



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, April 26, 2018

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 Chaplain Duncan McColl

PLEDGE OF ALLEGIANCE by Director Hatch

ROLL CALL

1. PRESENTATIONS

No items.

REPORTS

REPORT FROM THE BUDGET AND FINANCE COMMITTEE CHAIR

REPORT FROM THE FIRE CHIEF

- Quarterly Status Report on Capital Improvement Projects (Anderson)

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 March 22, 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: Tricia Jakubiak, Treasurer

Budget and Finance Committee Recommendation: *APPROVE*

Recommended Action:

Receive and file the reports.

B. Contract Extension for Structural Firefighting Gloves

Submitted by: Lori Zeller, Assistant Chief/Business Services Department

Recommended Action:

Approve and authorize the Purchasing Manager to execute two one-year renewal options for the blanket order with AllStar Fire Equipment, Inc. for structural firefighting gloves for a two-year aggregate amount not to exceed \$120,000 (\$60,000 annually).

C. Blanket Orders Extensions for Programming and Professional Services for Information Technology

Submitted by: Dave Anderson, Assistant Chief/Support Services Department

Recommended Actions:

1. Approve and authorize the Purchasing Manager to extend the current contracts for as-needed services to FATPOT Technologies, TriTech Software Systems, and Westnet, Inc., for up to three years.
2. Approve and authorize the Purchasing Manager to redistribute or adjust funding between the three contracts as requested by the department so long as the aggregate amount of the contracts collectively does not exceed \$85,000 annually (\$255,000 during the additional three-year term).

D. Blanket Order Contract Renewals – Information Technology

Submitted by: Dave Anderson, Assistant Chief/Support Services Department

Recommended Actions:

1. Approve and authorize the Purchasing Manager to extend the current blanket order with FATPOT Technologies, LLC for two additional one-year periods at an amount not to exceed \$102,820 annually. (\$205,640 during the two-year period).
2. Approve and authorize the Purchasing Manager to extend the current sole source blanket order with Deccan International for three additional one-year periods at an initial amount not to exceed \$35,575, and to approve price increases of up to 3% per year; total is not to exceed \$109,969 during the three-year period.

E. Award of RFP #JA2267 Purchase of Two Dozer Transport Tractors

Submitted by: Dave Anderson, Assistant Chief/Support Services Department

Recommended Action:

Approve and authorize the Purchasing Manager to issue a purchase order to Los Angeles Truck Centers for the purchase of two dozer transport tractors in an amount of \$344,619.50 (Cost per unit \$172,309.75 without optional five-year extended warranty).

F. Approval for Donation of Surplus Self-Contained Breathing Apparatus

Submitted by: Lori Zeller, Assistant Chief/Business Services Department

Recommended Actions:

1. Find that the proposed donation of 375 surplus Scott Safety Air-Pak 50 Self-Contained Breathing Apparatus to Santa Ana College, El Camino College, and Rio Hondo College fire academies advances the purposes of the Orange County Fire Department by providing growth, training, and development opportunities to students at local colleges that serve as potential sources from which OCFA may recruit trained firefighters.
2. Approve and authorize the Purchasing Manager to donate 375 surplus Scott Safety Air-Pak 50 Self-Contained Breathing Apparatus to the Santa Ana College, El Camino College, and Rio Hondo College fire academies.

G. Special Procurement Contract Extension for Online Training Software

Submitted by: Mike Schroeder, Assistant Chief/Organizational Planning Department

Recommended Action:

Approve and authorize the Purchasing Manager to execute the new client agreement with TargetSolutions for a three-year aggregate amount not to exceed \$300,000 (up to \$100,000 annually).

END OF CONSENT CALENDAR

4. DISCUSSION CALENDAR

A. April 2018 Legislative Report

Submitted by: Brian Young, Assistant Chief/Operations Department

Recommended Actions:

1. Adopt a position on AB 2144 (Chen) of “Support.”
2. Adopt a position on AB 2414 (Choi) of “Support.”

COMMITTEE MEMBER COMMENTS

CLOSED SESSION

No items.

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 19th day of April 2018.

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

UPCOMING MEETINGS:

Human Resources Committee Meeting	Tuesday, May 1, 2018, 12 noon
Budget and Finance Committee Meeting	Wednesday, May 9, 2018, 12 noon
Claims Settlement Committee Meeting	Thursday, May 24, 2018, 5:00 p.m.
Executive Committee Meeting	Thursday, May 24, 2018, 5:30 p.m.
Board of Directors Meeting	Thursday, May 24, 2018, 6:00 p.m.

Capital Improvement Program (CIP) Update
3rd Quarter – FY 2017/18

In connection with Fire Chief's Report
04/26/18 EC Meeting

ITEM	BUDGET	PROGRESS	ANTICIPATED COMPLETION	COMMENTS
Fire Stations and Facilities (CIP Fund 123)				
Fire Station 9 Replacement (Mission Viejo)	\$6.5M	Planning	TBD	Evaluating existing and alternate sites; seeking Board direction
Fire Station 10 Replacement (Yorba Linda)	\$7.5M	Planning	TBD	Evaluating existing and alternate sites; seeking Board direction
Fire Station 20 Replacement (Irvine)	Developer	In-Progress	May 2018	Construction in progress
Fire Station 42 Site Stabilization	\$800K	Initiated	TBD	Consultant is designing solutions and preparing RFP language
Fire Station 61 Replacement (Buena Park)	City	In-Progress	May 2018	Construction in progress
RFOTC Security Enhancements and Data Center Fire Suppression	\$1.5M	Initiated	TBD	Doors and walls completed in Board room. Purchase requisition submitted to install card readers.
US&R Warehouse Improvements – Phase II	\$200K	Initiated	Jun 2018	Office and classroom improvements underway
Communications and Information Systems (CIP Fund 124 and 12110)				
RFOTC Audio Visual Upgrades	\$1M	100%	Sep 2017	Complete and final accepted.
800 MHz Motorola Radio Replacement	\$7.5M	75%	Winter 2018	Portable radios, chargers, lapel mics, spare batteries deployed to all personnel in every fire station/vehicle/RFOTC. Mobile radio installation proceeding in new vehicles and existing fleet.
Records Management System (RMS) Upgrade	\$5M	25%	2019	Professional services agreement approved at March 22 meeting to hire software programming personnel to develop replacement Incident Reporting and Investigations Case Management systems.
Fire Station 20, 22, & 61 Station Alarms	\$262K	80%	Spring 2018	Station 22 is completed. Station 20 and 61 are in final implementation stages. Contracts for Station 63 and Station 66 are next
CAD2CAD Upgrade	\$450K	20%	Spring 2019	Vendor installing new hardware and software and acting as agent to connect Costa Mesa, Laguna Beach, and MetroNet CAD's. FATPOT contract approved to connect TriTech CAD to new environment.
Data Center Redundancy	\$1M	Initiated	Summer 2019	Issuing Request for Information (RFI) for five infrastructure categories: Cybersecurity, Co-lo data center, Physical security, Disaster Recovery, Data Center fire suppression; followed by Request for Proposal (RFP).
Apparatus and Vehicles (CIP Fund 133)				
(10) Fire Engines - Structural/Type 1	\$5.9M	2 of 10	Jun 2018	Engines under construction and first unit will arrive in coming month
(7) Fire Engines - Structural/Type 1	\$4.3M	0 of 7	Sep 2018	
(11) Tractor Drawn Aerials (TDA)	\$8.4M	5 of 11	May 2018	Four units in service, one being outfitted, and six under construction
(20) Emergency Vehicles	\$1.9M	14 of 20	Mar 2018	Units in varying phases ranging from defining specifications, under construction, to final outfitting.
(10) Support Vehicles	\$568K	3 of 10	Nov 2018	
(3) Fire Engines - Wildland/Type 3	\$1.4M	0 of 3	TBD	Specifications under development by Apparatus Committee and Fleet Services
(20) Emergency and Support Vehicles	\$866K	0 of 20	TBD	
(2) Tactical Water Tenders	\$694K	0 of 2	TBD	

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, March 22, 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.

INVOCATION

Chaplain Robert Benoun 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
Joe Muller, Dana Point
Ed Sachs, Mission Viejo
Elizabeth Swift, Buena Park
Dave Shawver, Stanton
Todd Spitzer, County of Orange
Tri Ta, Westminster

Absent: Gene Hernandez, Yorba Linda

Also present were:

Acting Fire Chief Dave Anderson	Assistant Chief Lori Zeller
Assistant Chief Mike Schroeder	Assistant Chief Lori Smith
Assistant Chief Brian Young	Human Resources Director Brigitte Gibb
General Counsel David Kendig	Clerk of the Authority Sherry Wentz

1. PRESENTATIONS

No items.

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

Budget and Finance Committee Chair Muller reported at the February 14, 2018, meeting the Committee voted unanimously to send the Monthly Investment Reports and the Second Quarter Financial Newsletter to the Executive Committee for approval. The Committee held elections for its Chair and Vice Chair, voting by acclamation Director Hasselbrink as Vice Chair and myself as Chair for the ensuing term.

PUBLIC COMMENTS (F: 12.02A3)

Stephen Wontrobski, Mission Viejo resident, addressed the Request for Proposals process for certified public accounts and contract cities liability for OCFA unfunded pension.

CLOSED SESSION

No items.

2. MINUTES

A. Minutes from the February 22, 2018, Regular Executive Committee Meeting (F: 12.02A2)

On motion of Director Swift and second by Director Ta, the Executive Committee voted unanimously by those present to approve the February 22, 2018, Executive Committee Minutes as submitted.

3. CONSENT CALENDAR (Agenda Item Nos. 3B and 3E were 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. Write-off for Uncollectible Account – Medix Ambulance Services (F: 18.05D1)

Assistant Chief Lori Zeller pulled this item from the Consent Calendar to request the item be deferred to a future meeting pending possible reparation.

There was a brief discussion on reasoning behind the request to write-off the debt.

On motion of Director Spitzer and second by Director Shawver, the Executive Committee voted unanimously by those present to defer the item to a future meeting.

C. Salary Range Adjustment for Assistant Fire Marshal Classification (F: 17.18)

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

1. Adopt revised salary range for Assistant Fire Marshal to correct internal salary compression issues in the fire prevention series.
2. Direct staff to increase FY 2017/18 appropriations in General Fund 121 by \$7,153.

D. Blanket Order Contract Increase and Extension for Medical Laboratory Testing Services (F: 17.10J3)

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

1. Approve and authorize the Purchasing Manager to increase the current contract with Agathos Laboratories, Inc. for medical laboratory testing services by \$40,000 for a new total not to exceed \$132,000.
2. Approve and authorize the Purchasing Manager to renew the contract for an additional three years, so long as the annual amount doesn't exceed \$132,000 annually (\$396,000 during the three-year period).

E. Blanket Order Contract Increase for Helicopter Maintenance and Repair Services and Special Procurement for Super Huey Modifications (F: 19.10C)

Director Spitzer pulled this item from the Consent Calendar to inquire on the status of the helicopter mediation between OCFA and the Orange County Sheriff's Department.

General Counsel David Kendig informed the Committee that discussion would be taking place during this evening's Board of Directors Closed Session.

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

1. Approve and authorize the Purchasing Manager to issue a one-time increase to the blanket order contract with RSI in the amount of \$631,500 (from \$150,000 to \$781,500) for the current contract ending November 30, 2018.
2. Approve and authorize the Purchasing Manager to extend the contract up to four years at \$300,000 per year with annual increases not to exceed 3% or the percentage increase in the U.S. Department of Labor Consumer Price Index for All Urban Consumers, Services, in the Los Angeles-Riverside-Orange County, CA Area, whichever is lower.
3. Approve and authorize the Purchasing Manager to increase purchase order P0011106 to RSI by \$51,940 (from \$27,832 to \$79,772) for additional repairs required to complete the HC1 main rotor blade repairs.

F. Cooperative Contract for Information Technology Staff Augmentation Services
(F: 19.08A2a)

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 execute the proposed Professional Services Agreement with Computer Aid, Inc. for staff augmentation services for a two-year term at an amount not to exceed \$1,257,412.

G. This Agenda Item Number Intentionally Not Used.

H. Sole Source Contract Amendment with FATPOT Technologies, LLC and Increase for the Regional CAD2CAD System Upgrade Project (F: 19.08A3A)

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

1. Approve and authorize the Purchasing Manager to Execute Change Order No. 1 to the FATPOT Software License and Services Agreement to upgrade to the Regional Next Generation CAD2CAD system and allow FATPOT to act as OCFA's agent to define, administer, and enter into CAD System Adapter Agreement(s) with Cooperating Agencies and third-party system providers to implement the project as necessary.
2. Approve and authorize the Purchasing Manager to increase the current sole source contract amount of \$196,900 (\$179,000 + \$17,900 contingency budget) with FATPOT by \$125,843 for a new not to exceed total of \$322,743 for additional services as specified in Change Order No. 1.

I. Sole Source Request with TriTech Software Systems for the Regional CAD2CAD System Upgrade Project (F: 19.08A3A)

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 TriTech Software Systems in the amount of \$120,453.50 to upgrade and replace the current CAD System Adapter (Interface) including testing, training, and first year of support and maintenance.

J. Sole Source Fire Station Alerting System Replacement for Fire Stations 63 (Buena Park) and 66 (Westminster) (F: 19.07I)

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

1. Approve and authorize the Purchasing Manager to issue sole source contracts to Westnet for the replacement of the fire station alerting systems at OCFA Fire Stations 63 and 66 in the amount of \$124,515.
2. Approve and authorize the addition of a 10% contingency (\$12,451) to the contract for additional services that may be required during the replacements with the stipulation that the Board Chair and Vice Chair will be notified before commitment of any contingency funds is made.
3. Approve and authorize the Purchasing Manager to extend and increase the annual maintenance contract with Westnet for up to five years based on the proposed pricing schedule with the ability to increase the annual amount as additional equipment is added to the stations so long as the increase doesn't exceed \$150,000 for the proposed annual pricing schedule.

END OF CONSENT CALENDAR

4. DISCUSSION CALENDAR

No items.

COMMITTEE MEMBER COMMENTS

The Executive Committee offered no comments.

CLOSED SESSION

No items.

ADJOURNMENT Chair Sachs adjourned the meeting at 5:50 p.m. The next regular meeting of the Orange County Fire Authority Executive Committee is scheduled for Thursday, April 26, 2018.

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



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

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 April 11, 2018, 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

Attached is the final monthly investment report for the month ended February 28, 2018. A preliminary investment report as of March 23, 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 – February 2018/Preliminary Report – March 2018

Orange County Fire Authority Monthly Investment Report



Final Report – February 2018

Preliminary Report – March 2018



Monthly Investment Report Table of Contents

<i>Final Investment Report – February 28, 2018.....</i>	<i>1</i>
<i>Executive Summary.....</i>	<i>2</i>
<i>Benchmark Comparison.....</i>	<i>3</i>
<i>Portfolio Size, Yield, & Duration.....</i>	<i>3</i>
<i>Portfolio Summary.....</i>	<i>4</i>
<i>Portfolio Details.....</i>	<i>5</i>
<i>Aging Report.....</i>	<i>8</i>
<i>Notes to Portfolio Management Report.....</i>	<i>9</i>
<i>Local Agency Investment Fund.....</i>	<i>10</i>
 <i>Preliminary Investment Report – March 23, 2018.....</i>	 <i>12</i>
<i>Portfolio Summary.....</i>	<i>13</i>
<i>Portfolio Details.....</i>	<i>14</i>
<i>Aging Report.....</i>	<i>17</i>
<i>Notes to Portfolio Management Report.....</i>	<i>18</i>
 <i>Glossary.....</i>	 <i>19</i>



Orange County Fire Authority

Final Investment Report

February 28, 2018



EXECUTIVE SUMMARY

Portfolio Activity & Earnings

During the month of February 2018, the size of the portfolio decreased by \$16.2 million to \$145.5 million. Significant receipts for the month included a cash contract payment, apportionments of property taxes, intergovernmental contract and grant payments, and other charges for current services totaling \$7.3 million. Significant disbursements for the month included primarily two biweekly payrolls which were approximately \$10.8 million each with related benefits. Total February cash outflows amounted to approximately \$24.3 million. The portfolio's balance is expected to stay about the same in the following month.

In February, the portfolio's yield to maturity (365-day equivalent) increased by 3 basis points to 1.35%. The effective rate of return, rose by 7 basis points to 1.36% for the month and increased by 3 basis points to 1.15% for the fiscal year to date. The average maturity of the portfolio shortened by 5 days to 96 days to maturity.

Economic News

The U.S. economy continued to grow in February 2018. Employment conditions stayed strong. There were a total of 313,000 new jobs created for the month, a much stronger number than expected, and an upward adjustment of 54,000 new jobs was made for the prior two months. In addition, the unemployment rate remained unchanged at a low rate of 4.1% for the fifth straight month. Consumer confidence measures rose and remained at a high level. However, retail sales continued to decline in February. Both manufacturing and non-manufacturing sectors continued expanding. Durable goods orders and industrial production both reversed and surged higher than expected in February. The CPI (Consumer Price Index) pulled back from the prior month's unusually high increase and posted a modest rise in February. Housing demand and activity stayed strong overall in February. On March 21, 2018, at the second day of their scheduled meeting, the Federal Open Market Committee met and, as widely expected, they voted to raise the federal funds rate to a new target range of 1.50% to 1.75%.



BENCHMARK COMPARISON AS OF FEBRUARY 28, 2018

3 Month T-Bill: 1.59%

1 Year T-Bill: 1.96%

6 Month T-Bill: 1.79%

LAIF: 1.41%

OCFA Portfolio: 1.36%

PORTFOLIO SIZE, YIELD, & DURATION

	<u>Current Month</u>	<u>Prior Month</u>	<u>Prior Year</u>
<i>Book Value-</i>	\$145,509,799	\$161,668,906	\$149,217,747
<i>Yield to Maturity (365 day)</i>	1.35%	1.32%	0.84%
<i>Effective Rate of Return</i>	1.36%	1.29%	0.76%
<i>Days to Maturity</i>	96	101	80



ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Summary
February 28, 2018

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

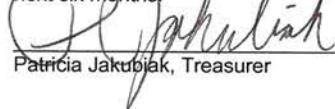
(See Note 1 on page 9)

(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	6,885,317.14	6,885,317.14	6,885,317.14	4.76	1	1	0.898	0.910
Federal Agency Coupon Securities	35,000,000.00	34,756,630.00	35,000,000.00	24.17	971	329	1.223	1.240
Federal Agency Disc. -Amortizing	27,000,000.00	26,913,240.00	26,927,450.00	18.60	125	69	1.420	1.439
Treasury Discounts -Amortizing	15,000,000.00	14,981,970.00	14,983,252.50	10.35	94	29	1.331	1.349
Local Agency Investment Funds	61,000,000.00	60,883,705.27	61,000,000.00	42.13	1	1	1.393	1.412
Investments	144,885,317.14	144,420,862.41	144,796,019.64	100.00%	268	96	1.327	1.345
Cash								
Passbook/Checking (not included in yield calculations)	919,782.92	919,782.92	919,782.92		1	1	0.000	0.000
Total Cash and Investments	145,805,100.06	145,340,645.33	145,715,802.56		268	96	1.327	1.345

Total Earnings	February 28 Month Ending	Fiscal Year To Date
Current Year	160,729.17	1,165,302.93
Average Daily Balance	153,909,942.98	152,281,864.22
Effective Rate of Return	1.36%	1.15%

"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 Jakubjak, Treasurer

3/2/18

Cash and Investments with GASB 31 Adjustment:

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

\$ 145,715,802.56

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

\$ (206,003.82)

Total

\$ 145,509,798.74

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Investments
February 28, 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			6,885,317.14	6,885,317.14	6,885,317.14	0.910	0.910	1	
Subtotal and Average			5,523,715.48		6,885,317.14	6,885,317.14	6,885,317.14		0.910	1	
Federal Agency Coupon Securities											
3133EFJP3	869	Federal Farm Credit Bank (Callable Anytime)		10/15/2015	10,000,000.00	9,945,000.00	10,000,000.00	1.100	1.054	228	10/15/2018
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,897,310.00	7,000,000.00	1.180	1.375	518	08/01/2019
3134G7FK2	863	Fed Home Loan Mtg Corp		06/30/2015	9,000,000.00	8,998,380.00	9,000,000.00	1.100	1.065	22	03/23/2018
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,915,940.00	9,000,000.00	1.625	1.518	603	10/25/2019
Subtotal and Average			35,000,000.00		35,000,000.00	34,756,630.00	35,000,000.00		1.240	329	
Federal Agency Disc. -Amortizing											
313385VE3	931	Fed Home Loan Bank		12/20/2017	9,000,000.00	8,985,600.00	8,988,030.00	1.330	1.373	36	04/06/2018
313385WY8	933	Fed Home Loan Bank		01/11/2018	9,000,000.00	8,967,420.00	8,972,310.00	1.420	1.467	78	05/18/2018
313385XN1	934	Fed Home Loan Bank		01/11/2018	9,000,000.00	8,960,220.00	8,967,110.00	1.430	1.478	92	06/01/2018
Subtotal and Average			36,553,290.89		27,000,000.00	26,913,240.00	26,927,450.00		1.439	69	
Treasury Discounts -Amortizing											
912796NU9	930	US Treasury Bill		12/20/2017	9,000,000.00	8,997,930.00	8,997,742.50	1.290	1.312	7	03/08/2018
912796PC7	932	US Treasury Bill		01/04/2018	6,000,000.00	5,984,040.00	5,985,510.00	1.380	1.406	63	05/03/2018
Subtotal and Average			14,975,793.75		15,000,000.00	14,981,970.00	14,983,252.50		1.349	29	
Local Agency Investment Funds											
SYS336	336	Local Agency Invstmt Fund			61,000,000.00	60,883,705.27	61,000,000.00	1.412	1.412	1	
Subtotal and Average			61,857,142.86		61,000,000.00	60,883,705.27	61,000,000.00		1.412	1	
Total and Average			153,909,942.98		144,885,317.14	144,420,862.41	144,796,019.64		1.345	96	

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Cash
February 28, 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		07/01/2017	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2017	899,782.92	899,782.92	899,782.92		0.000	1
		Average Balance	0.00							1
Total Cash and Investments			153,909,942.98		145,805,100.06	145,340,645.33	145,715,802.56		1.345	96

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



ORANGE COUNTY FIRE AUTHORITY
Aging Report
By Maturity Date
As of March 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	(03/01/2018 - 03/01/2018)	4 Maturities	0 Payments	68,805,100.06	47.22%	68,805,100.06	68,688,805.33
Aging Interval: 1 - 30 days	(03/02/2018 - 03/31/2018)	2 Maturities	0 Payments	18,000,000.00	12.35%	17,997,742.50	17,996,310.00
Aging Interval: 31 - 60 days	(04/01/2018 - 04/30/2018)	1 Maturities	0 Payments	9,000,000.00	6.17%	8,988,030.00	8,985,600.00
Aging Interval: 61 - 91 days	(05/01/2018 - 05/31/2018)	2 Maturities	0 Payments	15,000,000.00	10.27%	14,957,820.00	14,951,460.00
Aging Interval: 92 - 121 days	(06/01/2018 - 06/30/2018)	1 Maturities	0 Payments	9,000,000.00	6.15%	8,967,110.00	8,960,220.00
Aging Interval: 122 - 152 days	(07/01/2018 - 07/31/2018)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 153 - 183 days	(08/01/2018 - 08/31/2018)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 184 - 274 days	(09/01/2018 - 11/30/2018)	1 Maturities	0 Payments	10,000,000.00	6.86%	10,000,000.00	9,945,000.00
Aging Interval: 275 - 365 days	(12/01/2018 - 03/01/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 366 - 1095 days	(03/02/2019 - 02/28/2021)	2 Maturities	0 Payments	16,000,000.00	10.98%	16,000,000.00	15,813,250.00
Aging Interval: 1096 days and after	(03/01/2021 -)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Total for		13 Investments	0 Payments		100.00	145,715,802.56	145,340,645.33



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, 2017 includes a decrease of (\$68,353) to the LAIF investment and a decrease of (\$137,651) 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 February 28, 2018, OCFA has \$61,000,000 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 December 31, 2017 is 0.998093529. When applied to OCFA's LAIF investment, the fair value is \$60,883,705 or (\$116,295) 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 February 28, 2018 is included on the following page.



