments.		X		
	473	Proportioning rate shall be adjustable from 0.1% to 3.0%.		X		
	474	Electronic flow sensing and controls.		X		
	475	A 2" full flow, high pressure 400 psi, spring closing check valve shall be installed upstream of the injection port to prevent foam from back filling into the pump or plumbing.		X		
	476	A manual drain valve shall be provided at the lowest point of the concentrate storage tank. The drain line shall be piped to drain directly beneath the apparatus without contacting any part of the apparatus or components.		X		
	477	A strainer shall be installed in the foam concentrate supply line between the foam concentrate tank and the foam pump.		X		
	478	A green "foam pump on" indicator light shall be installed near the foam pump control panel.		X		
	479	For firefighter safety an ASCO valve, part # 8262G1-12V D/C (or equal) and Solid State Advanced Controls, SSAC part # TDI 12D (or equal), (1-1023 seconds) shall be installed in the 2" discharge manifold after the foam system check valve to discharge trapped manifold water pressure upon pump shut down. No Exception		X		
Foam Concentrate Tank	480	A 20-gallon capacity foam concentrate tank shall be provided. The foam tank shall be T-304 L welded stainless steel or incorporated into the Poly-Tank, with a 4" overboard tank filler and have a 3/16" mesh filler screen of stainless or poly recessed 4" to 6" to allow overboard filling without backsplash.		X		
	481	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, Two (2) visual sight gauges (described elsewhere), an easily accessible brass or stainless steel ¼ turn drain valves 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.		X		
	482	The foam tank shall be a tank-in-tank design. 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. The float switch shall be protected from movement (isolated).		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	483	One (1) 1" or 3/4" brass or stainless steel ¼ turn foam tank drain valve and hose shall be provided to completely drain and flush the foam tank. The valve shall be located in an area that provides protection from inadvertent opening of the valve yet allows easy access for servicing and be labeled "Foam Tank Drain". The drain hose (Aeroquip or equal) shall terminate below the pump panel and have brass or stainless steel swivel fittings at the drain valve to facilitate valve removal.		X		
Foam Transfer System	484	A Foam Pro "power-fill" foam transfer and refill foam system shall be provided, incorporate a pre-plumbed transfer system that enables the operator to re-fill the on-board foam tank from ground level with "class A" foam. The transfer system pump shall be controlled by a guarded, momentary switch and all controls shall be properly labeled and mounted on the left pump operator's panel. The system shall include a 6 foot quick disconnect filler hose with stainless steel or brass fittings and debris screen. A brass quick connect cam cap shall be provided on filler port.		X		
	485	The transfer pump shall be 12 volt, minimum of 5 gpm with auto shut-off switch and a pump-on indicator light. All materials must be compatible with FSF and AFFF fire fighting chemicals that require 1.0% or less foam concentrate.		X		
	486	The pump, wiring harness, all switches and controls shall be sealed and capable of operating in wet or dusty environments at temperatures from 0° to 200°. All hoses shall be Aeroquip type with stainless steel or brass fittings. Barbed fittings or automotive style hose clamps will not be accepted. No Exception		X		
	487	The foam concentrate fill line shall be a separate line and not plumbed into the foam pump supply line.		X		
	488	General Requirements: Added to the basic chassis lighting complement shall be the lights and components listed below. Wherever applicable, the lights and/or sub-assemblies shall be selected for maximum degree of interchangeability and commonality.		X		
Electrical System	489	All lights shall be provided and installed with backing plates where necessary, wired, protected, flashed and switched as per the job description.		X		
	490	All emergency lights shall be California Vehicle Code and NFPA 1901 approved type.		X		
	491	All marker, step, clearance, turn signal headlights, brake lights, etc. must meet FMVSS and California Vehicle Code requirements.		X		
	492	All lights shall be LED.		X		
	493	The vehicle wiring shall be a cross-link polyethylene harness that meets SAE J1128 type SXL, function coded every 3 inches and of a gauge that is rated to carry 125% of the maximum current for which the circuit is projected. Additionally, the entire vehicle electrical system shall be incorporated into the multi-plex system including all switches and controls. RPM settings for multiplexing system shall be provided.		X		
	494	All wiring shall be loomed, and routed the maximum distance possible away from high heat sources, and properly clamped to the body or frame members to preclude chafing on other components. Only insulated metal clamps are acceptable for this service, adhesive backed clamps are not acceptable. Where holes are cut and/or drilled for wiring, such holes will have the edges smoothed and grommets installed. These holes shall be sealed to prevent dust, smoke and moisture from entering the cab and body after wiring is installed. All split loom material shall be high temperature type with a rating of - 40° to 300° Fahrenheit.		X		
	495	All wiring looms, electrical components, interior or exterior lighting components located within compartments or apparatus cab must be protected from internal load damage with removable aluminum covers.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	496	The apparatus wiring shall be installed per the vendor supplied wiring schematic.		X		
Electrical System (continued)	497	The battery cables shall be sized to match the OEM cables with crimped terminals, high temp loom and heat shrink tubing (insulation) installed to protect terminal ends. The batteries shall be connected in parallel with red shrink tubing protecting the positive terminals and a black shrink tubing protecting the negative terminals. The crimp area and cable shall be sealed with heat shrink tubing to protect it from moisture and strain relief. The high temp loom will also be heat shrunk to the cable and lug and each lug will be labeled with the function using P-touch type label or equal and covered with clear heat shrink tubing for protection. Soldered terminal and connectors are not acceptable. Any batteries added shall be grounded to the truck frame at the same point as the OEM batteries.		X		
	498	If OEM chassis supplied features multiplex wiring body circuits, these circuits shall be interfaced with the body and pump module circuitry. The apparatus builder shall have the capability to perform service on the manufactures multiplex system.		X		
	499	Two (2) spare un-terminated circuits with spare wiring shall be provided. One circuit shall be 12-Volt battery switched with a 20-amp manual reset circuit breaker and the other shall be a 12-Volt ignition/ACC switch controlled circuit with a 20-amp manual reset circuit breaker. The wiring shall be labeled with their function, coiled and located within the center console with sufficient wire length to reach both ends of the communications cabinet located behind the rear seats.		X		
	500	All terminal strips shall have protective covers. All wiring to be labeled and labels to have clear heat shrink applied over the label.		X		
	501	All electrical load management shall be achieved through the OEM supplied Multi-plex system. The electrical system shut down priority system shall be as follows: Air conditioning, upper zone emergency lights, compartment lights, and then work lights.		X		
	502	Deutsch connectors shall be provided with water-tight seals on individual harnesses to allow for the main body, pump panel or various components to be easily removed from the truck chassis. Access to the pump panel Deutsch connectors shall be behind the swing-a-way gauge panel. Any additional terminal strips must be a weather-proof style. Crimped butt connectors are not acceptable		X		
	503	Only Cole Hersee Marine grade weather-proof constant duty solenoids, relays, circuit breakers, door switches and heavy duty toggle switches (or OCFA approved equal) with screw terminals will be acceptable. The body compartments shall have heavy duty magnetic switches.		X		
	504	All switches shall meet immersion protection standards, IP65, (dust-proof and protected from splashes and low pressure jets).		X		
	505	The alternator, batteries, starting devices and ignition shall be of a moisture resistance type and mounted so that access and protection from excessive heat is taken into consideration.		X		
	506	An OEM ground will be installed from the "tank/body" assembly to the truck frame. This ground will be a cable or strap equal to the OEM ground.		X		
	507	All electrical circuit wiring shall be made with standard conductors of a carrying capacity commensurate with the anticipated minimum circuit loading. Insulation shall be in accordance with or superior to the recommended standards of the Society of Automotive Engineers for such loading at the potential employed. Overall covering of conductors and connections shall be of a moisture resistance type.		X		
	508	Thermal circuit breakers shall be installed for overload protection with automatic reset. Each circuit breaker shall be removable without removing brackets, buss bar or other breakers.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	509	Circuits shall be provided with suitable overload protective devices. Such devices shall be readily accessible and protected against excessive heat, physical injury, and water spray.		X		
Electrical System (continued)	510	No chassis paint shall be applied to any wiring or electrical device.		X		
	511	All wires shall be color and function coded throughout their length for identification. Any wiring or cables that are not function coded shall be clearly labeled at each end as to their function. The label must be legible, printed and covered with clear polyolefin heat shrink tubing or OCFA approved equal. Any printed label applied by the builder shall be covered with clear polyolefin heat shrink tubing.		X		
	512	All chassis wire shall be a minimum 14 gauge stranded copper per SAE, type SXL cross linked high temperature insulation.		X		
	513	All terminals shall have a tinned finish and have core crimp and insulation crimp. All large terminals that have no insulation crimp shall have dual wall polyolefin heat shrink with sealant applied to relieve strain and seal the core crimp.		X		
	514	All junction blocks shall be a minimum #10 study type.		X		
	515	The alternator shall be a Leece-Neville brand with a 320-amp rating, or maximum available amperage rating option. Alternator shall have an idler-pulley belt tensioning provision. A slotted arm design will not be accepted.		X		
	516	Increased alternator output at idle for Fire Service Truck Applications. To include optional Fire Truck Alternator pulley.		X		
	517	Heavy Duty OEM wiring harness that provides separate stop/turn configuration that terminates at the end of the frame rails.		X		
	518	Batteries: A five (5) battery system shall be provided and designed to be protected from physical damage, water spray, and engine exhaust heat. In addition, the batteries shall be mounted in such a manner as to be readily accessible and removable for servicing. Note: OEM locations are acceptable provided they are on a slide out tray. Batteries can be mounted in two separate locations.		X		
	519	Provisions shall be made for the installation of two (2) additional batteries which are isolated from the starting system and used for communication purposes only.		X		
	520	All necessary wiring and connections for five (5) Odyssey model PC-2150 group 31 batteries shall be provided. This is to include one (1) battery "charge" line form the vehicle alternator and a suitable "frame" ground located near the battery box. The five (5) batteries with dual path 2-0 welding cables with soldered terminals to starting system and starter. Battery location(s) and electrical isolation methods to be determined at pre-construction meeting.		X		
	521	Communication batteries will be isolated using one (1) blue sea model 7622.		X		
	522	Switch 2146 remote control cordura switch shall be installed in the cab (final location TBD at Pre-Con meeting).		X		
	523	All wiring harnesses for all battery wiring shall be "pre-manufactured" Julian Electric brand (exact model TBD).		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	524	Batteries shall be isolated from all electrical circuits in accordance with the latest NFPA 1901 recommendations. Three (3) of the five (5) batteries shall be wired in parallel for the vehicle chassis electrical needs. Two (2) of the five batteries shall be isolated from the chassis electrical system for communication equipment needs.		X		
Electrical System (continued)	525	Batteries shall be labeled with a permanent, durable label at both ends as follows: VEH - 1, VEH - 2, VEH - 3, COMM AUX, COMM AUX.		X		
	526	The following wiring from the batteries shall be provided: Three (3) red 2-gauge battery power/charge lines shall be provided and installed as follows: Each cable shall terminate with one (1) Cooper Bussmann #CB187-150 circuit breaker		X		
	527	Circuit breaker shall be installed in close proximity to the batteries. Shall not be installed as to hinder changing batteries.		X		
	528	Each lone shall then be connected to the positive (+) terminal extension lug of the following: interconnected chassis batteries, isolated radio battery and the isolated MDC battery. Each cable shall be clearly labeled as described above with durable, permanent labeling.		X		
	529	One (1) black 2-gauge ground cable shall be run from the battery system to the vehicle frame grounding stud. Cable shall be labeled as described above.		X		
	530	All cables shall be routed from the battery tray(s) area into the communications cabinet located behind the rear seats, proceed through the center cable chase and end at the front of the communication console with three feet of coiled cable for termination of additional components by OCFA.		X		
	531	Two (2) Blue Sea 7532P12 battery chargers with temp sensor (40 amp). Shall have Two (2) Blue Sea 7520 remote displays location TBD at Pre-construction meeting .		X		
	532	One charger to supply vehicle batteries. Second charger to supply aux batteries. All chargers and cabling to be installed per manufacturer recommendation. A minimum of 4-gauge cables shall be used from the outputs of each charger to the positive (+) terminal of each battery. Charge lines will be terminated on the extension lug of each battery. Three (3) Cooper Bussmann #CB187-60 circuit breaker shall be mounted in close proximity to the batteries they supply without limiting access to service the batteries.		X		
	533	One (1) recessed 15/20-amp, 3-prong male shore power electrical connection with weatherproof cover (Hubbell, bright yellow) shall be provided at the driver's side of the vehicle. The connection shall provide power to two (2) 3-prong industrial grade duplex outlets, one mounted in or near each side of the rear communications cabinet. The battery chargers described above shall be connected to the driver side outlet using a builder supplied 3-prong male pig-tail. Final location of outlets, shore power, and chargers TBD during pre-construction.		X		
	534	Builder shall provide five (5) Blue Sea 4353 BelowDeck Panels mounted in the following locations: Two (2) mounted in rear console one on each side, One (1) mounted near the officers seat, one (1) mounted near the officer's seat, and one (1) mounted in the center of the console. Final locations to be determined during pre-construction meeting.		X		
	535	Builder shall provided rubber covered (red) positive (+) and (black) negative (-) battery jumper studs to be used in case of excessive battery drain to start the vehicle. Location TBD during pre-construction.		X		
D.O.T. Lighting	536	The following lights, reflective devices, and associated equipment shall be provided in accordance with all FMVSS and D.O.T. standards:		X		
	537	Access shall be provided behind all lights with as large of hole as possible. (ex. Behind the stoplight/backup/turn signals)		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	538	All clearance lights shall be LED and provided as required. Five (5) amber LED markers shall be installed to the forward top edge of the cab. Intermediate reflex reflectors and both side and rear LED marker light, Truck-Lite model/series 33 shall be provided. All reflectors shall be affixed with screws (or OCFA approved equal).		X		
D.O.T. Lighting (continued)	539	Brake/tail, rear turn signal and back-up lights shall be Code 3 LED. Lights to be mounted from top to bottom as described below in a Code 3, quad stack housing, model 65STK4. Note: polished aluminum housing preferred.		X		
	540	Two (2) Each 65STR		X		
	541	Two (2) Each 65STA		X		
	542	Two (2) Each 468R-75 (switched to rear warning)		X		
	543	Two (2) Each 65RV		X		
	544	A third (3rd) brake light (Code 3 LXEX1FW-R - red LED) shall be installed, centered between the rear directional arrow modules in the body on the rear of the unit and illuminate when the brake light circuit is activated		X		
	545	A weatherproof switch shall be provided at the rear of the vehicle that allows the back-up lights (Code 3 65RV) to be manually turned on and off for use as additional rear ground lighting.		X		
	546	An Amdor H20 Luma Bar LED strip light shall be provided within the hose reel enclosure, to aid in reloading the hose at night. The light shall be switched to the above switch (back up lights) at the rear of the vehicle. Exact location TBD at pre-construction.		X		
	547	A Code 3 model #700 headlight flasher shall be provided and installed per manufacturer's instructions if not provided in freightliner chassis. Must be state approved equal to previously listed part to ensure a wig wag function that can be driver controlled. Note: preference is to utilize Freightliner OEM headlight control		X		
	548	Ten (10) Amdor H20 Luma Bar LED strip lightning, ground lights shall be provided. One (1) on each side under each cab door, activated when the cab doors open, one (1) each side below the pump panels, two (2) located at the rear step bumper area and two (2) located under the front bumper. The lights shall be wired to a switch located at the pump panel.		X		
	549	Two (2) Truck-Lite model 44 (4" diameter) LED rubber mounted lights shall be provided under the vehicle hood to illuminate the engine compartment. One (1) weatherproof switch shall control both lights. Locations TBD.		X		
	550	Three (3) Amdor H20 Luma Bar LED strip lights shall be provided within the main pump enclosure, exact locations TBD at Pre-construction. Shall be above/around the main pump and plumbing.		X		
	551	All Truck-Lite model 44 lights shall be mounted in rounded mounts.		X		
	552	One (1) Ecco model #830N back up alarm shall be provided and installed at the rear of the apparatus body, mounted facing the ground.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	553	One (1) Grover model #1510 air horn shall be provided. Horn to be mounted behind the front bumper and be operable upon selection by the driver using the horn selection switch and the steering wheel horn button. Location TBD during pre-construction.		X		
Switches	554	The emergency switch panel shall be mounted within easy reach of the driver and shall be of sufficient size to hold all switches listed below. The panel shall be hinged, or removable with sufficient slack in the wiring to allow the panel to be opened for easy servicing. Locations and configuration of all emergency lighting, switches and control modules will be finalized during the pre-construction or mid-point inspection.		X		
	555	The following rocker switches with LED indicator lights shall be furnished and mounted on the switch panel. Labeling that is clearly legible either in daylight or at night when the panel illumination lights are on shall be provided. Switches shall be labeled as shown below:		X		
	556	Emergency Master: with constant duty solenoid for actuating all emergency switches.		X		
	557	Primary Warning: Switch to activate all emergency warning lights (including Narrow stick) and siren controller(s). This switch to be controlled by the "Emergency Master" switch.		X		
	558	Rear Warning: Switch to activate upper/lower zone "C" amber lights and Narrow stick controller. This switch to be controlled by the "Emergency Master" switch.		X		
	559	Wig-Wag: Switch to activate headlight flasher. This switch to be controlled by the "Emergency Master" switch. Switch shall also cancel headlight flasher when "Primary Warning" lights are activated if required by operator.		X		
	560	Opticom shall cancel when the parking brake is set.		X		
	561	The following switches shall be provided and not be connected to the "Emergency Master" switch. Clearly legible in both daylight and night when the panel illumination lights are on shall be provided. Switches shall be labeled as shown below:		X		
	562	Left Flood: Switch to activate driver side LED flood-light		X		
	563	Right Flood: Switch to activate passenger side LED flood-light.		X		
	564	Rear Flood: Switch to activate rear LED flood-lights.		X		
	565	Left Alley: Switch to activate driver side LED light		X		
	566	Right Alley: Switch to activate passenger side LED light.		X		
	567	Horn - Air/Electric: Selects horn or air horn through the steering wheel horn button.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	568	Spare: Spare Switch (not marked)		X		
Warning Lights	569	Emergency lighting shall be Code 3 (package Code 3 NFPA lighting package DFRC-NFPA-110) (No Exception) All lights that are not steady burn red, shall be programmed to the NFPA-Quad Flash Pattern. Note must add part number XTP4SCHMBZ chrome bezels to all XTP4 dual stack LED light heads.		X		
Warning Lights (continued)	570	All LED perimeter light modules described above shall be set at 80 fpm (flashes per minute) quad flash pattern (flash pattern #2). All perimeter lighting shall be "synced" (inter-connected) according to Code 3 mfg. instructions to provide alternating flashing of individual light heads. One light shall be set to phase 1 and the next to phase 2, each light being 180° out from (opposing) the previous and next light.		X		
	571	Upper Zone A: (1) DF36A LED light bar (includes CA steady burn red light) Code 3 configuration #C118149. (2) DF23A LED light bars one mounted on each side of the cab with Code 3 configuration #C118150 and #C118151. Note: small light bar is to be mounted at 45° angle to center light bar.		X		
	572	Lower Zone A: (2) XTP4MDSMCRW red/white dual stacked LED lower grille. mounted. (2) XTP4MDSMCRW red/white dual stacked LED upper grille mounted. (2) XTP4MCRW red/white LED bumper mounted.		X		
	573	Upper Zone B: (1) XTP4MDSMCRWRR red/red LED.		X		
	574	Lower Zone B: (1) XTP4MDSMCR red/red LED front bumper end. (1) XTP4MCR red/red LED rear body side		X		
	575	Upper Zone C: (2) XTP4MDSMCRW red/white dual stacked LED. (2) XTP4MDSMAA amber/amber dual stacked LED		X		
	576	Lower Zone C: (2) XTP4DS4A Amber LED		X		
	577	Upper Zone D: (1) XTP4MDSMCRW Red/White XTP4MDSMCRWRR red/red dual stacked LED		X		
	578	Lower Zone D: (1) XTP4MDSMCR red/red LED front bumper end. (1) XTP4MCR red/red LED rear body side.		X		
	579	Rear Traffic Arrow: Shall be a Code 3 NASL8SP "Narrow stick" amber LED (two split modules) with control head. Shall be recess mounted into the area above below the hose bed and above the rear compartment. It shall be activated by the cab mounted controller. The third brake light will be mounted in the center between the two modules.		X		
	580	The Opticom™ 794HM LED traffic pre-emption emitter shall be located on the roof, centered on a mount, raised above the light bar. The Opticom™ shall be controlled by the "primary warning" switch and also by the vehicle parking brake circuit. Releasing the parking (maxi) brake shall energize the emitter circuit, setting the brake shall cancel all power to the emitter even while all other emergency lights are activated. No individual cab switch for the emitter circuit shall be provided. The traffic pre-emption emitter shall be installed as outlined in the Opticom™ 794HM installation instructions and shall include one (1) interior mounted green LED indicator light and 1-amp in-line fuse with operation label. The exact mounting location TBD by OCFA. Note: two antennas provided with Opticom shall be mounted on the roof. Exact location TBD during pre-con.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	581	Siren: One Code 3 Z3 siren control head shall be provided with Hi/Low function disabled. The siren shall be connected to two (2) Code 3 FM100C chrome flush mount speaker, exact location TBD. The bumper or grille may need to be modified, for the mounting of the siren speakers. The siren control head shall be backlit with the headlights on. Control head to receive power ONLY when "primary warning" switch is activated. Final mounting locations for control head to be determined during pre-construction meeting. P/A microphone to be mounted, location TBD at mid-inspection. Note: Two siren speakers to be in grill as to not block or restrict air movement in the grille.		X		
Warning Lights (continued)	582	Secondary siren to be a Federal "EQ2B" with control head and remote amplifier. Siren to be connected to one (1) Federal BP200-EF speaker mounted in the front bumper. Function labeled, floor mounted activation switches to be provided for driver side floor. Control head to be backlit when headlights are activated. Final mounting locations for control head to be determined during pre-construction meeting. P/A microphone to be mounted, location TBD at mid-inspection. Note: The EQ2B speaker to be flush mounted in the front bumper. Siren head and speaker quantity should remain the same. Alternative mounting options and locations will be considered.		X		
Auxiliary Lighting	583	Two (2) Code 3 12-volt model 79SCENE surface mount with chrome bezels shall be provided at the rear of the apparatus. Lights shall be mounted on the ends of the high -side storage compartments and shall be controlled by one(1) lighted rocker switch located in the cab (Rear Flood).		X		
	584	Two (2) Code 3 12-volt model 79SCENE surface mount with chrome bezels shall be provided at the rear of the apparatus. Lights shall be mounted on the ends of the high -side storage compartments and shall be controlled by one(1) lighted rocker switch located in the cab (Right Alley and Left Alley).		X		
	585	Two (2) LED driving/fog lights with clear lens to be mounted below the front bumper. Exact location TBD. The lights shall be protected from damage by the use of a protective shield and/or lens. They shall be controlled by one (1) dash mounted switch (Fog Lights).		X		
	586	One (1) Pioneer Plus flood light PFP1 with bracket PBA106, shall be mounted on the top/rear edge/center of the cab roof to illuminate the area of the top of the hose bed, and be switched to the hose bed light switch on the left pump panel. The mount shall be installed so it can manually rotate (swivel) to either side of the vehicle.		X		
	587	The apparatus shall have two (2) Whelen PFP2P lights installed. The light heads will be attached to two (2) Whelenside- interior compartment mounted push up light poles, part number 86930QB4 Each light to be controlled by an individual lighted rocker switch (Left Flood and Right Flood) located in the vehicle cab. Extension poles shall be tied to the "rear/top" open compartment warning system provided in the cab.		X		
Body Construction	588	In order to reduce both the working height and the center of gravity of the vehicle, the apparatus body shall be of the integral water tank or "wet-side" design and incorporate the water tank with the required storage compartments. The completed body, after mounting shall not exceed the top of the chassis cab roof. No Exception. All "dead spaces" shall be identified and access determined, to make the most efficient use of the space(s). No part of the body or compartment shall be welded to the chassis frame at any point. All brackets, braces, etc. shall be bolted to the frame. Either design must meet or exceed the tilt table test as described elsewhere in this specification. Note: alternative construction style options are acceptable provided the overall height, hose bed heights, vehicle width requirements are met and not impact the 13" minimum compartment depth as listed in line item 206.		X		
	589	All specified uncoated surfaces shall be 4B finish stainless steel. All exterior aluminum used in fabrication shall be Tread-Brite alloy #3003H14 or smooth 5052 H32		X		
	590	Except where T304L stainless steel or 10 gauge is specified, all sheet steel used in fabricating the apparatus body shall be minimum "hot-zinc-coat" mill treated (e.g. Redi Kote or Jet Kote, A-60). All exterior aluminum used in fabrication shall be Tread Brite alloy # 3003H14.		X		
	591	Self-tapping screws shall not be used. All bolts, screws, pins, stove bolts, flat and lock washers shall be high grade stainless steel and all bolts and nuts shall be hex head with SAE thread.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	592	Running boards shall be 3/16" aluminum diamond plate. They shall be a minimum 8" deep, and be either turned up or have a separation where they meet the body, to prevent rust build-up between running board and body. Outer edges shall be turned down to provide rigidity and avoid sharp edges. All running boards shall meet or exceed NFPA slip resistance requirements.		X		
	593	A stainless steel flashing/drip rail shall be mounted around the recessed Code 3 Narrow stick, below the hose bed and above the rear double door compartment.		X		
Body Mounting	594	Particular attention should be directed to the method of the body to chassis mounting. Due to the severe loading requirements and rigors of off road operations the entire body support assembly shall not rest directly on the frame rails.		X		
	595	To provide the required amount of diagonal body flex, the body support system shall be designed, engineered and tested to reduce the natural flex stresses of the chassis from being transmitted to the body and to allow at least 12" of body to frame diagonal flex.		X		
	596	Body/tank understructure and cross-members shall be type 304-L grade stainless steel hat section design. The two main rails shall be fabricated of 7 ga. 304-L grade stainless steel and be welded to bottom of tank from front to rear of cabinetry. Main rails shall act as a structural support for the attached cabinetry. These rails shall have 1/2" x 2 1/2" rubber sills vulcanized to 10 ga plates welded to them. The rubber will be used as a cushion between the chassis rails and the water tank. The entire assembly shall be mounted to truck chassis using a minimum of four (4) spring-loaded shock assemblies with SAE Grade 8 bolts and nylock nuts. The springs shall 4" free length allowing chassis to flex independently of build-up. No Exception		X		
	597	The test of the apparatus diagonal flex shall be conducted by raising the tires a minimum of 12 inches at opposite corners of the apparatus. Measurements shall be recorded at the opposite front and rear axles.		X		
	598	Access holes with cover panels will be provided in compartments as necessary for access to body mounting bolts, spring pins and etc.		X		
Body Compartments	599	All compartments shall be watertight and dust-proof when doors are closed utilizing an automotive closed cell door seal that will ensure a watertight compartment. A minimum 2" single Weber style polished stainless steel swivel vent with four (4) 1/4" vent holes shall be provided in all compartments except the under cab boxes. 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 upper rear area of the compartment walls		X		
	600	All compartments doors and telescoping lights to be equipped with a proximity style switch and alerting inside the cab to notify the driver of an open compartment via flashing light as stated earlier in this specification. (magnetic switches will not be accepted)		X		
	601	Brushed stainless steel covers (scuff plates) shall be installed on all compartment thresholds (lower door frames). The scuff plates shall extend below the lower door-frames to protect painted surfaces. All compartment floors shall be flush to provide a sweep-out design and permit easy cleaning. Unless otherwise specified, all compartment floors and shelves shall have red Dri-Deck material installed. The leading (front) edge of each compartment floor "mat" shall have the beveled (angled) edging, yellow in color installed.		X		
	602	All compartment door openings shall be as large as possible.		X		
	603	All compartment doors shall be fully enclosed, double pan "Beveled-style" with covered access to the compartment latch and be fabricated from 12-gauge zinc-coated steel on the outer panel and 14-gauge zinc-coated steel inner panel or a minimum .125" orbital sanded removable aluminum inner panel fastened to the inner door frame with, Philips or torx head stainless steel counter sunk machine screws. The machine screws shall be threaded into flush fitting steel nut-certs evenly spaced on the inner doorframe.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	604	A hat section for additional strength to ensure that all doors remain flat shall be installed between the panels on all large compartment doors. Reflective 2" chevron/stripe material shall be attached to the inside pan of the door frame and the leading edges for maximum visibility/safety while the door(s) are open. Reflective red/yellow 4" chevron/stripping shall be applied to aluminum sheet material, and affixed to the lower half of inside portion of each compartment door. All chevron material shall be 3M Diamond Grade.		X		
	605	All compartment doors must be designed to ensure that no binding occurs while opening or closing when the apparatus is in a stressed off road environment.		X		
Body Compartments (continued)	606	All polished stainless steel hinges and door handles shall not be painted. There shall be a polished stainless steel or anodized aluminum drip rail installed above all compartments and a minimum 4" scuff plate of anodized aluminum diamond-plate fastened with stainless steel machine screws and lock nuts to the lower edge of any compartment doors close to stepping surfaces.		X		
	607	Heavy duty polished stainless steel continuous type hinges, with minimum 1/4" pins and minimum 1" joint length shall be utilized for all compartment doors. On single vertically hinged doors, the doors shall be hinged on the forward jamb unless otherwise specified.		X		
	608	All vertically hinged doors shall have Cleveland #2395AA, double spring, chrome, over center door stays located in the upper jamb area. The two (2) horizontal doors shall have two (2) gas shocks for securing the door in the open position. The gas shocks must be heavy duty with metal pivot points. Shocks with plastic pivots will be rejected.		X		
	609	Rubber bumpers shall be installed on all surfaces where compartment doors may contact other doors or vehicle surfaces when opened.		X		
	610	The compartment door latches shall be removable, flush mounted, polished stainless steel, round cup style with retractable "D" ring handles, Eberhard # 206 (or equally rated, slam-type latch system). Unless otherwise specified, all compartment doors shall be lockable and keyed with #1250 key. (No exception)		X		
	611	Door latches shall be secured with stainless steel Philips head machine screws and lock nuts. Pop riveted latches shall be rejected. Double doors shall utilize double latches actuated by pull chain or cable set-up. All enclosed latches shall have an interior removable cover to prevent equipment from jamming the mechanism.		X		
	612	Dissimilar metal insulating gaskets shall be placed between the door handles and outer door panels to prevent any electrolytic reaction between dissimilar metals to protect painted surfaces.		X		
	613	The latch and striker assembly shall be adjustable and of a style that must keep the compartment doors from springing open while operating over rough terrain.		X		
	614	All compartment shelving and trays shall be manufactured from minimum .1875" (3/16") brushed aluminum with a minimum 2" vertical flange on four sides. The shelves shall be vertically adjustable, full height, through the use of a heavy-duty slotted uni-strut type (or equal) track material. The shelf tracks shall be welded or fastened (with a two-piece fastener) to the compartment walls. The minimum capacity rating for compartment shelving shall be 500 pounds.		X		
	615	All compartments shall be equipped with Amdor luma bar LED strip lighting, which activate when that compartment door is open. Lights shall be mounted at the inside corners of compartment wall, one each side (2 per compartment). Additional lighting may be deemed necessary by OCFA based on compartment size and or configuration.		X		
Compartment	616	The dimensions given for each compartment are approximate (unless a "minimum" dimension is given). All compartments are to be as large as possible and manufacturer shall come as close as possible to dimensions shown.		X		
	617	Builder to provide with their proposal a list of compartment dimensions and cubic footage for each compartment. Designs with less than 135 cubic feet of usable storage space will not be accepted. The ladder and hard suction storage compartment is not to be included in the 135 cubic feet of usable compartment space. No Exception		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Specifications	618	The driver and passenger side upper compartment sections, rear compartment sections, and the hose bed compartment shall be fabricated of 12-gauge zinc-coated steel or stainless steel and be of welded construction. Bolt together construction will not be accepted.		X		
	619	Storage for four (4) 30-minute 4.5 liter SCBA cylinders shall be provided in the body wheel well area, two (2) each side of the apparatus with Cast Products doors. Shall be one compartment door with double wide storage and no divider.		X		
Compartment D1	620	Driver Side: D1: One (1) horizontal compartment shall be provided over the rear wheels with one (1) horizontally hinged door. The interior compartment dimensions shall be 50" wide, 40" high and a minimum of 14" deep.		X		
Compartment D1 (continued)	621	The front portion of the compartment shall be partitioned vertically from the front side for the mounting of two (2) breathing apparatus. Two (2) Ziamatic "Walkaway" SCBA bracket with safety strap shall be provided for the vertical mounting of two (2) SCBA.		X		
	622	Rear wall of compartment shall have .125" aluminum "peg-board" material installed. Peg-board to be spaced out from rear wall .75".		X		
	623	One (1) adjustable shelf shall be provided aft of the partition.		X		
	624	The compartment door shall have a center mounted nylon pull strap attached to the inner panel to aid in closing the door.		X		
Compartment D2	625	One (1) vertical compartment shall be provided behind the rear wheels with one (1) vertically hinged door. Inside of door to have a piece of brushed aluminum 19 ½". from bottom of door, full width of door. The interior compartment dimensions shall be 38" wide, 60" tall and a minimum 14" deep in the upper portion and 24" deep in the lower portion.		X		
	626	The upper section shall have two (2) fully adjustable shelves.		X		
	627	One (1) fixed shelf shall separate the upper and lower sections.		X		
	628	A two-drawer assembly for tool and brass storage shall be provided in the lower portion of the compartment. Drawer assembly to be manufactured by: Respond Ready Storage, Lino Lakes, Minnesota (612)-710-4068 (www.respondready.com) No Exception		X		
	629	Drawer assembly shall have 500 lb. minimum slides that lock in both the closed and open position, have one hand operation to open.		X		
	630	Top drawer shall be 8" tall and bottom drawer shall be 10" tall. Both drawers shall be the full width and depth of the compartment.		X		
	631	Drawer fronts shall be powder-coated light gray in color and the assembly frame shall have the optional stainless trim kit installed		X		
Over Pump Panel Compartment	632	A lockable (1250 key) dunnage storage box shall be provided at the pump module area above the left side pump panel. It shall be fabricated of polished aluminum diamond plate. A single lift-up diamond plate lid with a gas shock(s) hold-open device shall be provided. Box shall be as large as possible with exact dimensions and design to be determined at the Pre-Construction Conference.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Rear Compartment	633	One (1) compartment with Two (2) vertically hinged doors shall be provided at the rear of the apparatus beneath the hose beds.		X		
	634	The interior compartment dimensions shall be 50 1/2" wide, 31 1/2" high and 26" deep minimum. Shall be designed to be as large as possible.		X		
	635	Entire compartment floor to be covered in stainless steel due to heavy usage.		X		
Rear Compartment (continued)	636	Design and install an aluminum shelf/holder system in the top/rear of this compartment to securely hold long handled tools. 2 Cordless & 2 Shovels. TBD at Pre-construction. This line item is deleted in its entirety		X		
	637	Install one full size aluminum shelf in the bottom of this compartment to separate hose storage from other miscellaneous gear. Shall be full depth and width with beveled front edge to retain gear. Note: shelf capacity shall be 300lbs or greater and fully adjustable.		X		
Passengers Side P1	638	One (1) vertical compartment shall be provided between the pump panel and main apparatus body with one (1) vertically hinged door. The interior compartment dimensions shall be 15" wide, 48" high and 15" deep. This is the minimum compartment width. Compartment shall be made as wide as possible in order to fit two (2) SCBA holders while narrowing the adjoining pump panel down to the minimum size.		X		
	639	This compartment shall be designed as part of the right pump panel/auxiliary pump assembly module.		X		
	640	The forward and inner compartment walls shall have full height removable access panels.		X		
	641	Two (2) Ziamatic "Walkaway" SCBA bracket with safety strap shall be provided for the vertical mounting of two (2) SCBA.		X		
	642	The compartment door shall be hinged to the rear (left) side.		X		
	643	The outside/front surface of this compartment shall be covered with polished diamond plate.		X		
	644	One (1) full width, minimum 8" deep running board shall be provided along the lower portion of this compartment and the pump panel area.		X		
	645	One (1) adjustable shelf.		X		
Passenger	646	One (1) horizontal compartment shall be provided over the rear wheels with one (1) horizontally hinged door. The interior compartment dimensions shall be 50" wide, 40" high and a minimum of 14" deep.		X		
	647	One (1) SlideMaster full-width horizontal tilt down style (adjustable) shelf shall be provided (with lock).		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Compartment P2	648	Rear wall of compartment shall have .125" aluminum "peg-board" material installed. Peg-board to be spaced out from rear wall .75".		X		
	649	The compartment door shall have a center mounted nylon pull strap attached to the inner panel to aid in closing the door.		X		
Passenger Compartment P3	650	One (1) vertical compartment shall be provided behind the rear wheels with one (1) vertically hinged door. The interior compartment dimensions shall be 38" wide, 60" tall and a minimum 14" deep in the upper portion and 24" deep in the lower portion.		X		
	651	The upper section shall have two (2) fully adjustable shelves.		X		
Passenger Compartment P3 (continued)	652	One (1) fixed shelf shall separate the upper and lower sections.		X		
	653	The lower section shall have two (2) fully adjustable shelves.		X		
	654	Compartment Shall have one (1) Blue Sea model 4353. Exact Location TBD at pre-construction.		X		
High-Side Storage Compartments	655	The area above the body compartments shall be "stepped in" to the hose-bed wall creating a space that will accommodate 2 (two) separate compartments.		X		
	656	Dimensions shall be approximately 12" wide, 11" high and maximum length.		X		
	657	The front edge of the "box" will be set-back to allow enough space to accommodate one (1) Havis Shields LED floodlight mounted thru the body top on an extension pole on each side (see auxiliary lighting section).		X		
	658	The compartments shall be fabricated from polished aluminum diamond plate material		X		
	659	A single full-length lid, hinged to the outboard edge shall cover each compartment. Suitable means of preventing the lid from going over center shall be provided. Design to be approved by OCFA.		X		
	660	Two (2) push thumb latches per compartment shall be provided to keep the lid latched in the closed position.		X		
	661	Two (2) grab handles, per compartment, preferably inverted (built into the compartment top) to prevent a tripping hazard.		X		
	662	Two (2) grab handles, per compartment, TBD at pre-construction or mid-inspection.		X		
	663	The underside of the lid shall have a welded aluminum channel that encases closed cell automotive weather stripping to seal the compartment on the front, rear and inboard vertical sides.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	664	Each compartment shall have a drain tube on the forward and rear inboard corners of the floor that will channel liquids thru the lower compartment and exit to the ground.		X		
Suction Hose and Ladder Compartment	665	Two (2) vertically hinged, double door compartment shall be fabricated and installed centered within the main hose bed to house the hard suction hose and ladder compliment. Both sections of this compartment shall have separate vertically hinged doors fabricated from .125" aluminum diamond plate with lockable paddle latches. The hinges shall be on the outboard side with the doors latching in the center section. The top of this compartment shall have an overlay of aluminum diamond plate. An NFPA approved grab handle shall be mounted horizontally across the upper rear edge of this compartment.		X		
	666	Dimensions shall be 19" wide, 29" high and the length of the main hose-bed.		X		
Suction Hose and Ladder Compartment (continued)	667	Compartment shall be vertically divided fore and aft to provide two (2) separate sections.		X		
	668	The hard suction hose portion shall be located on the left side with trays to accommodate the following: Two (2) 7' lengths of 4" Kocheck Maxi-Flex Suction Hose (small lug) w/NH threads. One (1) 6' length of 4" Kocheck Maxi-Flex Suction Hose (small lug) w/NH threads. One (1) 4" Kocheck Chrome Suction Hose Strainer w/NH threaded couplings. Two (2) 7' lengths of 1 1/2" reinforced PVC hose. Provisions to store a digging bar and pike pole shall be provided under the lower hose tray, with a locking pin to secure each item.		X		
	669	The ladder storage portion shall be located on the right side and be of sufficient size to accommodate the following: One (1) Duo Safety series 912, 16' three (3) section extension fire service ladder. A minimum 3/16" thickness "poly" material plate shall be attached to the floor for ease of ladder removal and a removable pin shall be provided to keep the ladder from sliding out.		X		
Under Cab Compartments	670	Two (2) compartments shall be fabricated completely from brushed stainless steel mounted under the left and right rear cab doors. The Passenger side interior compartment dimensions shall be as large as possible within the given space. Each compartment shall have a single hinged door.			X	LEFT SIDE ONLY DUE TO SPACE
	671	The two (2) compartments shall include running boards and cab steps to be used as entrance steps into the cab. The steps shall utilize 12-gauge stainless steel grip strut material and shall meet all NFPA anti-slip and step height requirements. The grip strut steps shall be designed so as not to collect debris between the step and mounting surface.		X		
	672	Compartments shall provide for seperatre fuel can storage away from the main compartment.		X		
Battery Compartment	673	The OEM supplied battery compartment will need to be re-configured to provide additional room for 2 additional batteries and under cab compartments in accordance with line 65. An overlay of removable polished aluminum tread plate shall be provided to cover the battery compartment. The design shall incorporate easy access for maintenance and replacement. Note: the intent of diamond plate usage is to cover anything that is exposed.		X		
Rear Bumper	674	The rear bumper shall be 12 gauge galvanized steel or aluminum grip strut, or tread plate with diamond edge punch encased in a painted grey/silver powder coated, steel frame and will be full body width and a minimum 8" deep stand off type. When mounted, the loaded rear departure angle will be no less then 24°.		X		
	675	The contractor shall provide designs that incorporate a 37" wide, removable center hinged drop step with two (2) gas shocks. All steps are to meet NFPA step height requirements. The OCFA reserves the right to accept or reject the design of the rear step and if necessary the contractor shall redesign the step at no additional cost to the OCFA.		X		
	676	A predrilled backing plate and chrome LED light shall be installed on the rear of the apparatus for mounting of the license plate.		X		