Fair Value Including Accrued Interest	\$	76,403,627,722.46
---------------------------------------	----	-------------------

Page 11



Orange County Fire Authority
Preliminary Investment Report
March 23, 2018



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

Orange County Fire Authority
 1 Fire Authority Road
 Irvine, 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	8,665,416.51	8,665,416.51	8,665,416.51	5.76	1	1	0.898	0.910
Federal Agency Coupon Securities	26,000,000.00	25,778,300.00	26,000,000.00	17.27	962	413	1.283	1.301
Federal Agency Disc. -Amortizing	27,000,000.00	26,943,030.00	26,951,485.00	17.90	125	46	1.420	1.439
Treasury Coupon Securities	8,000,000.00	7,988,480.00	7,989,939.39	5.31	99	83	1.652	1.675
Treasury Discounts -Amortizing	20,000,000.00	19,928,550.00	19,930,132.16	13.24	110	77	1.596	1.618
Local Agency Investment Funds	61,000,000.00	60,883,705.27	61,000,000.00	40.52	1	1	1.393	1.412
Investments	150,665,416.51	150,187,481.78	150,536,973.06	100.00%	209	95	1.391	1.410

Cash and Accrued Interest

Passbook/Checking (not included in yield calculations)	522,925.96	522,925.96	522,925.96		1	1	0.000	0.000
Accrued Interest at Purchase		20,521.98	20,521.98					
Subtotal		543,447.94	543,447.94					
Total Cash and Investments	151,188,342.47	150,730,929.72	151,080,421.00		209	95	1.391	1.410

Total Earnings	March 23 Month Ending	Fiscal Year To Date
Current Year	132,353.45	1,297,656.38
Average Daily Balance	153,934,243.97	152,424,739.16
Effective Rate of Return	1.36%	1.17%

"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

3/30/18

Cash and Investments with GASB 31 Adjustment:

Book Value of Cash & Investments before GASB 31 (Above)	\$ 151,080,421.00
GASB 31 Adjustment to Books (See Note 3 on page 18)	\$ (206,003.82)
Total	\$ 150,874,417.18

ORANGE COUNTY FIRE AUTHORITY

Portfolio Management

Portfolio Details - Investments

March 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			8,665,416.51	8,665,416.51	8,665,416.51	0.910	0.910	1	
Subtotal and Average			9,224,774.50		8,665,416.51	8,665,416.51	8,665,416.51		0.910	1	
Federal Agency Coupon Securities											
3133EFJP3	869	Federal Farm Credit Bank (Callable Anytime)		10/15/2015	10,000,000.00	9,953,400.00	10,000,000.00	1.100	1.054	205	10/15/2018
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,902,210.00	7,000,000.00	1.180	1.375	495	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,922,690.00	9,000,000.00	1.625	1.518	580	10/25/2019
Subtotal and Average			34,608,695.65		26,000,000.00	25,778,300.00	26,000,000.00		1.301	413	
Federal Agency Disc. -Amortizing											
313385VE3	931	Fed Home Loan Bank		12/20/2017	9,000,000.00	8,995,320.00	8,995,677.50	1.330	1.373	13	04/06/2018
313385WY8	933	Fed Home Loan Bank		01/11/2018	9,000,000.00	8,977,230.00	8,980,475.00	1.420	1.467	55	05/18/2018
313385XN1	934	Fed Home Loan Bank		01/11/2018	9,000,000.00	8,970,480.00	8,975,332.50	1.430	1.478	69	06/01/2018
Subtotal and Average			26,939,990.00		27,000,000.00	26,943,030.00	26,951,485.00		1.439	46	
Treasury Coupon Securities											
912828XF2	935	Treasury Note		03/08/2018	8,000,000.00	7,988,480.00	7,989,939.39	1.125	1.675	83	06/15/2018
Subtotal and Average			5,557,586.30		8,000,000.00	7,988,480.00	7,989,939.39		1.675	83	
Treasury Discounts -Amortizing											
912796PC7	932	US Treasury Bill		01/04/2018	8,000,000.00	5,989,680.00	5,990,800.00	1.380	1.406	40	05/03/2018
912796PM5	936	US Treasury Bill		03/08/2018	8,000,000.00	7,963,680.00	7,964,394.66	1.669	1.701	96	06/28/2018
912796PL7	937	US Treasury Bill		03/15/2018	3,000,000.00	2,988,810.00	2,988,417.50	1.695	1.726	82	06/14/2018
912796PM5	938	US Treasury Bill		03/15/2018	3,000,000.00	2,986,380.00	2,986,520.00	1.685	1.717	96	06/28/2018
Subtotal and Average			16,603,197.52		20,000,000.00	19,928,550.00	19,930,132.16		1.618	77	
Local Agency Investment Funds											
SYS336	336	Local Agency Invstmt Fund			61,000,000.00	60,883,705.27	61,000,000.00	1.412	1.412	1	
Subtotal and Average			61,000,000.00		61,000,000.00	60,883,705.27	61,000,000.00		1.412	1	
Total and Average			153,934,243.97		150,685,416.51	150,187,481.78	150,536,973.06		1.410	95	

ORANGE COUNTY FIRE AUTHORITY
Portfolio Management
Portfolio Details - Cash
March 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		07/01/2017	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2017	502,925.96	502,925.96	502,925.96		0.000	1
Average Balance			0.00	Accrued Interest at Purchase		20,521.98	20,521.98			1
				Subtotal		543,447.94	543,447.94			
Total Cash and Investments			153,934,243.97		151,188,342.47	150,730,929.72	151,080,421.00		1.410	95

(This Page Intentionally Left Blank)



ORANGE COUNTY FIRE AUTHORITY
Aging Report
By Maturity Date
As of March 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	(03/24/2018 - 03/24/2018)	4 Maturities	0 Payments	70,188,342.47	46.46%	70,188,342.47	70,072,047.74
Aging Interval:	1 - 30 days	(03/25/2018 - 04/23/2018)	1 Maturities	0 Payments	9,000,000.00	5.96%	8,995,677.50	8,995,320.00
Aging Interval:	31 - 60 days	(04/24/2018 - 05/23/2018)	2 Maturities	0 Payments	15,000,000.00	9.91%	14,971,275.00	14,966,910.00
Aging Interval:	61 - 91 days	(05/24/2018 - 06/23/2018)	3 Maturities	0 Payments	20,000,000.00	13.21%	19,953,689.39	19,947,770.00
Aging Interval:	92 - 121 days	(06/24/2018 - 07/23/2018)	2 Maturities	0 Payments	11,000,000.00	7.25%	10,950,914.66	10,950,060.00
Aging Interval:	122 - 152 days	(07/24/2018 - 08/23/2018)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	153 - 183 days	(08/24/2018 - 09/23/2018)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	184 - 274 days	(09/24/2018 - 12/23/2018)	1 Maturities	0 Payments	10,000,000.00	6.62%	10,000,000.00	9,953,400.00
Aging Interval:	275 - 365 days	(12/24/2018 - 03/24/2019)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	366 - 1095 days	(03/25/2019 - 03/23/2021)	2 Maturities	0 Payments	16,000,000.00	10.59%	16,000,000.00	15,824,900.00
Aging Interval:	1096 days and after	(03/24/2021 -)	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Total for			15 Investments	0 Payments		100.00	151,059,899.02	150,710,407.74



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, 2017 includes a decrease of (\$68,353) to the LAIF investment and a decrease of (\$137,651) 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
April 26, 2018

Agenda Item No. 3B
Consent Calendar

Contract Extension for Structural Firefighting Gloves

Contact(s) for Further Information

Lori Zeller, Assistant Chief
Business Services Department

lorizeller@ocfa.org

714.573.6020

Debbie Casper, Purchasing Manager

debbiecasper@ocfa.org

714.573.6641

Summary

This item is submitted for approval to extend the previously approved contract with AllStar Fire Equipment, Inc. (AllStar) for the periodic replacement of structural firefighting gloves.

Prior Board/Committee Action

At its March 24, 2016, meeting, the Executive Committee approved issuing a one-year sole source contract to AllStar with one optional one-year renewal and funding not to exceed \$60,000 annually.

At its October 27, 2016, meeting, the Board of Directors approved the release of excess General Fund reserves in the amount of \$2,300,000 to fund the one-time outfitting of a second set of personal protective equipment (PPE) for every firefighter.

At its April 27, 2017, meeting, the Executive Committee approved the one-time increase of the contract amount by \$80,000 from \$60,000 to \$140,000 to allow for the outfitting of a second set of gloves as part of the distribution of the second sets of PPE.

RECOMMENDED ACTION(S)

Approve and authorize the Purchasing Manager to execute two one-year renewal options for the blanket order with AllStar Fire Equipment, Inc. for structural firefighting gloves for a two-year aggregate amount not to exceed \$120,000 (\$60,000 annually).

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for this contract has been approved in the adopted FY 2017/18 General Fund Budget, specifically in the Material Management Section's budget for clothing and personal supplies.

Background

Justification

AllStar is the sole distributor of the Lion Commander Ace Protective Glove in California, as verified in a letter from the manufacturer. The Lion Commander Ace is OCFA's current standard glove for structural firefighting, an integral part of the firefighter turnout clothing system.

Lion Commander Ace

In 2015, after several failures of the previous standard-issue structural firefighting glove, the Pro-Tech 8, OCFA issued Request for Information (RFI) JA2059. Vendors submitted twelve types of gloves from seven manufacturers and these were evaluated by six instructors from Academy 41. As a result of the evaluation process, the Lion Commander Ace glove was determined to be the superior glove.

Additionally, in 2017 Service Center staff conducted an analysis of the rate of glove replacement for Academy 42 and Academy 43 recruits. They found that while the old glove standard was being replaced approximately 1.5 times per recruit, the Commander Ace was replaced less than one (.88) time per recruit. Although the Commander Ace is more expensive than the previous glove (\$74.85 per pair of Commander Ace versus the current retail price of \$64.99 per pair of Pro-Tech 8), there is a savings that is realized by having to replace this glove fewer times. For example, in a 50-recruit academy, the total cost of the Pro-Tech 8 gloves (initial outfitting and 1.5 replacements per recruit) would come to \$8,753 with tax. In the same scenario, the total cost of the Commander Ace gloves (initial outfitting and .88 replacements per recruit) would be \$7,581 with tax, a savings of approximately 13%.

The Commander Ace has proven to be a better value as it is more durable and much safer than OCFA's previous structural firefighting glove. AllStar initially offered the Commander Ace for \$84 per pair. As the result of negotiations, AllStar lowered their initial price to \$72 per pair. They also agreed that price increases after the initial contract term would be subject to the manufacturer's annual price increase which in no case would exceed 5% annually.

By extending the term of the glove contract for two years, the renewal of this contract will coincide with the expiration of the contract issued to AllStar for firefighter turnout clothing. The current turnout clothing is also manufactured by Lion and was awarded to AllStar, the highest ranked firm in a competitive solicitation. The gloves and the turnouts meet or exceed all current NFPA 1851 requirements and were determined to be the most suitable personal protective equipment for OCFA personnel. Before the end of both the glove and turnout contracts, staff will evaluate the Lion personal protective equipment against the latest industry standards and will bring a recommendation before this committee for approval.

Process to Exercise 2018 and 2019 Contract Renewal Options

Staff requested fixed pricing from AllStar for two additional renewal years in an effort to avoid or limit any further requests for pricing increases. In response, the manufacturer, Lion, agreed to limit their increases for the 2018 and 2019 renewals to 3% annually, rather than the allowable 5%. Although the pricing for the next two contract renewals will increase to \$77.10 per pair for 2018 and \$79.41 per pair for 2019, these prices are still lower than the initial pricing offered in 2015. As a result, staff recommends approval to renew the contract for a two-year period with an aggregate amount not to exceed \$120,000 (\$60,000 annually).

Attachment(s)

OCFA Notice Requesting Renewal of Annual Contract with AllStar Equipment's Response

THE ORANGE COUNTY FIRE AUTHORITY

Purchasing & Materials Management
1 Fire Authority Road, Irvine, CA 92602

NOTICE REQUESTING RENEWAL OF ANNUAL CONTRACT

Date: February 26, 2018

Vendor Name: AllStar Fire Equipment, Inc.
12328 Lower Azusa Road
Arcadia, CA 91006
Attn: Jason Broede

The Orange County Fire Authority is requesting to renew your annual contract as listed below.

Contract/Blanket Order #: B01663-1
Description of Service or Product: Structural Firefighting Gloves
Expiration Date: March 31, 2018
Period of Extension: April 1, 2018 through March 31, 2020

Please review the pricing in Blanket Order #B01663-1. All pricing, terms and conditions will remain the same unless otherwise noted.

- Please complete and return the attached pricing sheet for the next two renewal years.

Please acknowledge your acceptance by signing below and returning by email to:

Sara Kennedy, Buyer
(714) 573-6643
sarakennedy@ocfa.org

Allstar Fire Equipment, Inc.

Company Name

12328 Lower Azusa Road, Arcadia, CA 91006

Address City State Zip Code

Jason Broede Jason Broede / Inside Sales / P.P.E.
Authorized Signature Printed Name

626.652.0900 626.652.0920

Phone Number Fax Number

jasonb@allstafire.com 03/02/18

Email (please print) Date

Please register with our on-line vendor database to participate in any future bid opportunities with OCFA. If you are already registered please log in and review your company information in case any contact information has changed. You may register or log in by following this link: <https://www.planetbids.com/portal/portal.cfm?CompanyID=14773>.

AllStar Fire Equipment, Inc.
B01663-1 – Structural Firefighting Gloves
Contract Renewal Pricing Sheet

Lion Commander Ace, #LPG928BK, Gauntlet Style

Current Price: \$74.85 / Pair **Year Three Price:** \$77.10/Pair **Year Four Price:** \$79.41/Pair

If pricing for Year Three has increased, please provide a justification: _____

Please see attached letter from manufacturer.

If pricing for Year Four will increase over Year Three pricing, please provide a justification: _____

Please see attached letter from manufacturer.



March 2nd, 2018

Allstar Fire Equipment
Joe Sposato
12328 Lower Azusa Rd
Arcadia, CA 91006

Re: Renewal of Contract #**B01663**
Structural Firefighting Gloves
LION Commander Ace LPG928BK

Dear Mr. Sposato,

Thank you for the sharing the letter dated February 26th, 2018 from Orange County Fire Authority requesting pricing for year three and four of the Structural Firefighting Gloves contract. As you are aware LION did announce the 3% increase in our 2018 glove prices. This increase was due to an increase in the price of both the leather and the moisture barrier component of the gloves. We understand that information was already shared with OCFA.

We want to help OCFA in their planning/budgeting process for 2019 and 2020. Given the contract B01663-1 expires on March 31st of 2020, LION would simply request a 3% price increase in April of 2019 to run the remainder of the contract. It is difficult to know at this time whether our increases from upstream suppliers will be in excess of 3% but we will offer this given the partnership we have with both Allstar Fire and OCFA.

Again, LION would like to propose the 3% price increase to take effect on April 1st, 2019 and we will hold that price through April of 2020. Please let me know if there is anything else I can do to assist you in this matter.

Thank you for your continued support.

Sincerely,

Michelle Trout
Metro Account Manager
LION

cc: Mr. Joe Sposato, Allstar Fire
Ms. Jill Hopper, Allstar Fire
Mr. John Sprengelmeyer/Jason Broede, Allstar Fire
Mrs. Christine Mays, LION

7200 Poe Ave. | Suite 400 | Dayton, OH 45414
tf: 800.548.6614 | p: 937.898.1949 | f: 937.898.2848 info@lionprotects.com | www.lionprotects.com



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

Agenda Item No. 3C
Consent Calendar

**Blanket Orders Extensions for
Programming and Professional Services for Information Technology**

Contact(s) for Further Information

Dave Anderson, Assistant Chief
Support Services Department

daveanderson@ocfa.org

714.573.6006

Joel Brodowski, IT Manager

joelbrodowski@ocfa.org

714.573.6421

Summary

This agenda item seeks approval to extend the previously approved blanket orders with FATPOT Technologies, TriTech Software Systems, and Westnet Inc. for as-needed programming and professional services for enhanced functionality to OCFA public safety systems.

Agenda Item Nos. 3C and 3D both list FATPOT as one of the vendors and are differentiated by the type of service requested in each staff report. Agenda Item 3C is for a 3-year contract for as-needed programming services from FATPOT and two other vendors (TriTech, Westnet Inc.). Agenda Item 3D is to renew the annual contracts for software licenses and maintenance for FATPOT and DECCAN for up to 3-years.

Prior Board/Committee Action

At the March 19, 2015, Executive Committee Meeting, the Committee approved three-year sole source contracts with FATPOT Technologies, TriTech Software Systems, Deccan International, and Westnet, Inc., with the ability to redistribute or adjust funding between the contracts at an aggregate amount not to exceed \$85,000 annually.

RECOMMENDED ACTIONS:

1. Approve and authorize the Purchasing Manager to extend the current contracts for as-needed services to FATPOT Technologies, TriTech Software Systems, and Westnet, Inc., for up to three years.
2. Approve and authorize the Purchasing Manager to redistribute or adjust funding between the three contracts as requested by the department so long as the aggregate amount of the contracts collectively does not exceed \$85,000 annually (\$255,000 during the additional three-year term).

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for this contract has been approved in the Adopted FY 2017/18 General Fund budget, specifically in the Information Technology Section's budget for services and supplies.

Background

OCFA Computer Aided Dispatch System

The OCFA uses a state-of-the-art TriTech Computer Aided Dispatch (CAD) system that went live on September 9, 2014. Due to the complexity and large number of systems affected by the CAD system, staff anticipate periodic custom enhancements necessary to optimize its performance, and the critical systems it interfaces with including FATPOT automatic vehicle location (AVL) and CAD2CAD systems; and the Westnet fire station alerting system. The anticipated custom enhancements are usually significant and typically cost between \$5,000 and \$10,000.

The contract amounts requested are estimated annual expenditures based on past experience since the CAD system was implemented. Price quotes are obtained from each of the vendors for the enhancements prior to the services being performed. Any major enhancements exceeding \$25,000 in total cost will be submitted as separate projects to the Executive Committee for approval before proceeding. Below are proposed costs and the descriptions of each system and proposed sole source provider.

Proposed Blanket Order Contract Extensions

Vendors & Blanket Orders	Contract End Dates for Annual Renewal Options	New Annual Total
FATPOT Technologies, LLC <i>CAD2CAD and AVL systems that interface with OCFA CAD, ambulance providers, regional Fire Dispatch Centers (Costa Mesa, Laguna Beach, Metro Net)</i>	4/30/2019 4/30/2020 4/30/2021	\$25,000.00
TriTech Software Systems <i>Computer Aided Dispatch (CAD) system that interfaces with other systems including FATPOT and Westnet Inc., and other regional Fire Dispatch Centers and ambulance providers.</i>	4/30/2019 4/30/2020 4/30/2021	\$35,000.00
Westnet, Inc. <i>Station alerting system electronics, hardware, custom programming installed at RFOTC and all OCFA fire stations</i>	4/30/2019 4/30/2020 4/30/2021	\$25,000.00
Total		\$85,000.00

Sole Source Justification

FATPOT Technologies, LLC

FATPOT is the sole source provider of the regional AVL and CAD2CAD systems that captures, integrates, and shares GPS location coordinates, unit capabilities, and statuses of all emergency apparatus and shares that information thru interfaces to the regional Fire Dispatch Center CAD systems including OCFA, MetroNet, Laguna Beach, and Costa Mesa.

TriTech Software Systems

TriTech was the vendor selected in a competitive RFP process for the CAD system that went live on September 9, 2014. It is a highly complex system with dozens of software components, interfaces with other OCFA systems, and third-party software integrations. While the new CAD system runs on commercial off the shelf hardware and software, its core technology is proprietary and will require TriTech engineering support for future functional enhancements customized to OCFA's specific requirements.

Westnet, Inc.

Westnet, Inc. is the vendor of the core fire station alerting control system technology that integrates the OCFA TriTech CAD system with the existing individual 'legacy' fire station alerting systems electronics and related hardware installed in the OCFAs 72 fire stations. OCFA staff is in the process of replacing the 'legacy' fire station alerting systems at all OCFA fire stations with the Westnet SmartStation. This will involve upgrading electrical circuits where required, replacing wiring, lighting, horns, speakers, and controllers with the new technology. The level of customization required to meet the individual needs of each fire station at times requires specialized programming from Westnet engineers to modify and enhance the system.

Conclusion

Staff is requesting approval and authorization to extend the current contracts with the listed vendors for as-needed programming and professional services for enhanced functionality to the OCFA public safety systems for up to three years at a total amount of \$85,000 annually (\$255,000 for the additional three-year term). Staff is also requesting authorization for the Purchasing Manager to redistribute or adjust funding between the four contracts as requested by the department so long as the aggregate amount does not exceed \$85,000 annually.

Attachment(s)

1. Professional Services Agreement Amendment 1 – FATPOT
2. Professional Services Agreement Amendment 1 – TriTech
3. Professional Services Agreement Amendment 1– Westnet
4. Sole Source Justification Forms

**ORANGE COUNTY FIRE AUTHORITY
AMENDMENT NUMBER ONE
TO PROFESSIONAL SERVICES AGREEMENT**

THIS AMENDMENT NUMBER ONE TO PROFESSIONAL SERVICES AGREEMENT ("Amendment One") is made and entered into to be effective this ____ day of March, 2018, by and between the Orange County Fire Authority, a public agency, hereinafter referred to as "OCFA", and FatPot Technologies, LLC., a Corporation, hereinafter referred to as "Firm". OCFA and Firm are sometimes collectively referred to herein as the "Parties."

RECITALS

WHEREAS, OCFA and Firm entered into that certain Professional Services Agreement on June 16, 2015 ("Agreement"), for custom programming services to enhance Automatic Vehicle Location (AVL) and Computer Aided Dispatch (CAD) interfaces, which is incorporated herein by this reference; and

WHEREAS, the term of the Agreement will expire April 30, 2018; and

WHEREAS, OCFA and Firm desire to extend the Agreement for an additional three-year term subject to the terms and conditions set forth herein.

NOW, THEREFORE, OCFA and Firm mutually agree as follows:

1. Section 4.3 of the Agreement is hereby amended and restated in its entirety to read as follows:

4.3 Term.

Unless earlier terminated in accordance with Section 8.5 of this Agreement, or extended by mutual written agreement of the parties, this Agreement shall continue in full force and effect until April 30, 2021.

2. Except as modified above, all terms and conditions of the Agreement shall remain unchanged and in full force and effect.

3. The persons executing this Amendment One on behalf of the Parties warrant that they are duly authorized to execute this amendment on behalf of said Parties and that by so executing this amendment the Parties are formally bound by the provisions of this Amendment One.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the Parties have executed this Amendment One as of the dates stated below.

"OCFA"

ORANGE COUNTY FIRE AUTHORITY

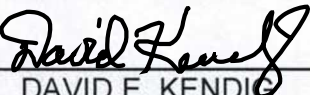
Date: _____

By: _____

Debbie Casper, C.P.M., CPPB
Purchasing & Materials Manager

APPROVED AS TO FORM.

ATTEST:

By: 
DAVID E. KENDIG
GENERAL COUNSEL

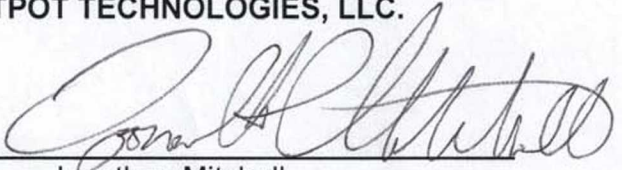
Sherry A.F. Wentz
Clerk of the Authority

Date: March 14, 2018

"FIRM"

FATPOT TECHNOLOGIES, LLC.

Date: March 8, 2018

By: 
Jonathan Mitchell
VP of Sales & Marketing

Date: Mar. 8, 2018

By: 
Richard King
President

**ORANGE COUNTY FIRE AUTHORITY
AMENDMENT NUMBER ONE
TO PROFESSIONAL SERVICES AGREEMENT**

THIS AMENDMENT NUMBER ONE TO PROFESSIONAL SERVICES AGREEMENT ("Amendment One") is made and entered into to be effective this ____ day of March, 2018, by and between the Orange County Fire Authority, a public agency, hereinafter referred to as "OCFA", and TriTech Software Systems, hereinafter referred to as "Firm". OCFA and Firm are sometimes collectively referred to herein as the "Parties."

RECITALS

WHEREAS, OCFA and Firm entered into that certain Professional Services Agreement on June 30, 2015 ("Agreement"), for professional or programming services, which is incorporated herein by this reference; and

WHEREAS, the term of the Agreement will expire April 30, 2018; and

WHEREAS, OCFA and Firm desire to extend the Agreement for an additional three-year term subject to the terms and conditions set forth herein.

NOW, THEREFORE, OCFA and Firm mutually agree as follows:

1. Section 3.1 of the Agreement is hereby amended and restated in its entirety to read as follows:

3.1 Compensation of Firm.

For the services rendered pursuant to this Agreement, Firm shall be compensated and reimbursed at an hourly rate of \$175 per hour for Project Services Fee, and \$175 per hour for Project Management Fee, on an as-needed basis in accordance with the terms set forth in Exhibit "A", in an amount not to exceed a cumulative \$35,000 annually. The Firm reserves the right to adjust the hourly rate annually based on the Firm's then current rates for such services.

2. Section 4.3 of the Agreement is hereby amended and restated in its entirety to read as follows:

4.3 Term.

Unless earlier terminated in accordance with Section 8.5 of this Agreement, or extended by mutual written agreement of the parties, this Agreement shall continue in full force and effect until April 30, 2021.

3. Except as modified above, all terms and conditions of the Agreement shall remain unchanged and in full force and effect.

4. The persons executing this Amendment One on behalf of the parties hereto warrant that they are duly authorized to execute this amendment on behalf of said parties and that by so executing this amendment the Parties are formally bound by the provisions of this Amendment One.

IN WITNESS WHEREOF, the Parties have executed this Amendment One as of the dates stated below.

"OCFA"

ORANGE COUNTY FIRE AUTHORITY

Date: _____

By: _____

Debbie Casper, C.P.M., CPPB
Purchasing & Materials Manager

APPROVED AS TO FORM.

By: 
DAVID E. KENDIG
GENERAL COUNSEL

ATTEST:


Sherry A.F. Wentz
Clerk of the Board

Date: 3/15/2018

"FIRM"

TRITECH SOFTWARE SYSTEMS

Date: March 8, 2018

By: 
Blake Clark
Chief Financial Officer

Date: _____

By: 
Tony Eales
Chief Executive Officer

**ORANGE COUNTY FIRE AUTHORITY
AMENDMENT NUMBER ONE
TO PROFESSIONAL SERVICES AGREEMENT**

THIS AMENDMENT NUMBER ONE TO PROFESSIONAL SERVICES AGREEMENT ("Amendment One") is made and entered into to be effective this ____ day of March, 2018, by and between the Orange County Fire Authority, a public agency, hereinafter referred to as "OCFA", and Westnet Inc., a Corporation, hereinafter referred to as "Firm". OCFA and Firm are sometimes collectively referred to herein as the "Parties."

RECITALS

WHEREAS, OCFA and Firm entered into that certain Professional Services Agreement on June 16, 2015 ("Agreement"), for custom programming services to integrate Westnet Fire Station Alerting System with the OCFA Public Safety Systems, which is incorporated herein by this reference; and

WHEREAS, the term of the Agreement will expire April 30, 2018; and

WHEREAS, OCFA and Firm desire to extend the Agreement for an additional three-year term subject to the terms and conditions set forth herein.

NOW, THEREFORE, OCFA and Firm mutually agree as follows:

1. Section 4.3 of the Agreement is hereby amended and restated in its entirety to read as follows:

4.3 Term.

Unless earlier terminated in accordance with Section 8.5 of this Agreement, or extended by mutual written agreement of the parties, this Agreement shall continue in full force and effect until April 30, 2021.

2. Except as modified above, all terms and conditions of the Agreement shall remain unchanged and in full force and effect.

3. The persons executing this Amendment One on behalf of the Parties warrant that they are duly authorized to execute this amendment on behalf of said Parties and that by so executing this amendment the Parties are formally bound by the provisions of this Amendment One.

[SIGNATURES ON FOLLOWING PAGE]

4. Except as modified above, all terms and conditions of the Agreement shall remain unchanged and in full force and effect.

5. The persons executing this Amendment One on behalf of the Parties warrant that they are duly authorized to execute this amendment on behalf of said Parties and that by so executing this amendment the Parties are formally bound by the provisions of this Amendment One.

IN WITNESS WHEREOF, the Parties have executed this Amendment One as of the dates stated below.

"OCFA"

ORANGE COUNTY FIRE AUTHORITY

Date: _____

By: _____
Debbie Casper, C.P.M., CPPB
Purchasing & Materials Manager

APPROVED AS TO FORM.

By:  For _____
DAVID E. KENDIG
GENERAL COUNSEL

ATTEST:

Sherry A.F. Wentz
Clerk of the Authority

Date: 3/26/18

"FIRM"

WESTNET, INC.

Date: 3/26/18

By:  _____
Dawn Matheny
Chief Financial Officer

Date: 3/22/18

By:  _____
Richard Matheny
Chief Executive Officer

**WESTNET**

15542 Chemical Lane
Huntington Beach, CA 92649
Phone: 714-548-3500 Fax: 714-901-5610
www.FirstInAlerting.com



Quote: Orange County Fire Authority First-In Alerting System Programming and Testing Rates

To: Orange County Fire Authority**From: Zulema Gonzalez**

Orange County Fire Authority

1 Fire Authority Road

Irvine, CA 92602

Summary

Total Amount:		Quote ID:	Q-04026-G2S9
Shipping Method:	Ground	Date:	3/8/2018
Payment Terms:	Net 30	Effective To:	6/7/2018
Description:	This quote lists the hourly rate for Professional Services that are required to integrate the Westnet Fire Station Alerting System with the OCFA Public Safety Systems. This includes Technician Time, Standard Programming, Engineering Time and Custom Programming enhancements that fall outside of the scope of the OCFA / Westnet Annual Maintenance Agreement.		
	Rates are for services only and do not include materials.		

Clarifying Comments:

Shipping Information

Ship To:**Bill To:**

Details

Product ID	Product	QTY	Price	Sub Total
	Technician Time	1.00	\$165.00	\$165.00
	Standard Programming	1.00	\$185.00	\$185.00
	Engineering Time	1.00	\$275.00	\$275.00
	Custom Programming and Testing Services	1.00	\$325.00	\$325.00

NOTES:

1. In the event that taxes, other than sales tax apply to the purchase of this equipment, said taxes will be paid by the customer.
2. Quote is based on a properly working and installed CAD, radio system(s), station radio(s) and does not include costs for repair or modifications of the CAD, radio system(s), or station radio(s).
3. Any equipment drawings included with this quote are for quoting purposes only and are not to be used as working drawings unless such drawings are labeled "Installation Drawings". See attached Limited Warranty.

Manufacturer's warranties apply on all parts. First-In warranty is provided by Westnet and consists of one-year parts and labor. Warranty does not apply to damage resulting from outside agencies or extraneous circumstances. Installation labor for any other items is ninety days. This quote is based on the reasonable assumption that the fire station is prepared to accept the above listed parts and that any existing equipment involved with the fire station alarm be in good working order or that it will be prior to commencement of the First-In installation. Westnet has made reasonable attempts to verify that conditions are satisfactory such that installation may occur. However, should an occurrence arise where further parts, labor and/or engineering are required, the customer may be billed at the Purchase Order rate. Any additional parts, labor and/or engineering exceeding \$250 will have prior approval, unless otherwise specified by the customer prior to commencement.

If payment is not received by 30 (thirty) days from the date of invoice, a late charge of 1.5% per month of the unpaid balance will be charged to that particular invoice.

OCFA Sole Source Request Form

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: Support Services/Information Technology	Requested By: Todd Muilenburg	Date: 03/22/2018
Recommended Vendor: FATPOT TECHNOLOGIES, LLC	Vendor Contact: Richard King	Vendor's E-mail Address: rking@fatpot.com
Vendor Address: 655 Medical Drive Suite 100, Bountiful, UT 84010		Vendor's Telephone #: 801-397-3973
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): 05/01/2018 - 04/30/2021	Contract Amount: \$75,000
<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 checked="" 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.**
FATPOT TECHNOLOGIES, LLC provides software and support services for the Regional CAD2CAD (C2C) and AVL sys
This request is for as-needed programming services to the FATPOT Regional CAD2CAD system for amounts less than
\$25,000 per instance. The intention is to have funding available for quick programming fixes when needed.
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.**
FATPOT is the OEM and only authorized entity to program, license, or provide professional services to maintain, modify
or otherwise enhance the Regional CAD2CAD system. FATPOT was selected after a competitive RFP process in 2007,
and again approved in November 2017 to develop the Next Generation CAD2CAD replacement of the current C2C system.

SECTION III – JUSTIFICATION (continued)

As such, other vendors are unable to make programming changes to the FATPOT technology.

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.*

OCFA will be charged the standard FATPOT programming rate of \$175/hour.


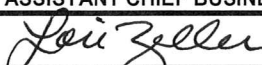
4. **Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)?**
(If yes, please explain how and what the future costs will be.)

No. This is for ad-hoc programming requests only and does not require a minimum amount of work. OCFA only pays for the programming work when needed.

Sole Source Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
Todd Muilenburg		8-Mar-2018
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Joel Brodowski		8-Mar-2018
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Dave Anderson		8-Mar-2018

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	3/8/18
ASSISTANT CHIEF BUSINESS SERVICES CONCURRENCE	DATE
	3/12/18

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

Executive Committee Approved: ☐ Yes ☐ No Date approved _____

OCFA Sole Source Request Form

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: Support Services/Information Technology	Requested By: Todd Muilenburg	Date: 03/22/2018
Recommended Vendor: TriTech Software Systems	Vendor Contact: Martha Chavez	Vendor's E-mail Address: martha.chavez@tritech.com
Vendor Address: 9477 Waples Street, Suite 100, San Diego, Ca. 92121		Vendor's Telephone #: 858--799-7838
Type of Contract: <input type="checkbox"/> One-time <input checked="" type="checkbox"/> Multi-Year <input checked="" type="checkbox"/> Renewal <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Increase	Contract Term (Dates): 05/01/2018 - 04/30/2021	
Contract Amount: \$86,000 \$105,000		Attachments: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<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>		

SECTION III – JUSTIFICATION

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

The professional services requested include custom programming to the TriTech Computer Assisted Dispatch (CAD) system and it's many ancillary systems including adaptors, interfaces, and other sub-systems. The requested custom programming is needed for small scale (less than \$25,000 per instance) requests that are needed occasionally.

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.**

TriTech Software Systems is the OEM for the TriTech CAD system and it's ancillary systems like the CAD System adapter. TriTech software and systems can only be licensed, installed, and configured by TriTech personnel.

OCFA staff is not authorized to make core programming changes to the TriTech system without voiding the system

SECTION III – JUSTIFICATION (continued)

performance guarantee.


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.

OCFA will be charged the standard TriTech programming rate.

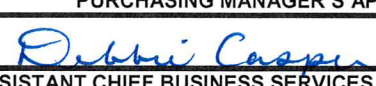
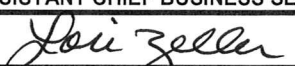
4. Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)?
(If yes, please explain how and what the future costs will be.)

No. This request is for ad-hoc programming services only with no minimum required. Large programming requests (larger than \$25,000) will be submitted as separate requests for approval.

Sole Source Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
Todd Muilenburg		8-Mar-2018
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Joel Brodowski		8-Mar-2018
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Dave Anderson		8-Mar-2018

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	3/8/18
ASSISTANT CHIEF BUSINESS SERVICES CONCURRENCE	DATE
	3/12/18

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

Executive Committee Approved: ☐ Yes ☐ No Date approved _____

OCFA Sole Source Request Form

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: Support Services/Information Technology	Requested By: David Johnson	Date: 03/22/2018
Recommended Vendor: Westnet, Inc.	Vendor Contact: Lana Gray	Vendor's E-mail Address: lgray@westnet-inc.com
Vendor Address: 15542 Chemical Lane, Huntington Beach, CA. 92649		Vendor's Telephone #: 714-548-3500
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): 05/01/2018 - 04/30/2021	Contract Amount: \$75,000 (3 - year aggregate)
<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 checked="" 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.**
Westnet, Inc. is the Original Equipment Manufacturer (OEM) for their digital electronic fire station alerting SmartStation.
This request is for as-needed programming services to the Westnet, Inc. SmartStation alerting systems for amounts less than \$25,000 per instance. The intention is to have funding available for quick programming fixes when needed.
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.**
Westnet, Inc. is OEM and sole source of their proprietary digital electronic fire station alerting systems, programming, and professional services to install and maintain their SmartStation system. As such, other vendors are unable to make programming changes to the Westnet technology.

SECTION III – JUSTIFICATION (continued)

All OCFA fire stations are being upgraded with Westnet, Inc. SmartStations and may require occasional custom programming or other small custom modifications and changes which is when this contract would be used.

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.

OCFA will be charged the standard Westnet programming rates, though staff has negotiated an agreement with Westnet to train OCFA staff to maintain the Westnet systems which may result in savings by not being 100% reliant on Westnet for all repairs and upgrades.


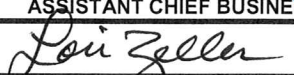
4. Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)?
(If yes, please explain how and what the future costs will be.)

No. This is for ad-hoc programming requests only and does not require a minimum amount of work. OCFA only pays for the programming work when needed.

Sole Source Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
David Johnson		8-Mar-2018
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Joel Brodowski		8-Mar-2018
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Dave Anderson		8-Mar-2018

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	3/9/18
ASSISTANT CHIEF BUSINESS SERVICES CONCURRENCE	DATE
	3/12/18

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

Executive Committee Approved: ☐ Yes ☐ No Date approved _____



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

Agenda Item No. 3D
Consent Calendar

Blanket Order Contract Renewals – Information Technology

Contact(s) for Further Information

Dave Anderson, Assistant Chief
Support Services Department

daveanderson@ocfa.org

714.573.6006

Joel Brodowski, IT Manager

joelbrodowski@ocfa.org

714.573.6421

Summary

This agenda item is submitted for approval to renew and adjust previously approved blanket orders for annual software license, maintenance, and support fees for FATPOT Technologies, LLC (FATPOT) for the Automatic Vehicle Location (AVL) and CAD2CAD (C2C) systems, and Deccan International (Deccan) for emergency apparatus Live Move-Up Module (LiveMUM) recommendations.

Agenda Item Nos. 3C and 3D both list FATPOT as one of the vendors and are differentiated by the type of service requested in each staff report. Agenda Item 3C is for a 3-year contract for as-needed programming services from FATPOT and two other vendors (TriTech, Westnet Inc.). Agenda Item 3D is to renew the annual contracts for software licenses and maintenance for FATPOT and DECCAN for up to 3-years.

Prior Board/Committee Action

At the April 16, 2015, Executive Committee meeting, the Committee approved an extension of the sole source contract with FATPOT for an additional three-year period in an amount not to exceed \$102,820 per year.

At the February 26, 2015, Executive Committee meeting, the Committee approved an extension of the sole source contract with Deccan for an additional three-year period in an amount not to exceed \$32,017 per year.

RECOMMENDED ACTIONS:

1. Approve and authorize the Purchasing Manager to extend the current blanket order with FATPOT Technologies, LLC for two additional one-year periods at an amount not to exceed \$102,820 annually. (\$205,640 during the two-year period).
2. Approve and authorize the Purchasing Manager to extend the current sole source blanket order with Deccan International for three additional one-year periods at an initial amount not to exceed \$35,575, and to approve price increases of up to 3% per year; total is not to exceed \$109,969 during the three-year period.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for these contracts has been approved in the adopted FY 2017/18 General Fund Budget, specifically in the Information Technology Section's budget for services and supplies.

Background

Sole Source Justification

FATPOT Technologies, LLC – OCFA is the administrator of the FATPOT AVL and C2C systems originally installed in 2007. FATPOT is the only distributor of the software and was selected after a competitive Request for Proposal process. The AVL and C2C systems capture, integrate, and distribute GPS location coordinates, unit capabilities, and status of all emergency apparatus to participating fire agency Computer Aided Dispatch (CAD) systems including the OCFA, Metronet, Laguna Beach, and Costa Mesa.

On November 16, 2017, a project was approved by the Executive Committee to upgrade the FATPOT AVL and C2C system with the FATPOT Next Generation C2C (NG-C2C) system. Upgrading to the NG-C2C system will take an estimated 12 to 18 months. The current FATPOT software license and maintenance agreement expires May 31, 2018. Staff is requesting to extend this contract for two years as the NG-C2C upgrade project is implemented.

Deccan International – On April 23, 2009, the OCFA Board of Directors approved a sole source contract with Deccan to implement its LiveMUM in the amount of \$172,895 funded by the State Homeland Security Grant Program. LiveMUM is a proprietary software application that is used by the OCFA Emergency Communications Center (ECC) to interface with CAD data and predict efficient move-up recommendations for OCFA apparatus and fire stations based on preset criteria. Deccan is the owner/developer of LiveMUM and the only distributor for this software. The cost of this contract is based on the number of fire stations operated by OCFA and will increase as more fire stations are added. Staff is requesting approval to extend this sole source contract for up to three years.

Pricing

FATPOT has agreed to keep the annual software license, maintenance and support fees for the next two years at the current price.

Vendors & Blanket Orders	Contract End Dates for Annual Renewal Options	Original BO amount	New Annual Total
FATPOT Technologies, LLC - annual contract	5/31/2018	\$102,820	
Regional AVL and CAD2CAD system	5/31/2019		\$102,820
BO1257-8	5/31/2020		\$102,820
Deccan International - annual contract	4/30/2018	\$32,017	
LiveMUM move-up system	4/30/2019		\$35,575
BO1411-5	4/30/2020		\$36,642
	4/30/2021		\$37,752

Conclusion

To continue current AVL, CAD2CAD, and LiveMUM operations using FATPOT and Deccan software, staff is requesting approval and authorization for the Purchasing Manager to renew and adjust previously approved blanket order contracts for up to an additional three years as detailed in the above price matrix for annual software license and maintenance fees.

All documents have been reviewed and approved as to form by legal counsel.

Attachment(s)

1. Original FATPOT Professional Services Agreement (On file in the Offices of the Clerk)
2. FATPOT Renewal Price Quote
3. Sole Source Justification Form – FATPOT
4. Original Deccan Professional Services Agreement (On file in the Offices of the Clerk)
5. Proposed Amendment One to the Deccan Agreement
6. Sole Source Justification Form – Deccan
7. Deccan Renewal Price Quote

**ORANGE COUNTY FIRE AUTHORITY
PROFESSIONAL SERVICES AGREEMENT**

THIS AGREEMENT FOR PROFESSIONAL SERVICES ("Agreement") is made and entered into this 27th day of September, 2007, by and between the Orange County Fire Authority, a public agency, hereinafter referred to as "OCFA", and FATPOT Technologies, Inc., an S Corporation, hereinafter referred to as "Firm".

RECITALS

WHEREAS, OCFA requires the services of a firm for Automatic Vehicle Interoperability, hereinafter referred to as "Project"; and

WHEREAS, Firm has submitted to OCFA a proposal dated August 29, 2007, a copy of which is attached hereto as Exhibit "A" and is incorporated herein by this reference; and

WHEREAS, based on its experience and reputation, Firm is qualified to provide the necessary services for the Project and desires to provide such services; and

WHEREAS, OCFA desires to retain the services of Firm for the Project.

NOW, THEREFORE, in consideration of the promises and mutual agreements contained herein, OCFA agrees to employ and does hereby employ Firm and Firm agrees to provide professional services as follows:

AGREEMENT

1. PROFESSIONAL SERVICES

1.1 Scope of Services.

In compliance with all terms and conditions of this Agreement, Firm shall provide those services specified in the "Proposal" attached hereto as Exhibit "A." Firm warrants that all services shall be performed in a competent, professional and satisfactory manner in accordance with all standards prevalent in the industry. In the event of any inconsistency between the terms contained in Exhibit "A" and the terms set forth in the main body of this Agreement, the terms set forth in the main body of this Agreement shall govern.

1.2 Compliance with Law.

All services rendered hereunder shall be provided in accordance with all laws, ordinances, resolutions, statutes, rules, and regulations of OCFA and any federal, state or local governmental agency of competent jurisdiction.

1.3 Licenses and Permits.

Firm shall obtain at its sole cost and expense such licenses, permits and approvals as may be required by law for the performance of the services required by this Agreement.

1.4 Familiarity with Work.

By executing this Agreement, Firm warrants that Firm (a) has thoroughly investigated and considered the work to be performed, (b) has investigated the site of the work and become fully acquainted with the conditions there existing, (c) has carefully considered how the work should be performed, and (d) fully understands the facilities, difficulties and restrictions attending performance of the work under this Agreement. Should the Firm discover any latent or unknown conditions materially differing from those inherent in the work or as represented by OCFA, Firm shall immediately inform OCFA of such fact and shall not proceed with any work except at Firm's risk until written instructions are received from the Contract Officer.

1.5 Care of Work.

Firm shall adopt and follow reasonable procedures and methods during the term of the Agreement to prevent loss or damage to materials, papers or other components of the work, and shall be responsible for all such damage until acceptance of the work by OCFA, except such loss or damages as may be caused by OCFA's own negligence.

1.6 Additional Services.

Firm shall perform services in addition to those specified in the Proposal when directed to do so in writing by the Contract Officer, provided that Firm shall not be required to perform any additional services without compensation. Any additional compensation not exceeding ten percent (10%) of the original Agreement sum must be approved in writing by the Contract Officer. Any greater increase must be approved in writing by the Assistant Chief, Business Services

1.7 Modification of Services

The Project requires cooperation and participation by multiple agencies and agency vendors. In the event that an agency or agency vendor chooses to not participate or cooperate with the project, the scope of services may be modified by the Contract Officer. Modifications and adjustment to scope and cost will be negotiated and agreed to in writing by the OCFA Contract Officer and Firm.

2. TIME FOR COMPLETION

The time for completion of the services to be performed by Firm is an essential condition of this Agreement. Firm shall prosecute regularly and diligently the work of this Agreement according to the schedules set forth in Firm's proposal. Firm shall not be accountable for delays in the progress of its work caused by any condition beyond its control and without the fault or negligence of Firm. Delays shall not entitle Firm to any additional compensation regardless of the party responsible for the delay.

3. COMPENSATION OF FIRM

3.1 Compensation of Firm.

For the services rendered pursuant to this Agreement, Firm shall be compensated and reimbursed, in accordance with the terms set forth in the "cost detail form" and appendices of Firm's proposal "Exhibit A" in an amount not to exceed six hundred and one thousand, three hundred ninety two dollars (\$601,392)

3.2 Method of Payment.

Payment shall be in accordance with the payment schedule set forth in the addendum to appendix D ("Cost Detail Form").

3.3 Changes.

In the event any change or changes in the work is requested by OCFA, the parties hereto shall execute an addendum to this Agreement, setting forth with particularity all terms of such addendum, including, but not limited to, any additional fees. Addenda may be entered into:

A. To provide for revisions or modifications to documents or other work product or work when documents or other work product or work is required by the enactment or revision of law subsequent to the preparation of any documents, other work product or work;

B. To provide for additional services not included in this Agreement or not customarily furnished in accordance with generally accepted practice in Firm's profession.

3.4 Appropriations.

This Agreement is subject to and contingent upon funds being appropriated therefore by the OCFA Board of Directors for each fiscal year covered by the Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to OCFA.

4. PERFORMANCE SCHEDULE

4.1 Time of Essence.

Time is of the essence in the performance of this Agreement.

4.2 Schedule of Performance.

All services rendered pursuant to this Agreement shall be performed within the time periods prescribed in Firm's proposal, attached hereto as Exhibit "A". The extension of any time period specified in Exhibit "A" must be approved in writing by the Contract Officer.

4.3 Force Majeure.

The time for performance of services to be rendered pursuant to this Agreement may be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Firm, including, but not restricted to, acts of God or of a public enemy, acts of the government, fires, earthquakes, floods, epidemic, quarantine restrictions, riots, strikes, freight embargoes, and unusually severe weather if the Firm shall within ten (10) days of the commencement of such condition notify the Contract Officer who shall thereupon ascertain the facts and the extent of any necessary delay, and extend the time for performing the services for the period of the enforced delay when and if in the Contract Officer's judgment such delay is justified, and the Contract Officer's determination shall be final and conclusive upon the parties to this Agreement.

4.4 Term.

Unless earlier terminated in accordance with Section 8.5 of this Agreement, this Agreement shall continue in full force and effect until satisfactory completion of the services but not exceeding one year from the date hereof, unless extended by mutual written agreement of the parties.

5. COORDINATION OF WORK

5.1 Representative of Firm.

The following principal of the Firm is hereby designated as being the principal and representative of Firm authorized to act in its behalf with respect to the work specified herein and make all decisions in connection therewith: Erik B. Cooley, Chief Operating Officer.

It is expressly understood that the experience, knowledge, capability and reputation of the foregoing principal is a substantial inducement for OCFA to enter into

this Agreement. Therefore, the foregoing principal shall be responsible during the term of this Agreement for directing all activities of Firm and devoting sufficient time to personally supervise the services hereunder. The foregoing principal may not be changed by Firm without the express written approval of OCFA.

5.2 Contract Officer.

The Contract Officer shall be Kathy Ballantyne, IT Portfolio and Procurement Manager, unless otherwise designated in writing by OCFA. It shall be the Firm's responsibility to keep the Contract Officer fully informed of the progress of the performance of the services and Firm shall refer any decisions that must be made by OCFA to the Contract Officer. Unless otherwise specified herein, any approval of OCFA required hereunder shall mean the approval of the Contract Officer.

5.3 Prohibition Against Subcontracting or Assignment.

The experience, knowledge, capability and reputation of Firm, its principals and employees, were a substantial inducement for OCFA to enter into this Agreement. Therefore, Firm shall not contract with any other entity to perform in whole or in part the services required hereunder without the express written approval of OCFA, except those entities identified in Exhibit A. In addition, neither this Agreement nor any interest herein may be assigned or transferred, voluntarily or by operation of law, without the prior written approval of OCFA.

5.4 Independent Contractor.

Neither OCFA nor any of its employees shall have any control over the manner, mode or means by which Firm, its agents or employees, perform the services required herein, except as otherwise set forth herein. Firm shall perform all services required herein as an independent Firm of OCFA and shall remain at all times as to OCFA a wholly independent contractor with only such obligations as are consistent with that role. Firm shall not at any time or in any manner represent that it or any of its agents or employees are agents or employees of OCFA.

6. INSURANCE, INDEMNIFICATION AND BONDS

6.1 Insurance.

Firm shall procure and maintain, at its cost, and submit concurrently with its execution of this Agreement, public liability and property damage insurance against all claims for injuries against persons or damages to property resulting from Firm's performance under this Agreement. Firm shall also carry workers' compensation insurance in accordance with California worker's compensation laws. Such insurance shall be kept in effect during the term of this Agreement and shall not be cancelable without thirty (30) days written notice to OCFA of any proposed cancellation. OCFA's certificate evidencing the foregoing and designating OCFA as an additional named

insured shall be delivered to and approved by OCFA prior to commencement of the services hereunder. The procuring of such insurance and the delivery of policies or certificates evidencing the same shall not be construed as a limitation of Firm's obligation to indemnify OCFA, its Firms, officers and employees. The amount of insurance required hereunder shall include comprehensive general liability, personal injury and automobile liability with limits of at least one million dollars. (1,000,000) combined single limit coverage per occurrence and professional liability coverage with limits of at least one million dollars (\$1,000,000). Coverage shall be provided by admitted insurers with an A.M. Best's Key Rating of at least A-VII. If Firm provides claims made professional liability insurance, Firm shall also agree in writing either (1) to purchase tail insurance in the amount required by this Agreement to cover claims made within three years of the completion of Firm's services under this Agreement, or (2) to maintain professional liability insurance coverage with the same carrier in the amount required by this Agreement for at least three years after completion of Firm's services under this Agreement. The Firm shall also be required to provide evidence to OCFA of the purchase of the required tail insurance or continuation of the professional liability policy.