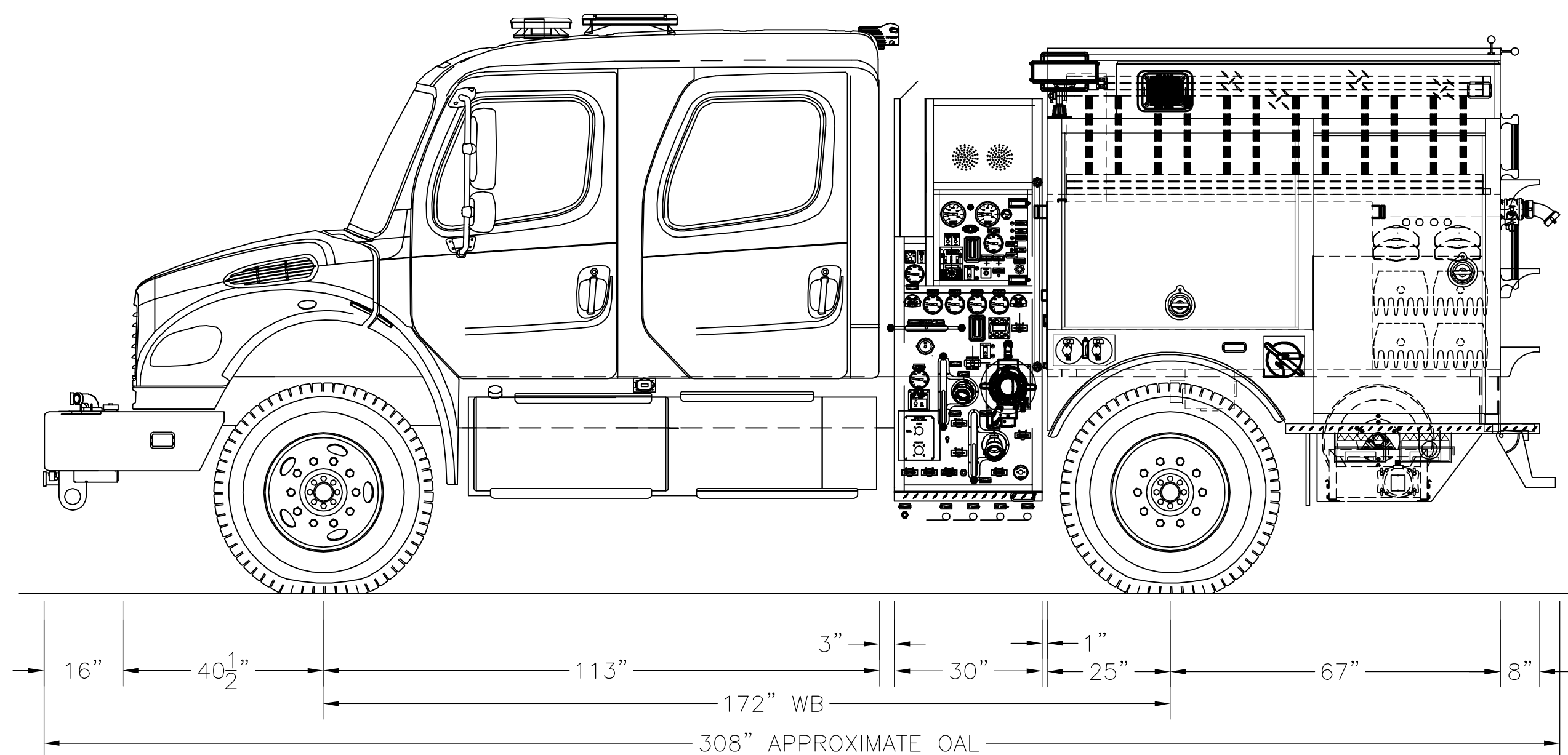
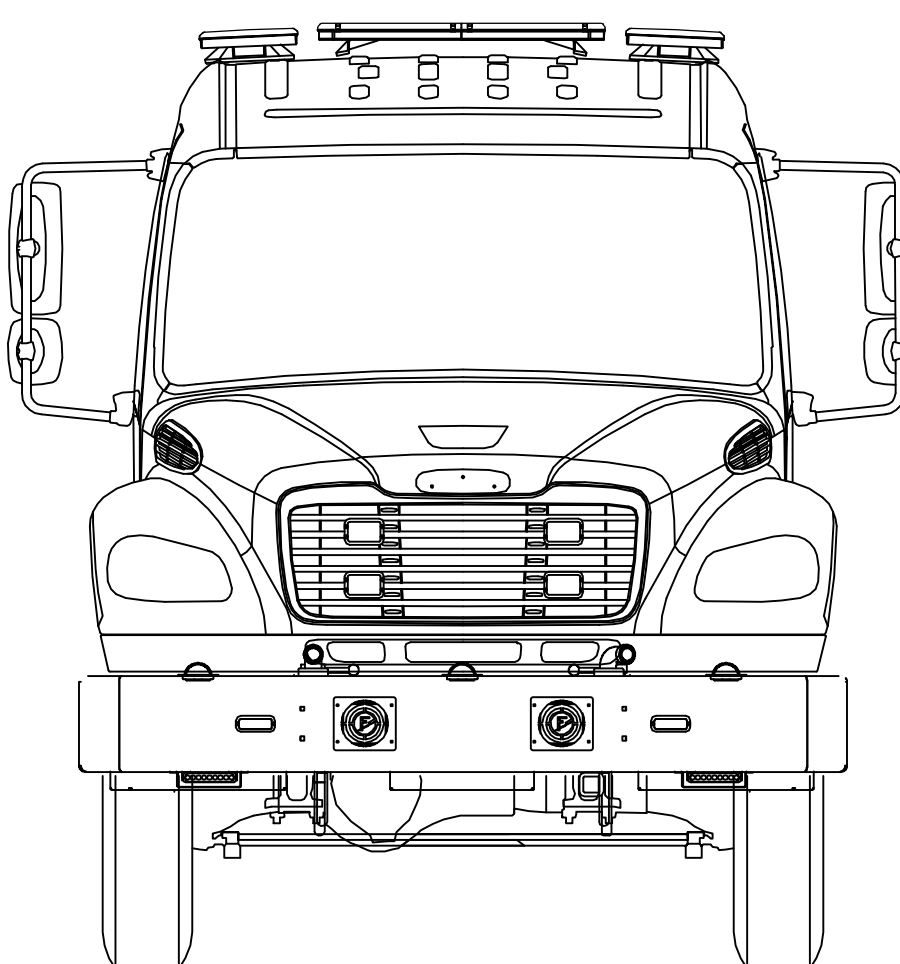
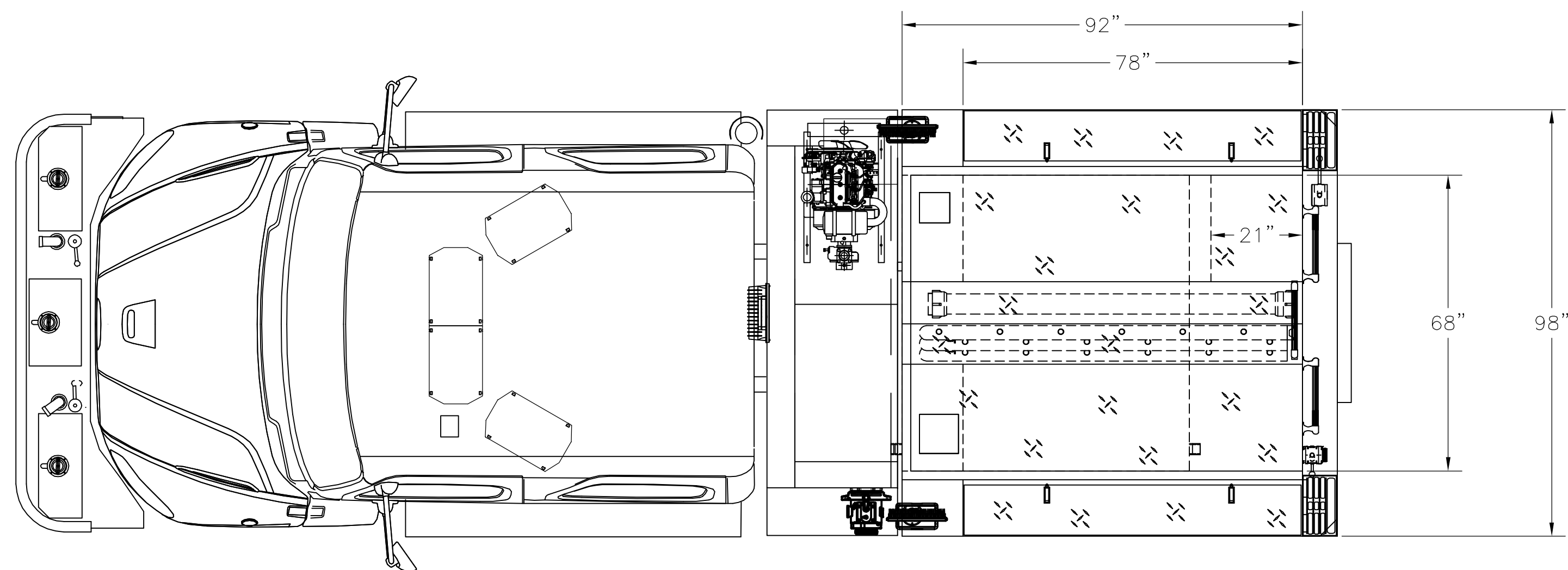
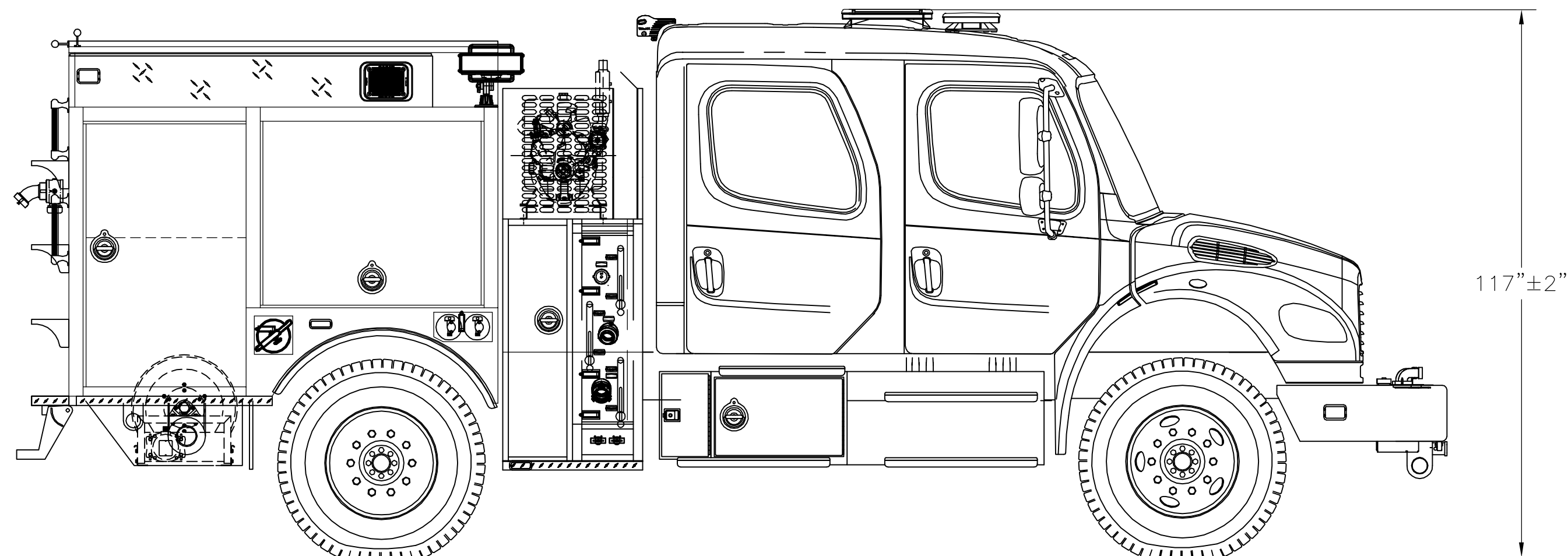
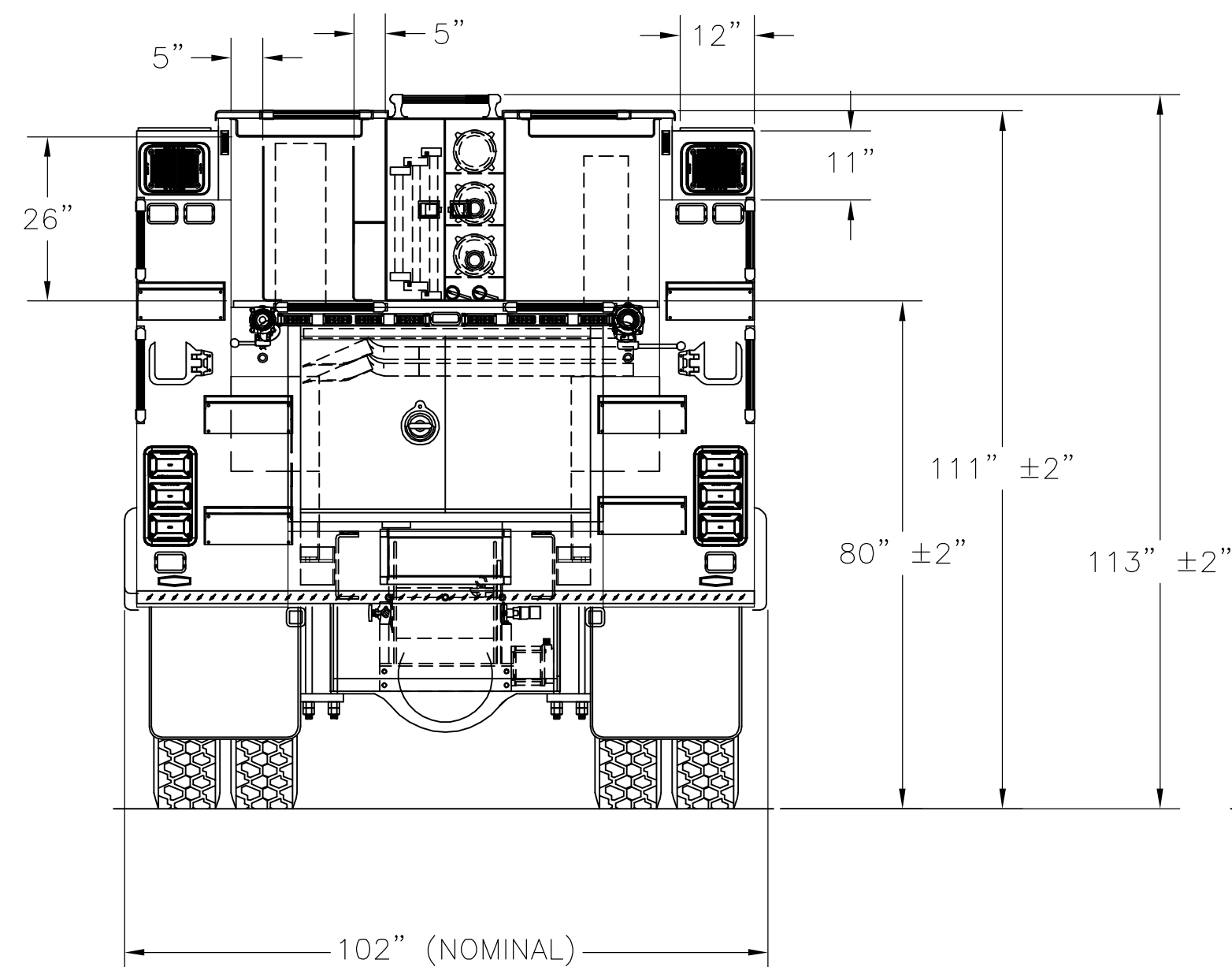
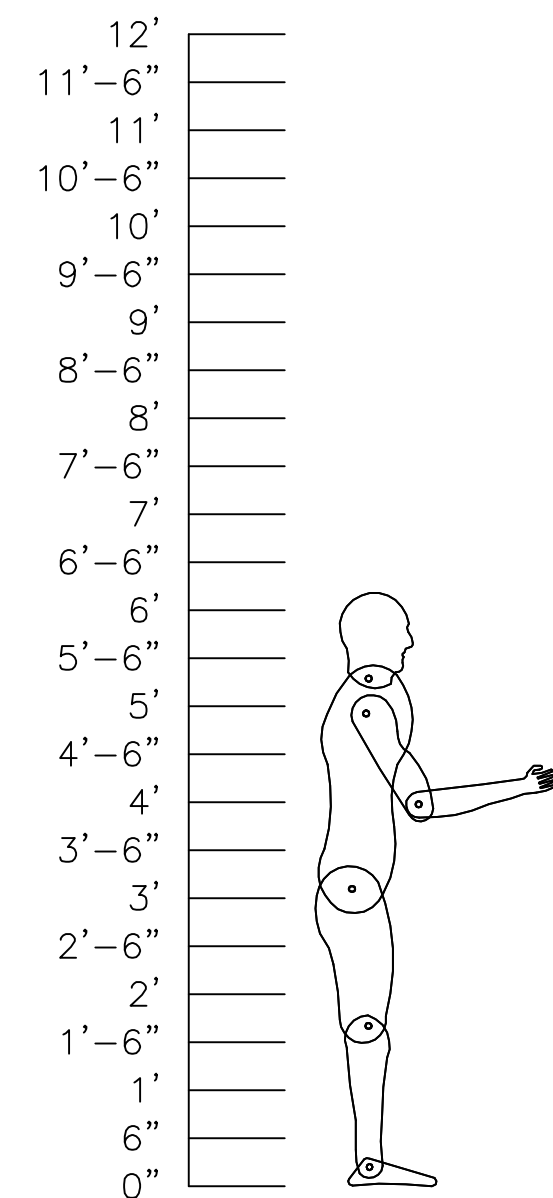
SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Handrails	677	In addition to the grab handles on the rear body steps, access handrails shall be provided at the following locations; each cab entrance, if not OEM supplied, above each pump panel, rear of each hi-side hose bed compartment, the rear edge of each hose bed cover, top rear of the ladder box, below the rear traffic advisor and at each position where steps for climbing are located. The handrails shall be constructed of slip resistant, non-corrosive material. Access handrails shall comply with NFPA # 1906, latest edition. The exact location of the handrails shall be determined at the pre-construction conference.		X		
Rear Steps	678	There shall be a minimum of six (6) surface mount 8" x 14" cast aluminum rear steps with hand-holds, (Cast Products (CPI) #SP2016-1-A, with Weldon 2631 led clear lamps provided to allow access to the hose bed and upper rear body areas. A weatherproof heavy duty switch shall be provided next to the rear work light switch. These steps shall feature a designed in grab handle to supplement the NFPA required access rails and have polished stainless steel scuff plates attached with stainless steel machine screws and nylock nuts above each step. Additional steps may be required if deemed necessary by OCF. (provide option of adding an access ladder to one side as an alternative.) Note: ladder is preferred option	X			
I-Zone Brackets	679	There shall be two (2) "I-Zone" brackets mounted on the rear of the apparatus, one on each side. The brackets shall be designed with adequate reinforcement to eliminate flexing of the body (oil canning) and not interfere with any rear facing lights when carrying hose. The area around the I-Zone Brackets shall have a stainless steel tread plate installed to protect painted surfaces. The exact design and mounting locations shall be discussed at the pre-construction conference.		X		
Hose Roller Mounts	680	The contractor shall provide three (3) 2" hitch receivers for the mounting of a removable hose roller. They shall be flush mounted on the bottom side of the front bumper (1) and rear tailboard (2). The reinforced hose roller mounts shall be welded to the proper size of stock to fit a standard 2" hitch receiver. The mounts shall be permanently labeled as to not be used as a tow/anchor point.		X		
Body Rub Rails	681	Sacrificial brushed stainless steel covers shall be installed over the designed in rub rails at the base of the main body, across the rear of the hose bed opening and below all compartment openings to protect these areas from wear.		X		
Wheel Wells and Related Components	682	The exterior rear wheel well arches shall be trimmed with bolt-in, replaceable type heavy-duty rubber fenders (2). The (2) front fenders shall be Freightliner OEM option, rubber. Plastic fenders are not acceptable.		X		
Wheel Wells and Related Components (continued)	683	Wheel well liners shall be provided and fabricated from minimum 12 gauge steel plate and mounted in the arch of each rear wheel well for booster tank, rock and other protection. In an effort to keep the center of gravity as low as possible it may be necessary to incorporate the rear wheel wells into the rectangular tank and if this is necessary it must be designed with a minimum of 8" rear tire clearance in a loaded condition to assure adequate clearance.		X		
	684	Two (2) heavy-duty plain black "fabric inserted" mud flaps shall be provided behind each rear wheel.		X		
	685	Two (2) main hose storage compartments shall be fabricated and installed on either side of the ladder/hard suction storage compartment.		X		
	686	The dimensions of each compartment shall be a minimum of 24" wide, 84" long and 26" high at the ladder/suction hose compartment but are to be of the maximum size possible.		X		
	687	The hose bed compartment floor shall be manufactured from extruded aluminum spaced ½" apart for proper hose drainage and ventilation.		X		
	688	The hose-bed compartment floor sections shall not directly rest on the top of the booster tank and shall be removable for tank access		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Main Hose Compartment	689	One hose bed compartment shall have a fore and aft divider that runs the entire length of the hose-bed (right side).		X		
	690	The left hose-bed shall have two (2) side-to-side dividers that are adjustable, one to have a hinged/folding shelf TBD at pre-construction. Hose capacity is 500ft of 2 ½ in. Double Jacket fire hose, 2-100ft 1 ¼ in. Double Jacket fire hose bundles (stacked) with nozzles and a wye attached. Note: Left rear Hose bed shall be engineered to accommodate 200' of 1.75" double jacket fire hose on the left side of the hose bed. The next section of the hose bed shall include storage for 500' of 2.5" double jacket fire hose with a horizontal divider mounted in it to provide for long handled tool storage below the 2.5" fire hose. The last section of the left hose bed shall incorporate storage for two 100' 1.75" double jacket fire hose bundles with a hinged horizontal shelf between the bundles.		X		
	691	Four (4) Amdor luma bar LED strip lights shall be installed in the hose bed, two (2) in each bed, the length of the bed. One (1) hose bed light on/off switch shall be located on the left pump operator's panel.		X		
Main Hose Compartment (continued)	692	Aluminum guards or shields shall be provided on all lights in the hose bed and compartments unless other means of lamp protection is offered and approved by the OCFA.		X		
Main Hose Bed Covers	693	Two (2) hose bed covers shall be provided and fabricated from .125 aluminum diamond plate		X		
	694	Covers shall be reinforced on the underside with a .125 aluminum alloy hat section.		X		
	695	Covers are to be hinged on the inboard edge (at the ladder/suction hose compartment) using full length polished stainless steel hinges with a minimum 3/8" pin and 1" joint length and installed with stainless steel acorn nuts and bolts.		X		
	696	Covers shall have full-length handrails installed along the rear lip.		X		
	697	Five (5) additional grab handles mounted on the top-side of the covers shall also be provided, location(s) TBD.		X		
	698	The hose bed covers shall have adequate pneumatic gas shocks to assist with opening and closing, a safety chain or cable to keep the covers from traveling over center and a positive latching device to keep the covers in the upright position. The gas shock pivot points in the hose bed shall have protective stainless steel covers installed.		X		
	699	Red vinyl end skirts with three (3) straps and stainless steel quick release thumb spring buckles will be installed on each hose bed cover. Rubber coated hooks and stainless steel footman loops will secure the end skirts/bed covers to the main body. Apparatus shall be shipped with one extra set of bed covers.		X		
	700	One (1) hose bed cover shall have a hat section fabricated on the underside of the cover (right side) to house one (1) back-board. Dimensions for the hat section shall be 3.5" high, 20" wide and 72" long. The hat section shall have drain holes on the lower side and one (1) nylon Velcro strap and loop to secure the back-board within the hat section. This side shall be water and dust resistant as to keep out the most amount of dust possible so gear can be stored inside when out of county.		X		
	701	The hose-bed covers shall be reinforced so that they will support the weight of personnel walking on the cover. Covers shall be of a flat design when closed to avoid an off-balance condition while walking on them		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Cross-lay Hose Compartment	702	One (1) cross-lay hose bed shall be provided, located above the pump panel on top of the pump module as far forward as possible. The hose bed shall be large enough to accommodate a minimum of 300 ft. of 1½" double jacket pre-connected fire hose and be a minimum of 5" wide, 28" high and the width of the pump module. The hose bed shall be provided with a single, full width, aluminum diamond-plate cover, be hinged on the forward edge with a polished stainless steel hinge, complete with end skirts, straps, and quick release buckles (matching main hose-bed). Brushed stainless steel hose guides/rollers shall be provided on the left and right side of each hose bed.		X		
	703	The cross-lay discharge shall be plumbed with 2" piping and a 2" discharge valve. The plumbing for the discharge outlet shall terminate centered/under the crosslay tray with 1½" a NST male Chicksan swivel fitting and allow easy coupling of the hose with a gloved hand and ensure that the coupled hose does not extend past the body exterior.		X		
	704	The cross-lay hose bed floors shall be provided with removable aluminum slats spaced ½" apart for proper hose ventilation.		X		
Rear Pre-Connect Hose Storage	705	A separate hose bed divider shall be installed 5" from the outboard side of the main hose bed for the storage of 200 feet of 1½" pre-connected double jacket fire hose and combination nozzle. This storage area shall be adjacent to the rear 1½" discharge. Bolt ends or other sharp projections extending into the hose compartment, which may interfere with, or damage hose is not acceptable. Use of "acorn" nuts is preferred. The minimum size shall be 5" wide, full hose-bed height and full hose-bed length. The divider shall be manufactured from brushed aluminum and the outside edges will be fabricated with a double break flange with welded corners. The rear/top portion of the divider shall have a cutout to act as a hand hold.		X		
Front Bumper Hose Storage	706	A hose compartment designed to hold 20' of 3 inch hose and 20' of 1.75" hose rolled shall be designed. The compartment shall be manufactured and installed behind the 16" extended front bumper and be as large as possible. The compartment shall be full width between the frame rails, shall not extend more than 2" below the bumper, and include Dri-Deck (or comparable) and drain holes thru the floor. The hose shall be accessible from the top of the compartment and an aluminum diamond plate cover to match the gravel shield shall be provided. The cover shall be hinged on the rear (cab side) and designed to allow for the hose to be pre-connected to either front discharge. The cover shall be held in the open position with a gas shock and secured in the closed position with a quick release thumb latch type device.		X		
Front Bumper Pre-Connect Attack Lines	707	Two (2) hose compartments each designed to accommodate 50 feet of 1½" pre-connected double jacket fire hose and nozzle shall be provided. The trays shall be located behind the front bumper extension, outboard of the left and right frame rails. They shall be incorporated into the construction of the gravel shields and not extend more than 2" below the front bumper. The hose shall be accessible from the top of the compartment(s) and an aluminum diamond plate cover(s) to match the gravel shield shall be provided. The cover(s) shall be hinged on the rear (cab side) and be designed to allow for the hoses to be pre-connected to the front discharge next to the Compartment(s). The cover(s) shall be secured in the closed position with a quick release thumb latch type device and a device to stop the open cover from making contact with the body/cab. The trays shall be properly reinforced from the underside to prevent flexing or vibration and be provided with drain holes and a removable aluminum rack or a slotted floor for air circulation.		X		
Miscellaneous	708	The following items are to be provided by the apparatus manufacturer and shipped with each completed apparatus:		X		
	709	Two (2) 7' lengths of 4" Kocheck Maxi-Flex Suction Hose (small lug) w/NH threads.		X		
	710	One (1) 6' length of 4" Kocheck Maxi-Flex Suction Hose (small lug) w/NH threads.		X		
	711	All coupling ends shall have folding handles.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
Equipment	712	One (1) 4" Kochek Chrome Suction Hose Strainer w/NH threaded couplings.		X		
	713	One (1) 4" TFT manual gate valves. Note: part number ABS8NP-NX-PS		X		
	714	One (1) Digging Bar, Porter 5 foot # 17700		X		
	715	One (1) Pike Pole 86" fiberglass handle.		X		
Miscellaneous Equipment (continued)	716	One (1) Duo Safety series 912, 16' three (3) section extension fire service ladder.		X		
	717	One (1) aluminum tool holder for short handled fire tools.		X		
	718	One (1) aluminum tool holder for long handled tools.		X		
	719	Four (4) single cup beverage holder. Troy Products part #AC-BH(S)95, (800-700-8769).		X		
	720	Two (2) ZICO aluminum chock block model # AC-32 with mounting brackets and safety latches.		X		
	721	Brackets to be mounted under rear body compartments behind rear tire mud flaps. (or approved compartment for storage not already described in the specification. i.e. dead space in the pump panel)		X		
Warranty	722	The contract must supply a warranty statement that will include Manufacturer's obligations and capability of furnishing parts and technical assistance to the customer for the normal life of the vehicle, fifteen (15) years.		X		
	723	The manufacturer shall warranty the apparatus as follows: <ul style="list-style-type: none"> • commercial cab/chassis - 1 year bumper to bumper • cab/chassis added components - 5 years • apparatus body/components - 5 years • apparatus body/structure - 20 years • apparatus water tank - 20 years • apparatus poly tank - lifetime 		X		
	724	The manufacturer shall include with proposal a detailed description of their warranty(s) for the proposed apparatus and included assembled components		X		
	725	The unit shall be guaranteed against defective material or workmanship and shall be guaranteed to conform to the requirements of the test and any and all other requirements specified herein.		X		
	726	Failure to make changes to conform to any clause of these specifications within 30 days after notice is given to the vendor of non-compliance shall be cause for rejection of the apparatus.		X		