6.2 Faithful Performance Bond

Firm shall provide a faithful performance bond covering the full contract amount.

6.3 Indemnification.

The Firm shall defend, indemnify and hold harmless OCFA, its officers and employees, from and against any and all actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and attorneys' fees, for injury to or death of person or persons, for damage to property, including property owned by OCFA, and for errors and omissions committed by Firm, its officers, employees and agents, arising out of or related to Firm's performance under this Agreement, except for such loss as may be caused by OCFA's own negligence or that of its officers or employees.

7. RECORDS AND REPORTS

7.1 Reports.

Firm shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the services required by this Agreement as the Contract Officer shall require.

7.2 Records.

Firm shall keep such books and records as shall be necessary to properly perform the services required by this Agreement and enable the Contract Officer to evaluate the performance of such services. The Contract Officer shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit and make records and transcripts from such records.

7.3 Ownership of Documents.

All drawings, specifications, reports, records, documents and other materials prepared by Firm in the performance of this Agreement, excluding source code, source code documentation, or other FATPOT materials which constitute FATPOT trade secrets or FATPOT proprietary information, shall be the property of OCFA and shall be delivered to OCFA upon request of the Contract Officer or upon the termination of this Agreement, and Firm shall have no claim for further employment or additional compensation as a result of the exercise by OCFA of its full rights or ownership of the documents and materials hereunder. Firm may retain copies of such documents for its own use. Firm shall have an unrestricted right to use the concepts embodied therein.

7.4 Release of Documents.

All drawings, specifications, reports, records, documents and other materials prepared by Firm in the performance of services under this Agreement shall not be released publicly without the prior written approval of the Contract Officer.

8. ENFORCEMENT OF AGREEMENT

8.1 California Law.

This Agreement shall be construed and interpreted both as to validity and to performance of the parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such county, and Firm covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Waiver.

No delay or omission in the exercise of any right or remedy of a non-defaulting party on any default shall impair such right or remedy or be construed as a waiver. No consent or approval of OCFA shall be deemed to waiver or render unnecessary OCFA's consent to or approval of any subsequent act of Firm. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

8.3 Rights and Remedies are Cumulative.

Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the parties are cumulative and the exercise by either party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other party.

8.4 Legal Action.

In addition to any other rights or remedies, either party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain injunctive relief, a declaratory judgment, or any other remedy consistent with the purposes of this Agreement.

8.5 Termination Prior to Expiration of Term.

OCFA reserves the right to terminate this Agreement at any time, with or without cause, upon thirty (30) days written notice to Firm, except that where termination is due to the fault of the Firm and constitutes an immediate danger to health, safety and general welfare, the period of notice shall be such shorter time as may be appropriate. Upon receipt of the notice of termination, Firm shall immediately cease all services hereunder except such as may be specifically approved by the Contract Officer. Firm shall be entitled to compensation for all services rendered prior to receipt of the notice of termination and for any services authorized by the Contract Officer thereafter.

Firm may terminate this Agreement, with or without cause, upon thirty (30) days written notice to OCFA.

8.6 Termination for Default of Firm.

If termination is due to the failure of the Firm to fulfill its obligations under this Agreement, OCFA may take over the work and prosecute the same to completion by contract or otherwise, and the Firm shall be liable to the extent that the total cost for completion of the services required hereunder exceeds the compensation herein stipulated, provided that OCFA shall use reasonable efforts to mitigate damages, and OCFA may withhold any payments to the Firm for the purpose of set-off or partial payment of the amounts owed to OCFA.

8.7 Attorneys' Fees.

If either party commences an action against the other party arising out of or in connection with this Agreement or its subject matter, the prevailing party shall be entitled to recover reasonable attorneys' fees and costs of suit from the losing party.

9. OCFA OFFICERS AND EMPLOYEES; NON-DISCRIMINATION

9.1 Non-Liability of OCFA Officers and Employees.

No officer or employee of OCFA shall be personally liable to the Firm, or any successor-in-interest, in the event of any default or breach by OCFA or for any amount which may become due to the Firm or its successor, or for breach of any obligation of the terms of this Agreement.

9.2 Covenant Against Discrimination.

Firm covenants that, by and for itself, its heirs, executors, assigns, and all persons claiming under or through them, that there shall be no discrimination or segregation in the performance of or in connection with this Agreement regarding any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry. Firm shall take affirmative action to insure that applicants and employees are treated without regard to their race, color, creed, religion, sex, marital status, national origin, or ancestry.

10. MISCELLANEOUS PROVISIONS

10.1 Confidentiality.

Information obtained by Firm in the performance of this Agreement shall be treated as strictly confidential and shall not be used by Firm for any purpose other than the performance of this Agreement without the written consent of OCFA.

10.2 Notice.

Any notice, demand, request, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by pre-paid, first-class mail to the address set forth below. Either party may change its address by notifying the other party of the change of address in writing. Notice shall be deemed communicated forty-eight (48) hours from the time of mailing if mailed as provided in this Section.

To OCFA:

Orange County Fire Authority
Attention: Kathy Ballantyne
Information Technology Section
1 Fire Authority Road
Irvine, CA 92602

To Firm:

FATPOT
Attention: Erik Cooley
655 East Medical Drive, Suite 100
Bountiful, Utah 84010

10.2 Integrated Agreement.

This Agreement contains all of the agreements of the parties and cannot be amended or modified except by written agreement.

10.3 Amendment.

This Agreement may be amended at any time by the mutual consent of the parties by an instrument in writing.

10.4 Severability.

In the event that any one or more of the phrases, sentences, clauses, paragraphs, or sections contained in this Agreement shall be declared invalid or unenforceable by valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining phrases, sentences, clauses, paragraphs, or sections of this Agreement, which shall be interpreted to carry out the intent of the parties hereunder.

10.5 Corporate Authority.

The persons executing this Agreement on behalf of the parties hereto warrant that they are duly authorized to execute this Agreement on behalf of said parties and that by so executing this Agreement the parties hereto are formally bound to the provisions of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the dates stated below.

"OCFA"

ORANGE COUNTY FIRE AUTHORITY


Date: 9/27/07

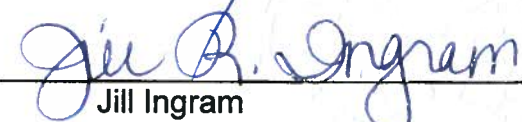
By: 

Chairman, Board of Director

APPROVED AS TO FORM.

ATTEST:

By: 
TERRY C. ANDRUS
GENERAL COUNSEL


Jill Ingram
Clerk of the Board

Date: 9-26-07

"FIRM"

FATPOT Technologies

Date: 9-19-2007

By: 
Erik B. Cooley
Chief Operating Officer

Exhibit A

**FATPOT Technologies, Inc.
Proposal Dated August 29, 2007**

Addendum to Appendix D – Cost Detail Form

Cost

Pricing will be as proposed by FATPOT in the Cost Detail Form, Appendix D to the proposal, including "Additional Required Services", but excluding options:

OCFA reserves the right to exercise options in the proposal through March 31, 2008, including the right to option out itemized components of the proposal should they become unnecessary or require a substitution of product or service.

Payment Schedule

65% upon approval of hardware & Software - Upon approval, an invoice will be issued and will be due and payable.

20% upon completion of all integration

15% upon web interface and project completion

Bond release upon final system acceptance

FATPOT SOFTWARE LICENSE AGREEMENT

OCFA will enter into a Software License Agreement substantially similar to the one included in the Appendices to the FATPOT Proposal prior to installation of Software.

OCFA

FATPOT

by: Kathy Ballantyne
Kathy Ballantyne
IT Portfolio & Procurement Manager

by: Erik B. Cooley
Erik B. Cooley
Chief Operating Officer

655 MEDICAL DRIVE, SUITE 100
 BOUNTIFUL, UT 84010
 PHONE: (801) 397-3973



VENDOR ID #
 00004723

QUOTE	
Page	1/1
Date	06/01/2018
Date Due	07/01/2018
Invoice Number	2018-20RENEWAL

Bill To:	ORANGE COUNTY FIRE AUTHORITY ATTN: ACCOUNTS PAYABLE PO BOX 53008 IRVINE CA 92619-3008
----------	--

Ship To:	Orange County Fire Authority ATTN: Joel Brodowski Service Center 1 Fire Authority Road Irvine, California 92602-0125
----------	--

Agreement #	Agreement Title	Status	Commenced	Expiry	Review	Licenses
FPAGR040	SOFTWARE LICENSE AND SERVICES AGREEMENT BETWEEN FATPOT TECHNOLOGIES AND ORANGE COUNTY FIRE AUTHORITY	Active	Nov-2017	05/31/19	04/26/19	

Bill to Number	Document Number	Site Number	Purchase Order #	Reference
ORA170	FPMNT1800026	ORA170MAIN		2018-20 FATPOT Software Annual License Renewal and Technical Services

Line No.	Description	QTY	U/M	Amount Per Unit	Tax Per Unit	Extended Total
	Licensing and Technical Support (Maintenance) (June 1, 2018 – May 31, 2019)					
	FATPOT Automatic Vehicle Location (AVL) Interoperability	1.00	Each	72,270.00		72,270.00
	FATPOT CADfusion Server License <i>NOTE: Maintenance totals \$16,000.00 split between four agencies.</i>	0.25	Each	16,000.00		4,000.00
	CADtoCAD Interfaces					
	OC-Meds – Read-Only Interface	1.00	Each	1,250.00		1,250.00
	TriTech CAD Bi-directional Interface	1.00	Each	2,500.00		2,500.00
	Ambulance Interfaces	4.00	Each	2,500.00		10,000.00
	Ambulance Interface Customizations	1.00	Each	12,800.00		12,800.00
	SUBTOTAL 2018-19 RENEWAL FEES:					102,820.00
	Licensing and Technical Support (Maintenance) (June 1, 2019 – May 31, 2020)					
	FATPOT Automatic Vehicle Location (AVL) Interoperability	1.00	Each	72,270.00		72,270.00
	FATPOT CADfusion Server License <i>NOTE: Maintenance totals \$16,000.00 split between four agencies.</i>	0.25	Each	16,000.00		4,000.00
	CADtoCAD Interfaces					
	OC-Meds – Read-Only Interface	1.00	Each	1,250.00		1,250.00
	TriTech CAD Bi-directional Interface	1.00	Each	2,500.00		2,500.00
	Ambulance Interfaces	4.00	Each	2,500.00		10,000.00
	Ambulance Interface Customizations	1.00	Each	12,800.00		12,800.00
	SUBTOTAL 2019-20 RENEWAL FEES:					102,820.00

		Tax Summary	EXEMPT	Services	205,640.00
Remit To:				Items	
FATPOT TECHNOLOGIES LLC		FEIN: 26-0224200		Subtotal	205,640.00
655 Medical Dr Ste 100		Phone Number: (801) 397-3973		Less Discount	
Bountiful UT 84010-5170		AR Email: ecourage@fatpot.com		Plus Tax	-
CREDIT CARD PAYMENTS ACCEPTED		ALL FUNDS MUST BE ISSUED IN USD		Less Payment	
DATE DUE 07/01/2018		Terms		Total Due (USD)	\$ 205,640.00
		NET 30			

OCFA Sole Source Request Form

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: Support Services/Information Technology	Requested By: Todd Muilenburg	Date: 03/29/2018
Recommended Vendor: FATPOT TECHNOLOGIES, LLC	Vendor Contact: Emily Courage	Vendor's E-mail Address: ecourage@fatpot.com
Vendor Address: 655 Medical Drive Suite 100, Bountiful, UT 84010		Vendor's Telephone #: 801-397-3973
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): 06/01/2018 - 05/31/2020	Contract Amount: \$102,820
<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 checked="" 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.*

This request is for the software license and maintenance contract for the FATPOT CAD2CAD (C2C) and AVL system.

The C2C system works as an interface between the four Regional Dispatch Agencies' CAD systems including OCFA, Laguna Beach, Costa Mesa, and Metronet to share mutual aid requests, apparatus GPS locations, unit status.

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.*

FATPOT is the OEM and only authorized entity to program, license, or provide professional services to maintain, modify or otherwise enhance the Regional CAD2CAD system. FATPOT was selected after a competitive RFP process in 2007, and again approved in Nov. 2017 to develop the Next Generation CAD2CAD replacement of the current CAD2CAD system.

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.

As the systems is proprietary, there are no competitive products available. The contract is subject to annual increases of 3%.


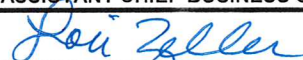
4. Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)? (If yes, please explain how and what the future costs will be.)

Yes. It is necessary to maintain an annual maintenance and support contract as long as OCFA continues to use the LiveMUM system.

Sole Source Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
Todd Muilenburg		30-Mar-2018
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Joel Brodowski		30-Mar-2018
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Dave Anderson		30-Mar-2018

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	4/9/18
ASSISTANT CHIEF BUSINESS SERVICES CONCURRENCE	DATE
	4/9/18

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

Executive Committee Approved: ☐ Yes ☐ No Date approved _____

**ORANGE COUNTY FIRE AUTHORITY
PROFESSIONAL SERVICES AGREEMENT**

THIS AGREEMENT FOR PROFESSIONAL SERVICES ("Agreement") is made and entered into this 23rd day of April, 2009, by and between the Orange County Fire Authority, a public agency, hereinafter referred to as "OCFA", and Deccan International, hereinafter referred to as "Firm".

RECITALS

WHEREAS, OCFA requires the services of Deccan International for the LiveMum Move Up and Cover implementation, hereinafter referred to as "Project"; and

WHEREAS, Firm has submitted to OCFA a proposal dated August 2008, a copy of which is attached hereto as Exhibit "A" and is incorporated herein by this reference; and

WHEREAS, based on its experience and reputation, Firm is qualified to provide the necessary services for the Project and desires to provide such services; and

WHEREAS, OCFA desires to retain the services of Firm for the Project.

NOW, THEREFORE, in consideration of the promises and mutual agreements contained herein, OCFA agrees to employ and does hereby employ Firm and Firm agrees to provide professional services as follows:

AGREEMENT

1. PROFESSIONAL SERVICES

1.1 Scope of Services.

In compliance with all terms and conditions of this Agreement, Firm shall provide those services specified in the "Proposal" attached hereto as Exhibit "A." Firm warrants that all services shall be performed in a competent, professional and satisfactory manner in accordance with all standards prevalent in the industry. In the event of any inconsistency between the terms contained in Exhibit "A" and the terms set forth in the main body of this Agreement, the terms set forth in the main body of this Agreement shall govern.

1.2 Compliance with Law.

All services rendered hereunder shall be provided in accordance with all laws, ordinances, resolutions, statutes, rules, and regulations of OCFA and any federal, state or local governmental agency of competent jurisdiction.

1.3 Licenses and Permits.

Firm shall obtain at its sole cost and expense such licenses, permits and approvals as may be required by law for the performance of the services required by this Agreement.

1.4 Familiarity with Work.

By executing this Agreement, Firm warrants that Firm (a) has thoroughly investigated and considered the work to be performed, (b) has investigated the site of the work and become fully acquainted with the conditions there existing, (c) has carefully considered how the work should be performed, and (d) fully understands the facilities, difficulties and restrictions attending performance of the work under this Agreement. Should the Firm discover any latent or unknown conditions materially differing from those inherent in the work or as represented by OCFA, Firm shall immediately inform OCFA of such fact and shall not proceed with any work except at Firm's risk until written instructions are received from the Contract Officer.

1.5 Care of Work.

Firm shall adopt and follow reasonable procedures and methods during the term of the Agreement to prevent loss or damage to materials, papers or other components of the work, and shall be responsible for all such damage until acceptance of the work by OCFA, except such loss or damages as may be caused by OCFA's own negligence.

1.6 Additional Services.

Subject to Section 3.3 below, Firm shall perform services in addition to those specified in the Proposal when directed to do so in writing by the Contract Officer, provided that Firm shall not be required to perform any additional services without compensation. Any additional compensation not exceeding ten percent (10%) of the original Agreement sum must be approved in writing by the Contract Officer. Any greater increase must be approved in writing by the Orange County Fire Authority Executive Committee or Board of Directors.

2. TIME FOR COMPLETION

The time for completion of the services to be performed by Firm is an essential condition of this Agreement. Firm shall prosecute regularly and diligently the work of this Agreement according to the schedules set forth in Firm's proposal. Firm shall not be accountable for delays in the progress of its work caused by any condition beyond its control and without the fault or negligence of Firm. Delays shall not entitle Firm to any additional compensation regardless of the party responsible for the delay.

3. COMPENSATION OF FIRM

3.1 Compensation of Firm.

For the services rendered pursuant to this Agreement, Firm shall be compensated and reimbursed in an amount not to exceed \$172,895.00.

3.2 Method of Payment.

In any month in which Firm wishes to receive payment, Firm shall no later than the first working day of such month, submit to OCFA in the form approved by OCFA's Director of Finance, an invoice for services rendered prior to the date of the invoice. OCFA shall pay Firm for all expenses stated thereon which are approved by OCFA consistent with this Agreement, within ten (10) days of receipt of Firm's invoice.

3.3 Changes.

In the event any change or changes in the work is requested by OCFA, the parties hereto shall execute an addendum to this Agreement, setting forth with particularity all terms of such addendum, including, but not limited to, any additional fees. Addenda may be entered into:

A. To provide for revisions or modifications to documents or other work product or work when documents or other work product or work is required by the enactment or revision of law subsequent to the preparation of any documents, other work product or work;

B. To provide for additional services not included in this Agreement or not customarily furnished in accordance with generally accepted practice in Firm's profession.

3.4 Appropriations.

This Agreement is subject to and contingent upon funds being appropriated therefore by the OCFA Board of Directors for each fiscal year covered by the Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to OCFA.

3.5 Payment Schedule

This project payment schedule will be phased into three distinct milestones. Each milestone will be billable and payable on the completion of each task. The milestone tasks are broken into the following segments:

A. Milestone #1: Issuance of Purchase Order or Project Work Begins:
Value: \$57,631.50

B. Milestone #2: Delivery and installation of "Static" or "Offline" mode of LiveMUM application. This "Static" version will incorporate OCFA's Map and CAD data. This milestone is not required to successfully synchronize and communicate with the CAD system or require Agency's business rules to be fully implemented.

Value: \$57,631.50

C. Milestone #3: Successful testing and acceptance of LiveMUM application with OCFA's CAD system. LiveMUM software will incorporate OCFA's Map and CAD data and be able to successfully communicate with CAD system.

Value: \$57,632.00

4. PERFORMANCE SCHEDULE

4.1 Time of Essence.

Time is of the essence in the performance of this Agreement.

4.2 Schedule of Performance.

All services rendered pursuant to this Agreement shall be performed within the time periods prescribed in Firm's proposal, attached hereto as Exhibit "A". The extension of any time period specified in Exhibit "A" must be approved in writing by the Contract Officer.

4.3 Force Majeure.

The time for performance of services to be rendered pursuant to this Agreement may be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Firm, including, but not restricted to, acts of God or of a public enemy, acts of the government, fires, earthquakes, floods, epidemic, quarantine restrictions, riots, strikes, freight embargoes, and unusually severe weather if the Firm shall within ten (10) days of the commencement of such condition notify the Contract Officer who shall thereupon ascertain the facts and the extent of any necessary delay, and extend the time for performing the services for the period of the enforced delay when and if in the Contract Officer's judgment such delay is justified, and the Contract Officer's determination shall be final and conclusive upon the parties to this Agreement.

4.4 Term.

Unless earlier terminated in accordance with Section 8.5 of this Agreement, this Agreement shall continue in full force and effect until satisfactory completion of the services but not exceeding 180 days from the date hereof, unless extended by mutual written agreement of the parties.

5. COORDINATION OF WORK

5.1 Representative of Firm.

The following principal of the Firm is hereby designated as being the principal and representative of Firm authorized to act in its behalf with respect to the work specified herein and make all decisions in connection therewith: Project Manager: Matt Stromberg (858)764-8327. Contract: Latha Nagaraj (858)764-8327

It is expressly understood that the experience, knowledge, capability and reputation of the foregoing principal is a substantial inducement for OCFA to enter into this Agreement. Therefore, the foregoing principal shall be responsible during the term of this Agreement for directing all activities of Firm and devoting sufficient time to personally supervise the services hereunder. The foregoing principal may not be changed by Firm without the express written approval of OCFA.

5.2 Contract Officer.

The Contract Officer shall be John P. Coggins, Purchasing & Materials Manager, unless otherwise designated in writing by OCFA. It shall be the Firm's responsibility to keep the Contract Officer fully informed of the progress of the performance of the services and Firm shall refer any decisions that must be made by OCFA to the Contract Officer. Unless otherwise specified herein, any approval of OCFA required hereunder shall mean the approval of the Contract Officer.

5.3 Prohibition Against Subcontracting or Assignment.

The experience, knowledge, capability and reputation of Firm, its principals and employees, were a substantial inducement for OCFA to enter into this Agreement. Therefore, Firm shall not contract with any other entity to perform in whole or in part the services required hereunder without the express written approval of OCFA. In addition, neither this Agreement nor any interest herein may be assigned or transferred, voluntarily or by operation of law, without the prior written approval of OCFA.

5.4 Independent Contractor.

Neither OCFA nor any of its employees shall have any control over the manner, mode or means by which Firm, its agents or employees, perform the services required herein, except as otherwise set forth herein. Firm shall perform all services required herein as an independent Firm of OCFA and shall remain at all times as to OCFA a wholly independent contractor with only such obligations as are consistent with that role. Firm shall not at any time or in any manner represent that it or any of its agents or employees are agents or employees of OCFA.

6. INSURANCE, INDEMNIFICATION AND BONDS

6.1 Insurance.

Firm shall procure and maintain, at its cost, and submit concurrently with its execution of this Agreement, public liability and property damage insurance against all claims for injuries against persons or damages to property resulting from Firm's performance under this Agreement. Firm shall also carry workers' compensation insurance in accordance with California worker's compensation laws. Such insurance shall be kept in effect during the term of this Agreement and shall not be cancelable without thirty (30) days written notice to OCFA of any proposed cancellation. OCFA's certificate evidencing the foregoing and designating OCFA as an additional named insured shall be delivered to and approved by OCFA prior to commencement of the services hereunder. The procuring of such insurance and the delivery of policies or certificates evidencing the same shall not be construed as a limitation of Firm's obligation to indemnify OCFA, its Firms, officers and employees. The amount of insurance required hereunder shall include comprehensive general liability, personal injury and automobile liability with limits of at least One Million Dollars (\$1,000,000.00) combined single limit coverage per occurrence and professional liability coverage with limits of at least One Million Dollars (\$1,000,000). Coverage shall be provided by admitted insurers with an A.M. Best's Key Rating of at least A-VII. If Firm provides claims made professional liability insurance, Firm shall also agree in writing either (1) to purchase tail insurance in the amount required by this Agreement to cover claims made within three years of the completion of Firm's services under this Agreement, or (2) to maintain professional liability insurance coverage with the same carrier in the amount required by this Agreement for at least three years after completion of Firm's services under this Agreement. The Firm shall also be required to provide evidence to OCFA of the purchase of the required tail insurance or continuation of the professional liability policy.

6.2 Indemnification.

The Firm shall defend, indemnify and hold harmless OCFA, its officers and employees, from and against any and all actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and attorneys' fees, for injury to or death of person or persons, for damage to property, including property owned by OCFA, and for errors and omissions committed by Firm, its officers, employees and agents, arising out of or related to Firm's performance under this Agreement, except for such loss as may be caused by OCFA's own negligence or that of its officers or employees.

7. RECORDS AND REPORTS

7.1 Reports.

Firm shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the services required by this Agreement as the Contract Officer shall require.

7.2 Records.

Firm shall keep such books and records as shall be necessary to properly perform the services required by this Agreement and enable the Contract Officer to evaluate the performance of such services. The Contract Officer shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit and make records and transcripts from such records.

7.3 Ownership of Documents.

All drawings, specifications, reports, records, documents and other materials prepared by Firm in the performance of this Agreement shall be the property of OCFA and shall be delivered to OCFA upon request of the Contract Officer or upon the termination of this Agreement, and Firm shall have no claim for further employment or additional compensation as a result of the exercise by OCFA of its full rights or ownership of the documents and materials hereunder. Firm may retain copies of such documents for its own use. Firm shall have an unrestricted right to use the concepts embodied therein.

7.4 Release of Documents.

All drawings, specifications, reports, records, documents and other materials prepared by Firm in the performance of services under this Agreement shall not be released publicly without the prior written approval of the Contract Officer.

8. ENFORCEMENT OF AGREEMENT

8.1 California Law.

This Agreement shall be construed and interpreted both as to validity and to performance of the parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such county, and Firm covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Waiver.

No delay or omission in the exercise of any right or remedy of a non-defaulting party on any default shall impair such right or remedy or be construed as a waiver. No consent or approval of OCFA shall be deemed to waive or render unnecessary OCFA's consent to or approval of any subsequent act of Firm. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

8.3 Rights and Remedies are Cumulative.

Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the parties are cumulative and the exercise by either party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other party.

8.4 Legal Action.

In addition to any other rights or remedies, either party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain injunctive relief, a declaratory judgment, or any other remedy consistent with the purposes of this Agreement.

8.5 Termination Prior to Expiration of Term.

OCFA reserves the right to terminate this Agreement at any time, with or without cause, upon thirty (30) days written notice to Firm, except that where termination is due to the fault of the Firm and constitutes an immediate danger to health, safety and general welfare, the period of notice shall be such shorter time as may be appropriate. Upon receipt of the notice of termination, Firm shall immediately cease all services hereunder except such as may be specifically approved by the Contract Officer. Firm shall be entitled to compensation for all services rendered prior to receipt of the notice of termination and for any services authorized by the Contract Officer thereafter.

Firm may terminate this Agreement, with or without cause, upon thirty (30) days written notice to OCFA.

8.6 Termination for Default of Firm.

If termination is due to the failure of the Firm to fulfill its obligations under this Agreement, OCFA may take over the work and prosecute the same to completion by contract or otherwise, and the Firm shall be liable to the extent that the total cost for completion of the services required hereunder exceeds the compensation herein

stipulated, provided that OCFA shall use reasonable efforts to mitigate damages, and OCFA may withhold any payments to the Firm for the purpose of set-off or partial payment of the amounts owed to OCFA.

8.7 Attorneys' Fees.

If either party commences an action against the other party arising out of or in connection with this Agreement or its subject matter, the prevailing party shall be entitled to recover reasonable attorneys' fees and costs of suit from the losing party.

9. OCFA OFFICERS AND EMPLOYEES; NON-DISCRIMINATION

9.1 Non-Liability of OCFA Officers and Employees.

No officer or employee of OCFA shall be personally liable to the Firm, or any successor-in-interest, in the event of any default or breach by OCFA or for any amount which may become due to the Firm or its successor, or for breach of any obligation of the terms of this Agreement.

9.2 Covenant Against Discrimination.

Firm covenants that, by and for itself, its heirs, executors, assigns, and all persons claiming under or through them, that there shall be no discrimination or segregation in the performance of or in connection with this Agreement regarding any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry. Firm shall take affirmative action to insure that applicants and employees are treated without regard to their race, color, creed, religion, sex, marital status, national origin, or ancestry.

10. MISCELLANEOUS PROVISIONS

10.1 Confidentiality.

Information obtained by Firm in the performance of this Agreement shall be treated as strictly confidential and shall not be used by Firm for any purpose other than the performance of this Agreement without the written consent of OCFA.

10.2 Notice.

Any notice, demand, request, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by pre-paid, first-class mail to the address set forth below. Either party may change its address by notifying the other party of the change of address in writing. Notice shall be deemed communicated forty-eight (48) hours from the time of mailing if mailed as provided in this Section.

To OCFA:
Joe Mangiameli (714)573-6447
Ron Roberts (714)573-6551

Orange County Fire Authority
Attn: Joe Mangiameli and Ron Roberts
1 Fire Authority Road
Irvine, CA 92602

To Firm:
Matt Stromberg (858) 764-8327
Latha Nagaraj (858) 764-8327

Deccan International
Attention: Matt Stromberg or Latha
Nagaraj
5935 Cornerstone Court West, Suite 230
San Diego, California 92121

10.2 Integrated Agreement.

This Agreement contains all of the agreements of the parties and cannot be amended or modified except by written agreement.

10.3 Amendment.

This Agreement may be amended at any time by the mutual consent of the parties by an instrument in writing.

10.4 Severability.

In the event that any one or more of the phrases, sentences, clauses, paragraphs, or sections contained in this Agreement shall be declared invalid or unenforceable by valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining phrases, sentences, clauses, paragraphs, or sections of this Agreement, which shall be interpreted to carry out the intent of the parties hereunder.

[CONTINUED ON NEXT PAGE]

10.5 Corporate Authority.

The persons executing this Agreement on behalf of the parties hereto warrant that they are duly authorized to execute this Agreement on behalf of said parties and that by so executing this Agreement the parties hereto are formally bound to the provisions of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the dates stated below.

"OCFA"

ORANGE COUNTY FIRE AUTHORITY

Date: 04/23/09

By: Donald M. Long
Chairman, Board of Directors

APPROVED AS TO FORM.

By: Terry C. Andrus
TERRY C. ANDRUS
GENERAL COUNSEL

Date: April 23, 2009

ATTEST:

Sherry A.F. Wentz
Sherry A.F. Wentz
Clerk of the Board

"FIRM"

DECCAN INTERNATIONAL

Latha Nagaraj, Owner

Date: 4/28/09

By: Latha Nagaraj

**Fifth Amendment to
Professional Services Agreement
Between
Orange County Fire Authority and Deccan, Inc.**

This Fifth Amendment to Professional Services Agreement ("Fifth Amendment") is made and entered into this ____ day of April 2018, by and between the Orange County Fire Authority ("OCFA") and Deccan International, a corporation, herein referred to as "Firm".

Recitals

WHEREAS, OCFA and Firm entered into that certain Professional Services Agreement dated March 11, 2013 ("Original Agreement"), for Live Move up Module Interface with the OCFA CAD System;

WHEREAS, the Original Agreement specifies that the renewal pricing amount for contract year 5/1/2017 – 4/30/2018 shall not exceed \$32,017;

WHEREAS Firm has submitted to OCFA a quote dated April 9, 2018, a copy of which is attached hereto as Attachment "1" providing maintenance renewal pricing through April 30, 2021 and is incorporated herein by this reference;

WHEREAS, OCFA requests a contract term extension for new term of May 1, 2018 thru April 30, 2021;and

WHEREAS, OCFA and Firm wish to amend the Original Agreement to incorporate the changes to the maintenance renewal pricing and extend the contract term.

Agreement

NOW THEREFORE, OCFA and Firm agree to amend the Original Agreement as follows:

1. **Section 4.4 – Term:** Section 4.4 is hereby amended to reflect a new contract term of May 1, 2018 to April 30, 2021.
2. For the contract term of May 1, 2018 to April 30, 2021 Firm shall be compensated in a total amount not to exceed \$37,752 annually.

The individuals signing below for their respective organizations have been authorized by those organizations to enter into and be bound by this Fifth Amendment on behalf of the organization.

Except as modified above, all terms and conditions of the Original Agreement, as altered by any prior amendments, shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Fifth Amendment to be executed on the date(s) indicated below.

"OCFA"

ORANGE COUNTY FIRE AUTHORITY

Date: _____

By: _____

Debbie Casper, C.P.M., CPPB
Purchasing & Materials Manager

APPROVED AS TO FORM.

By:  _____

DAVID E. KENDIG
GENERAL COUNSEL

ATTEST:


Sherry A.F. Wentz
Clerk of the Authority

Date: April 12, 2018

"FIRM"

DECCAN INTERNATIONAL

Date: 04/11/2018

By:  _____

Monica Peeters
Director of Operations

Date: 04/11/2018

By:  _____

Jonathan Elson
VP of Operations

ATTACHMENT "1"



DECCAN INTERNATIONAL
Decision-support software solutions for Fire and EMS

5935 Cornerstone Court West, Suite 230
San Diego, CA 92121
888.deccan.9
www.deccanintl.com

April 9, 2018

Orange County Fire Authority
1 Fire Authority Rd.
Irvine, CA. 92602
Attn: Todd Muilenburg

RE: Maintenance Renewal Notification

Dear Todd,

To assist your department in planning for maintenance renewal, please accept this letter as a notification of the Maintenance Fees for the next three years:

Maintenance Year	LiveMUM	LiveMUM Server	Amount
5/1/2018 – 4/30/2019	\$32,978	\$2,597	\$35,575
5/1/2019 – 4/30/2020	\$33,967	\$2,675	\$36,642
5/1/2020 – 4/30/2021	\$34,986	\$2,766	\$37,752
TOTAL			\$109,969

If you have any questions, please contact me by phone at 858-764-8374 or by e-mail at pangm@deccanintl.com or accounting@deccanintl.com. We greatly value our relationship with Orange County Fire Authority and look forward to many more years of serving all of your support and maintenance needs. Thank you for giving us the opportunity to continue to support your department!

Best Regards,

Pang Moua

OCFA Sole Source Request Form

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: Support Services/Information Technology	Requested By: Todd Muilenburg	Date: 03/30/2018
Recommended Vendor: DECCAN INTERNATIONAL	Vendor Contact: Pang Moua	Vendor's E-mail Address: pangm@deccanintl.com
Vendor Address: 5935 Cornerstone Court West, Suite 230, San Diego, CA 92121		Vendor's Telephone #: 858-397-3973
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): 05/01/2018 - 04/30/2021	Contract Amount: \$109,969
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).		Attachments: <input checked="" 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.*

This request is for the software license and maintenance contract for the DECCAN International LiveMUM system.

The LiveMUM system analyzes CAD incidents and historical move-ups of emergency apparatus and based on that, provides move-up recommendations to emergency Dispatchers for current, live incidents.

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.*

DECCAN is the OEM and only authorized entity to program, license, or provide professional services to maintain, modify or otherwise enhance the LiveMUM system. LiveMUM was approved and installed as a grant-funded contract in April 2009.

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.

FATPOT has not increased the price of the software license and support agreement since 2015 and has agreed to maintain the price thru the end of this support agreement (2 - years).

in 12-18 months, the new maint contract will replace this contract at a \$35,000 annual savings.


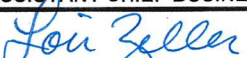
4. Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)?
(If yes, please explain how and what the future costs will be.)

Yes. When the Next Generation CAD2CAD goes live in 12 - 18 months, this contract will be replaced by the new maint. contract which is approximately \$35,000 less than the current agreement.

Sole Source Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
Todd Muilenburg		29-Mar-2018
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Joel Brodowski		29-Mar-2018
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Dave Anderson		29-Mar-2018

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	4/9/18
ASSISTANT CHIEF BUSINESS SERVICES CONCURRENCE	DATE
	4/9/18

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

Executive Committee Approved: ☐ Yes ☐ No Date approved _____



DECCAN INTERNATIONAL
Decision-support software solutions for Fire and EMS

5935 Cornerstone Court West, Suite 230
 San Diego, CA 92121
 888.deccan.9
www.deccanintl.com

April 9, 2018

Orange County Fire Authority
 1 Fire Authority Rd.
 Irvine, CA. 92602
 Attn: Todd Muilenburg

RE: Maintenance Renewal Notification

Dear Todd,

To assist your department in planning for maintenance renewal, please accept this letter as a notification of the Maintenance Fees for the next three years:

Maintenance Year	LiveMUM	LiveMUM Server	Amount
5/1/2018 – 4/30/2019	\$32,978	\$2,597	\$35,575
5/1/2019 – 4/30/2020	\$33,967	\$2,675	\$36,642
5/1/2020 – 4/30/2021	\$34,986	\$2,766	\$37,752
TOTAL			\$109,969

If you have any questions, please contact me by phone at 858-764-8374 or by e-mail at pangm@deccanintl.com or accounting@deccanintl.com. We greatly value our relationship with Orange County Fire Authority and look forward to many more years of serving all of your support and maintenance needs. Thank you for giving us the opportunity to continue to support your department!

Best Regards,

Pang Moua



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

Agenda Item No. 3E
Consent Calendar

Award of RFP #JA2267 Purchase of Two Dozer Transport Tractors

Contact(s) for Further Information

Dave Anderson, Assistant Chief Support Services Department	daveanderson@ocfa.org	714.573.6006
Rick Oborny, Fleet Services Manager	rickoborny@ocfa.org	714.573.6651
Debbie Casper, Purchasing Manager	debbiecasper@ocfa.org	714.573.6641

Summary

This agenda item is submitted for the approval to purchase two dozer transport tractors from Los Angeles Truck Centers, 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 Los Angeles Truck Centers for the purchase of two dozer transport tractors in an amount of \$344,619.50 (Cost per unit \$172,309.75 without optional five-year extended warranty).

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for the purchase of two dozer transport tractors is included in the adjusted FY 2017/18 budget. OCFA has received funding from the CAL FIRE State Augmentation Fund and these funds will be used in this purchase.

Background

Each year the Fleet Services Manager reviews the vehicles identified for replacement in the Fire Authority's vehicle replacement plan. This evaluation considers the vehicle's mileage, current age and actual years of operation compared to expected years, mechanical condition, and repair history. Based on the review, two dozer transport tractors were approved for replacement.

Dozer transport tractors are utilized for hauling heavy equipment, specifically bull dozers and graders for wildland fire extinguishment and road modifications. The two dozer transport tractors scheduled for replacement are:

Unit #	Year/Make	Mileage
5063	1989 Western Star	74,146
5064	1989 Western Star	89,822

Once the two dozer transport tractors listed above are replaced with new vehicles, one unit will be removed from the fleet and sold, and the other unit will be assigned to the Urban Search and Rescue team to replace unit #FTR3 a 1981 White GMC Road Boss with 132,000 miles. This rotation will allow Fleet Services to return unit #FTR3 to the Federal Excess Property Program.

Request for Proposal (RFP) Process

On February 7, 2018, RFP JA2267 was issued requesting proposals for the purchase of two dozer transport tractors. A non-mandatory pre-proposal meeting was held on February 21, 2018, and representatives from two companies attended. Final proposals were due on March 14, 2018, and two proposals were received. The proposal received from Inland Kenworth was submitted incomplete and deemed non-responsive. The proposal received from Los Angeles Truck Centers was 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 evaluation, the evaluation committee conducted an in-person interview with the representatives from Los Angeles Truck Centers. Upon completion of the proposal evaluation and interview, it was determined that the proposal from Los Angeles Truck Centers met all the minimum mandatory requirements, and was scored highly by the evaluation committee. Pursuant to the terms of the RFP, staff requested a Best and Final Offer (BAFO) from Los Angeles Truck Centers. Additional information on the BAFO pricing is provided in Attachment 1.

Recommendation for Award

Based on the results of the RFP, staff is recommending the award of this contract to Los Angeles Truck Centers for the purchase of two 2019 Western Star 4900SB dozer transport tractors.

Attachment(s)

1. BAFO Pricing Summary
2. Proposal from Los Angeles Truck Centers (on file in the Office of the Clerk and available upon request)

**JA2267 – Purchase of Two Dozer Transport Tractors
Best and Final Offer Pricing Summary**

Attachment 1

Best and Final Offer (BAFO)

Pursuant to the terms of the RFP, staff requested a BAFO from Los Angeles Truck Centers. The BAFO resulted in a \$170 increase per unit, which included the following changes requested by staff as a result of the clarifications provided during the vendor interview: deletion of the ember screen requirement, add: all exposed aluminum shall be medium polish finished, add: K-rail and optional shelves to extended cab area (no center console), add: turbo boost gauge. In addition, as part of the BAFO offer consideration, Los Angeles Truck Center will also include one inspection trip for the Fleet Manager or designee, to Portland, Oregon, to inspect the tractors prior to shipping to CA, at no cost to the OCFA.

Vendor		Los Angeles Truck Center Original Proposal Pricing		Los Angeles Truck Center <i>BAFO Pricing</i>	
Description	Qty	Unit Price	Bid Total	Unit Price	Bid Total
Dozer Transport Vehicle Per Spec No. 02-40-18	2	\$159,729.00	\$319,458.00	\$159,900.00	\$319,800.00
Sales Tax (7.75%)	2	\$12,379.00	\$24,758.00	\$12,392.25	\$24,784.50
Final Inspection Trip cost Per Person	4	n/c	n/c	n/c	n/c
CA Tire Fees Per Vehicle	2	\$17.50	\$35.00	\$17.50	\$35.00
Transportation/Delivery Charge	1	\$0.00	\$0.00	\$0.00	\$0.00
Optional Single Source 5-year warranty	2	\$7,500.00	\$15,000.00	opt out	opt out
Total		\$179,625.58	\$359,251.00	\$172,309.75	\$344,619.50

Dozer Transport Tractor (JA2267), bidding on March 14, 2018 11:00 AM (Pacific)

Printed 03/19/2018

Bid Results**Bidder Details**

Vendor Name	Los Angeles Truck Centers, LLC
Address	2429 S. Peck Road Whittier, CA 90601 United States
Respondee	James K. Blakely
Respondee Title	Fleet and Government Sales
Phone	714-357-0024 Ext.
Email	jblakely@lafreightliner.com
Vendor Type	

Bid Detail

Bid Format	Electronic
Submitted	March 9, 2018 3:01:15 PM (Pacific)
Delivery Method	200 day apx
Bid Responsive	
Bid Status	Submitted
Confirmation #	134475
Ranking	0
Amount	\$0.00

Respondee Comment**Buyer Comment****Attachments**

File Title	File Name	File Type
pages 32-33	Pages from RESDFTJA2267-Dozer Tractor Transport Vehicle REVISED 2-27-18 PRICING.pdf	Cost File
excel file	RESDozer Tractor Transport Vehicle Specification No 02-40-18 REVISED 2-26-18.xlsx	Response File
Exhibit and response	RESDFTJA2267-Dozer Tractor Transport Vehicle REVISED 2-27-18.pdf	RFP Required Response Forms
Supporting documents	Binder1.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. **Offeror's information:** Exhibit B
3. **Certification of Proposal:** Exhibit C
4. **Statement of Qualifications:** Exhibit D
5. **Response to Vehicle Spec # 02-40-18 Dozer Transport Tractor:** Exhibit E
6. **References:** Exhibit F
7. **Pricing Page:** Exhibit G
8. **Party Participant and Agent Disclosure Forms:** Exhibit H
9. **W-9:** 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

Mr. James Aquila
Orange County Fire Authority
One Fire Authority Road Bldg. C
Irvine, CA 92602

RE: Heavy Haul Tractors

Mr. Aquila,

A. Contact information:

James K. Blakely Fleet and Government Sales

714-357-0024, jblakely@lafreightliner.com

I have 27 years of experience in commercial and municipal truck sales, have been supplying trucks to OCFA and County of Orange since the late 1990's. Our dealership group supplies trucks to most of the municipalities in Southern Ca, Arizona and Nevada, including multiple state agencies i.e. Caltrans, DFG, DWR etc.

A. Understanding:

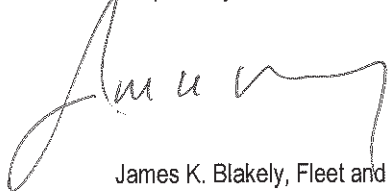
OCFA is looking for Two Heavy Haul tractors to plus Cozad style trailer to carry Dozers and graders for both road maintenance and respond for fire emergencies.

Uptime is critical so a solid dealer network staffed with qualified technician and parts inventory is critical to your operation, with having nine locations in southern California with Prime locations Elite certified. I am confident we can meet the needs and expectations of OCFA.

- B. As stated our pricing as shown is good for 2019 model year trucks with an escalator cap of \$2,300.00 for any orders for 2020 model year vehicles

Call me with any questions, Thank you for your consideration.

Respectfully,



James K. Blakely, Fleet and Government Sales



Bryan Kobus CFO



EXHIBIT B: 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: Los Angeles Truck Centers LLC

FIRM PARENT OR OWNERSHIP: Same

ADDRESS: 2429 S. Peck Road Whittier, CA 90601

FIRM TELEPHONE #: 562-447-1326

FIRM FAX #: 866-416-8816

FIRM'S TAX I.D. NUMBER: 94-3303320

INCORPORATED: YES ☒ NO ☐

LEGAL FORM OF COMPANY: (partnership, corporation, joint venture): Limited Liability Company

LENGTH OF TIME YOUR FIRM HAS BEEN IN BUSINESS: 1998 current ownership

LENGTH OF TIME AT CURRENT LOCATION: 1978

NUMBER OF EMPLOYEES: 1500 **NUMBER OF CURRENT CLIENTS:** apx 7500

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

NAME: James K. Blakely

TITLE: Fleet and Government Sales

TELEPHONE #: 714-357-0024

E-MAIL: jblakely@lafreightliner.com

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

NAME: Same

TITLE: _____

TELEPHONE #: _____

E-MAIL: _____

EXHIBIT C: CERTIFICATION OF PROPOSAL

In responding to RFP JA2267 – Dozer Transport Tractor, 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.

- 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.
- The submission of the offer did not involve collusion or other anti-competitive practices.
- 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.
- The Offeror has submitted the Party, Participant (Agent) Disclosure Form if applicable.
- The Offeror shall not discriminate against any employee or applicant for employment in violation of Federal or State law.
- 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: Los Angeles Truck Centers LLC

ADDRESS: 2429 S. Peck Rd.

CITY: Whittier

STATE: CA

ZIP CODE: 90601

PRINTED NAME: James K. Blakely

TITLE: Fleet and Government Sales

SIGNATURE OF PERSON AUTHORIZED TO SIGN: 

DATE: 3-9-18

EXHIBIT D: STATEMENT OF QUALIFICATIONS

Offerors shall prepare a statement of qualifications that shows the ability, capacity, experience, and skill of the Offeror, their staff, and their employees to provide the equipment requested. The statement of qualifications should include, at a minimum, responses to the following.

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 fire 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? **200 days should be achievable, this will be confirmed post award based on factory order lead times.**
8. Provide a detailed description for an optional five (5) year 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 five year warranty.
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. **Basic vehicle warranty will be through the dealership, wet kit system through supplier. Dealership will be primary point of contact for all service needs.**
10. 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.

As Elite Support Dealer we have to meet a set of standards for each location. Express assessment in two hours of truck arriving. A min. number of certified technicians. Parts inventories and certified Partsman. Here is a link to a video overview <https://freightliner.com/video/2262>. A pdf overview is available for review.

Exhibit D

Mr. James Aquila
Orange County Fire Authority
One Fire Authority Road Bldg. C
Irvine, CA 92602

RE: Heavy Haul Tractors

I have 27 years of experience in commercial and municipal truck sales, have been supplying trucks to OCFA and County of Orange since the late 1990's. Our dealership group supplies trucks to most of the municipalities in Southern Ca, Arizona and Nevada, including multiple state agencies i.e. Caltrans, DFG, DWR etc. We have supplied heavy haul, trucks to LA county, DFG, County of Orange etc. We have many projects in process for multiple customers currently.

Los Angeles Freightliner has been in business since 1977, under current ownership since 1998. We have operations in California, Arizona and Nevada with gross revenues exceeding one billion dollars annually. Currently we have approximately 1,500 employees across our locations and divisions.

We are licensed by the department of motor vehicle to sell new and used vehicles in the States where we operate.

Los Angeles Truck Centers, LLC a Velocity Truck Center Company has five Elite support locations in Calif with 125 certified technicians. **Whittier Hours: MTWTF - 7:00 am - 8:00 pm, Saturday - 7:30 am - 4:00 pm Fontana: MON-FRI - Open 24 hours, SAT & SUN 6am-6pm**

Parts call center is open seven days a week, M-F 6 am to 10pm, Fontana parts location is open till midnight.

Parts delivery is available 6 days a week

We stock over 29 million dollars of parts inventory in 25,000 sq.ft of warehousing and retail space to meet demands.

During an emergency event we can provide a number for parts access during afterhours.



Detailed extended warranty information provided.

EXHIBIT E: RESPONSE TO VEHICLE SPECIFICATIONS # 02-40-18 DOZER TRANSPORT TRACTOR

The proposal must include detailed responses to vehicle specification number 02-40-18 Dozer Transport Tractor. 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 02-40-18 (REVISED 2/26/18)

RFP JA2088 Dozer Transport Vehicle

PROPOSAL 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. This vehicle will be used in conjunction with a trailer as a Dozer Transport

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.