SECTION			Exceeds	Complies	NO	Exceptions/ Clarifications/ Comments
	727	The manufacturer will be required to handle all repairs or replacement of parts that come within the standard factory warranty. The warranty shall begin after all repairs and adjustments are completed, and the vehicle has been "accepted" by the OCFA Fleet Services Section.		X		
Dimensions & Weight Restrictions	728	The following vehicle dimensions and restrictions shall not be exceeded:		X		
	729	• Length: 309"		X		
	730	• Height: 117" (body not to exceed top of light bar height)		X		
Dimensions & Weight Restrictions (continued)	731	• Body width: 102"		X		
	732	• Overall vehicle width: 118" (includes mirrors/accessories)		X		
	733	• Wheelbase: 175"		X		
	734	• Hose bed height: 81" (rear hose bed)		X		
	735	• Crosslay height: 76"		X		
	736	• Minimum pump module/running board/under cab compartment ground clearance: 20"		X		
	737	• Axle housing clearance: 10"		X		
	738	• Angle of approach: no less than 30° (fully loaded)		X		
	739	• Angle of departure: no less than 24° (fully loaded)			X	21 DEGREES. DISCUSS AT PRECON
	740	• Minimum compartment depth shall be 13"		X		
	741	• Manufacturer's gross vehicle weight rating (GVWR) no less than 35,000 lbs		X		
Back up Camera	742	Back up camera shall be provided. Preferred camera would be a Federal Signal or Rear View Systems design. Camera needs to be mounted in such a manner so that it will not become damaged.		X		



FREIGHTLINER M2 106 4X4
4 DOOR CREW CAB
DARELY JMP 500 PTO 500 GPM 2 STAGE
DARLEY 1.5 AGE 26BSD 120 GPM
500 WATER/20 FOAM GALLONS TANK, SS
92" INTERFACE, 12 GA STAINLESS STEEL

THIS DRAWING IS A GENERAL
CONFIGURATION AND MAY NOT
NECESSARILY REFLECT ALL
CONTRACTUAL REQUIREMENTS.
CONTRACT SPECIFICATIONS SHALL
PREVAIL OVER DRAWING.

CUSTOMER APPROVAL:

NAME:

TITLE:

DATE:

SYM	DATE	REVISION DESCRIPTION	APP'D
A			
SALES ENGINEER : TBD			

DIMENSIONS ARE APPROXIMATE & MAY VARY DUE TO BUILD ADJUSTMENTS			
SCALE	DWG SIZE	DRAWN BY	DATE
1"=24"	D	JJM	10/10/2018
APPROVED BY JCM			
COMMERCIAL INTERFACE PUMPER			
ORANGE COUNTY FIRE AUTHORITY			
PROPOSAL			

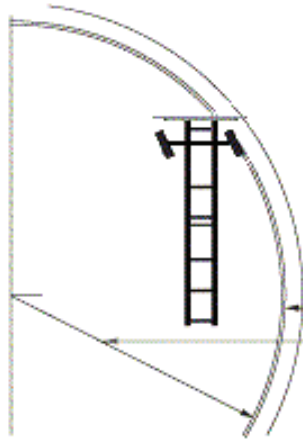


OCFA Compt Volume	Width	Height	Depth*	Qty	Volume (in^3)	Volume (ft^3)	Specified Width	Specified Height	Specified Depth
Left / Right Rear Compartment Lower Section	36	32	23	2	52992	30.66666667	38	60	24
Left / Right Rear Compartment Upper Section	36	28	14	2	28224	16.33333333	38		12
Left / Right Over-Wheel-Well Compartment	54	43	14	2	65016	37.625	50	40	14
Rear Compartment**	50	31	25	1	38750	22.42476852	50.5	31.5	26
Right Side Pump Module Compartment	15	51	14	1	10710	6.197916667	15	48	15
Right Side Under Cab Compartment	29	19	25	1	13775	7.971643519	29.25	19.25	25
Left Side Under Cab Compartment	26	19	21	1	10374	6.003472222	26.25	19.25	21
Upper Storage Compartments	78	11	12	2	20592	11.91666667	ALAP	11	12
Total:						139.1394676			

* 1" has been deducted from the hinged doors

** Does not include upper width for long-handle tools

TURNING RADIUS



Turning radius graphic and data provided strictly for comparisons between model configurations. Weather, road surfaces, and tire treads affect the results. It is strongly suggested that actual vehicles be measured before constructing any roads/driveways using this information. For specific figures regarding your configuration, please contact your CAE representative.

	Dimensions	Tolerance
Wall to Wall Diameter (ft)	58.4	+/- 3.0
Curb to Curb Diameter (ft)	56.8	+/- 3.0
Turning Radius (ft)	27.9	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model	M2106
Cab Size (829)	154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
Wheelbase (545)	4450MM (175 INCH) WHEELBASE
Front Tires (093)	MICHELIN XDS 12R22.5 16 PLY RADIAL FRONT TIRES
Width (in)	11.8
Front Axle (400)	MX-12-120HR-EVO 12,000# 1790MM KPI SINGLE FRONT DRIVE AXLE WITH HR CARRIER
Kingpin Intersection (in)	69
Bumper (556)	THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS
Width (in)	93.5
Bumper Miter to Front Axle (in)	21.458
Primary Steering Location (003)	LH PRIMARY STEERING LOCATION
Steering Gear (536)	TRW THP-60 POWER STEERING
Dual Steering Gear	NONE
Ram	NONE
Rear Axle (420)	RS-23-161 24,000# R-SERIES QUIET RIDE FIRE/EMERGENCY SERVICE SINGLE REAR AXLE
Axle Spacing (624)	NO AXLE SPACING

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



Department: Sales Engineering
P73-1-F5
Weight Analysis Form

Original Issue Date: 12/20/2011
Revision: 2
Revision Date: 06/05/2012

DATE: 10/11/2018					
BY: JCM					
GSO: PROPOSAL					
CUSTOMER - DEALER: Orange County, CA					
BODY STYLE: 92" INTERFACE 12 STAINLESS STEEL					
CHASSIS MAKE & MODEL: Freightliner M2106 4x4					
WHEELBASE: 172					
NUMBER OF PERSONNEL: 4					
FRONT GVWR: 12000					
REAR GVWR: 23000					
TOTAL GVWR: 35000					
ITEM DESCRIPTION	ITEM DETAILS	ITEM WEIGHT	INCHES FORWARD OF REAR AXLE	WEIGHT ON FRONT AXLE	WEIGHT ON REAR AXLE
CHASSIS WEIGHT:		14780		9181	5599
PERSONNEL (DRIVER/OFFICER):	2	500	124	360	140
PERSONNEL (CREW REAR FACING):		0	0	0	0
PERSONNEL (CREW FORWARD FACING):	2	500	74	215	285
BUMPER EXTENSION:	1	250	216	314	-64
BUMPER STORAGE WELL:	1	125	216	157	-32
CAB EMS CABINET:				0	0
PUMP WEIGHT:	1	1800	39	408	1392
CROSSLAYS:	1	130	50	38	92
SPEEDLAYS:				0	0
DECK GUN:				0	0
FRONT SUCTION:				0	0
REAR SUCTION:				0	0
FRONT DISCHARGES:	2	150	174	152	-2
REAR DISCHARGES:	1	100	0	0	100
TOP MOUNT PUMP PANEL:				0	0
REAR DIRECT TANK FILL:	2	50	-68	-20	70
HOSE REEL (INCLUDES HOSE):	1	150	38	33	117
WATER TANK (LOWER):	300	2670	-1	-16	2686
WATER TANK (UPPER):	200	1780	-1	-10	1790
FOAM TANK:	20	204	8	9	195
BODY WEIGHT:		3700	-18	-387	4087
EQUIPMENT ALLOWANCE:		1500	-18	-157	1657
LOCKER COMPARTMENT:	1	250	34	49	201
REAR STEP COMPARTMENT:	1	250	0	0	250
SCBA CYLINDER COMPT.:	4	120	15	10	110
HOSEBED (GENERAL):		1250	-18	-131	1381
HOSEBED (5"):		0		0	0
HOSEBED (4"):		0		0	0
HOSEBED (3"):		0		0	0

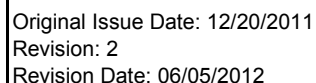
Page 2 of 2

EXHIBIT E: PRICING PAGE

The Orange County Fire Authority (OCFA) reserves the right to select the appropriate equipment for the Authority based on any combination of price, immediate availability, design, utility services, repair support or other features that are deemed to be in the best interest of the Authority. All factors will be considered in the selection process.

In a separate sealed envelope, please provide *one original copy* of itemized pricing for the dozer transport vehicle, as configured, including training, warranty and other costs. Reference to the pricing should not be included in any of the other submittals. The pricing should include the total price proposed to provide all the deliverables requested by the OCFA, and offered by your company, in this RFP. Check your calculations before submitting your proposal; OCFA will not be responsible for miscalculations.

PRICING FOR HEAVY DUTY SERVICE TRUCK PER SPEC 01-38-18

Item	Description	Unit of Measure	Qty	Unit Price	Ext. Total
1	TYPE 3 ENGINE Per Specification No. 18-03-03 YEAR: <u>2019</u> MAKE: <u>KME</u> MODEL: <u>TYPE 3 ENGINE</u>	Each	3	\$ 497,282.00	\$ 1,491,846.00
Sales Tax (7.75%)					\$ 115,618.07
Subtotal					\$ 1,607,464.07
2	Tire Fee per vehicle, non-taxable	Each	3	\$ 10.50	\$ 31.50
3	Exact transportation charges, if any, non-taxable	Each	3	\$ N/A	\$ N/A
4	Pre-Inspection Trip cost per person	Each	3	\$ 1,800.00	\$ 5,400.00
5	Mid Inspection Trip cost per person	Each	3	\$ 1,800.00	\$ 5,400.00
6	Final Inspection Trip cost per person	Each	3	\$ 1,800.00	\$ 5,400.00
Total					\$ 1,623,695.57

must also be included as part of the aggregation. Campaign contributions made to different directors or their alternates are not aggregated.

G. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 of the Political Reform Act and 2 Cal. Adm. Code Sections 18438-18438.8 as it relates to contract awards.

¹ Entitlement for the purposes of this form refers to contract award.

² All Contracts for the purposes of this form refer to the contract award of this specific solicitation.

PARTY DISCLOSURE FORM

Party's Name: Kovatch Mobile Equipment Corp DBA KME Fire Apparatus

Party's Address: One Industrial Complex Nesquehoning PA 18240

Party's Telephone: 909-937-3326

Solicitation Title and Number: RFP No JA2304-Type 3 Engines

Based on the party disclosure information provided, are you or your firm subject to party disclosures?

No ☒ If no, check the box and sign below. Yes ☐ If yes, check the box, sign below and complete the form.

Date: 10/15/2018


Signature of Party and/or Agent

Douglas B Kelley, Director of Engineering/Sales Support

To be completed only if campaign contributions have been made in the preceding twelve (12) months. Attach additional copies if needed.

Board Member(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

proceeding for this proposed involving a contract award. If an agent acting as an employee or member of a law, architectural, engineering, or consulting firm, or a similar business entity or corporation, both the business entity or corporation and the individual are agents.

4. To determine whether a campaign contribution of more than \$250 has been made by a participant or his or her agent, contributions made by the participant within the preceding 12 months shall be aggregated with those made by the agent within the preceding 12 months or the period of the agency, whichever is shorter. Campaign contributions made to different members or alternates are not aggregated.

5. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 and 2 Cal. Adm. Code Sections 18438-18438.8.

PARTICIPANT (AGENT) DISCLOSURE FORM

Prime's Firm Name: _____ N/A _____

Party's Name: _____

Party's Address: _____

Party's Telephone: _____

Solicitation Title and Number: _____

Based on the participant disclosure information provided, are you or your firm subject to participant disclosures?

No ☐ If no, check the box and sign below. Yes ☐ If yes, check the box, sign below and complete the form.

Date: _____

Signature of Party and/or Agent

To be completed only if campaign contributions have been made in the preceding twelve (12) months. Attach additional copies if needed.

Board Member(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Form **W-9**
(Rev. November 2017)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Give Form to the
requester. Do not
send to the IRS.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Kovatch Mobile Equipment Corp.

2 Business name/disregarded entity name, if different from above

KME Fire Apparatus

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☒ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ► _____

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

One Industrial Complex

6 City, state, and ZIP code

Nesquehoning PA 12840

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			-						
--	--	--	---	--	--	--	--	--	--

or

Employer identification number

2	3	-	2	3	6	7	6	0	7
---	---	---	---	---	---	---	---	---	---

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign
Here

Signature of
U.S. person ►

Regina Kuslavage

Date ► 10/15/2018

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**AUTOMATIC ADDITIONAL INSURED - VENDORS - WHEN REQUIRED IN WRITING IN A CONTRACT OR AGREEMENT WITH YOU**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE FORM

- A. SECTION II – WHO IS AN INSURED** is amended to include as an additional insured any person or organizations (referred to throughout this endorsement as vendor) with whom you have agreed in writing in a contract or agreement to include as an additional insured on your policy, but only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business.

However, the insurance afforded to such vendor:

1. Only applies to the extent permitted by law; and
2. Will not be broader than that which you are required by the contract or agreement to provide for such vendor.

- B.** With respect to the insurance afforded to these vendors, the following additional exclusions apply:

1. The insurance afforded the vendor does not apply to:
 - a. "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;
 - b. Any express warranty unauthorized by you;
 - c. Any physical or chemical change in the product made intentionally by the vendor;
 - d. Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;
 - e. Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;
 - f. Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;
 - g. Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or
 - h. "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE** in the **BUSINESS AUTO COVERAGE FORM** and Paragraph **e.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE** in the **MOTOR CARRIER COVERAGE FORM**, whichever Coverage Form is part of your policy:

This includes any person or organization who you are required under a written contract or agreement

between you and that person or organization, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

- (1) The exceptions contained in subparagraphs **d.** or **f.**; or
 - (2) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.
2. This insurance does not apply to any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.
- C. With respect to the insurance afforded to these vendors, the following is added to **SECTION III - LIMITS OF INSURANCE AND SELF-INSURED RETENTIONS**:

The most we will pay on behalf of the vendor is:

1. The amount of insurance required by the contract or agreement, minus the amount of damages payable by you within the "self-insured retention"; or
2. The amount of insurance available in excess of the "self-insured retention" under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

This endorsement does not change any other provision of the policy.

EXHIBIT H: OFFEROR'S INFORMATION

Please complete and/or provide all requested information. If the proposal is submitted by a corporation, please provide an additional attachment that states the names of the officers who can sign an agreement on behalf of the corporation and whether more than one officer must sign. If the proposal is by a partnership or a joint venture, state the names and addresses of all general partners and joint venture parties. If the respondent is a sole proprietorship or another entity that does business under a fictitious name, the proposal shall be in the real name of the respondent with a designation following showing "DBA (the fictitious name)," provided however, that no fictitious name shall be used unless there is a current registration with the Orange County Recorder.

The undersigned, as respondent, declares that all documents regarding this proposal have been examined and accepted and that, if awarded, will enter into a contract with the Orange County Fire Authority.

FIRM'S LEGAL NAME: Kovatch Mobile Equipment Corp. DBA KME Fire Appartus

FIRM PARENT OR OWNERSHIP: Rev Group

ADDRESS: One Industrial Complex Nesquehoning PA 18240

FIRM TELEPHONE #: 909-937-3326

FIRM FAX #: 909-937-1762

FIRM'S TAX I.D. NUMBER: 23-2367607

INCORPORATED: YES ☒ NO ☐

LEGAL FORM OF COMPANY: (partnership, corporation, joint venture): Corporation

LENGTH OF TIME YOUR FIRM HAS BEEN IN BUSINESS: Since 1985

LENGTH OF TIME AT CURRENT LOCATION: Since 1985

NUMBER OF EMPLOYEES: 689

NUMBER OF CURRENT CLIENTS: 260

Management person responsible for direct contact with the Orange County Fire Authority and service required for this Request for Proposal (RFP).

NAME: Brandon Gomez

TITLE: Apparatus Sales

TELEPHONE #: 909-917-4339

E-MAIL: bgomez@kmefire.com

Person responsible for the day-to-day servicing of the account.

NAME: Brandon Gomez

TITLE: Apparatus Sales

TELEPHONE #: 909-917-4339

E-MAIL: bgomez@kmefire.com

EXHIBIT I: CERTIFICATION OF PROPOSAL

In responding to RFP JA2271 – Heavy Duty Service Truck, the undersigned Offeror(s) agrees to provide the vehicles to OCFA per the specifications. Offeror further agrees to the terms and conditions specified herein and the following terms and conditions that are a part of this proposal and any resulting contract. Where Offeror wishes to propose alternatives to the Authority's contractual requirements, these should be thoroughly explained. While exceptions will be considered, OCFA reserves the right to determine that an offer is non-responsive based upon any exceptions taken. OCFA's governing body reserves the right to deny any material exceptions to the contract. If no contractual exceptions are noted, Offeror will be deemed to have accepted the terms and conditions as set forth.

- A. The Offeror hereby certifies that the individual signing the submittal is an authorized agent for the Offeror and has the authority to legally bind the Offeror to the Contract. Signature below verifies that the Offeror has read, understands, and agrees to the conditions contained herein and on all of the attachments and agenda.
- B. The submission of the offer did not involve collusion or other anti-competitive practices.
- C. The Offeror has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, meal or service to a public servant in connection with the submitted offer.
- D. The Offeror has submitted the Party, Participant (Agent) Disclosure Form if applicable.
- E. The Offeror shall not discriminate against any employee or applicant for employment in violation of Federal or State law.
- F. The Offeror complies fully with the Federal Debarment Certification regarding debarment suspension, ineligibility and voluntary exclusion.

Independent Price Determination:

I certify that this offer is made without prior understanding, arrangement, agreement, or connection with any corporation, firm or person submitting an offer for the same services, and is in all respects fair and without collusion or fraud. I certify that I have not entered into any arrangement or agreement with any Orange County Fire Authority public officer. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this offer and certify that I am authorized to sign this agreement for the Offeror.

To the Orange County Fire Authority:

The Undersigned hereby offers and shall furnish the services in compliance with all terms, scope of work, conditions, specifications, and amendments in the Request for Proposal which is incorporated by reference as fully set forth herein. The representations herein are made under penalty of perjury.

NAME OF FIRM: Kovatch Mobile Equipment Corp. DBA KME Fire Apparatus

ADDRESS: One Industrial Complex

CITY: Nesquehoning **STATE:** PA **ZIP CODE:** 18240

PRINTED NAME: Douglas B Kelley **TITLE:** Director of Engineering/Sales Support

SIGNATURE OF PERSON AUTHORIZED TO SIGN:  **DATE:** 10/15/2018



ORANGE COUNTY FIRE AUTHORITY

RFP JA2304 – TYPE 3 WILDLAND ENGINE

ADDENDUM ONE

September 13, 2018

Thank you to all who attended the non-mandatory pre-proposal meeting held on August 30, 2018. A list of those who attended the meeting is provided as an attachment to this addendum.

This addendum is issued to provide clarification and response to the questions submitted during the pre-proposal meeting.

Please note that as a result of the amount of questions and clarifications discussed during the pre-proposal meeting, and the changes provided in this addendum, the due date for RFP JA2304 will be extended until **Tuesday, October 16, 2018 at 11:00 a.m.** to allow prospective bidders time to review the addendum and make changes to their proposal if necessary.

Thank you for your interest in doing business with the OCFA.