OFFEROR: **Los Angeles Truck Centers, LLC**

Specification Requirements for Two (2) 2018 Dozer Transport Vehicles

SECTION			Exceeds	Complies	NO - Does Not Comply	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:		YES		
	2	<ul style="list-style-type: none"> Society of Automotive Engineer's Standards and Recommended Practices 		YES		
	3	<ul style="list-style-type: none"> Federal Motor Vehicle Safety (FMVSS) 		YES		
	4	<ul style="list-style-type: none"> Environmental Protection Agency (EPA) 		YES		
	5	<ul style="list-style-type: none"> Occupational Safety and Health Administration (OSHA) Standards 		YES		
	6	<ul style="list-style-type: none"> California State Standards (DOT Title 13) 		YES		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Materials and Workmanship (continued)	7	The apparatus provided shall be of the most current design and model year that the manufacturer produces (2018 or newer). All materials and components shall be new and of the most current model produced for which replacement parts are readily available. (no exception)		YES		
	8	All component parts shall embody the original manufacturer's label plate and part or model number as applicable.		YES		
	9	No manufacturer emblems/badges shall be affixed or stamped into the vehicle cab/body.				Western Star emblem will be affixed to grille
	10	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.		YES		
	11	All welding shall be neat and have uniform beads. All welding spatter shall be removed.		YES		
	12	Any torch cut metal shall have ground-smooth cuts.		YES		
	13	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.		YES		
Technical Data and Drawings	14	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.		YES		
	15	All offerors shall include the following technical drawings with their proposal:				basic drawing will be are provided

SECTION		Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Technical Data and Drawings (continued)	16 • Preliminary, rough draft conceptual drawings of proposed OCFA apparatus.		YES		
	17 • Turning radius report for the proposed apparatus.		YES		
	18 The successful awarded offeror shall provide the following:		YES		
	19 • Detailed drawing(s) of the cab dash, center console and all switch panel's layouts for approval.		YES		as available from OEM
	20 • Final "as built" drawings of OCFA apparatus by time of delivery that include all electrical, circuits.		Part and service CD & online access for wiring/circuit diagrams		
	21 • Final "as built" drawings of OCFA apparatus shall include length, width, height, wheelbase, flat ground clearances and angles of approach and departure.		YES		Deminsional drawings will be provided
	22 • The apparatus shall be weighed and documentation shall be provided to OCFA.		Yes a weight slip will be provided		
	23 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".				Drawing as available from OEM will be provided
	24 Engineering, design, and construction of the fire apparatus as specified in these specifications will be under the direct supervision of a licensed mechanical engineer.		YES		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Technical Data and Drawings (continued)	25	Data required from the manufacturer for each major component shall include the make and model.		YES		
	26	The manufacturer shall provide total weight certification (GVW and GAW) which includes rated axle capacities.		YES		
	27	Manufacturer shall also provide road performance guarantees including: acceleration, top speed, grade-ability, braking, etc.			NO - Does Not Comply	We will provide scans and projections only, oem takes exception to the word "guarantees"
	28	Vehicle turning radius (right and left) and rated axle capacity data shall be provided.		YES		
	29	Materials, type of construction and general drawings showing compartment size, seating arrangements, controls and instrument panel layout shall be provided.		YES		
DMV Registration	30	The manufacturer shall provide the following:				
	31	• Complete California Department of Motor Vehicles registration including all taxes and fees.		YES		
	32	• Certificate of origin.		YES		As a California licensed dealer we will title and E plate the vehicles
	33	• Verification of Vehicle Identification Number with California weight certification.		Yes		See 32

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Preparation for Shipment	34	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.		YES		
	35	The manufacturer shall arrange for a factory trained representative to conduct basic vehicle orientation training and demonstrate the equipment as follows at the customer's location:		YES		
Training	36	• Operation, use and basic maintenance for operators.		YES		
	37	• Maintenance, basic trouble shooting and repair for service technicians.		YES		per pre bid meeting
	38	• Factory representative shall be well versed and familiar with all aspects of the vehicle operations, capabilities and limitations (No exception).		YES		per pre bid meeting
	39	• Manufacturer shall give permission for photo/video recording of any and all training sessions for future reference by the OCFA.		YES		
General	40	Unit shall be capable of transporting a payload of 60 tons under a California Department of Transportation Purple Permit. This line item has been delted in its entirety.				
Paint:	41	Roof shall be painted white PPG#8259 or approved equal to the drip rail.		YES		
	42	Exterior chassis, deck and operators control Cab shall be painted Red PPG #71666 or approved equal.		YES		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Paint (continued)	43	Undercarriage and frame to be protected by a corrosion inhibiting finish in black.		per pre bid meeting		
	44	Extendable structures and moving parts should be finished in safety chrome or the manufacturers standard finish color for those components.		per pre bid meeting		
	45	All metal surfaces are to be finished or otherwise protected from corrosion.		per pre bid meeting		
Engine, Diesel:	46	Tier 4 final, in line 6 cylinder, 600 gross horsepower with 2050 ft. lbs peak torque Cummings ISX15. Must be approved by the California Air Resources Board (CARB approved).		YES		
	47	Engine must be equipped with a Diesel Particulate Filter (DPF).		YES		
	48	Must be equipped with auto regenitive system.		YES		
	49	The engine and its emission controls shall meet all California requirements for five (5) years or 100,000 miles from the date the vehicle is placed in service.		YES		
	50	2014 EPA Diesel emission compliant. No exceptions	2017EPA			
	51	Exhaust, dual system shall be dual Single vertical exhaust stack, minimum 4" diameter and comply with all current California regulations for exhaust and sound emissions with mufflers. Provide optional pricing for double vertical exhaust stack.		Yes		add 675.00

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Engine, Diesel (continued)	52	Heavy duty cooling system 1520 square inch radiator with coolant filter. Fan (Borg Warner) with full Fan Shroud, automatic radiator shutters, and bug screen. Constant torque hose clamps, silicone hoses.		Yes		
	53	Oil filter, bypass type, oil cooler		Yes		
	54	Fuel Pump, electronic, fuel filter separator.		Yes		
	55	Exhaust pyrometer and turbo boost gauge. Line Item has been deleted				
	56	12-volt starter, batteries – 3 each PC2150S ODYSSEY Group 31 with master switch at batteries and a 135 AMP Alternator.		Yes		
	57	Governor, electronic.		Yes		
	58	Air cleaner – two stage dry type with restriction indicator and ember screen.		Complies with NFPA std		
	59	Engine compression brake.		Yes		
	60	Oil drain plug.		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Clutch & Transmission	61	Clutch - Eaton angle spring manual clutch model to match engine configuration. Minimum of 2050 lbs feet of peak torque.		Yes		
	62	Transmission - Fuller RTLO20918B 18 speed overdrive transmission oil cooler mounted off radiator. Includes lube pump with cooler.		Yes		
Alumintank polished with Hydraulic Wet Kit	63	Hydraulic tank integrated in fuel tank, 70-30 driver tank and 50 gallon passenger capable of holding enough fluid to operate Trail King TK80 HT.		Yes		
	64	Quick connect hydraulic hoses.		Yes		
	65	GPM and PSI to be sufficient to operate Trail King TK 80 HT type rear hydraulic tail, Equipment hauling trailer.		Yes		
	66	PTO and Hydraulic Pump to provide sufficient PSI to operate Trail King TK 80 HT		Yes		
Chassis	67	Minimum GVWR 68,000 lbs.		Yes		
	68	Wheel Base is to be 196"		Yes*		* as std cab 196" with 12" extra cab need apx 208"
	69	Channel Type, chrome steel front bumper full width 7" holes in bumper for fog lights. Two tow hooks mounted to frame.		Yes		Center tow pin rated to 80,000# @0 deg see tow pin docs provided

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Chassis (continued)	70	Front suspension, multi tapered leaf springs and shock absorbers.		Yes		
	71	Rear suspension, Air Bag with air release valve controlled by switch in cab.		Yes		
	71A	Font axle setback		Yes		49"
	72	Front and rear matched to maximum GVWR.		Yes		
	73	Front Axle 22,000 20,000 lbs. capacity spacing great enough to transport 22,000 20,000 lbs. under California D.O.T. Purple permit.		Yes		
	74	Hendrickson Heavy Duty Suspension with 22,000 FA.			20,000	
	75	Rear axle 46000 lb with 4.33 axle ratio with spacing great enough to transport 46,725 minimum lbs. under California D.O.T. Purple permit		Yes		
	76	Axle Equipment/Driveline. Magnetic Traps, drain plug, fill plugs. Differential inter axle and full lock driver. Driveline Spicer 1710 HD main u-joints or equivalent. Wheel seals rear. Drag link and tie rods greased and sealed. No spin differential.		Yes		
	77	Frame – 10 ¾ x 3/8" STL 261-320, 20.0 SM 110,000 PSI double channel bolted Single channel frame rail. Ramped at rear for compatibility to currently owned Low Bed trailer, in addition to new trailer. Air-slide – fifth wheel. Cab activated.	3/8X3-7/8X11-5/8 INCH STEEL FRAME 120KSI	yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Chassis (continued)	78	Brake System (must comply with all California and Federal regulations at time of delivery). Front air brakes S cam Eaton 16.5" x 6 extended service DISC. Rear Air brakes S cam 16.6" x 7" extended service. Parking brake Maxi II Spring set RA. Slack adjusters auto rear and front. Air compressor – 16.5 CFM Bendix with cat air dryer Bendix AD-9 and heater. Moisture ejectors non-HTD Bendix auto. Parking brake chambers 4-corner.		Yes		
	79	Tires and Wheels: Front- Tubeless radial GAWR minimum Michelin, wheel – aluminum. Rear Tubeless Radial GAWR minimum Michelin, wheel aluminum. Spare tires and wheels – (one) front and (two) each of rear.		Yes , Continetals as equal		For Michelin X work fronts & Michelin multi D rears add 500.00 Continental have proven durability on like type equipment
	80	Legal mud flaps – mounted separate of body (spring mounted) quick flap manufactured Drop in pin flap.		Yes		
	81	Two (2) tool boxes, weatherproof, lockable , underbody left side and right side frame mounted 36" x 18" x 18" or best utilization of storage compartments		Yes		
Electrical	82	Comply with all California and Federal regulations at time of delivery.		Yes		
	83	Circuit breakers, and LED for all applicable lights.		Yes		
	84	Flasher Emergency lights.		Yes		
	85	Two (2) tail lights LED		Yes		
	86	Vendor to provide wiring terminated for two (2) Rear LED lights mounted on top of head board and adjustable, activated with truck manufacturer switch package. OCCA to purchase and install LED lights separate.		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Electrical (continued)	87	Vendor to provide wiring terminated for two (2) Lower LED lights mounted to illuminate fifth wheel, switches activated with truck manufacturers switch package to be located inside the cab. OCFA to purchase and install LED lights separate.		Yes		
	88	Vendor to provide wiring terminated for LED low profile light bar, cab activated with truck manufacturers switch package individual switches in the inside of the cab. OCFA to purchase and install LED low profile light bar separate.		Yes		
	89	Backup alarm, Preco Model 45AA, installed at rear, wired to chassis backup lights		Yes		
Exterior Cab Equipment	90	Sun visor - outside	we are offering a full floor to ceiling 12" extended cab with mounting	Yes		
	90A	Cab shall include a minimum 10" extended day cab				optional center console add 975.00, optional pair of shelves 200.00
	91	Hood, forward tilting front end		Yes		
	92	Horn, electric and air		Yes		
	93	All glass, safety, and tint (maximum allowable)		Yes		
	94	Windshield - Tinted laminated safety glass		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Exterior Cab Equipment (continued)	95	17" x 6" stainless heated mirrors, dual 6" covex mirrors mounted below, dual rectangle 5 1/2" x 7 1/2" expandable wide load mirrors capable of expanding 20" each				
	96	Windshield wipers, variable speed, electric		Yes		
	97	L & R can entry assist handles		Yes		
	98	Peeper rear window RH door 6"x11"		yes		or eyebrow mirror
	99	Rear cab window 17 X 36", fully tinted		18.5x36.5		
	100	Aluminum head board rack not to exceed the width of cab and height to be no higher than bottom of rear window. With locking chain rack. To hold 21 – ½ inch chains.		Yes		Locking chains were omitted at prebid, can supply if wanted
	101	Platform to cover entire area between cab and fifth wheel diamond style aluminum platform 58" x 66"		Yes		
	102	70" 36" Adjustable fifth wheel, cab activated		Yes		
	103	Steel rail frame tapered at rear to create a ramped tail that will successfully load current county Low Bed trailer.		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Exterior Cab Equipment (continued)	103A	1/2 Stainless steel fender to be installed over front forward drive axel.		Yes		
Interior Cab Equipment	104	Map Pocket LH door.		Yes		
	105	Steering wheel 18" diameter		Yes		
	106	Adjustable steering column (vertical & horizontal)		Yes		
	107	Air conditioning integral with heater		Yes		
	108	Additional defroster fan with separate switch (2 speeds)		Yes		
	109	Driver's seat- w/ Bostrom or or National air adjustable & Lower lumbar support and arm rests on both sides	PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3			
	110	Seatbelts: Lap and shoulder strap for both driver and passenger		Yes		
	111	Passenger seat, fixed base with storage compartment and door in base		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Interior Cab Equipment (continued)	112	Padded floor mat		Yes		
	113	L & R arm rests		Yes		
	114	Sun Visor both sides		Yes		
	115	Dome light with switch. Map light with switch		Yes		
	116	40 channel Cobra 29 CB radio, AM/FM stereo with blue tooth capability		Yes		
	117	Instrument/Gauge/Switch/Warning Devices (Include, but not limited to:)		Yes		
	118	• Air/Oil pressure		Yes		
	119	• Fuel		Yes		
	120	• Transmission		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Interior Cab Equipment (continued)	121	• Water		Yes		
	122	• Parking Brake control dash mounted		Yes		
	123	• Speedometer – electric MPH		Yes		
	124	• Voltage gauge		Yes		
	125	• Cool Temperature		Yes		
	126	• Fuel w/ warning light		Yes		
	127	• High engine oil temp. light		Yes		
	128	• Temp Gauges for Transmission Oil, Engine oil		Yes		
	129	• Rear axle lube		Yes		

SECTION			Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Interior Cab Equipment (continued)	130	• Engine hour meter		Yes		
	131	• Gauge — Exhaust gas pyrometer This line item has been deleted		Yes		
	132	• Turbo boost gauge			No	deleted from spec., 45.00 if desire to be add back
	133	• Two (2) Air pressure gauges and low air alarm		Yes		
	134	• 2 - 12V Power Plugs & Storage Tray		Yes		
Miscellaneous	135	Complete Hydraulic, Electrica and Air Schematics to be Supplied		Yes		Per oem
	136	Complete Operators Manual		Yes		
	137	Complete Parts and Repair Manual		Yes		
	138	6 hours Basic operator training on Tractor		Yes		

SECTION		Exceeds	Complies	NO - Does Not Comply	Exceptions/Clarifications/Comments
Miscellaneous (Continued)	139 6 hours Basic mechanic training on Tractor		Yes		
	140 Completed vehicles maintenance form (last page of specification) to be delivered with the unit		Yes		
	141 Necessary steps to access 5th wheel deck and header board		Yes		
	142 Certified "Weight Master" weight certificate to be delivered with unit		Yes		
	143 Copy of invoice and PO to be delivered with unit.		Yes		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

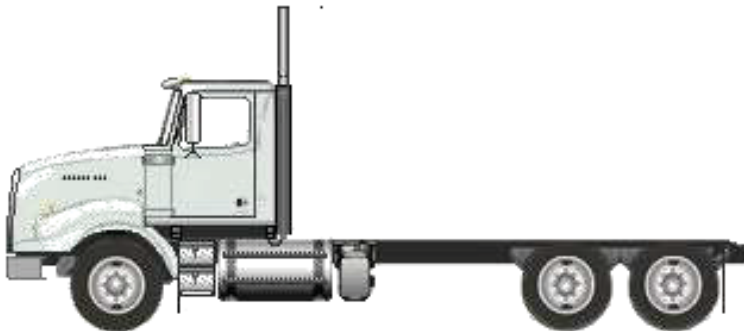
Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

A proposal for
Orange County Fire Authority

Prepared by
LOS ANGELES FTL - WST
James Blakely

Mar 09, 2018

Western Star 4900SB



Components shown may not reflect all spec'd options and are not to scale

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

TABLE OF CONTENTS

SPECIFICATION PROPOSAL	3
SHIFT CHART	18
STARTABILITY	21
GRADEABILITY	23
DIMENSIONS	27
OPERATING RANGE	29
OPERATING SPEED	32
SPEEDABILITY	35
TURNING RADIUS	38
GVWR	40
FRAME RBM	42



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-17W	WESTERN STAR PRL-17W (EFF:11/14/17)		
Data Version			
DRL-015	SPECPRO21 DATA RELEASE VER 015		
Vehicle Configuration			
001-424	WESTERN STAR 4900SA CHASSIS	9,679	6,846
004-219	2019 MODEL YEAR SPECIFIED		
002-002	SET BACK AXLE - TRACTOR		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-001	TRACTOR/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-027	HEAVY HAUL SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-006	HEAVY EQUIPMENT COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 66000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 105000.0 lbs		
Tractor Service			
AA2-009	LOWBOY TRAILER		



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
AH6-001	SINGLE (1) TRAILER		
Engine			
101-3AV	CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM	150	60
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-005	PTO MODE ENGINE RPM LIMIT - 900 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79N-001	PTO MODE CLUTCH OVERRIDE - CLUTCH ENABLED		
79P-004	PTO RPM WITH CRUISE SET SWITCH - 900 RPM		
79Q-004	PTO RPM WITH CRUISE RESUME SWITCH - 900 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-004	PTO MINIMUM RPM - 900		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-1BK	DUAL PAINTED 13 INCH DONALDSON COWL MOUNTED AIR CLEANERS AND BANDS	40	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-071	(3) ALLIANCE MODEL 1231XOE, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES		
290-1D2	STACK BATTERY BOX		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-061	POSITIVE LOAD DISCONNECT WITH CONTROL SWITCH WITH LOCKING PROVISION MOUNTED OUTSIDE OF CAB	2	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
180-101	EATON ADVANTAGE 15-1/2 INCH MANUALLY ADJUSTED CLUTCH		
183-008	TORQUE LIMITING CLUTCH BRAKE		
181-001	ZERK FITTING AT CLUTCH RELEASE BEARING		
107-045	CUMMINS NATURALLY ASPIRATED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-047	CUMMINS INTEBRAKE COMPRESSION BRAKE WITH (2) SWITCHES; (1) ON/OFF AND (1) LOW/MEDIUM/HIGH RETARDATION LEVEL		
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-038	11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-003	23 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER		
43X-001	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-016	ROUND PERFORATED SINGLE STAINLESS STEEL MUFFLER/TAILOPIPE SHIELD		
273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-001	FULL FLOW OIL FILTER		
266-1AE	1750 SQUARE INCH COPPER/BRASS RADIATOR		
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		
109-007	CAST IRON FRONT AND REAR ENGINE SUPPORTS		

Transmission

342-376	EATON FULLER RTLO-20918B TRANSMISSION	90	40
---------	---------------------------------------	----	----

Transmission Equipment

347-001	CAST IRON CLUTCH HOUSING		
362-1T6	CUSTOMER INSTALLED CHELSEA 489 SERIES PTO		
363-003	PTO MOUNTING, BOTTOM OF MAIN TRANSMISSION		
345-001	PAINTED SHIFT LEVER, SOLID LINKAGE		
370-002	AIR TO OIL TRANSMISSION COOLER		
35T-003	SYNTHETIC TRANSMISSION LUBE		

Front Axle and Equipment

400-1BB	DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210	
402-1AX	WABCO MAXXUS 225 AIR DISC 23,000# FRONT BRAKES	140	
403-043	2011/2013-FMVSS 121 RSD FRONT BRAKE LINING		
419-004	FRONT DISC BRAKE ROTORS		
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
405-030	FRONT AIR DISC BRAKE INTERNAL ADJUSTERS		
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension			
620-025	20,000# TAPERLEAF FRONT SUSPENSION	180	
619-002	THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION		
62G-001	ALUMINUM SPACER BLOCKS FOR FRONT SUSPENSIONS		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-103	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		420
421-430	4.30 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-078	MXL 18N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES	40	40
388-076	MXL 17N MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH FULL ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		40
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
87B-008	INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH		
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-043	2011/2013-FMVSS 121 RSD REAR BRAKE LININGS		
434-005	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
440-006	REAR OIL SEALS		
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS		
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
Rear Suspension			
622-108	AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE		480
621-007	AIRLINER HIGH POSITION RIDE HEIGHT		
431-004	WELDED AXLE SEATS SUPPLIED ON REAR AXLE		
624-025	55 INCH AXLE SPACING		
888-003	MANUAL DUMP VALVE FOR AIR SUSPENSION WITH INDICATOR LIGHT AND GAUGE		
910-001	SINGLE AIR REAR SUSPENSION LEVELING VALVE		
623-002	TRANSVERSE CONTROL RODS		
439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		
Brake System			
490-101	WABCO 4S/4M ABS WITH TRACTION CONTROL		
871-023	REINFORCED NYLON AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-017	COMBINATION ABS/SERVICE BRAKE VALVE WITH ATC, 5.5 PSI CRACK PRESSURE		
480-009	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-016	BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER TO WET TANK; DRAIN VALVE CABLES ON ALL OTHER TANKS		
Trailer Connections			
481-003	12 FOOT STRAIGHT TRAILER AIR HOSE		
476-041	50 INCH BRUSHED ALUMINUM FLEXASTICK MOUNTED BETWEEN RAILS ON STRADDLE BRACKET	5	5
484-002	DUMMY GLAD HANDS BACK OF CAB - PAIR		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
297-005	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE FRAME MOUNTED AFT CAB		
310-002	12 FOOT DETACHABLE STRAIGHT PRIMARY TRAILER ELECTRICAL CABLE WITH SAE J560 CONNECTOR		

Wheelbase & Frame

545-527	5275MM (208 INCH) WHEELBASE		
546-090	3/8X3-7/8X11-5/8 INCH STEEL FRAME 120KSI	360	140
552-017	1475MM (58 INCH) REAR FRAME OVERHANG		
55W-005	FRAME OVERHANG RANGE: 51 INCH TO 60 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 135.0 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 128.44 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 303.68		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 79.91 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 22.75 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 50.0 in		
560-001	UNDERSLUNG CROSSMEMBER	40	
553-002	FLANGED TAPERED END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
561-009	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION BACK OF TRANSMISSION CROSSMEMBER		
562-022	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION MIDSHIP #1 CROSSMEMBER	5	5
572-001	STANDARD REARMOST CROSSMEMBER		
56C-001	STANDARD WEIGHT REAR SUSPENSION FORWARD CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		
568-006	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION REAR MOUNTED SUSPENSION CROSSMEMBER		

Chassis Equipment

674-037	LH AND RH BACK OF CAB ACCESS, GRAB HANDLE(S) WITH SINGLE RUBBER INSERT; DOES NOT COMPLY WITH FMCSR 399	5	5
---------	--	---	---

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
592-118	18 INCH (457MM) OPEN-GRATE TOP OF RAIL DECK PLATE		
556-1AX	14 INCH TAPERED SWEPTBACK CHROMED STEEL BUMPER		
558-026	NON REMOVABLE CENTERED FRONT TOW PIN FOR HIGHWAY OR CONSTRUCTION BUMPER		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-095	BETTS B-23 PAINTED COILED MUDFLAP BRACKETS		
590-032	WESTERN STAR LOGO BLACK MUDFLAPS		
586-002	FENDER MOUNTED FRONT MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		

Fifth Wheel

578-1CC	JOST JSK37 SERIES LOW LUBE 36.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS
577-914	FIFTH WHEEL 914MM (36.0 INCHES) AHEAD OF SUSPENSION CENTERLINE
582-014	197MM (7.75 INCH) FIFTH WHEEL HEIGHT
570-001	OUTBOARD ANGLE - FIFTH WHEEL MOUNTING
890-001	DASH MOUNTED CONTROL VALVE AND PLUMBING FOR FIFTH WHEEL
579-008	DASH AIR RELEASE FOR FIFTH WHEEL KP

Fuel Tanks

206-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - RH	105	40
204-042	100 GALLON SPLIT ALUMINUM FUEL/HYDRAULIC TANK LH, 60/40	10	
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-008	FUEL TANK(S) AFT		
67J-005	LH AND RH FULL LENGTH FUEL TANK STEPS	9	9
664-001	PLAIN STEP FINISH		
211-001	FUEL TANK COMPRESSION BRACE	30	
205-001	FUEL TANK CAP(S)		
122-075	ALLIANCE FUEL FILTER/WATER SEPARATOR	15	
216-020	EQUIFLO INBOARD FUEL SYSTEM		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-998	NO FUEL COOLER	-10	
847-002	IN TANK FUEL LEVEL SENDER(S)		
Tires			
093-1PB	CONTINENTAL CITY SERVICE HA3 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-2DY	CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES		136
Hubs			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	60	
450-058	CONMET PRESET PLUS PREMIUM ALUMINUM REAR HUBS		
Wheels			
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	
505-1EF	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-200
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
829-1AB	123 INCH BBC STEEL CONVENTIONAL CAB		
682-085	OPENING IN BACK OF CAB WITH TEMPORARY STRUCTURE		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-045	RAISED AIR CAB MOUNTS WITH CHECK VALVE		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
695-998	NO SLEEPER DOOR	-15	
667-022	LARGE PROFILE FRONT FENDER		
678-034	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST		
645-004	STAINLESS STEEL RADIATOR SHELL/HOOD BEZEL WITH STYLIZED TILT HOOD HANDLE		
646-032	HOOD MOUNTED ALUMINUM GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB	50	
644-045	SUPER VISIBILITY HOOD WITH CAB MOUNTED QUARTER FENDERS		
643-002	HEAVY DUTY HOOD MOUNTING		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
727-1AY	SINGLE AIR HORN UNDER LH DECK		
726-001	SINGLE ELECTRIC HORN		
728-001	SINGLE HORN SHIELD		
657-1AF	DOORS AND IGNITION KEYED THE SAME (3 KEYS)		
327-010	SWITCH AND WIRING WITH STAINLESS STEEL BRACKETS MOUNTED OUTBOARD ROOF FOR (2) CUSTOMER FURNISHED BEACONS	2	
312-003	DUAL RECTANGULAR HALOGEN HEADLIGHTS		
302-022	LED MARKER LAMPS		
315-014	PERLUX 500SRS RECTANGULAR FOG LIGHTS IN BUMPER WITH AMBER LENS, BLACK HOUSING AND ROCK GUARD	6	
311-001	DAYTIME RUNNING LIGHTS		
294-060	LED STOP/TAIL WITH SEPARATE INCANDESCENT BACKUP LIGHTS MOUNTED ON POLISHED ALUMINUM PLATE END OF FRAME		5
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
31J-002	(2) SWITCHES WITH INDICATORS AND WIRING FOR CUSTOMER FURNISHED UTILITY LAMPS MOUNTED BACK OF CAB/SLEEPER WITH 10 FOOT COILED CABLE		
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AA	LH AND RH SUREPLUS 574 8 INCH BRIGHT FINISH HEATED CONVEX MIRRORS WITH SEPARATE ADJUSTMENT, MOUNTED BELOW MIRROR		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
73A-002	REAR REFLECTIVE DEVICE		
787-020	ELECTRIC DOOR LOCKS, MECHANICAL KEY TUMBLER		
677-016	DUAL LEVEL CAB ENTRY STEPS ON BOTH SIDES		
764-002	STAINLESS STEEL EXTERIOR SUN VISOR	28	
768-998	NO REAR WINDOW	-20	
661-006	TINTED DOOR GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
769-002	LOWER RH DOOR WINDOW WITH FRESNEL LENS	7	
663-014	2-PIECE TINTED CURVED BONDED WINDSHIELD		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
659-016	1.5 GALLON WINDSHIELD WASHER RESERVOIR MOUNTED UNDER CAB WITH REMOTE FILL		
Cab Interior			
707-1D0	GRAY VINYL BASE INTERIOR		
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-019	NO DASH MOUNTED ASH TRAY, POWER RECEPTACLE IN LIEU OF LIGHTER		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		
693-025	LH AND RH DOOR MAP POCKETS		
741-015	(2) COAT HOOKS ON BACKWALL OF CAB		
742-032	(1) DOUBLE CUP HOLDER WITH CELL PHONE HOLDER LH OR RH DASH		
680-033	BLACK SOFT TOUCH WING DASH WITH DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-001	STANDARD HVAC DUCTING		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
739-001	CAB INSULATION		
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-076	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT WITH LH AND RH DOOR MOUNTED COURTESY LIGHTS AND LH AND RH READING LIGHTS		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
64C-002	BRIGHT DOOR HANDLES		
284-045	(2) 12 VOLT POWER RECEPTACLES MOUNTED IN DASH		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
756-1D9	PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	40	
760-1J2	BASIC HIGH BACK NON SUSPENSION TOOL BOX PASSENGER SEAT	-30	
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-1AA	GRAY VINYL DRIVER SEAT COVER		
761-1AA	GRAY VINYL PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
709-006	SLEEPER CURTAIN		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-020	2-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL(S)		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