Regards,

A handwritten signature in black ink, appearing to read "James Aguila".

James Aguila | Assistant Purchasing Agent
jamesaguila@ocfa.org | (714) 573-6647

The following are clarifications to specific line items from vehicle specification # 18-03-03 which were discussed during the pre-proposal conference. Changes are reflected in the revised vehicle specification # 18-03-03-REV:

1. **Line Item 3 – Clarification:** *Any reference to 1901 standards within 1906 shall be complied with.*
2. **Line Item 52 – Clarification:** *Current vehicle tilt angle is greater than or equal to 33°*
3. **Line Item 53 – Change:** *@200HP changed to @350HP*
4. **Line Item 74 – Clarification:** *Brand and Style: Plymovent Magnetic Attachment*
5. **Line Item 129 – Clarification:** *OEM Freightliner air lines acceptable. Any additions shall comply with spec.*
6. **Line Item 161 – Clarification:** *Entire vehicle to be OEM multiplexed system preferred.*
7. **Line Item 162 – Clarification:** *Entire vehicle to be OEM multiplexed system preferred.*
8. **Line Item 180 – Change:** *70-Gallon 50 Gallon Rectangular Aluminum Fuel Tank.*
9. **Line Item 186 – Clarification:** *OEM Standard is acceptable*

- 10. Line Item 188 – Clarification:** *used on anything added to the chassis, for example auxiliary pump components*
- 11. Line Item 198 – Clarification:** *Preference is fixed grill*
- 12. Line Item 206 – Clarification:** *102" Equipment maximum CAB & BODY width*
- 13. Line Item 210 – Clarification:** *Preference is no rear window*
- 14. Line Item 211 – Clarification:** *Intent of tint is to provide UV protection and heat reduction in the cab. Front windows and windshield to comply with CA state law. Rear windows to be as dark as allowable. Vendor to provide film to achieve intent.*
- 15. Line Item 242 – Clarification:** *To be center mounted. Exact location TBD during pre-construction.*
- 16. Line Item 243 – Clarification:** *To be center mounted. Exact location TBD during pre-construction.*
- 17. Line Item 244 – Clarification:** *To be center mounted. Exact location TBD during pre-construction.*
- 18. Line Item 246 – Clarification:** *Door warning lights to have admin switch to cancel operation during maintenance.*
- 19. Line Item 257 – Change:** *Install ~~one~~ two (2) un-terminated intercom cables.*
- 20. Line Item 309 – Change:** *Entire frame and undercarriage to painted job color*
- 21. Line Item 393 – Change:** *Install ~~one~~ (4) two (2) Electro Voice Model EVI-MIS-8C*
- 22. Line Item 518 – Clarification:** *OEM locations are acceptable provided they are on a slide out tray. Batteries can be mounted in two separate locations.*
- 23. Line Item 532 – Clarification:** *shall be mounted in close proximity to the batteries they supply without limiting access to service the batteries.*
- 24. Line Item 539 – Clarification:** *polished aluminum housing preferred*
- 25. Line Item 547 – Clarification:** *preference is to utilize Freightliner OEM headlight control*
- 26. Line Item 571 – Clarification:** *small light bar to be mounted at 45° angle to center light bar*
- 27. Line Item 577 – Change:** *Part number correction ~~XTP4MDSMCRW red/white~~
XTP4MDSMCRWRR red/red dual stacked LED*
- 28. Line Item 580 – Clarification:** *two antennas provided with Opticom shall be mounted on the roof. Exact location TBD during pre-con.*
- 29. Line Item 581 – Clarifications:** *Two siren speakers to be in grill as to not block or restrict air movement in the grille.*

- 30. Line Item 582 – Clarification:** *The EQ2B speaker to be flush mounted in the front bumper. Siren head and speaker quantity should remain the same. Alternative mounting options and locations will be considered.*
- 31. Line Item 587 – Change:** *The light heads will be attached to two (2) Whelen ~~side~~ interior compartment mounted push up light poles*
- 32. Line Item 588 – Clarification:** *alternative construction style options are acceptable provided the overall height, hose bed heights, vehicle width requirements are met and not impact the 13" minimum compartment depth as listed in line item 206.*
- 33. Line Item 636 – Delete:** *this line item has been deleted in its entirety*
- 34. Line Item 637 – Clarification:** *shelf capacity shall be 300lbs or greater and fully adjustable*
- 35. Line Item 673 – Clarification:** *the intent of diamond plate usage is to cover anything that is exposed*
- 36. Line Item 678 – Clarification:** *ladder is preferred option*
- 37. Line Item 690 – Clarification:** *Left rear Hose bed shall be engineered to accommodate 200' of 1.75" double jacket fire hose on the left side of the hose bed. The next section of the hose bed shall include storage for 500' of 2.5" double jacket fire hose with a horizontal divider mounted in it to provide for long handled tool storage below the 2.5" fire hose. The last section of the left hose bed shall incorporate storage for two 100' 1.75" double jacket fire hose bundles with a hinged horizontal shelf between the bundles.*
- 38. Line Item 713 – Clarification:** *part number ABS8NP-NX-PS*

The following line items have been added to the vehicle specifications:

- 39. The vehicle dimensions and weight restrictions have been added to the specifications as Line Items 728 – 741.**
- 40. Line Item 742 – Back up Camera**

The following questions were received via PlanetBids prior to the Q&A deadline:

- 41. Confirming there is no requirement for ANY operations, service or repair manuals? If yes, provide detail of what is to be provided and in what format(s) (paper, CD, USB, etc.)**

The following shall be furnished with each order:

- *Three (3) complete repair, parts and maintenance manuals, including engine and transmission, fire pumps, wiring and plumbing diagrams, etc. (as built).*
 - *CD's or DVD's will not be accepted in lieu of printed material but may be included as part of reference package.*

- Three (3) copies of current version diagnostic software for laptop application shall be provided for the following systems; the following shall be furnished with each unit delivered::
 - One (1) complete operational manual, including engine, chassis and transmission, fire pumps, pressure governor, siren controller(s), etc. and shall be shipped with each unit's loose equipment.
 - CD's or DVD's will not be accepted in lieu of printed material but may be included as part of reference package.

42. Provide detail as to what is to be included/covered in the "Orientation CD" referenced on page 9 (Other Conditions) of the RFP Solicitation Document and in what format(s) (paper, CD, USB, etc.)

One (1) master CD will be provided by the manufacturer that describes the overall vehicle features, vehicle specific operational procedures and station level maintenance. The CD shall be formatted with Windows 7 Power Point and utilize a completed OCFA apparatus for content (details will be provided by OCFA at pre-construction). The manufacturer will give the OCFA approval to make a sufficient number of copies of said CD. The CD shall be delivered and approved by the OCFA (final editing completed) prior to request for payment of vehicles.

An information sheet provided by the OCFA will also be required when the unit is delivered showing model numbers, size, makes, etc., of all components that pertain to the unit. An electronic version of this form will be supplied by OCFA. Builder is to complete sections two through four and return electronically to OCFA.

All available bound material (books, manuals, etc.) from chassis manufacturer, to include service, maintenance, repair and parts.

43. Line item #654, one (1) Blue Sea #4353 in compartment P3; is this to be wired battery "hot" or switched?

HOT

44. Confirm that no other 12-volt power port/USB charge ports are to be provided by the builder. If additional power ports are desired, please provide the type (plug or USB), location and if they will be battery switch controlled or battery "hot".

See Line item # 534. Shall be wired with the communication equipment HOT.

45. Line item #522, Switch 2146 remote control Cordura switch shall be installed in the cab (final location TBD at Pre-Con meeting); provide detail as to what this switch will control and confirm that it is a "Cordura" switch.

This is a blue sea battery isolator part #2146. Link provided for additional details:

[https://www.blueseas.com/products/2146/SPDT Remote Control Cordura Switch - ON-OFF-ON](https://www.blueseas.com/products/2146/SPDT_Remote_Control_Cordura_Switch_-_ON-OFF-ON)

46. As discussed in the pre-bid meeting, no pressure relief valve will be provided for the PTO (main) pump as the department has no plans to mobile pump utilizing this pump. That said, does OCFA desire an inter-lock be installed that disengages the PTO pump when the park brake is released to prevent unintentional operation of the pump while driving? This would

also prevent potential pump system damage caused by excessive pump pressure. Or is it preferred to leave "as is" so the PTO pump can be used as a back-up should the AUX pump fail?

Yes the manufacturer shall program a cutoff into the PTO engagement so that it does not damage the pump when the apparatus is in gear. It shall be connected to the release of the parking brake.

- 47. Based on the response to allow non-integrated water tank & body designs (not wet-side), does the OCFA still wish to require the apparatus body to be fabricated from 304 Stainless Steel? Most other apparatus in the OCFA fleet have Galvaneel or aluminum bodies. Request that OCFA approved alternative body materials be included in the information regarding the separate body/water tank design unless stainless steel will be retained.**

If an integrated, "wet tank", design is used the body shall comply to the spec. If an alternate tank choice is used by the manufacturer in the bidding process and can meet the height, dimensional, and tilt table tests then OCFA will entertain alternate body materials similar to those of our other apparatus.

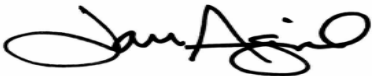
Engineering/Inspections Trips

Four (4) OCFA representatives will attend each engineering/inspection trip. This change has been reflected in an update to the pricing page on the following page.

Revised Vehicle Specification and Revised Pricing Page to be uploaded with Proposal.

Thank you for your interest in doing business with OCFA.

Best Regards,



James Aguila
Assistant Purchasing Agent

IMPORTANT: If submitting a hard copy paper proposal, Please sign below and return this document with your proposal as confirmation of receipt of Addendum 1.

Company Name: _____

Representative Name (print): _____

Representative signature: _____

EXHIBIT E: PRICING PAGE (REVISED 9-12-18)

The Orange County Fire Authority (OCFA) reserves the right to select the appropriate equipment for the Authority based on any combination of price, immediate availability, design, utility services, repair support or other features that are deemed to be in the best interest of the Authority. All factors will be considered in the selection process.

In a separate sealed envelope, please provide *one original copy* of itemized pricing for the dozer transport vehicle, as configured, including training, warranty and other costs. Reference to the pricing should not be included in any of the other submittals. The pricing should include the total price proposed to provide all the deliverables requested by the OCFA, and offered by your company, in this RFP. Check your calculations before submitting your proposal; OCFA will not be responsible for miscalculations.

Item	Description	Unit of Measure	Qty	Unit Price	Ext. Total
1	TYPE 3 ENGINE Per Specification No. 18-03-03 YEAR: _____ MAKE: _____ MODEL: _____	Each	3	\$	\$
Sales Tax (7.75%)					\$
Subtotal					\$
2	Tire Fee per vehicle, non-taxable	Each	3	\$	\$
3	Exact transportation charges, if any, non-taxable	Each	3	\$	\$
4	Pre-Inspection Trip cost per person	Each	4	\$	\$
5	Mid Inspection Trip cost per person	Each	4	\$	\$
6	Final Inspection Trip cost per person	Each	4	\$	\$
Total					\$

Single Source 5-Year Warranty: Provide a description of warranty coverage options for the Crew Carrier Vehicles acquired under this contract. Describe proposed warranty in detail, including coverage, exclusions, and limitations. (Attach additional pages as necessary):

GOVERNMENT / CO-OPERATIVE CONTRACT: Is your pricing based on a Government or Co-operative contract? **YES** _____ **NO** _____

If yes, please provide details of which agency and contract the pricing is based on:

"PIGGYBACK" CLAUSE. Offeror shall indicate below if they will extend the same prices, terms, and conditions of the proposal to other public agencies. Offeror's response to this question will not be considered in award of contract. When the Offeror extends the prices, terms, and conditions of this proposal to other public agencies, the contract shall be between Offeror and the other agencies, and the Orange County Fire Authority shall bear no responsibility or liability for the contracts. **Yes** ____ **No** ____

PAYMENT TERMS: Subsequent to delivery and acceptance of delivery, the supplier must submit an invoice for payment. Invoices can be sent electronically to: ap@ocfa.org or mailed to:

Orange County Fire Authority
Attention: Accounts Payable
PO Box 53008
Irvine, CA 92619

Invoices shall include the Company's Federal Tax ID#, Purchase Order #, quantity & description of the product delivered, the delivery location, date of delivery and price. Payment shall be made within thirty (30) days after receipt of accurate invoice. Invoices are to be submitted in arrears for goods provided. OCFA will endeavor to honor any "prompt payment discounts" when appropriately earned. Payment discounts must be clearly indicated in the bid submission. Payment discount periods shall be computed from the date of receipt of the material/service or correct invoice, whichever is later, to the date OCFA's warrant is mailed.

PRICE CHANGES: Contract pricing shall remain fixed for one (1) year from the issuance of the initial Purchase Order. Price changes after the first year purchase shall be negotiated, but shall not exceed the most recent available 12-month period for the Producer Price Index (PPI) for Heavy Duty Truck MFG, Series ID PCU336120336120. Vendors must provide verifiable documentation from the manufacturer for any price changes in excess of the PPI. Any such requests must include dated manufacturer list prices at the time that the proposal was submitted and dated manufacturer lists prices at the time the increase was requested. OCFA's determination will be final.

TERM OF OFFER - It is understood and agreed that this offer may not be withdrawn for a period of one hundred eighty days (180) from the Proposal Submittal Deadline, and at no time in case of successful Offeror.



ORANGE COUNTY FIRE AUTHORITY

RFP JA2304 – TYPE 3 WILDLAND ENGINE

ADDENDUM TWO

September 19, 2018

This addendum is issued to provide clarification and response to a question received in response to a clarification on addendum 1.

Thank you for your interest in doing business with the OCFA.

Regards,

A handwritten signature in black ink, appearing to read "James Aguila".

James Aguila | Assistant Purchasing Agent
jamesaguila@ocfa.org | (714) 573-6647

The following question was received in response to Addendum 1:

1. In review of Addendum 1 for this RFP, I see that Line Item #52 states; current vehicle tilt angle is greater than or equal to 33°. Previous OCFA Type 3 apparatus specifications have required 30°. Additionally, CAL-FIRE and most other agencies with Type 3 apparatus typically use 30° as their requirement as well. Could you please follow-up with the group to see if 33° is indeed the correct requirement or possibly just a typo?

Line item 52, which states 33° is incorrect. Greater than or equal to 30° is desired with vehicle loaded as per NFPA 1906 including all loose equipment and firefighter weights on board.

Thank you for your interest in doing business with OCFA.

Best Regards,

A handwritten signature in black ink, appearing to read "James Aguila".

James Aguila
Assistant Purchasing Agent

IMPORTANT: If submitting a hard copy paper proposal, Please sign below and return this document with your proposal as confirmation of receipt of Addendum 1.

Company Name: _____

Representative Name (print): _____

Representative signature: _____



REQUEST FOR BEST AND FINAL OFFER
RFP JA2304 – TYPE 3 WILDLAND ENGINE

DATE BEST AND FINAL OFFER REQUESTED: December 20, 2018
DUE DATE FOR BEST AND FINAL OFFER: January 3, 2019 at 12:00PM

KME Fire Apparatus
bgomez@kme.fire.com

Dear Brandon Gomez,

Your firm, KME Fire Apparatus, submitted a proposal in response to the above referenced Request for Proposal (RFP) issued by the Orange County Fire Authority (OCFA). KME, has been selected as a finalist for further consideration in the RFP evaluation. As part of the negotiation process, the Orange County Fire Authority is exercising the right to request a Best and Final Offer (BAFO) for further evaluation and consideration.

KME Fire Apparatus, is invited to submit its BAFO for consideration in the award determination process. Best and Final Offers must be received no later than **12:00 P.M. January 3, 2019**. The BAFO may be submitted by email.

The purpose of the Best and Final Offer is to allow both OCFA and your firm to make any modifications to the required specifications, terms or conditions, of the contract before making the final decision in the award. In addition, the BAFO also provides your firm an opportunity to make final adjustments to the proposed pricing included in your original proposal.

Based on the submitted proposal, OCFA would like to request any additional pricing improvements you would like to offer to assist in making an award.

Best and Final Offers must be received by the Orange County Fire Authority - Purchasing Section no later than the deadline specified above. If a response is not received by the deadline, your original offer will serve as the final offer. Please submit your response to this request via e-mail to: jamesaguila@ocfa.org. The Best and Final Offer will further assist in making our final award recommendation.

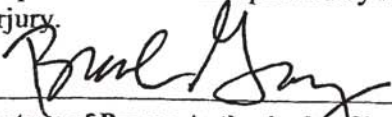
Thank you again for your continued interest in doing business with Orange County Fire Authority.

Best Regards,

James Aguila
Assistant Purchasing Agent

TO THE ORANGE COUNTY FIRE AUTHORITY:

The Undersigned hereby amends the original proposal as indicated in this Best and Final Offer and shall provide the Executive Recruitment Services in compliance with all terms, conditions, specifications, and amendments in the Request for Proposal which is incorporated by reference as if fully set forth herein. The representations herein are made under penalty of perjury.


Signature of Person Authorized to Sign

BRANDON GOMEZ

Printed Name

1/2/19
Date

KME SALES MANAGER
Title

BEST AND FINAL OFFER PRICING

The initial proposal pricing that was submitted is provided below with an additional section provided for a BAFO adjustment. As a result of the vendor interview, the following changes are requested to be included in the BAFO pricing consideration:

				Original Proposal Pricing		BAFO Pricing	
Item	Description	Unit of Measure	Qty	Unit Price	Ext. Total	Unit Price	Ext. Total
1	TYPE 3 ENGINE Per Specification No. 18-03-03 YEAR: <u>2019</u> MAKE: <u>KME</u> MODEL: <u>TYPE 3 ENGINE</u>	Each	3	\$497,282.00	\$1,491,846.00	NO CHANGE	NO CHANGE
Sales Tax (7.75%)					\$115,618.07	NO CHANGE	NO CHANGE
Subtotal					\$1,607,464.07	NO CHANGE	NO CHANGE
2	Tire Fee per vehicle, non-taxable	Each	3	\$10.50	\$31.50	NO CHANGE	NO CHANGE
3	Exact transportation charges, if any, non-taxable	Each	3	N/A	N/A	NO CHANGE	NO CHANGE
4	Pre-Inspection Trip cost per person	Each	3	\$1,800.00	\$5,400.00	NO CHANGE	NO CHANGE
5	Mid Inspection Trip cost per person	Each	3	\$1,800.00	\$5,400.00	NO CHANGE	NO CHANGE
6	Final Inspection Trip cost per person	Each	3	\$1,800.00	\$5,400.00	NO CHANGE	NO CHANGE
Total					\$1,623,695.57	NO CHANGE	NO CHANGE

BEST AND FINAL OFFER

Please confirm what the most realistic delivery lead time would be after award of a purchase order. For your estimate, please assume the earliest date a purchase order could be issued is January 28th, 2019.

Please let us know the following:

1. What is the approximate lead time for KME to receive the chassis from Freightliner?

At the time this letter was signed, Freightliner's lead time is 120 days from order.

2. What is the delivery lead time to OCFA after KME receives the chassis?

Delivery to OCFA is 180 days after receipt of chassis.

3. What is the maximum number of days from the date the Purchase Order is awarded until the Engines are delivered to OCFA?

Maximum number of days is 300.

Please provide any additional information you would like OCFA to consider:

We may be able to improve on the delivery time line based on items addressed at the pre-construction Conference. After pre-construction conference, we will obtain Freightliner's updated delivery schedule as well as reassess the build specifications and possibly provide a faster delivery time line.

Detroit Auto Locker will be provided for differential. KME can meet the 24 degree departure angle. All other items discussed at the bidder interview, are achievable but will need to be discussed further at the Pre-construction conference.



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3D
Consent Calendar

**Blanket Order Contract Renewal for
9-1-1 Voice Recording System Support and Maintenance**

Contact(s) for Further Information

Jim Ruane, Assistant Chief
Logistics Department

jimruane@ocfa.org

714.573.6172

Joel Brodowski, IT Manager

joelbrodowski@ocfa.org

714.573.6421

Summary

This agenda item is submitted for approval to extend and increase the previously approved contract with NICE-InContact, Inc. for the support and maintenance of OCFA's Voice Print International (VPI) 9-1-1 voice recording system.

Prior Board/Committee Action

At its January 28, 2016, Executive Committee meeting, the Committee approved a three-year sole source blanket order with VPI for 9-1-1 voice recording system maintenance at an amount not to exceed \$26,000.

RECOMMENDED ACTION(S)

Approve and authorize the Purchasing Manager to increase and extend a previously issued blanket order with NICE-InContact, Inc. for the support and maintenance of OCFA's Voice Print International 9-1-1 voice recording system for a three-year term at an amount not to exceed \$36,000 (\$12,000 annual).

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for this contract is available in the existing FY 2018/19 Logistics Department, Communications & IT Infrastructure budget.

Background

All OCFA 9-1-1 phone calls and radio transmissions are recorded and saved on the VPI voice recording system for possible future review. NICE-InContact, Inc. is the original equipment manufacturer, developer, and owner of software support and maintenance services for the VPI recording system. There are no other vendors authorized by NICE-InContact, Inc. to perform such services.

Staff obtained a three-year renewal quote for extended support and maintenance in an amount not to exceed \$31,897 as listed on the chart on the next page.

Description	Qty.	Price ea.	Total
Annual maint. Contract with upgrade plan, renewal	1	\$7,971	\$7,971
Annual maint. On HW (Year 1)	1	\$2,219	\$2,219
Annual maint. Contract with upgrade plan, renewal	1	\$8,370	\$8,370
Annual maint. On HW (Year 2)	1	\$1,886	\$1,886
Annual maint. Contract with upgrade plan, renewal	1	\$8,788	\$8,788
Annual maint. On HW (Year 3)	1	\$2,663	\$2,663
Total			\$31,897

Recommendation

Staff is requesting to approve and authorize the Purchasing Manager to extend and increase the current contract with NICE-InContact, Inc. for three years and in an amount not to exceed \$36,000 (\$12,000 annually). Additional funding has also been requested to account for additional support and maintenance that may be needed due to system expansion.

Attachment(s)

1. Sole Source Request Form
2. Quote

ORANGE COUNTY FIRE AUTHORITY

OCFA Sole Source Request Form

19 JAN -9 PM 2:26

The Purchasing Ordinance of the Orange County Fire Authority requires competitive bids and proposals for service and commodity contracts. A sole source is defined as a product or service that is available from only one known supplier as a result of unique performance capabilities, manufacturing processes, compatibility requirements or market conditions. The using department requesting a sole source shall provide written clear and convincing evidence to support a sole source determination, meaning that only one source exists to fulfill the requirements. This form is to be submitted with the purchase requisition to Purchasing with any sole source requests.

SECTION I - INSTRUCTIONS

1. Written justification on this form will be completed by the requesting department and submitted with the purchase requisition.
2. The request must be approved by the section manager and assistant chief prior to submitting the request to the purchasing manager.
3. All sole source forms must be submitted to the Purchasing Manager for approval. Based on the new ordinance the Fire Chief is not required to approve the sole source form. The sole source request may be submitted to Assistant Chief of Business Services by the Purchasing Manager for concurrence as required.
4. All sole source contracts exceeding \$50,000 (life of contract) require Executive Committee approval. In this case, the sole source request form must be submitted to the Executive Committee as an attachment to the staff report.
5. The approved sole source justification form will be included in the contract file.

SECTION II – REQUEST INFORMATION

Department/Section: Information Technology	Requested By: Joel Brodowski	Date: 9-Jan-2019
Recommended Vendor: NICE-InContact	Vendor Contact: Chris Morrissey	Vendor's E-mail Address: chris.morrissey@niceincontact.com
Vendor Address: 75 West Towne Ridge Parkway, Tower 1, Sandy, UT 84070		Vendor's Telephone #: 310-714-4673
Type of Contract: <input type="checkbox"/> One-time <input checked="" type="checkbox"/> Multi-Year <input checked="" type="checkbox"/> Renewal <input type="checkbox"/> Amendment <input type="checkbox"/> Increase	Contract Term (Dates): 1Mar2019 - 28Feb2022	Contract Amount: \$31,897
<i>If the contract type is a Renewal, Amendment or Increase, please provide previous contract information with this request (PO, BO, previous approval date, Chief approval or EC approval, and dollar amount).</i>		Attachments: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION III – JUSTIFICATION

1. **Provide a detailed description of the product or service requested. Describe what it is. Attach additional sheet if necessary.**

The OCFA uses the Voice Print International (VPI) system to record all radio channels and 9-1-1 telephone lines (105 total) that are used in the 9-1-1 Dispatch Emergency Command Center (ECC) for possible future review. This request is to renew the VPI support maintenance contract. VPI was recently acquired by NICE-inContact.

2. **Please state why the recommended vendor is the only one capable of providing the required services and/or commodities. Provide a summary of findings (research and analysis) including any supporting documentation which validates your recommendation (e.g., attach a manufacturer's letter verifying patented design and direct sale with no distributors) and demonstrates the sole source nature of this request. Attach additional sheet if necessary.**

NICE-inContact is the sole source for the purchase, support, and maintenance services for the Voice Print Inc. recording system used by the OCFA in the 9-1-1 Dispatch ECC. NICE-inContact is the developer and owner of the VPI software and has the exclusive rights for the performance of maintenance and support in our region for VPI products.

SECTION III – JUSTIFICATION (*continued*)**3. Pricing - What efforts were made to get the best pricing (e.g., did you simply request a quote, negotiate with the vendor, did the vendor provide a discount)? Please provide the quote with your sole source request.**

The OCFA must use NICE-inContact to provide software maintenance and support for the VPI system. Staff exhorts all vendors the OCFA partners with for technology contracts to provide the best pricing possible.

4. Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)? (If yes, please explain how and what the future costs will be.)



Yes. As long as the OCFA continues to use the VPI system to record radio channels and 9-1-1 telephone lines, a support contract with NICE-inContact will be necessary. If the OCFA continues to grow, it likely will be necessary to add additional radio channels and 9-1-1 phone lines that must be recorded and resulting license increase.

Annual increase is estimated to grow to approx. \$12,000 annual after 3 - years (currently approx. \$10,200 annual).

Sole Source Request Submitted by:


REQUESTORS NAME	SIGNATURE	DATE
Scott Johnson		9-Jan-2019
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Joel Brodowski		9-Jan-2019
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Jim Ruane		9-Jan-2019

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	1/10/19
ASSISTANT CHIEF BUSINESS SERVICES CONCURRENCE	DATE
	1/10/19

Executive Committee Approval Required ☐ Yes ☐ No Sole Source over \$50,000 *aggregate*

Executive Committee Approved: ☐ Yes ☐ No Date approved _____

NICE inContact	75 West Towne Ridge Parkway Sandy, UT 84070-5522	NICE UPTIVITY Agile WFO for SMB
Orange County Fire Authority 1 Fire Authority Rd Irvine, CA 92602 United States		QUOTE #: SO19716 DATE: 11/20/2018
		Bank Wire Bank: Citibank, N.A. Account Name: InContact, Inc. Account Number: 30854752 Routing Number: 021000089 SWIFT Code: CITIUS33 Pay By Check – Remit to: InContact, Inc. 75 West Towne Ridge Parkway, Tower 1 Attn: Accounts Receivable Sandy, UT 84070-5522
PURCHASE ORDER #	PAYMENT TERMS	END USER
	Net 30	Orange County Fire Authority

QUANTITY	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	MA Annual Maintenance Contract (AMC) with Upgrade Plan, renewal	\$7,971.00	\$7,971.00
1	Annual Maintenance on HW	\$2,219.00	\$2,219.00
1	MA Annual Maintenance Contract (AMC) with Upgrade Plan, renewal	\$8,370.00	\$8,370.00
1	Annual Maintenance on HW	\$1,886.00	\$1,886.00
1	MA Annual Maintenance Contract (AMC) with Upgrade Plan, renewal	\$8,788.00	\$8,788.00
1	Annual Maintenance on HW	\$2,663.00	\$2,663.00
		SUBTOTAL	\$31,897.00
		TOTAL	\$31,897.00

Orange County Fire Authority renewal on 105 VPI licenses:

Line 1/2: Standard 24x7_NBD - 3/1/2019-2/28/2020

Line 3/4: Standard 24x7_PR - 3/1/2020-2/28/2021

Line 5/6: Standard 24x7_PR - 3/1/2021-2/28/2022

This quote is exclusive of Sales Taxes. If you are Tax Exempt, please provide a tax exempt form.



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3E
Consent Calendar

Purchase of Motorola 800MHz Portable and Mobile Radios

Contact(s) for Further Information

Jim Ruane, Assistant Chief
Logistics Department

jimruane@ocfa.org

714.573.6172

Joel Brodowski, IT Manager

joelbrodowski@ocfa.org

714.573.6421

Summary

This agenda item is submitted for approval to continue a previously approved sole source purchase request with Motorola Solutions, Inc. for the purchase and repair of 800MHz portable and mobile radios and battery chargers utilizing the Orange County Contract Equipment Price Book Agreement #MA-060-15011560.

Prior Board/Committee Action

At its October 27, 2016, meeting, the Executive Committee approved the award of a sole source purchase order to Motorola Solutions, Inc., to purchase 1,555 new Motorola 800MHz radios, accessories, and programming services for the 800MHz Countywide Coordinated Communications System P25 upgrade project for the total amount of \$6,792,913.

RECOMMENDED ACTION(S)

1. Authorize the Purchasing Manager to issue a purchase order to Motorola Solutions, Inc. for the purchase of 101 radios and 200 battery chargers in an amount not to exceed \$626,317.
2. Approve and authorize the Purchasing Manager to issue a blanket order to Motorola Solutions, Inc. for the repair of Mobile Data Computers for a three-year term at a not to exceed total amount of \$90,000 (\$30,000 annual).
3. Authorize the Purchasing Manager to issue future purchase orders to Motorola Solutions, Inc. (through May 20, 2020) utilizing the Orange County Contract Equipment Price Book Agreement #MA-060-15011560 as long as funding is available in the adopted budget.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for this contract is available in the existing FY 2018/19 Capital Improvement Plan, Communications & Information Systems Fund 12110, and 124 budgets.

Background

Countywide Coordinated Communications System

The 800MHz Countywide Coordinated Communications System (CCCS) is a highly complex and critical system that is proprietary to Motorola. The system and its components are uniquely configured for Orange County, and Motorola is the only vendor who can supply the appropriate equipment and expertise to replace and/or repair equipment in the system. OCFA has standardized on Motorola radio equipment used in the Emergency Command Center, emergency vehicles, fire stations, and Operations personnel.

The CCCS is administered by the Orange County Sheriffs' Department (OCSD) Communications Division. OCSD/Communications Division was directed, in 2009, to develop the next generation system upgrade proposal including implementation of a P25 system digital architecture. This is the Federal Emergency Management Agency and Department of Homeland Security recommended technology for public safety communications interoperability.

Pricing

The Orange County Contract Equipment Price Book Agreement #MA-060-15011560 features a significant discount for agencies in Orange County resulting in a cost savings of \$236,346, or 27% lower price for the equipment requested as listed below. In addition, OCFA staff negotiated a flat-rate Mobile Data Computers repair rate with Motorola.

Description	Qty.	Price ea.	Total
APX 4500 7/800 w/encryption	23	4,838	111,272
Impres Vehicle chargers	200	311	62,205
APX6000XE 700/800 portable radio w/encryption	45	5,668	255,062
APX6500 700/800 Dual Control Head mobile radio w/encryption	2	4,959	9,917
APX6500 700/800 mobile radio	30	4,488	134,650
APX7500 700/800 Console	1	6,750	6,750
Remote Cables	4		67
		subtotal	579,924
		shipping/tax	46,394
<i>* Pricing per Orange County Price Book Agreement # MA-060-15011560</i>			626,317
Flat Rate Repair Pricing - Motorola Radio Report Center			
Motorola MW810 Display	each		\$560
Motorola MW810 CPU	each		\$675

Recommendation

Based on the special pricing offered by Motorola, staff is recommending approval to authorize the Purchasing Manager to issue a purchase order to Motorola Solutions, Inc. in the amount of \$626,317 to purchase radios and battery chargers, approval to issue a blanket order for the repair of Mobile Data Computers for a three-year term at an amount not to exceed total amount of \$90,000 (\$30,000 annual) and approval to issue future purchase orders to Motorola solutions utilizing the County Contract Equipment Price Book Agreement #MA-060-15011560 through May 20, 2020 as long as funding is available in the adopted budget.

Attachment(s)

Motorola Quote



Motorola Solutions
10680 Treena Street, Suite 200
San Diego, Ca 92131

Attention: Kim Caplan
Phone: 858-442-3979
Kim.caplan@motorolasolutions.com

Quote:010819OCFASUBSKC

PREPARED FOR: David Johnson
COMPANY : OCFA

Equipment Details and Pricing

Qty:	Model	Description	List Price	Price Book	Extended
<u>APX 6500 Mobile Radio with Encryption and No DEK</u>					
30	M25URS9PW1 N	APX6500 700/800 MHZ MID POWER MOBILE 1	\$ 6,699.00	\$ 4,488.33	\$134,649.90
30	G51	ADD: SMARTZONE OPERATION			
30	G806	ADD: ASTRO DIGITAL CAI OPERATION			
30	G361	ADD: P25 9600 BAUD TRUNKING			
30	GA00805	ADD: APX O7 CONTROL HEAD			
30	G444	ADD: CONTROL HEAD SOFTWARE			
30	G843	ADD: AES ENCRYPTION			
30	G67	ADD: REMOTE MOUNT MID POWER			
30	G335	ADD: ANT 1/4 WAVE 762-870 MHZ			
30	G996	ENH: OVER THE AIR PROVISIONING			
30	G298	ENH: ASTRO 25 OTAR W/ MULTIKEY			
30	W22	ADD: PALM MICROPHONE			
30	G24	ADD: 3 YEAR SERVICE ESSENTIAL SERVICE			
30	B18	ADD: AUXILIARY SPKR 7.5 WATT			
<u>APX6500 Dual Control Head with Encryption</u>					
2	M25URS9PW1 N	APX6500 700/800 MHZ MID POWER MOBILE 1	\$ 7,401.00	\$ 4,958.67	\$9,917.34
2	G806	ADD: ASTRO DIGITAL CAI OPERATION			
2	G51	ADD: SMARTZONE OPERATION			
2	G361	ADD: P25 TRUNKING SOFTWARE			
2	G843	ADD: AES ENCRYPTION			
2	GA00805	ADD: APX O7 CONTROL HEAD			
2	G444	ADD: CONTROL HEAD SOFTWARE			
2	G67	ADD: REMOTE MOUNT MID POWER			
2	G335	ADD: ANT 1/4 WAVE 762-870 MHZ			
4	W22	ADD: PALM MICROPHONE			
4	B18	ADD: AUXILIARY SPKR 7.5 WATT			
2	G996	ENH: OVER THE AIR PROVISIONING			
2	G298	ENH: ASTRO 25 OTAR W/ MULTIKEY			
2	G24	ADD: 3 YEAR SERVICE ESSENTIAL SERVICE			
2	GA00092	ADD: DUAL-CONTROL HARDWARE			
2	G628	ADD: REMOTE MOUNT CBL 17 FEET	\$ 15.00	\$ 10.05	\$20.10
2	G609	ADD: REMOTE MOUNT CBL 50 FEET	\$ 35.00	\$ 23.45	\$46.90
<u>APX6000XE 3.5 Portable Radio with AES Encryption Only</u>					
45	H98UCH9PW7BN	APX6000 700/800 MODEL 3.5 PORTABLE	\$ 7,818.00	\$ 5,668.05	\$255,062.25
45	Q806	ADD: ASTRO DIGITAL CAI OPERATION			
45	H38	ADD: SMARTZONE OPERATION			
45	Q361	ADD: P25 TRUNKING SOFTWARE			
45	Q629	ADD: AES ENCRYPTION			
45	G996	ADD: PROGRAMMING OVER P25 (OTAP)			
45	Q498	ENH: ASTRO 25 OTAR W/ MULTIKEY			
45	H885BK	ADD: 3 YEAR SERVICE ESSENTIAL SERVICE			
45	QA09000	ADD: DIGITAL TONE SIGNALING			
45	H43	ENH: RADIO TRACE/ REMOTE MONITOR			
45	QA04526	ADD: RFID KNOB			
45	QA02006	ENH: APX6000XE RUGGED RADIO			
<u>APX4500 Mobile Control Station with Encryption</u>					
23	M22URS9PW1 N	APX4500 7/800	\$ 6,673.00	\$ 4,837.93	\$111,272.28
23	QA02812	ADD: 3600 AND 9600 INTEROP			
23	G851	ADD: AES/DES-XL/DES-OFB ENCRYPTION			
23	GA00804	ADD: APX O2 CONTROL HEAD			
23	G444	ADD: APX CONTROL HEAD SOFTWARE			
23	G66	ADD: DASH MOUNT			
23	G335	ADD: ANT 1/4 WAVE 762-870MHZ			
23	W382	CONTROL STATION DESK GCAI MIC			

23	G996	ADD: PROGRAMMING OVER P25 (OTAP)
23	G298	ENH: ASTRO 25 OTAR W/ MULTIKEY
23	G142	ADD: NO SPEAKER NEEDED
23	G91	ADD: CONTROL STATION POWER SUPPLY
23	W665	ADD: CONTROL STATION OPERATION
23	GA01770	ENHANCEMENT LEVEL 1
23	G24	ADD: 3 YEAR SERVICE ESSENTIAL SERVICE

APX6500 Console AES Encryption Only (For First In)

1	L30UR59PW1 N	APX CONSOLETTTE 7/800	\$	9,310.00	\$	6,749.75	\$6,749.75
1	CA01598	ADD: AC LINE CORD US					
1	L999	ADD: FULL FP W/05/KEYPAD/CLOCK/VU					
1	G298	ENH: ASTRO 25 OTAR W/ MULTIKEY					
1	G361	ENH: P25 TRUNKING SOFTWARE APX					
1	G51	ENH: SMARTZONE OPERATION APX					
1	G806	ADD: ASTRO DIGITAL CAI OPERATION					
1	G843	ADD: AES ENCRYPTION APX					
1	G996	ENH: OVER THE AIR PROVISIONING					
1	W382	ADD: CONTROL STATION DESK GCAI MIC					
1	G78	ADD: 3 YEAR SERVICE ESSENTIAL SERVICE					
200	NNTN7624	IMPRES VEHICULAR CHARGER (FULL KIT)	\$	429.00	\$	311.03	\$62,205.00

Pricing per Orange County Price Book Agreement # MA-060-15011560

QUOTE TERMS AND CONDITIONS :

- 1) Quotes are exclusive of all installation and programming charges(unless expressly stated) and all applicable taxes.
- 2) Purchaser will be responsible for shipping costs, which will be added to the invoice.
- 3) Prices quoted are valid for thirty(30) days from the date of this quote.
- 4) Unless otherwise stated, payment will be due within thirty days after invoice.
- 5) The information provided in this quote is provided for budgetary purposes only, and does not constitute an offer to sell or license any Motorola product.

Subtotal	\$579,923.52	
Tax	\$46,393.88	
Shipping	\$0.00	Included
Total	\$626,317.40	



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3F
Consent Calendar

Award of Bid SK276 – Blanket Order for Fire Hose

Contact(s) for Further Information

Jim Ruane, Assistant Chief
Logistics Department

jimruane@ocfa.org

714.573.6028

Russ Snider, Service Center Supervisor

russnider@ocfa.org

714.573.6601

Summary

This item is submitted for the approval to issue a blanket order contract for the purchase of fire hose to L.N. Curtis & Sons, the lowest responsive responsible bidder, responding to Invitation for Bid SK2276.

Prior Board/Committee Action

Not Applicable.

RECOMMENDED ACTION(S)

1. Approve and authorize the Purchasing Manager to issue to L.N. Curtis & Sons a blanket order contract for various types of fire hose for an amount not to exceed a three-year total of \$909,096 (\$303,032) annually.
2. Approve and authorize the Purchasing Manager to execute up to two one-year renewal options provided that any proposed price increases do not exceed the 12-month change in the Producer's Price Index (PPI). In the event proposed price increases do exceed PPI, staff will either return to the Executive Committee for approval, or staff will complete a new bid process.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for fire hose is accounted for in the FY 2018/19 Budget, specifically in the Material Management Section's budget for inventory.

Background

The Service Center is responsible for maintaining an inventory of the various types of fire hose used in structural and wildland firefighting applications. A solicitation was issued on November 4, 2018. The solicitation provided an option for vendors to submit bids for multiple manufacturers and equivalents as approved by OCFA.

On December 11, 2018, four bids were received from the following vendors:

<i>Vendor</i>	<i>Estimated Annual Amount</i>
LN Curtis & Sons	\$303,031.90
AllStar Fire Equipment, Inc.	306,501.18
Municipal Emergency Services	394,859.30
Derotic*	0

**Derotic submitted a bid with no pricing and was deemed non-responsive.*

Since the estimated annual contract amount exceeds the threshold (\$250,000 annually) for commodity contracts as defined in the Roles and Responsibilities Matrix, staff is requesting Executive Committee approval to award the annual Blanket Order contract to L.N. Curtis & Sons.

The initial term of the contract to be awarded is three years with the option for two additional one-year renewals. Since it is not uncommon for production costs to fluctuate, it was clearly defined for bidders that price increases may only be requested in the 90-day period prior to the annual contract renewal date. It was also stated that price increases will only be permitted if they are less than the 12-month change in PPI for *Rubber and Plastics Water Hose (including fire, irrigation, etc.)* – Product Code 326220H5 for the month of June.

Recommendation

Staff is requesting approval for the Purchasing Manager to exercise the two additional one-year renewal options provided that any proposed price increases fall within these terms. Proposed increases for this contract which exceed the 12-month change in PPI would be brought to Executive Committee for approval.

Attachment(s)

Bid Tabulation

Bid Results for Project Fire Hose (SC2276)
Issued on 11/14/2018
Bid Due on December 11, 2018 11:00 AM (Pacific)
Exported on 01/08/2019