185-002	NON-ADJUSTABLE SUSPENDED PEDALS		
732-001	BLACK DRIVER INSTRUMENT PANEL		
734-001	BLACK CENTER INSTRUMENT PANEL		
870-004	STAR GAUGES WITH BLACK BEZELS		
838-010	(1) TRACTOR AND (1) TRAILER BRAKE APPLICATION AIR GAUGE		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-004	DASH MOUNTED AIR RESTRICTION GAUGE	2	
721-021	87 DB TO 112 DB SELF-ADJUSTING BACKUP ALARM		3
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
866-009	DUAL REAR AXLE TEMPERATURE GAUGES WITH SENSOR SHIELD		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
854-001	ENGINE OIL TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
372-034	DASH MOUNTED PTO CONTROL WITH INDICATOR LIGHT, GUARD AND PIPING	5	
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
748-026	POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
752-017	MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-004	FOUR EXTRA SWITCHES IN DASH		
44Z-001	EXTERIOR HARNESSSES WRAPPED IN CONDUIT		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-001	2 INCH VOLTMETER		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-015	CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-032	VSM NON CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITHOUT BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Data Code	Description	Weight Front	Weight Rear
Design			
065-902	TWO COLOR CUSTOM PAINT		
Color			
980-8FC	CAB COLOR A: HSB905935 WHITE PPG BASE/CLEAR		
981-8PT	CAB COLOR B: HSB906511 LT RED PPG BASE/CLEAR		
96J-001	CAB INTERIOR PAINTED SAME AS CAB COLOR		
986-8HJ	CHASSIS PAINT: HST906511 LT RED PPG SINGLE STG		
Certification / Compliance			
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
Secondary Factory Options			
99B-023	SHIP TO CARCO MANUFACTURING (TUALATIN, OR) PRIOR TO DELIVERY		
999-014	DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE		
MWF-003	DETROIT FRONT AXLE COVERAGE, VOCATIONAL, 3 YEAR/300,000 MILES/480 000 KILOMETERS		
683-998	NO SLEEPER MOUNTING		

TOTAL VEHICLE SUMMARY

Weight Summary			
	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	11492 lbs	8074 lbs	19566 lbs
Total Weight ⁺	11492 lbs	8074 lbs	19566 lbs

Extended Warranty	
WAI-5BC	CUM 2017 X15: HD1 PERFORMANCE 5 YEARS / 100,000 MILES / 161,000 KM EXT WARRANTY. FEX APPLIES

Prepared for:

Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:

James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

WAX-132 CUM 2017 X15 AT3 PERFORMANCE 5 YEARS / 100,000 MILES /
161,000 KM AFTERTREATMENT.FEX APPLIES

(+) Weights shown are estimates only.

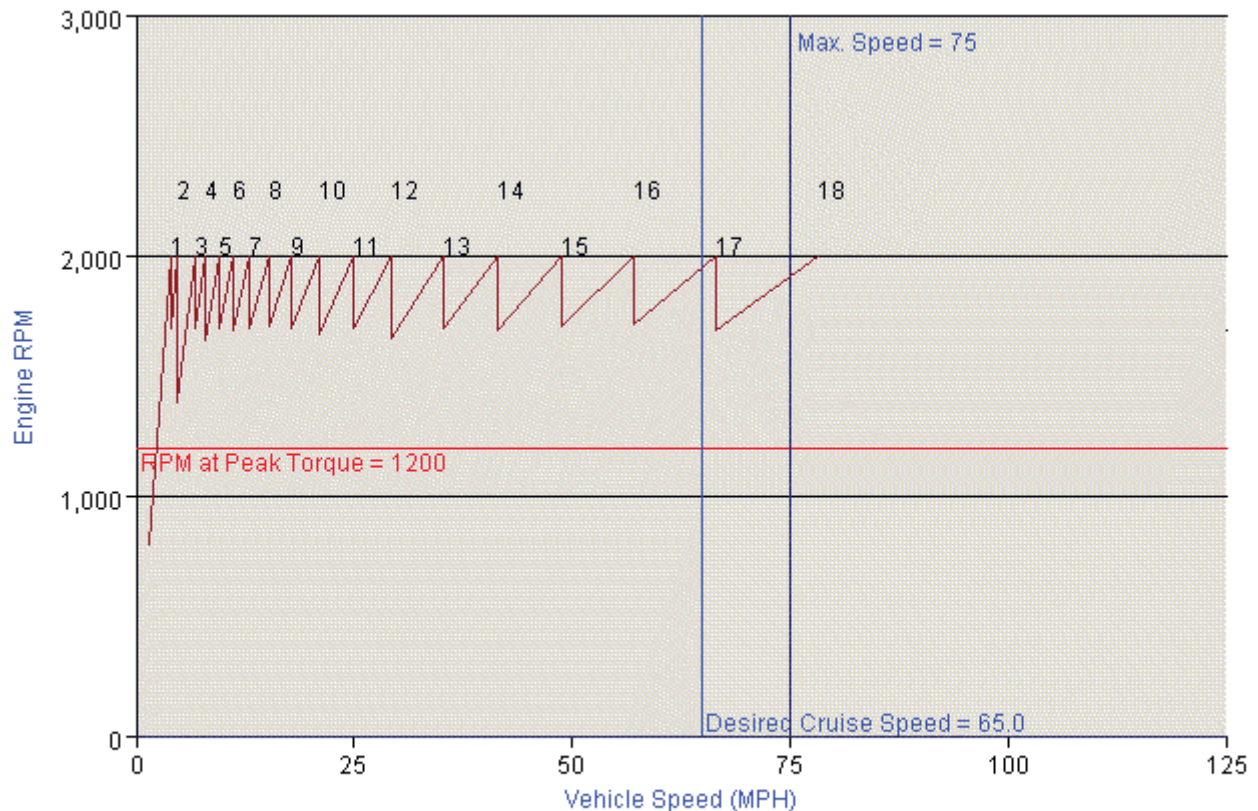
If weight is critical, contact Customer Application Engineering.



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

SHIFT CHART



VEHICLE SPECIFICATIONS SUMMARY - SHIFT CHART

Model 4900SB
Cab Size (829)..... 123 INCH BBC STEEL CONVENTIONAL CAB
Desired Cruise Speed (mph) 65.0
Engine (101)..... CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM
RPM at Peak Torque 1200

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Governed RPM.....	2000
Transmission (342).....	EATON FULLER RTLO-20918B TRANSMISSION
Gear Ratio: LL	N/A
Gear Ratio: L	N/A
Gear Ratio: 1	14.4
Gear Ratio: 2	12.29
Gear Ratio: 3	8.56
Gear Ratio: 4	7.3
Gear Ratio: 5	6.05
Gear Ratio: 6	5.16
Gear Ratio: 7	4.38
Gear Ratio: 8	3.74
Gear Ratio: 9	3.2
Gear Ratio: 10	2.73
Gear Ratio: 11	2.29
Gear Ratio: 12	1.95
Gear Ratio: 13	1.62
Gear Ratio: 14	1.38
Gear Ratio: 15	1.17
Gear Ratio: 16	1
Gear Ratio: 17	0.86
Gear Ratio: 18	0.73
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Rear Axle (420)	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	4.30 REAR AXLE RATIO
Rear Tires (094)	CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile	488

TABLE SUMMARY - SHIFT CHART



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

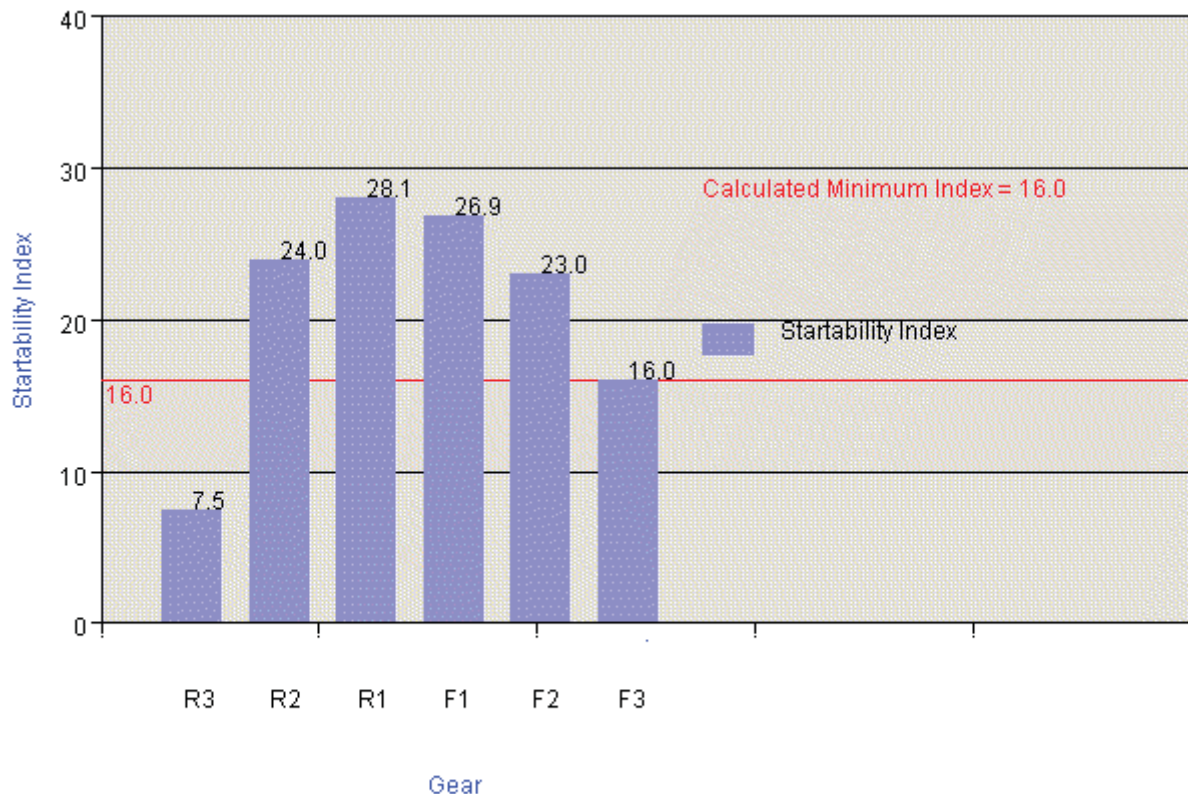
Transmission Gear	Transmission Gear Ratio	Rear Axle Ratio	Overall Gear Ratio	Percent Split	RPM After Shift	MPH at Peak Torque RPM	MPH at Governed
1	14.40	4.3	61.92	N/A	800	2.4	4.0
2	12.29	4.3	52.85	17.2	1707	2.8	4.7
3	8.56	4.3	36.81	43.6	1393	4.0	6.7
4	7.30	4.3	31.39	17.3	1706	4.7	7.8
5	6.05	4.3	26.01	20.7	1658	5.7	9.5
6	5.16	4.3	22.19	17.2	1706	6.6	11.1
7	4.38	4.3	18.83	17.8	1698	7.8	13.1
8	3.74	4.3	16.08	17.1	1708	9.2	15.3
9	3.20	4.3	13.76	16.9	1711	10.7	17.9
10	2.73	4.3	11.74	17.2	1706	12.6	20.9
11	2.29	4.3	9.85	19.2	1678	15.0	25.0
12	1.95	4.3	8.38	17.4	1703	17.6	29.3
13	1.62	4.3	6.97	20.4	1662	21.2	35.3
14	1.38	4.3	5.93	17.4	1704	24.9	41.4
15	1.17	4.3	5.03	17.9	1696	29.3	48.9
16	1.00	4.3	4.30	17.0	1709	34.3	57.2
17	0.86	4.3	3.70	16.3	1720	39.9	66.5
18	0.73	4.3	3.14	17.8	1698	47.0	78.3

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

Prepared for:
 Rick Oborny
 Orange County Fire Authority
 One Fire Authority Rd
 Irvine, CA 90000
 Phone: 7145736651

Prepared by:
 James Blakely
 LOS ANGELES FTL - WST
 2429 PECK ROAD
 WHITTIER, CA 90601
 Phone: 714-357-0024

STARTABILITY



VEHICLE SPECIFICATIONS SUMMARY - STARTABILITY

Model	4900SB
Cab Size (829).....	123 INCH BBC STEEL CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	20000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs)	46000.0

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

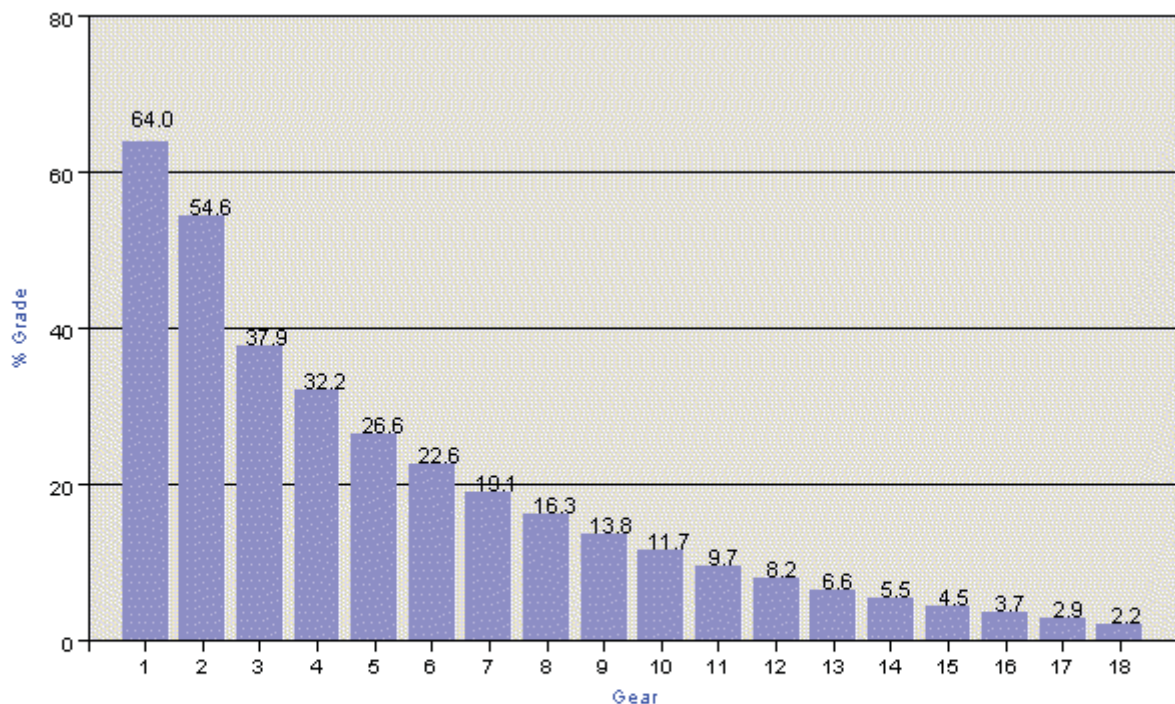
Expected Tag Axle(s) Load (lbs) 0.0
Expected GVW (lbs) 66000
Expected GCW (lbs) 105000.0
Engine (101) CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM
Torque at Clutch Engagement (lbs-ft) 1000
Transmission (342) EATON FULLER RTLO-20918B TRANSMISSION
Gear Ratio: Forward 1 14.4
Gear Ratio: Forward 2 12.29
Gear Ratio: Forward 3 8.56
Gear Ratio: Reverse 1 15.06
Gear Ratio: Reverse 2 12.85
Gear Ratio: Reverse 3 4.03
Auxiliary Transmission (352) NO AUXILIARY TRANSMISSION
Low Gear Ratio N/A
High Gear Ratio N/A
Transfer Case (373) NO TRANSFER CASE
Low Gear Ratio N/A
High Gear Ratio N/A
Rear Axle (420) RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Number of Speeds 1
Rear Axle Gear Ratio(s) 4.30 REAR AXLE RATIO
Rear Tires (094) CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile 488
Vehicle Service (A85) HEAVY HAUL SERVICE
Startability Factor 8
Terrain (AA5) TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
Startability Factor 0
Most Severe Grade Expected (AB1) MAXIMUM 8% EXPECTED GRADE
Startability Factor 8
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
Startability Factor 0
Suggested Torque Converter Stall Ratio 1

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

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

GRADEABILITY



Desired Gradeability at Peak Torque = 0.5

VEHICLE SPECIFICATIONS SUMMARY - GRADEABILITY

Model	4900SB
Cab Size (829).....	123 INCH BBC STEEL CONVENTIONAL CAB
Desired Gradeability at Peak Torque (%).....	0.5
Desired Gradeability at Cruise Speed(%).....	0.3
Desired Cruise Speed (mph)	65.0

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Expected Front Axle(s) Load (lbs).....	20000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs).....	46000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs).....	66000
Expected GCW (lbs).....	105000.0
Engine (101).....	CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM
Peak Torque (lbs-ft).....	2050
RPM at Peak Torque.....	1200
Peak Torque (Multi-torque High) (lbs-ft).....	2050
RPM at Peak Torque (Multi-torque High).....	1200
Multi-torque.....	NO
Transmission (342).....	EATON FULLER RTLO-20918B TRANSMISSION
Rear Axle (420).....	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	4.30 REAR AXLE RATIO
Rear Tires (094).....	CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile.....	488
Trailer Width (in).....	102.0
Trailer Height (ground to top) (ft).....	13.5
Body Width (in).....	0.0
Body Height (ground to top) (ft).....	6.0
Roof Mounted Aero Device (784).....	NO AIR SHIELD OR BRACKETS
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE	
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
High Gear Ratio.....	N/A
Low Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
High Gear Ratio.....	N/A
Low Gear Ratio.....	N/A
Trailer Configuration (AA2).....	LOWBOY TRAILER

TABLE SUMMARY - GRADEABILITY

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	14.40	61.92	2.4	427.3	64.0
2	12.29	52.85	2.8	426.8	54.6
3	8.56	36.81	4.0	425.2	37.9
4	7.30	31.39	4.7	424.3	32.2
5	6.05	26.01	5.7	423.0	26.6
6	5.16	22.19	6.6	421.6	22.6
7	4.38	18.83	7.8	419.9	19.1
8	3.74	16.08	9.2	417.8	16.3
9	3.20	13.76	10.7	415.4	13.8
10	2.73	11.74	12.6	412.2	11.7
11	2.29	9.85	15.0	407.8	9.7
12	1.95	8.38	17.6	402.5	8.2
13	1.62	6.97	21.2	394.4	6.6
14	1.38	5.93	24.9	384.7	5.5
15	1.17	5.03	29.3	371.0	4.5
16	1.00	4.30	34.3	352.9	3.7
17	0.86	3.70	39.9	328.5	2.9
18	0.73	3.14	47.0	290.3	2.2
Desired Gradeability at Peak Torque			0.5		
Rear Axle Ratio			4.30		
Gross HP Available at Peak Torque			468		
RPM at Peak Torque			1200		
*Blue background represents value input by user.					

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	14.40	61.92	3.3	538.8	58.4
2	12.29	52.85	3.9	538.1	49.8
3	8.56	36.81	5.5	535.8	34.5
4	7.30	31.39	6.5	534.5	29.4
5	6.05	26.01	7.8	532.5	24.3
6	5.16	22.19	9.2	530.5	20.6
7	4.38	18.83	10.8	527.9	17.4
8	3.74	16.08	12.7	524.7	14.8
9	3.20	13.76	14.8	520.8	12.5
10	2.73	11.74	17.4	515.7	10.6
11	2.29	9.85	20.7	508.1	8.8
12	1.95	8.38	24.3	498.9	7.3
13	1.62	6.97	29.3	483.8	5.9
14	1.38	5.93	34.4	465.3	4.8
15	1.17	5.03	40.6	438.0	3.9
16	1.00	4.30	47.4	400.3	3.0
17	0.86	3.70	55.2	347.8	2.3
18	0.73	3.14	65.0	262.9	1.4
Desired Gradeability at Cruise Speed			0.3		
Desired Cruise Speed			65.0		
Rear Axle Ratio			4.30		
Gross HP Available at Cruise Speed			606		
RPM at Cruise Speed			1659		
*Blue background represents value input by user.					