Line Totals (Unit Price * Quantity)					Recommend Award											
					LN Curtis			AllStar			MES			Derotic		
Item	Section	Description	UOM	Qty	Unit Price	Ext. Total	Comment	Unit Price	Ext. Total	Comment	Unit Price	Ext. Total	Comment	Unit Price	Ext. Total	Comment
1	Double Jacket Hose	1½" x 50' Per Specifications in Section 2.1.1 of the IFB Document	EACH	200	\$112.50	\$22,500.00	ALL AMERICAN FIRE HOSE, NP17X50Y15N	\$110.40	\$22,080.00	Key Hose DN17-800 Magnum	\$130.49	\$26,098.00	FIREQUIP - P/N# DN17YB	no bid	no bid	
2	Double Jacket Hose	1½" x 25' - Male to Female Per Specifications in Section 2.1.1 of the IFB Document	EACH	25	\$67.50	\$1,687.50	ALL AMERICAN FIRE HOSE, NP17X25Y15N	\$71.45	\$1,786.25	Key Hose DN17-800 Magnum	\$116.25	\$2,906.25	FIREQUIP - P/N# DN17YA	no bid	no bid	
3	Double Jacket Hose	2½" x 50' Per Specifications in Section 2.1.1 of the IFB Document	EACH	200	\$154.10	\$30,820.00	NORTH AMERICAN FIRE HOSE, DB25X50YEN	\$153.80	\$30,760.00	Key Hose DN25-800 Magnum	\$232.93	\$46,586.00	FIREQUIP - P/N# DN25YB	no bid	no bid	
4	Double Jacket Hose	3" x 50' Per Specifications in Section 2.1.1 of the IFB Document	EACH	50	\$203.25	\$10,162.50	ALL AMERICAN FIRE HOSE, NP30X50Y25N	\$205.65	\$10,282.50	Key Hose DN30-800 Magnum	\$283.95	\$14,197.50	FIREQUIP - P/N# DN30YB	no bid	no bid	
5	Double Jacket Hose	3" x 20' - Male to Female Per Specifications in Section 2.1.1 of the IFB Document	EACH	40	\$108.75	\$4,350.00	ALL AMERICAN FIRE HOSE, NP30X20Y25N	\$115.50	\$4,620.00	Key Hose DN30-800 Magnum	\$181.25	\$7,250.00	FIREQUIP - P/N# DN30Y-20	no bid	no bid	
6	Double Jacket Hose	4" x 20' - Male to Female, Rocker Lug Per Specifications in Section 2.1.1 of the IFB Document	EACH	20	\$198.90	\$3,978.00	ALL AMERICAN FIRE HOSE, TD40X20Y40N	\$222.75	\$4,455.00	Key Hose DN40-600 Magnum	\$262.50	\$5,250.00	FIREQUIP - P/N# DN40Y-20	no bid	no bid	
7	Double Jacket Hose	4" x 20' - Female Rocker Lug to Female Long Handle, Soft Suction Per Specifications in Section 2.1.1 of the IFB Document	EACH	40	\$238.00	\$9,520.00	ALL AMERICAN FIRE HOSE, TD40X20Y40NFLX40NF	\$275.00	\$11,000.00	Key Hose DN40-600 Magnum	\$312.20	\$12,488.00	FIREQUIP - P/N# SSDN40YBRLFLHF	no bid	no bid	
8	Double Jacket Hose	4" x 50' Per Specifications in Section 2.1.1 of the IFB Document	EACH	200	\$345.65	\$69,130.00	ALL AMERICAN FIRE HOSE, TD40X50Y40N	\$353.75	\$70,750.00	Key Hose DN40-600 Magnum	\$457.83	\$91,566.00	FIREQUIP - P/N# DN40YB	no bid	no bid	
9	Double Jacket Hose	4" x 100' Per Specifications in Section 2.1.1 of the IFB Document	EACH	150	\$598.90	\$89,835.00	ALL AMERICAN FIRE HOSE, TD40X100Y40N	\$588.10	\$88,215.00	Key Hose DN40-600 Magnum	\$792.77	\$118,915.50	FIREQUIP - P/N# DN40YD	no bid	no bid	
10	Single Jacket Hose	1" x 100' - NPSH Couplings Per Specifications in Section 2.1.2 of the IFB Document	EACH	60	\$103.80	\$6,228.00	ALL AMERICAN FIRE HOSE, 8F10X100Y15I	\$98.75	\$5,925.00	Key Hose SP10-600 TYPE II Forestry	\$90.00	\$5,400.00	FIREQUIP - P/N# FP10YD	no bid	no bid	
11	Single Jacket Hose	1½" x 100' - NST Threaded Couplings Per Specifications in Section 2.1.2 of the IFB Document	EACH	144	\$109.50	\$15,768.00	ALL AMERICAN FIRE HOSE, 8F15X100Y15N	\$104.20	\$15,004.80	Key Hose SP15-600 TYPE II Forestry	\$120.00	\$17,280.00	FIREQUIP - P/N# FP15YD	no bid	no bid	
12	Rubber Hose	2" x 50' Per Specifications in Section 2.1.3 of the IFB Document	EACH	8	\$195.95	\$1,567.60	ALL AMERICAN FIRE HOSE, HFX20X50B15N	\$154.90	\$1,239.20	Key Hose RC-20-600 Dura Flow	\$175.00	\$1,400.00	FIREQUIP - P/N# HF20BB	no bid	no bid	
13	Rubber Hose	2½" x 8' Per Specifications in Section 2.1.3 of the IFB Document	EACH	4	\$70.50	\$282.00	ALL AMERICAN FIRE HOSE, HFX25X8B25N	\$70.15	\$280.60	Key Hose RC25-600 Dura Flow	\$67.50	\$270.00	FIREQUIP - P/N# HF25B-8	no bid	no bid	
14	Miscellaneous Hose	1" x 50' - Reel-Lite (or equivalent) w/NP Threads, Male to Female Per Specifications in Section 2.1.4 of the IFB Document	EACH	25	\$125.00	\$3,125.00	ALL AMERICAN FIRE HOSE, RL10YBIPT	\$151.90	\$3,797.50	Key Hose RR10-600 Reel Lite	\$136.25	\$3,406.25	FIREQUIP - P/N# RL10YB	no bid	no bid	
15	Miscellaneous Hose	1" x 100' - Reel-Lite (or equivalent) w/NP Threads, Male to Female Per Specifications in Section 2.1.4 of the IFB Document	EACH	25	\$239.15	\$5,978.75	ALL AMERICAN FIRE HOSE, RL10YDIPT	\$260.40	\$6,510.00	Key Hose RR10-600 Reel Lite	\$254.88	\$6,372.00	FIREQUIP - P/N# RL10YD	no bid	no bid	
16	Miscellaneous Hose	1" x 50' - Goodyear (or equivalent) w/NP Threads, Male to Female Per Specifications in Section 2.1.4 of the IFB Document	EACH	25	\$252.15	\$6,303.75	ALL AMERICAN FIRE HOSE, BH10RB	\$310.00	\$7,750.00	Parker Hannifin 7092-100 with Red Head Bar Way Couplings - 300 psi WP	\$282.93	\$7,073.25	FIREQUIP - P/N# BH10RB-NP	no bid	no bid	
					Subtotal	\$281,236.10		Subtotal	\$284,455.85		Subtotal	\$366,458.75		Subtotal	0	
					Tax	\$21,795.80		Tax	\$22,045.33		Tax	\$28,400.55		Tax		
					Total	\$303,031.90		Total	\$306,501.18		Total	\$394,859.30		Total	0	
17	Other	OCFA May elect to purchase items not listed above. Please indicate the manufacturer and the percent discount off of the Manufacturer's List price that will be extended. (Enter \$0.00 for Cost/Price)	LOT	0	\$0.00	\$0.00	ALL AMERICAN FIRE HOSE AND NORTH AMERICAN FIRE HOSE, 30%	\$0.00	\$0.00	This option will vary depending on manufacturer you are requesting.	\$0.00	\$0.00		no bid	no bid	



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3G
Consent Calendar

Blanket Order Contract Renewal and Rate Adjustment
for General Counsel Services

Contact(s) for Further Information

Lori Zeller, Deputy Chief
Administration & Support Bureau

lorizeller@ocfa.org

714.573.6020

Sherry Wentz, Clerk of the Authority
Business Services Department

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714.573.6041

Summary

This agenda item seeks approval to renew the blanket order for general counsel services provided by Woodruff Spradlin & Smart (WSS) which will include an increase to the contract rate for its blended legal services, from \$190 per hour to \$215 per hour and from \$95 to \$100 per hour for paralegals.

Prior Board/Committee Action

At the Executive Committee meeting of January 15, 2015, the Committee reviewed historical information about services provided by general counsel to OCFA since the formation of the Fire Authority. The Committee directed staff to continue utilizing services provided by WSS, and approved a new contract term of March 1, 2015, to February 28, 2016, and an additional 3 years through February 28, 2019.

RECOMMENDED ACTION(S)

1. Approve hourly rate increases from \$190 to \$215 per hour for blended legal services and \$95 to \$100 for paralegal services with Woodruff, Spradlin & Smart, effective March 1, 2019.
2. Approve and authorize the Purchasing Manager to renew the blanket order with Woodruff, Spradlin & Smart, reflecting the adjusted hourly rates for three years at an annual cost of \$525,000, with annual increases due to usage not to exceed 3%.
3. Direct staff to schedule an evaluation of General Counsel, to be conducted by the Board of Directors and completed no later than one year prior to the next contract renewal date of March 1, 2021.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Estimated annual increase of \$52,110 (approximately a 12% increase) depending upon usage and volume of work. At this time, staff expects to be able to accommodate the increase with the existing FY 2018/19 General Fund budget.

Background

The Amended OCFA Joint Powers Agreement states that “the Board shall appoint general counsel and special counsel to the Authority to serve as necessary.” General Counsel services are provided by Woodruff Spradlin & Smart under a blanket order approved by the Executive Committee on February 25, 2016, for a three-year term; therefore, approval is required to renew the blanket order.

Staff is seeking the Executive Committee’s approval to renew the blanket order for three years at an annual cost of \$475,000, with annual increases not to exceed 3%. In addition, staff is requesting approval to adjust the hourly rate.

The current hourly rate of \$190 for our General Counsel, Woodruff, Spradlin & Smart, has been in effect since April 1, 2008. Since that time, the Consumer Price Index for the Los Angeles and Orange County area has increased by over 19% and our market survey of legal services indicates that the requested adjustment is well within prevailing rates - particularly for the other regional agencies (see attached comparison).

Mr. Kendig and the other associates of Woodruff, Spradlin & Smart have continued to represent the OCFA since 1995. The depth of expertise available through this firm, along with accessibility and responsiveness is clearly outstanding. In addition to the day-to-day duties associated with use of legal counsel in reviewing legal and binding documents, such as agreements, contracts, and leases; personnel related duties; presentation of Closed Session reports; and general legal representation, the following highlights some of its major accomplishments since 2008:

- Lease/purchase of two Bell Helicopters
- The acquisition of Fire Station 41 (Fullerton Airport), development of sub-leases for use of additional available space within the facility, and training tower lease.
- The establishment of the OCFA Claims Settlement Committee.
- Establishment of a Cooperative Agreement with County of Orange regarding Proposition 1A Receivables, estimated the impact to OCFA at \$14 million dollars. Development of a side agreement between the two parties to ensure that the OCFA’s portion of property taxes would be included in the County’s securitization and would be paid to the OCFA shortly after the transaction closes
- Establishment and legal support of the Orange County Fire Authority Foundation.
- Annexation of Sunset Beach by the City Huntington Beach and transfer of fire and emergency services, and marketing and sale of Fire Station 3.
- Creation and implementation of the OCFA’s Handcrew, Fire Corp, and Fraud Hotline.
- District Attorney investigation of hazardous materials inspections.
- Various Grand Jury Responses
- Providing legal insight into the equity issue and service on the Equity Working Group.
- Transition of the City of Santa Ana service to the OCFA
- Urban Search and Rescue Warehouse Purchase and Construction Project
- AB1217 Defense
- OCFA Joint Powers Amendments 2, 3, and 4
- Purchasing Ordinance
- Legally maneuvering OCFA through an ambulance contract litigation.
- Air Operations Dispute with OC Sheriff

Attachment(s)

1. Legal Services Contracts Comparison
2. Rate Increase Request

LEGAL SERVICES CONTRACTS

Attachment 1

AGENCY	CONTRACT WITH	DATE	HOURLY RATES
MEMBER CITIES			
Aliso Viejo	Best, Best & Krieger	07/18/12	\$18,389 monthly fee; special projects: \$220 attorney, \$112 Paralegal; specialized services: \$248 attorney, \$141 paralegal
Buena Park	Richards, Watson & Gershon	07/01/15	\$8,000 monthly retainer; \$200 partners; \$190 senior associates; \$180 associates; \$140 paralegal; \$100 clerks
Cypress	Aleshire & Wynder	07/01/08	\$170 general legal services up to 45 hours \$190 general legal services over 45 hours \$215 litigation/special services \$105 legal assistants \$55 doc. clerks
Dana Point	Rutan & Tucker	02/20/18	\$9,876 monthly retainer fee for general legal services, plus reimbursable costs; hourly rate for non-retainer services \$253
Irvine	Rutan & Tucker	01/23/18	\$245 per hour for special counsel
La Palma	Rutan & Tucker	07/01/2017	\$8,400 monthly retainer \$240 Non-retainer litigation \$330 Project reimbursement from applicant
Laguna Hills	Woodruff, Spradlin & Smart	12/12/17	\$220 attorney; \$125 paralegal; \$275 third-party reimbursement matters
Laguna Niguel	Terry Dixon	01/01/17	\$195 legal services
Laguna Woods	Rutan & Tucker, LLP	04/01/11	\$225 attorneys and professionals; \$275 litigation and special projects; \$300 third-party reimbursement matters
Lake Forest	Best, Best & Krieger	07/02/14	\$165 general legal services, \$190 special services \$95 paralegal *Automatic annual increase on July 1 of each year based on the lesser amount of CPI for Los Angeles-Riverside-Orange County Area, for the previous calendar year or 5%.
Los Alamitos	Woodruff, Spradlin & Smart	09/18/17	\$200 attorney; \$255 specialize legal \$125 paralegal; \$275 third-party reimbursement matters; *Automatic annual increase based on CPI for Los Angeles-Riverside-Orange County Area, for the proceeding June 1 through May 30 period.

LEGAL SERVICES CONTRACTS

AGENCY	CONTRACT WITH	DATE	HOURLY RATES
Mission Viejo	Lozano Smith, LLP	01/27/14	\$2,300 per month for first 20 hours, after that \$255 City Attorney/Assistant City Attorney; other legal counsel based upon time served with the firm from \$175 to \$215 per hour; \$160 paralegal; plus reimbursables. *Automatic annual increase based on CPI for Los Angeles-Riverside-Orange County Area, for the proceeding Jan. 1 through Dec. 31 period.
Placentia	Jones & Mayer	07/21/15	\$8,750 retainer for first 50 hours; \$195 basic legal services over the retainer; \$195 special services/project; \$210 litigation for civil/criminal; \$100 paralegal; *Automatic annual increase based on CPI for Los Angeles-Riverside-Orange County Area for the prior year, effective as of the anniversary of the date of the agreement commencing in 2017.
Rancho Santa Margarita	Woodruff, Spradlin & Smart	No date provided	\$205 attorney; \$119 paralegal
San Clemente	Best Best & Krieger	09/04/18	\$37,500 monthly retainer, plus \$250 per hour for non-retainer general counsel services; \$315 per hour special counsel services
San Juan Capistrano	Best Best & Krieger	06/21/16	\$10,000 monthly retainer for up to 55 hours for basic legal services; general services: \$255 attorney, \$130 paralegal; \$310 special services: \$310 attorney, \$145 paralegal
Santa Ana	Best Best & Krieger	09/02/2014	\$254 Partner/Office Counsel/Sr. Associate/Jr. Associate; \$165 Paralegal/Clerical/Adm. Asst./Research Analyst *Automatic annual increase based on CPI for Los Angeles-Riverside-Orange County Area, not higher than 4%.
Seal Beach	Richards, Watson & Gershon	07/23/18	\$20,000 monthly retainer for up to 100 hours Additional services at current rates from \$225-\$500 per hour; \$310 per hour for special services
Stanton	Best Best & Krieger LLP	07/2016	\$12,900 monthly retainer; \$212 all attorneys; \$176 paralegal/research asst./clerk/adm/ asst.; Special Services: \$254 all attorneys; \$127 paralegal/research asst./clerk/adm/ asst.; Code Enforcement and Police Svs: \$223 all attorneys; \$119 paralegal/research asst./clerk/adm/ asst.

LEGAL SERVICES CONTRACTS

AGENCY	CONTRACT WITH	DATE	HOURLY RATES
Tustin	Woodruff, Spradlin & Smart	06/2017	\$218 attorney; \$122 paralegal
Villa Park	Rutan & Tucker	04/25/17	\$4,000 monthly retainer; negotiable special legal services
Westminster	Jones & Mayer	04/12/17	\$228.87 legal services
Yorba Linda	Best, Best & Krieger	01/2018	\$14,375 monthly retainer for first 75 hours of general services; \$210 general legal services; \$229 specialized legal services; \$125 paralegals/law clerks
REGIONAL ORGANIZATIONS			
OCTA	Woodruff, Spradlin & Smart	01/2008	\$299 general counsel; \$266 partners, \$225 associates; \$160 law clerk; \$100 paralegal * Automatic annual increase based on CPI for Los Angeles and Orange County areas
TCA	Nossaman, Guthner, Knox & Elliott	01/2007	\$140 general non-litigation services \$140 - \$550 hour for litigation (based on going rate for attorney providing services) \$60 paralegal
TCS	Nossaman, Guthner, Knox & Elliott	01/2007	\$295 general non- litigation services \$140 - \$550 hour for litigation (based on going rate for attorney providing services) \$100 paralegal
OC Sanitation District	Woodruff, Spradlin & Smart	01/2008	\$299 general counsel; \$266 partner; \$225 associates; \$160 law clerk; \$119 paralegal * Automatic annual increase based on CPI for Los Angeles and Orange County areas
Midway City Sanitary	Woodruff, Spradlin & Smart	06/10/13	\$225 partner; \$205 associate; \$125 paralegal
OCFA	Woodruff, Spradlin & Smart	03/2008	\$190 attorneys, \$95 paralegal/clerk services



DAVID E. KENDIG
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E-MAIL: DKENDIG@WSS-LAW.COM

December 26, 2018

VIA E-Mail and U.S. Mail

Honorable Chairman and Members of the Board of Directors
Orange County Fire Authority
1 Fire Authority Road
Irvine, California 92602

Re: Proposed CPI Adjustment to General Counsel Legal Services Rates

Dear Chair Sachs, Vice Chair Muller, and Honorable Members of the OCFA Board of Directors,

Woodruff, Spradlin & Smart has maintained our professional hourly rates fixed at \$190 per hour for the past several years as the Authority recovered from the difficult economic times after 2008 and the labor negotiations that transpired during that period. **The last time the firm's rates were adjusted was in 2008.** As you may be aware, many firms adjust their rates automatically on an annual basis. We are respectfully requesting a CPI increase to our blended hourly rate from \$190 to \$215 per hour for attorneys and from \$85 to \$100 per hour for paralegals. This blended rate for all attorneys regardless of expertise will continue to apply to litigation as well as to all transactional work. If approved, the proposed adjustment is requested to be effective February 1, 2019.

The proposed blended hourly rate of \$215 per hour for all attorney services is comparable to some firms but is quite lower than most charged by other full-service city attorney firms in the County and in many instances is significantly lower. For example, Best, Best & Krieger ("BB&K") provides city attorney services to Aliso Viejo and charges a range of between \$220 - \$248 per hour in addition to an \$18,389 fixed monthly retainer. BB&K also provides legal services to San Clemente and charges a \$37,500 monthly retainer plus \$250 per attorney hour for non-retainer General Counsel services, and \$315 per hour for "special services" including litigation, labor and employment, public finance and CEQA. BB&K also provides legal services to San Juan Capistrano and charges a range of between \$255 - \$310 per hour in addition to a \$10,000 retainer.

Some other public law firms such as Richards, Watson & Gershon and Rutan & Tucker also have considerably higher rates for general counsel and specialty services, ranging between \$250 to over \$300 per hour for many of the partners in the firm. Rutan & Tucker provides legal services to Dana Point and charges a fixed monthly retainer of \$9,867 and an additional rate of \$253 per hour. Rutan & Tucker also provides legal services to La Palma and charges a range of between \$240 - \$330 per hour as well as an \$8,400 retainer. Richards, Watson & Gershon

provides legal services to Seal Beach and charges a range of between \$335 – \$425 per hour in addition to a \$20,000 retainer. Jones & Mayer provides legal services to La Habra at \$229 per hour.

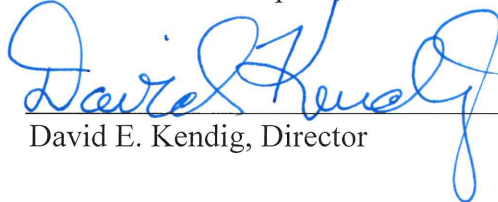
Our firm believes that a blended rate for all legal services for the Orange County Fire Authority is preferable to varying rates depending upon the attorney and type of work performed. We believe that this adds more predictability and stability to the General Counsel operational budget. We have found in our experience that a blended rate for all attorney services is both fair to the client and to the attorney. We are aware of the many important priorities being addressed within the Authority's budget, and we are extremely sensitive to keeping our rates reasonable.

It is a privilege and an honor to serve as your General Counsel, and I as well as the firm's team of attorneys, paralegals and support personnel assigned to the OCFA are committed to continuing to provide the Board and Authority staff with high quality, efficient, thorough and responsive legal services.

If you have any questions or concerns regarding this proposal, please feel free to contact me. Thank you for your consideration.

Sincerely,

WOODRUFF, SPRADLIN & SMART
A Professional Corporation



David E. Kendig, Director

cc: Brian Fennessy, Fire Chief
Lori Zeller, Deputy Chief

Encl: City Attorney Rate Survey

CITY ATTORNEY RATES – SURVEY

CITY	LAW FIRM	MONTHLY RETAINER	HOURLY RATES OUTSIDE OF RETAINER HOURS
Aliso Viejo	BB&K	\$18,389 fixed monthly fee for general services	\$220/hr. general services \$112/hr. paralegal services \$248/hr. special services (CEQA, Environmental, Labor, Employment & Litigation matters) \$141/hr. paralegal services
Dana Point	Rutan & Tucker	\$9,867 Fixed monthly fee for general services	\$253/hr. for all attorney services
Diamond Bar	Woodruff, Spradlin & Smart	No monthly retainer Automatic CPI annually in July	\$213/hr. general attorney services \$161/hr. paralegal \$260/hr. Litigation services
Irvine	Rutan & Tucker	No monthly retainer	\$245/hr. for all attorney Services \$295 +/hr. Project Reimbursed by Applicant \$140/hr. law clerk \$110/hr. paralegal services
Laguna Beach	Rutan & Tucker	\$8,500 per first 60 hours	\$235/hr. all attorney services
La Habra	Jones & Mayer	None specified	\$229.39/hr. for all services \$125.00/hr. paralegal services
La Palma	Rutan & Tucker	\$8,400 for general services	\$240/hr. for Non Retainer/Litigation/Successor Agency \$330/hr. Reimbursement
San Clemente	BB&K	\$37,500 per month	\$250/hr. non-retainer general counsel services \$180/hr. para-professionals \$130/hr. paralegals \$315/hr. Special Counsel (Litigation, CEQA, Water law, Labor & Employment, public construction, etc.) \$150-\$160/hr. paralegals
San Juan Capistrano	BB&K	\$10,000 per first 55 hours of basic attorney services	\$255/hr. all attorneys \$130/hr. paralegals \$310/hr. special services (CEQA, Litigation, Labor, Environmental) \$145/hr. paralegal
Seal Beach	Richards, Watson & Gershon	\$20,000 Up to 100 hrs.	\$335-425/hr. shareholders & sr. attorneys \$275/hr. associate attorney \$300/hr. special services (CEQA, Labor, Environmental, Litigation) \$175/hr. law clerks \$170/hr. sr. paralegals \$145/hr. paralegals
Tustin	Woodruff, Spradlin & Smart	No monthly retainer Automatic CPI annually in July	\$227/hr. all attorney services \$127/hr. paralegal services
Yorba Linda	Rutan & Tucker	\$14,375.00 per first 75 hours of general services	\$210/hr. general services \$225/hr. special services \$125/hr. law clerk & paralegal services
Rancho Santa Margarita	Woodruff, Spradlin & Smart	No monthly retainer	\$220/hr. all attorney services \$128/hr. paralegal services



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3H
Consent Calendar

Special Procurement – Firefighter Trainee Testing

Contact(s) for Further Information

Brigette Gibb, Director
Human Resources

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Tia Grasso, Human Resources Manager

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714.573.6835

Summary

This agenda item is submitted for approval to utilize the special procurement provision under Article III (Section 1-23) in the Purchasing Ordinance to execute a special procurement agreement with the California Firefighter Candidate Testing Center (FCTC), which is a subsidiary of the California Firefighter Joint Apprenticeship Committee (Cal-JAC). FCTC will provide a validated entry-level firefighter candidate written exam and two administrative staff to assist the Orange County Fire Authority (OCFA) with proctoring the exam. The services provided under this contract with FCTC are providing validated firefighter candidate written exams and administrative staff to assist with proctoring.

Prior Board/Committee Action(s)

Not Applicable.

RECOMMENDED ACTION(S)

1. Approve and authorize the Purchasing Manager to execute the proposed agreement with California Firefighter Candidate Testing Center at the rate of \$30 per candidate for a not to exceed amount of \$150,000 in 2019 for entry-level firefighter candidate testing.
2. Approve and authorize the Purchasing Manager to extend the contract for two additional one-year options, so long as the per candidate testing cost does not increase.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding will be included in the FY 2018/19 mid-year budget adjustment request, specifically in the Recruitment & Selection budget.

Background

Special Procurement Justification

A “special procurement” contract is recommended (per the Purchasing Ordinance and Roles/Responsibilities/Authorities Matrix) when it is in the best interest of OCFA to award a contract without bidding requirements, and the procurement does not meet the definition of a sole source.

Currently, the OCFA recruits once a year to fill two firefighter recruit academies. As part of the selection process, candidates must successfully pass a written exam before advancing to the next phase of the selection process. Last year, Human Resources staff and 21 OCFA employees assisted in proctoring the written exam, which was held numerous times over a two-day period to accommodate thousands of candidates who were invited to the exam. Typically, OCFA has rotated the vendor from which we purchase the exams.

Cal-JAC developed and validated a written examination that could be used to identify firefighter applicants in California who display a high probability of being able to perform the cognitive/intellectual tasks that are essential for success as an entry-level firefighter. The exam was uniquely developed by a committee consisting of experienced firefighters, each of whom was familiar with the job tasks performed by entry-level firefighters. The members of the development committee included individuals from fire agencies that varied in size and location, but all within California. In addition, the members had served as firefighters for at least 7 to 12 years. The committee members served as subject matters who worked with test development consultants.

Using the FCTC written exam will provide the OCFA with exam proctoring assistance and afford OCFA the option of allowing candidates to submit a passing FCTC written exam score from the candidate having taken the exam directly through FCTC in-lieu of taking the exam when given by OCFA, which may increase our applicant pool. The exam has been used successfully by over 170 fire departments in California.

Pricing

The written exam cost provided in FCTC's proposal is \$30.00 per candidate. Staff anticipates testing 3,500 candidates in the 2019 selection process. The exam cost includes all testing materials, two administrative staff, and shredding of all test booklets, essay packets and scratch paper used during the testing process.

Recommendation

Based on the qualifications and the experience of FCTC, staff recommends awarding a special procurement contract to FCTC for the 2019 firefighter candidate testing. Since this contract is based on a rate per candidate and the number of candidates is only an estimate, staff is requesting the flexibility to adjust the contract amount as long as funding is available. Staff is also requesting approval to extend the contract for up to two additional one-year periods, so long as per candidate testing cost does not increase.

Attachment(s)

1. Agreement for Services
2. Special Procurement Form
3. Cal-JAC Participating Departments



Revised as of 01/22/19

Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
January 24, 2019

Agenda Item No. 3H
Consent Calendar

Special Procurement – Firefighter Trainee Testing

Contact(s) for Further Information

Brigette Gibb, Director
Human Resources

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714.573.6353

Tia Grasso, Human Resources Manager

tiagrasso@ocfa.org

714.573.6835

Summary

This agenda item is submitted for approval to utilize the special procurement provision under Article III (Section 1-23) in the Purchasing Ordinance to execute a special procurement agreement with the California Firefighter Candidate Testing Center (FCTC), which is a subsidiary of the California Firefighter Joint Apprenticeship Committee (Cal-JAC). FCTC will provide a validated entry-level firefighter candidate written exam and two administrative staff to assist the Orange County Fire Authority (OCFA) with proctoring the exam. The services provided under this contract with FCTC are providing validated firefighter candidate written exams and administrative staff to assist with proctoring.

Prior Board/Committee Action(s)

Not Applicable.

RECOMMENDED ACTION(S)

1. Approve and authorize the Purchasing Manager to execute the proposed agreement with California Firefighter Candidate Testing Center at the rate of \$40 per candidate for the first 1,000 candidates and \$30 per candidate thereafter for a not to exceed amount of \$150,000 in 2019 for entry-level firefighter candidate testing.
2. Approve and authorize the Purchasing Manager to extend the contract for two additional one-year options, so long as the per candidate testing cost does not increase.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding will be included in the FY 2018/19 mid-year budget adjustment request, specifically in the Recruitment & Selection budget.

Background

Special Procurement Justification

A “special procurement” contract is recommended (per the Purchasing Ordinance and Roles/Responsibilities/Authorities Matrix) when it is in the best interest of OCFA to award a contract without bidding requirements, and the procurement does not meet the definition of a sole source.

Currently, the OCFA recruits once a year to fill two firefighter recruit academies. As part of the selection process, candidates must successfully pass a written exam before advancing to the next phase of the selection process. Last year, Human Resources staff and 21 OCFA employees assisted in proctoring the written exam, which was held numerous times over a two-day period to accommodate thousands of candidates who were invited to the exam. Typically, OCFA has rotated the vendor from which we purchase the exams.

Cal-JAC developed and validated a written examination that could be used to identify firefighter applicants in California who display a high probability of being able to perform the cognitive/intellectual tasks that are essential for success as an entry-level firefighter. The exam was uniquely developed by a committee consisting of experienced firefighters, each of whom was familiar with the job tasks performed by entry-level firefighters. The members of the development committee included individuals from fire agencies that varied in size and location, but all within California. In addition, the members had served as firefighters for at least 7 to 12 years. The committee members served as subject matter experts who worked with test development consultants.

Using the FCTC written exam will provide the OCFA with exam proctoring assistance and afford OCFA the option of allowing candidates to submit a passing FCTC written exam score from the candidate having taken the exam directly through FCTC in-lieu of taking the exam when given by OCFA, which may increase our applicant pool. The exam has been used successfully by over 170 fire departments in California.

Pricing

The written exam cost provided in FCTC's proposal is \$40 per candidate for the first 1,000 candidates and \$30.00 per candidate thereafter. Staff anticipates testing 3,500 candidates in the 2019 selection process. The exam cost includes all testing materials, two administrative staff, and shredding of all test booklets, essay packets and scratch paper used during the testing process.

Recommendation

Based on the qualifications and the experience of FCTC, staff recommends awarding a special procurement contract to FCTC for the 2019 firefighter candidate testing. Since this contract is based on a rate per candidate and the number of candidates is only an estimate, staff is requesting the flexibility to adjust the contract amount as long as funding is available. Staff is also requesting approval to extend the contract for up to two additional one-year periods, so long as per candidate testing cost does not increase.

Attachment(s)

1. Agreement for Services
2. Special Procurement Form
3. Cal-JAC Participating Departments



CALIFORNIA FIREFIGHTER JOINT APPRENTICESHIP COMMITTEE

AGREEMENT FOR SERVICES

Program Sponsors

Dennis Mathisen
California State
Fire Marshal

Brian K. Rice
President
California
Professional
Firefighters

Dan Terry
Chair

Yvonne de la Peña
Executive Director

Tara Brideau
Education and
Training Director

Deborah Jackson-Lee
Operations Director

Irene Chu, CPA
Finance Director

Kelley Trujillo
Program Director
Firefighter Candidate
Testing Center

This Agreement is made and entered into by and between the California Firefighter Joint Apprenticeship Committee (Cal-JAC) and its subsidiary the Firefighter Candidate Testing Center (FCTC), a licensed corporation of the State of California, and the Orange County Fire Authority (OCFA).

ARTICLE I – TERM OF AGREEMENT

The term of this agreement shall be January 1, 2019 through December 31, 2019 with an option to extend the agreement two (2) additional years with no increase in fees. OCFA reserves the right to not extend this agreement should they be dissatisfied with the services provided.

ARTICLE II – RESPONSIBILITY OF THE CAL-JAC

1. Provide an entry-level firefighter candidate written exam, developed and validated by the CAL-JAC which includes the following:
 - a. Providing and transporting testing materials including scan forms, test booklets, essay packets, scratch paper and mechanical pencils;
 - b. Two (2) administrative staff (including all travel, lodging, etc.), for site visit prior to test day;
 - c. Two (2) administrative staff (including all travel, lodging, etc.), on test days;
 - d. Shredding of test booklets, essay packets and scratch paper utilized during the testing process.

ARTICLE III – RESPONSIBILITY OF THE OCFA

1. Secure and pay for a testing facility with multimedia capabilities. The facility must meet minimum criteria specified by the Cal-JAC.
2. Provide Cal-JAC with an estimate of the number of testing materials needed (30) days prior to administration of exam.
3. Provide a lead test administrator and adequate number of proctors for each test day.
4. Administer the candidate check-in and check-out for each test day.
5. Provide for accommodation testing.
6. Score written test.

1780 Creekside Oaks
Sacramento, CA 95833

Phone:
(916) 648-1717

Fax:
(916) 922-0972

Email:
CFFJAC@cpt.org

www.CFFJAC.org
www.FCTCOnline.org



ARTICLE IV – COST OF SERVICES PROVIDED BY CAL-JAC

1. \$40 per candidate for the first 1,000 candidates that register and take the written exam;
2. \$30 per candidate once the 1,000 candidate threshold has been met;
3. Candidates that register for the written exam but do not cancel at least 24 hours of their scheduled test time will be billed to OCFA at the above candidate rate.

ARTICLE V – MISCELLANEOUS

1. All written notices, reports and other written communications under this agreement shall be deemed effective upon their deposit in the United States mail, postage prepaid, and addressed as follows:

Orange County Fire Authority
ATTN: Tia Grasso, HR Manager
1 Fire Authority Road
Irvine, CA 92602

California Firefighter Joint Apprenticeship Committee
ATTN: Yvonne de la Peña, Executive Director
1780 Creekside Oaks Drive
Sacramento, CA 95833

2. Either party may terminate this agreement by giving written notice to the other party at least sixty (60) days prior to a written exam date.
3. The OCFA and the Cal-JAC shall, to the extent permitted by law, indemnify and hold each other harmless against any liability whatsoever arising from any act or acts of their employees participating or functioning in the written testing process herein provided.

Orange County Fire Authority

California Firefighter
Joint Apprenticeship Committee

Tia Grasso
HR Manager



Yvonne de la Peña
Executive Director

Date: _____

Date: 1-16-19

OCFA Special Procurement Justification Form

The Purchasing Ordinance of the Orange County Fire Authority requires competitive bids and proposals for service and commodity contracts. A special procurement is defined as a purchase, where due to unusual or special circumstances, it would be in the best interest of the OCFA to accomplish the procurement without compliance with the competitive bidding requirements. Special Procurements are not applicable to construction services. The using department requesting a special procurement shall provide written evidence to support a special procurement determination. This form is to be submitted with the purchase requisition to Purchasing with any special procurement requests.

SECTION I - INSTRUCTIONS

1. Written justification on this form will be completed by the requesting department and submitted with the purchase requisition.
2. The request must be approved by the section manager and assistant chief prior to submitting the request to the purchasing manager.
3. All special procurement forms must be submitted to the Purchasing Manager and then reviewed and approved by the Assistance Chief, Business Services.
4. All special procurements exceeding \$50,000 (life of contract) require Executive Committee approval. In this case, the special procurement form must be submitted to the Executive Committee as an attachment to the staff report.
5. The approved special procurement justification form will be included in the contract file.

SECTION II – REQUEST INFORMATION

Department/Section: Human Resources	Requested By: Tia Grasso	Date: January 15, 2019
Recommended Vendor: California Firefighter Candidate Testing Center (FCTC)	Vendor Contact: Yvonne de la Pena	Vendor's E-mail Address: ydelapena@cpf.org
Vendor Address: 1780 Creekside Oaks Drive, Sacramento, CA 95833		Vendor's Telephone #: 916-648-1717
Type of Contract: <input checked="" type="checkbox"/> One-time <input checked="" type="checkbox"/> Multi-Year <input type="checkbox"/> Renewal <input type="checkbox"/> Amendment <input type="checkbox"/> Increase	Contract Term (Dates): January 1, 2019 - December 31, 2019	Contract Amount: \$105,000
<i>If the contract type is a Renewal, Amendment or Increase, please provide previous contract information with this request (PO, BO, previous approval date, Chief approval or EC approval, and dollar amount).</i>		Attachments: <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION III – JUSTIFICATION

1. **Provide a detailed description of the product or service requested. Describe what it is. Attach additional sheet if necessary.**

The California Firefighter Candidate Testing Center (FCTC), which is a subsidiary of the California Firefighter Joint Apprenticeship Committee (Cal-JAC), will provide a validated entry-level firefighter candidate written exam and two (2) administrative staff to assist the Orange County Fire Authority (OCFA) with proctoring the exam.

2. **Please state the reasoning for the special procurement and the special circumstances of why it would be in the best interest of OCFA to accomplish the procurement without a competitive bidding process. Provide a summary of findings (research and analysis) including any supporting documentation which validates your recommendation and demonstrates the nature of this request. Attach additional sheet if necessary.**

Cal-JAC and FCTC developed and validated a written examination to identify firefighter applicants in the state of California who display a high probability of being able to perform the cognitive/intellectual tasks that are essential for success as an entry-level firefighter. The FCTC exam was uniquely developed

SECTION III – JUSTIFICATION (continued)

by a committee consisting of experienced firefighters, each of whom possessed between 7 and 12 years of on-the-job experience and are readily familiar with the job-tasks performed by entry-level firefighters. The committee members hail from California fire agencies of various sizes. The committee members serve as subject matter experts and work with test development consultants.


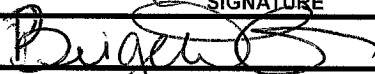
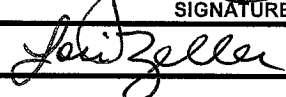
3. **Pricing - What efforts were made to get the best pricing (e.g., did you simply request a quote, negotiate a better price with the vendor, did the vendor provide a discount)? Please provide the quote with your special procurement request.**

Members of OCFA's Executive Leadership Team met with Yvonne de la Pena, the Executive Director of Cal-JAC, and Kelly Trujillo, the Program Director of FCTC. Ms. de la Pena and Ms. Trujillo provided an overview of the benefits of using FCTC's firefighter trainee written exam and provided a quote for \$30 per exam. OCFA and FCTC settled on the scope and level of services to be provided.



4. **Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)?**
(If yes, please explain how and what the future costs will be.)

No.

Special Procurement Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
Tia Grasso		1/15/2019
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Brigette Gibb		1/15/2019
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Lori Zeller		1/16/19

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
 JAMES AGUILERA - ASSISTANT PURCHASING AGENT	1/16/19
ASSISTANT CHIEF BUSINESS SERVICES APPROVAL	DATE
	1/16/19

Executive Committee Approval Required ☒ Yes ☐ No Special Procurement over \$50,000

Executive Committee Approved: ☐ Yes ☐ No Date approved _____



CALIFORNIA FIREFIGHTER JOINT APPRENTICESHIP COMMITTEE

AGREEMENT FOR SERVICES

Program Sponsors

Dennis Mathisen
California State
Fire Marshal

Brian K. Rice
President
California
Professional
Firefighters

Dan Terry
Chair

Yvonne de la Peña
Executive Director

Taral Brideau
Education and
Training Director

Deborah Jackson-Lee
Operations Director

Irene Chu, CPA
Finance Director

Kelley Trujillo
Program Director
Firefighter Candidate
Testing Center

This Agreement is made and entered into by and between the California Firefighter Joint Apprenticeship Committee (Cal-JAC) and its subsidiary the Firefighter Candidate Testing Center (FCTC), a licensed corporation of the State of California, and the Orange County Fire Authority (OCFA).

ARTICLE I – TERM OF AGREEMENT

The term of this agreement shall be January 1, 2019 through December 31, 2019.

ARTICLE II – RESPONSIBILITY OF THE CAL-JAC

1. Provide an entry-level firefighter candidate written exam, developed and validated by the CAL-JAC which includes the following:
 - a. Providing and transporting testing materials including scan forms, test booklets, essay packets, scratch paper and mechanical pencils;
 - b. Two (2) administrative staff (including all travel, lodging, etc.), for site visit prior to test day;
 - c. Two (2) administrative staff (including all travel, lodging, etc.), on test days;
 - d. Shredding of test booklets, essay packets and scratch paper utilized during the testing process.

ARTICLE III – RESPONSIBILITY OF THE OCFA

1. Secure and pay for a testing facility with multimedia capabilities. The facility must meet minimum criteria specified by the Cal-JAC.
2. Provide Cal-JAC with an estimate of the number of testing materials needed (30) days prior to administration of exam.
3. Provide a lead test administrator and adequate number of proctors for each test day.
4. Administer the candidate check-in and check-out for each test day.
5. Provide for accommodation testing.
6. Score written test.

1780 Creekside Oaks
Sacramento, CA 95833

Phone:
(916) 648-1717

Fax:
(916) 922-0972

Email:
CFFJAC@cpf.org

www.CFFJAC.org
www.FCTCOnline.org



ARTICLE IV – COST OF SERVICES PROVIDED BY CAL-JAC

1. \$40 per candidate (up to 1,000 candidates) that register and take the written exam;
2. \$30 per candidate (over 1,000 candidates) that register and take the written exam;
3. Candidates that register for the written exam but do not cancel within 24 hours of their scheduled test time will be billed to OCFA at the above candidate rate.

ARTICLE IV – MISCELLANEOUS

1. All written notices, reports and other written communications under this agreement shall be deemed effective upon their deposit in the United States mail, postage prepaid, and addressed as follows:

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ATTN: Tia Grasso, HR Manager
1 Fire Authority Road
Irvine, CA 92602

California Firefighter Joint Apprenticeship Committee
ATTN: Yvonne de la Peña, Executive Director
1780 Creekside Oaks Drive
Sacramento, CA 95833

2. Either party may terminate this agreement by giving written notice to the other party at least sixty (60) days prior to the first written exam date.
3. The OCFA and the Cal-JAC shall, to the extent permitted by law, indemnify and hold each other harmless against any liability whatsoever arising from any act or acts of their employees participating or functioning in the written testing process herein provided.

Orange County Fire Authority

California Firefighter
Joint Apprenticeship Committee

Tia Grasso
HR Manager

Yvonne de la Peña
Executive Director

Date: _____

Date: _____

Cal-JAC Participating Departments

All of the Cal-JAC's participating departments are listed below with their original subscription date.

<u>Department</u>	<u>Subscription Date</u>	<u>Department</u>	<u>Subscription Date</u>	<u>Department</u>	<u>Subscription Date</u>
1. Alameda City	10/02	59. Garden Grove	01/99	116. Redlands	06/93
2. Alameda County	05/87	60. Gilroy	08/05	117. Redondo Beach	05/90
3. Albany	05/94	61. Glendale	03/94	118. Rialto	11/10
4. Alhambra	02/92	62. Hanford	07/15	119. Richmond	10/06
5. Anaheim	07/89	63. Heartland-El Cajon	03/18	120. Rincon Valley	04/18
6. Apple Valley	03/08	64. Heartland-La Mesa	03/18	121. Riverside	02/91
7. Arcadia	07/01	65. Heartland-Lemon Grove	09/04	122. Rodeo-Hercules	07/01
8. Arcata	10/16	66. Hemet	06/00	123. Roseville	08/99
9. Atascadero	10/91	67. Imperial County	03/90	124. Ross Valley	03/03
10. Bakersfield	06/01	68. Kentfield	06/10	125. Sacramento City	01/94
11. Belmont FPD	02/15	69. Kern County	01/91	126. Sacramento Co Airport	03/14
12. Benicia	05/12	70. Kings County	12/95	127. Sacramento Metro.	10/97
13. Bennett Valley FPD	07/17	71. Lakeside	09/17	128. San Bernardino County	01/90
14. Berkeley	07/84	72. Larkspur	05/10	129. San Francisco	05/12
15. Big Bear Lake	06/00	73. Lathrop-Manteca	10/05	130. San Diego City	03/91
16. Brawley	08/12	74. Linden-Peters	02/04	131. San Jose	01/93
17. Burbank	10/93	75. Livermore-Pleasanton	05/03	132. San Luis Obispo City	05/95
18. CAL FIRE	07/83	76. Lodi	10/01	133. San Marino	04/13
19. CA State Fire Marshal	09/86	77. Loma Linda	12/00	134. San Mateo City	12/96
20. Carlsbad	12/03	78. Lompoc	11/18	135. San Miguel	01/18
21. Cathedral City	12/09	79. Long Beach	12/87	136. San Rafael	04/09
22. Ceres FD	09/06	80. Los Angeles	03/94	137. San Ramon Valley	01/98
23. Chino Valley	02/94	81. Los Angeles County	07/87	138. Sanger	07/93
24. Chula Vista	10/98	82. Manhattan Beach	10/97	139. Santa Barbara City	09/08
25. Clovis	12/89	83. Marin Co.	07/11	140. Santa Barbara County	01/91
26. Colton	05/94	84. Marinwood	06/11	141. Santa Clara City	11/90
27. Compton	06/00	85. Merced	06/16	142. Santa Clara County	05/94
28. Contra Costa County	10/01	86. Milpitas	06/09	143. Santa Cruz	09/87
29. Corona	11/18	87. Modesto	06/87	144. Santa Fe Springs	04/98
30. Coronado	02/18	88. Mokelumne Rural FPD	02/12	145. Santa Maria	02/11
31. Corte Madera	07/12	89. Monrovia	08/93	146. Santa Monica	10/12
32. Costa Mesa	03/17	90. Montebello	10/02	147. Santa Rosa	01/07
33. Cosumnes CSD	01/07	91. Moraga-Orinda	06/12	148. Santee	10/03
34. Davis	02/95	92. Morro Bay	10/88	149. Selma	07/12
35. Dinuba	02/03	93. Mountain View	09/14	150. South Lake Tahoe	04/13
36. Downey	01/91	94. Murrieta	12/90	151. South Placer	09/15
37. East Contra Costa	04/15	95. Napa City	09/00	152. Southern Marin	12/10
38. El Centro	12/13	96. National City	02/98	153. Stockton	04/94
39. El Cerrito	02/06	97. Newport Beach	11/16	154. Tiburon	02/17
40. El Dorado Hills	09/14	98. North Co. FA, Brisbane	01/09	155. Torrance	12/95
41. El Segundo	12/16	99. North Co. FA, Daly City	10/03	156. Tracy	12/95
42. Fairfield	05/04	100. North Co. FA, Pacifica	01/09	157. Tulare	06/04
43. Federal, Beal AFB	01/16	101. North Shore FPD	06/18	158. Turlock	07/87
44. Federal, Camp Pendleton	03/94	102. North Tahoe FPD	11/14	159. UC Davis	10/10
45. Federal, China Lake	06/95	103. Novato	06/03	160. Vacaville	03/02
46. Federal, Concord	07/06	104. Oakland	12/98	161. Vallejo	02/98
47. Federal, Lemoore	10/04	105. Ontario	07/88	162. Ventura City	10/95
48. Federal, MCL Barstow	01/98	106. Orange City	10/88	163. Ventura County	08/88
49. Federal, Miramar	06/98	107. Orange County	08/96	164. Visalia	03/06
50. Federal, NAF El Centro	02/04	108. Oxnard	03/90	165. Vista	04/97
51. Federal, Presidio Monterey	06/06	109. Palm Springs	03/11	166. Waterloo-Morada	03/04
52. Federal, San Diego	04/88	110. Palo Alto	07/95	167. Watsonville	07/90
53. Federal, Ventura Co	01/91	111. Pasadena	08/95	168. West Sacramento	10/97
54. Five Cities	09/10	112. Patterson	10/15	169. Woodbridge Rural FPD	07/09
55. Foster City	01/16	113. Petaluma	05/17	170. Woodland	02/08
56. Fremont	02/03	114. Poway	01/03	171. Yuba City	05/95
57. Fresno City	11/90	115. Rancho Cucamonga	09/94		
58. Fullerton	10/89				