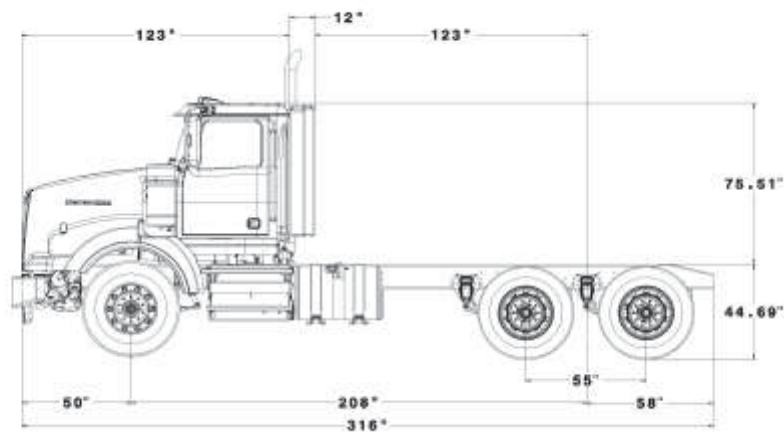
Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

D I M E N S I O N S

Fuel tanks
Not to scale



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	4900SB
Wheelbase (545)	5275MM (208 INCH) WHEELBASE
Rear Frame Overhang (552).....	1475MM (58 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	CUSTOM FIFTH WHEEL
Mounting Location (577)	FIFTH WHEEL 914MM (36.0 INCHES) AHEAD OF SUSPENSION CENTERLINE
Maximum Forward Position (in).....	36
Maximum Rearward Position (in)	10034
Amount of Slide Travel (in).....	N/A
Slide Increment (in).....	N/A
Desired Slide Position (in).....	18.0
Cab Size (829).....	123 INCH BBC STEEL CONVENTIONAL CAB
Sleeper (682).....	CUSTOM SLEEPER CAB/BOX-SKIN/FRAME
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

TABLE SUMMARY – DIMENSIONS *

Dimensions	Inches
Bumper to Back of Cab (BBC)	123.4
Bumper to Centerline of Front Axle (BA)	50.4
Back of Cab to Centerline of Rear Axle(s) (CA)	net of 123" Net 135.0
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	net of 116.40 128.4
Back of Cab Protrusions (Exhaust/Intake) (CP)	net of 0 6.6
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	6.6
Back of Cab to End of Frame	Back of extended cab 181" 199.0
Cab Height (CH)	75.8
Fifth Wheel to Centerline of Rear Axle(s) (FW)	0.0
Wheelbase (WB)	208.0
Frame Overhang (OH)	58.0
Overall Length (OAL)	316.4
Rear Axle Spacing	55.0
Unladen Frame Height at Centerline of Rear Axle	42.7

*Above table doesn't reflect back pack impact on measurements

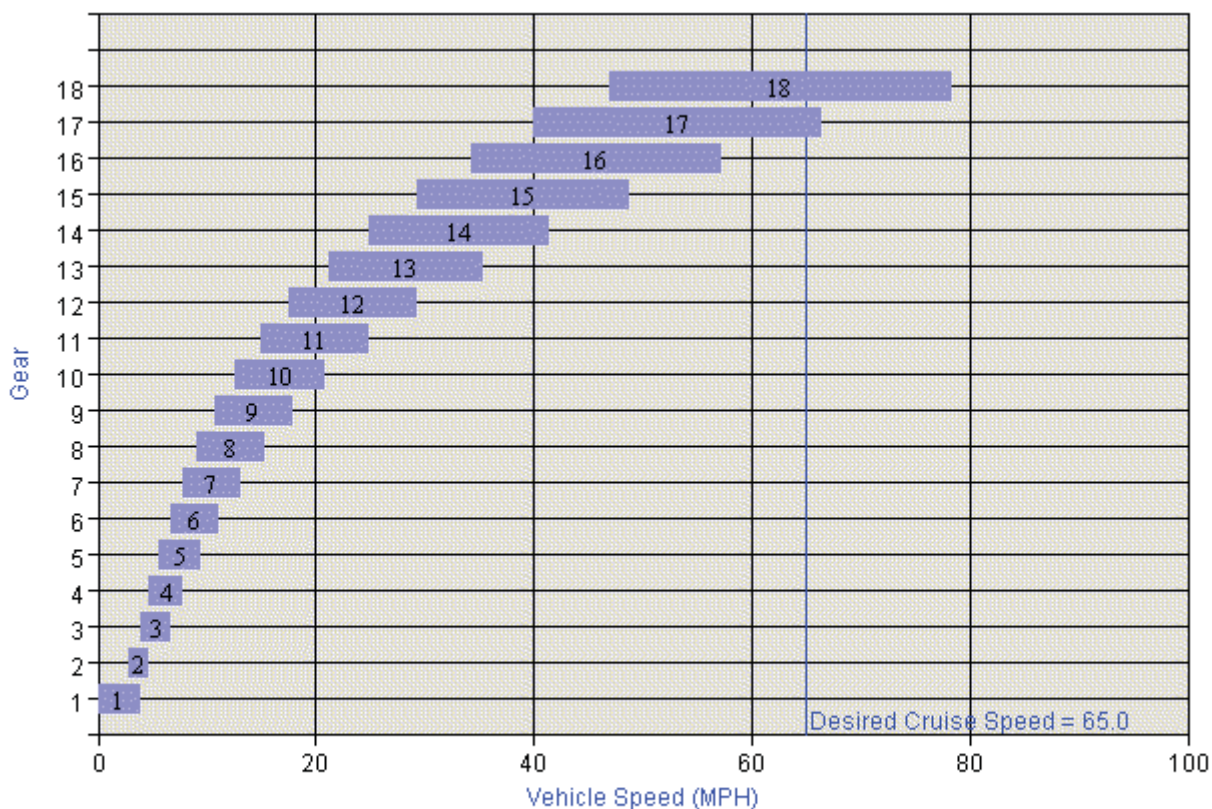
Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

Note: I added 12" to the 196" wheelbase based on the 12" backpack addition, you may decide to shorten this from the current 208" to 202", (as the exhaust protrusion in within the backpack spacing now)depending on how far forward you set your fifth wheel stops. That would improve your maneuverability.

Prepared for:
 Rick Oborny
 Orange County Fire Authority
 One Fire Authority Rd
 Irvine, CA 90000
 Phone: 7145736651

Prepared by:
 James Blakely
 LOS ANGELES FTL - WST
 2429 PECK ROAD
 WHITTIER, CA 90601
 Phone: 714-357-0024

OPERATING RANGE



VEHICLE SPECIFICATIONS SUMMARY - OPERATING RANGE

Model 4900SB
 Cab Size (829)..... 123 INCH BBC STEEL CONVENTIONAL CAB
 Desired Cruise Speed (mph) 65.0
 Engine (101)..... CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM
 RPM at Peak Torque 1200

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Governed RPM.....	2000
Transmission (342).....	EATON FULLER RTLO-20918B TRANSMISSION
Gear Ratio: LL	N/A
Gear Ratio: L	N/A
Gear Ratio: 1	14.4
Gear Ratio: 2	12.29
Gear Ratio: 3	8.56
Gear Ratio: 4	7.3
Gear Ratio: 5	6.05
Gear Ratio: 6	5.16
Gear Ratio: 7	4.38
Gear Ratio: 8	3.74
Gear Ratio: 9	3.2
Gear Ratio: 10	2.73
Gear Ratio: 11	2.29
Gear Ratio: 12	1.95
Gear Ratio: 13	1.62
Gear Ratio: 14	1.38
Gear Ratio: 15	1.17
Gear Ratio: 16	1
Gear Ratio: 17	0.86
Gear Ratio: 18	0.73
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Rear Axle (420)	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	4.30 REAR AXLE RATIO
Rear Tires (094)	CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile	488

TABLE SUMMARY - OPERATING RANGE



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

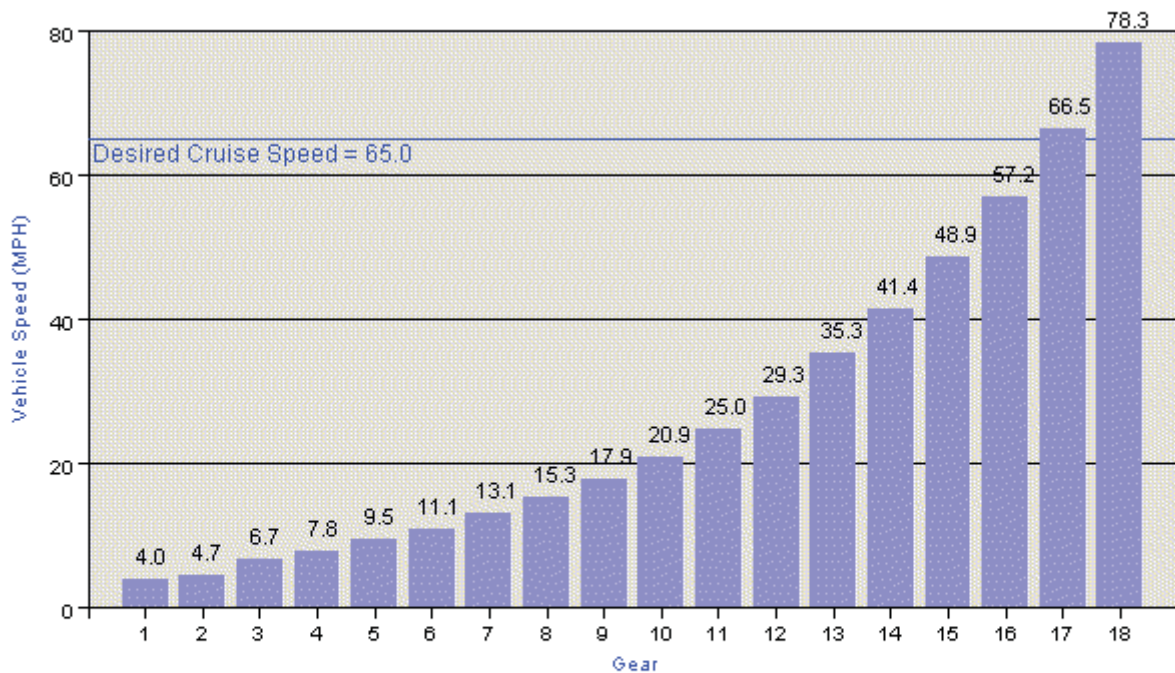
Transmission Gear	Transmission Gear Ratio	Rear Axle Ratio	Overall Gear Ratio	Minimum Speed (MPH)	Maximum Speed (MPH)
1	14.40	4.3	61.92	0	4.0
2	12.29	4.3	52.85	2.8	4.7
3	8.56	4.3	36.81	4.0	6.7
4	7.30	4.3	31.39	4.7	7.8
5	6.05	4.3	26.01	5.7	9.5
6	5.16	4.3	22.19	6.6	11.1
7	4.38	4.3	18.83	7.8	13.1
8	3.74	4.3	16.08	9.2	15.3
9	3.20	4.3	13.76	10.7	17.9
10	2.73	4.3	11.74	12.6	20.9
11	2.29	4.3	9.85	15.0	25.0
12	1.95	4.3	8.38	17.6	29.3
13	1.62	4.3	6.97	21.2	35.3
14	1.38	4.3	5.93	24.9	41.4
15	1.17	4.3	5.03	29.3	48.9
16	1.00	4.3	4.30	34.3	57.2
17	0.86	4.3	3.70	39.9	66.5
18	0.73	4.3	3.14	47.0	78.3

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

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

OPERATING SPEED



Rear Axle Ratio = 4.30

Engine RPM = 2000

VEHICLE SPECIFICATIONS SUMMARY - OPERATING SPEED

Model	4900SB
Cab Size (829).....	123 INCH BBC STEEL CONVENTIONAL CAB
Top Speed (mph).....	78.3
Engine RPM	2000.0
Desired Cruise Speed (mph)	65.0

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Engine (101)..... CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM
Governed RPM..... 2000
Transmission (342)..... EATON FULLER RTLO-20918B TRANSMISSION
Rear Axle (420) RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Number of Speeds..... 1
Rear Axle Gear Ratio(s)..... 4.30 REAR AXLE RATIO
Rear Tires (094) CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile 488
Auxiliary Transmission (352)..... NO AUXILIARY TRANSMISSION
High Gear Ratio..... N/A
Low Gear Ratio..... N/A
Transfer Case (373)..... NO TRANSFER CASE
High Gear Ratio..... N/A
Low Gear Ratio..... N/A

TABLE SUMMARY - OPERATING SPEED

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

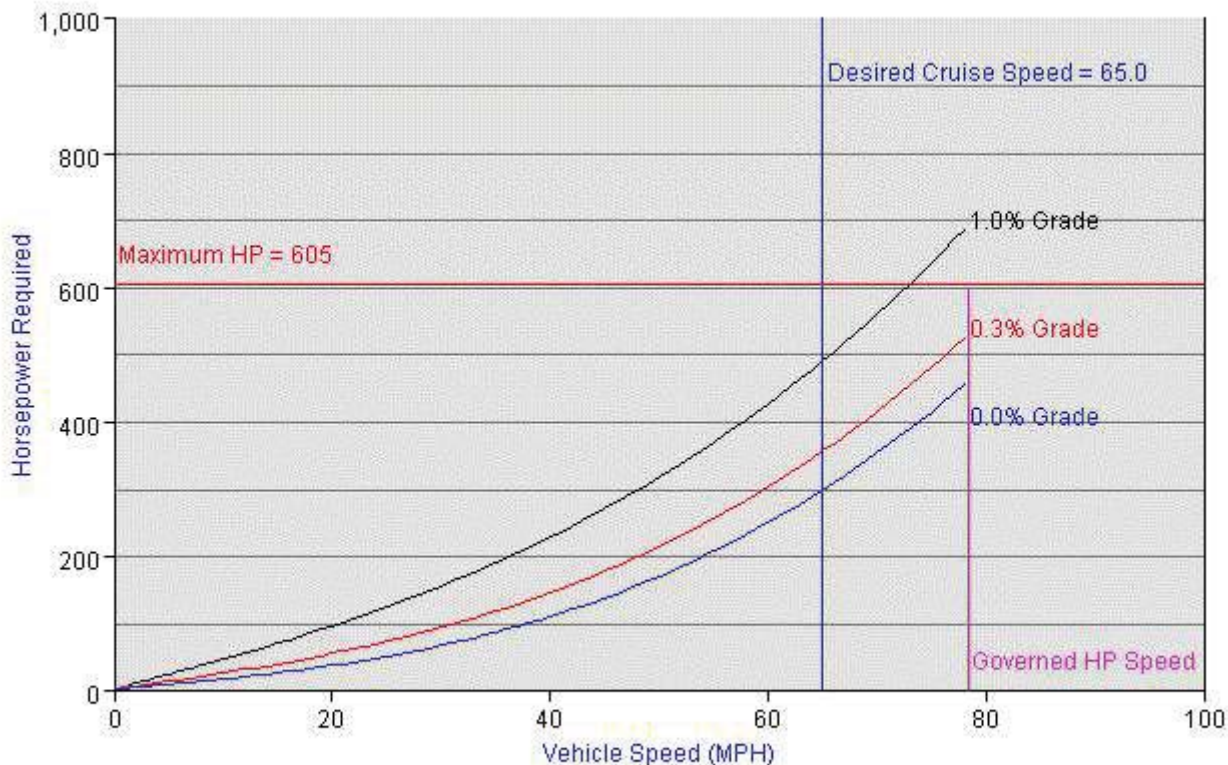
Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)
1	14.40	61.92	4.0
2	12.29	52.85	4.7
3	8.56	36.81	6.7
4	7.30	31.39	7.8
5	6.05	26.01	9.5
6	5.16	22.19	11.1
7	4.38	18.83	13.1
8	3.74	16.08	15.3
9	3.20	13.76	17.9
10	2.73	11.74	20.9
11	2.29	9.85	25.0
12	1.95	8.38	29.3
13	1.62	6.97	35.3
14	1.38	5.93	41.4
15	1.17	5.03	48.9
16	1.00	4.30	57.2
17	0.86	3.70	66.5
18	0.73	3.14	78.3
Desired Cruise Speed (mph)			65.0
Engine RPM			2000
Rear Axle Ratio			4.30
*Blue background represents value input by user.			

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

Prepared for:
 Rick Oborny
 Orange County Fire Authority
 One Fire Authority Rd
 Irvine, CA 90000
 Phone: 7145736651

Prepared by:
 James Blakely
 LOS ANGELES FTL - WST
 2429 PECK ROAD
 WHITTIER, CA 90601
 Phone: 714-357-0024

S P E E D A B I L I T Y



VEHICLE SPECIFICATIONS SUMMARY - SPEEDABILITY

Model	4900SB
Cab Size (829).....	123 INCH BBC STEEL CONVENTIONAL CAB
Desired Cruise Speed (mph)	65.0
Expected Front Axle(s) Load (lbs).....	20000.0
Expected Pusher Axle(s) Load (lbs).....	0.0

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

Expected Rear Axle(s) Load (lbs) 46000.0
Expected Tag Axle(s) Load (lbs) 0.0
Expected GVW (lbs) 66000
Expected GCW (lbs) 105000.0
Engine (101)..... CUM X15 605 @ 1950 RPM, 2000 GOV RPM, 2050 LB/FT @ 1150 RPM
 Governed RPM..... 2000
 HP at Governed RPM 596
 RPM at Max HP 1800
 Max HP 605
 HP at Governed RPM (High Torque)..... 596
 RPM at Max HP (High Torque) 1800
 Max HP (High Torque)..... 605
 Multi-torque..... NO
Transmission (342)..... EATON FULLER RTLO-20918B TRANSMISSION
Rear Axle (420) RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
 Number of Speeds..... 1
 Rear Axle Gear Ratio(s)..... 4.30 REAR AXLE RATIO
Rear Tires (094) CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
 Revolutions per Mile 488
 Trailer Width (in) 102.0
Trailer Height (ground to top) (ft)..... 13.5
Body Width (in) 0.0
Body Height (ground to top) (ft)..... 6.0
Roof Mounted Aero Device (784)..... NO AIR SHIELD OR BRACKETS
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
Auxiliary Transmission (352)..... NO AUXILIARY TRANSMISSION
 High Gear Ratio N/A
 Low Gear Ratio..... N/A
Transfer Case (373)..... NO TRANSFER CASE
 High Gear Ratio N/A
 Low Gear Ratio..... N/A

TABLE SUMMARY - SPEEDABILITY



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

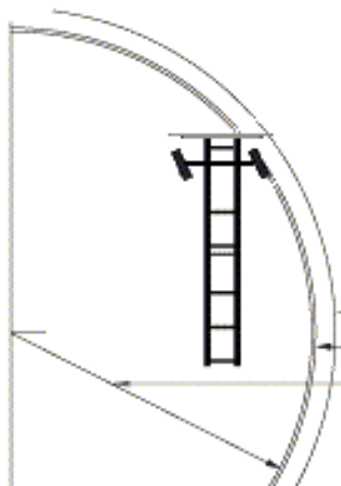
Top Gear Speedability	At Max Power Speed	At Desired Cruise Speed
Top Gear Vehicle Speed (mph)	70.5	65.0
Engine RPM	1800	1659
Gross Power Available (HP)	605	N/A
Power (HP) Required for:		
Level Road	361	300
0.3% Grade	423	357
1.0% Grade	568	491
*Blue background represents value input by user.		

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

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

TURNING RADIUS



Turning radius graphic and data provided for general estimate purposes only. For specific figures regarding your configuration, please contact your CAE representative.

	Left Turn	Right Turn	Tolerance
Wall to Wall Diameter (ft)	77.6	68.1	+/- 3.0
Curb to Curb Diameter (ft)	74.3	64.3	+/- 3.0
Turning Radius (ft)	36.6	31.7	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model 4900SB
Cab Size (829)..... 123 INCH BBC STEEL CONVENTIONAL CAB
Wheelbase (545)5275MM (208 INCH) WHEELBASE
Front Tires (093)..... CONTINENTAL CITY SERVICE HA3 315/80R22.5 20 PLY RADIAL FRONT TIRES
Width (in) 12.4
Front Axle (400)..... DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Kingpin Intersection (in) 71
Bumper (556)14 INCH TAPERED SWEEPBACK CHROMED STEEL BUMPER
Width (in) 97.6
Bumper Miter to Front Axle (in) 40.45
Primary Steering Location (003) LH PRIMARY STEERING LOCATION
Steering Gear (536)..... TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
Dual Steering Gear RCH45
Ram.....NONE
Rear Axle (420) RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Axle Spacing (624)55 INCH AXLE SPACING

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

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



Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

GVWR

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model 4900SB
Cab Size (829)..... 123 INCH BBC STEEL CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs)..... 20000.0
Expected Pusher Axle(s) Load (lbs)..... 0.0
Expected Rear Axle(s) Load (lbs) 46000.0
Expected Tag Axle(s) Load (lbs)..... 0.0
Expected GVW (lbs) 66000
Expected GCW (lbs) 105000.0
Front Axle (400)..... DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Front Suspension (620) 20,000# TAPERLEAF FRONT SUSPENSION
Front Hubs (418) CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
Front Disc Wheels (502) ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS
Front Tires (093) CONTINENTAL CITY SERVICE HA3 315/80R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402)..... WABCO MAXXUS 225 AIR DISC 23,000# FRONT BRAKES
Steering Gear (536)..... TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
Rear Axle (420) RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Rear Suspension (622)..... AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE
Rear Hubs (450) CONMET PRESET PLUS PREMIUM ALUMINUM REAR HUBS
Rear Disc Wheels (505)..... ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
Rear Tires (094) CONTINENTAL HDC1 11R22.5 16 PLY RADIAL REAR TIRES
Rear Brakes (423) MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443) NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626) NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449)..... NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509) NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095) NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456)..... NO PUSHER/TAG BRAKES

TABLE SUMMARY - GVWR

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

	Front	Rear 1	Rear 2
Axle Component Weight Ratings			
Axles	20000	23000	23000
Suspension	20000	23000	23000
Hubs	23000	23000	23000
Brakes	23000	24999	24999
Wheels	20000	29600	29600
Tires	20000	24020	24020
Power Steering	20000	N/A	N/A
GAWR (per axle)	20000	23000	23000
GAWR (per axle system)	20000		46000
Expected Load (per axle system)	20000		46000
Vehicle GVWR Summary			
Calculated GVWR	66000		
Expected GVWR	66000		
All weights displayed in pounds			

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

Prepared for:
Rick Oborny
Orange County Fire Authority
One Fire Authority Rd
Irvine, CA 90000
Phone: 7145736651

Prepared by:
James Blakely
LOS ANGELES FTL - WST
2429 PECK ROAD
WHITTIER, CA 90601
Phone: 714-357-0024

FRAME RBM

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545)5275MM (208 INCH) WHEELBASE
Frame Rails (546).....3/8X3-7/8X11-5/8 INCH STEEL FRAME 120KSI(546)
Yield Strength (psi) 120000
Section Modulus (per rail) (cu in) 21.7
RBM (per rail) (lbf-in) 2576000
Inner Frame Reinforcement (547)NO INNER FRAME REINFORCEMENT
Outer Frame Reinforcement (548) NO OUTER FRAME REINFORCEMENT

TABLE SUMMARY - FRAME RBM

Item	Description / Value
Wheelbase	5275MM (208 INCH) WHEELBASE
Frame	3/8X3-7/8X11-5/8 INCH STEEL FRAME 120KSI
Inner Frame Reinforcement	NO INNER FRAME REINFORCEMENT
Outer Frame Reinforcement	NO OUTER FRAME REINFORCEMENT
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	21.47
Frame RBM - per rail (lbf-in)	2576000

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



Serious trucks. For serious truckers.
Western Star Advantages





This study and document was completed by a third party company and is intended for the exclusive use of Western Star dealer personnel. The information and conclusions contained in this booklet relating to competitive products are believed to be accurate at the time of analysis and publication, but do not necessarily apply to other similar competitive vehicles containing different specifications and/or later dates of manufacture. While every effort was made to provide accurate and realistic comparisons, differently specified vehicles or vehicles manufactured subsequent to publication could yield different results.

WS/MC-B-298

12/15/08

KCM101

INTRODUCTION:

COMPETITIVE COMPARISON GUIDE—VOCATIONAL

The purpose of this guide is to provide Western Star Sales Professionals with an easy-to-use reference tool when comparing the Western Star 4900SA to the Kenworth T800 and the Peterbilt 367 products. The guide follows the traditional Western Star walk-around format to make it easier for you to showcase the advantages of the Western Star 4900SA with your valued customers. Good selling.



EXTERIOR: CAB

WESTERN STAR ADVANTAGES

- Durable high-strength cab for quiet, comfortable ride
- Welded construction for extended durability and strength

**WESTERN STAR
DAY CAB 4900SA**



**KENWORTH
DAY CAB T800**



**PETERBILT
DAY CAB 367**



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
CONSTRUCTION			
Cab material	<ul style="list-style-type: none"> • Conventional, frameless mono-body style • Durable, quiet galvanealed steel • Double-walled, spot-welded, stamped • Flexible, malleable, won't crack 	<ul style="list-style-type: none"> • Semi-monocoque aluminum • Huck-bolted • Exposed rivets may loosen over time • Fiberglass roof 	<ul style="list-style-type: none"> • Semi-monocoque aluminum • Huck-bolted • Exposed rivets may loosen over time
EXTERIOR DIMENSIONS			
A. First step, driver's side door*	22.75"	20.5"	19"
B. Second step, driver's side door*	17"	20.25"	16"
C. Cab entry, driver's side door*	17"	15.75"	19"
D. Bumper to back on cab (BOC)	123"	122.5"	123"
E. Bumper to front axle	49"	48.5"	48.5"

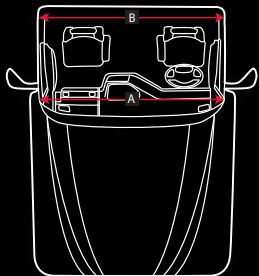
*Step height will vary depending on suspension choice



EXTERIOR: CAB CONTINUED

WESTERN STAR ADVANTAGES

- Rivetless construction for extended wear
- Broad cab construction—over 10" wider than competitive models at A and B pillars



**WESTERN STAR
4900SA**



**KENWORTH
T800**



**PETERBILT
367**



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
EXTERIOR DIMENSIONS			
A. A to A pillar	79.5"	64"	63"
B. B to B pillar	82.25"	72"	72"
FIREWALL			
Features	<ul style="list-style-type: none"> Reinforced steel Easy maintenance on air system, electrical, HVAC due to accessibility Superior noise and thermal insulation Superior driver/passenger crash protection 	<ul style="list-style-type: none"> Poor wiring Serviceability access Aluminum 	<ul style="list-style-type: none"> Poor wiring Serviceability access Aluminum
EXTERIOR PAINT			
Durability	<ul style="list-style-type: none"> 17-stage e-coat process (e-coat is electrostatic bonding of chemicals to metal) 350 degree curing process One color white PPG single stage standard 	<ul style="list-style-type: none"> One color Imron exterior paint standard 	<ul style="list-style-type: none"> Dupont single stage non-metallic paint, one color cab/hood standard

Notes:

EXTERIOR: HOOD, BUMPER, GRILLE AND OTHER COMPONENTS

WESTERN STAR ADVANTAGES

- Hood features blade alignment closure for increased stability
- Individually replaceable vertical bars in grille to minimize repair costs
- More exhaust routing options

**WESTERN STAR
4900SA**



Replaceable vertical grille bars

**KENWORTH
T800**



Non-replaceable grille bars

**PETERBILT
367**



Non-replaceable grille bars

	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
BUMPER			
Standard	<ul style="list-style-type: none"> • Steel plate, painted 	<ul style="list-style-type: none"> • Aerodynamic, painted 	<ul style="list-style-type: none"> • Steel, chromed
HOOD			
Standard hood	<ul style="list-style-type: none"> • Fiberglass, three-piece • Supervisibility hood with cab-mounted quarter-fenders 	<ul style="list-style-type: none"> • Metton, one-piece • Sloped 	<ul style="list-style-type: none"> • Fiberglass SBFA, three-piece
Hood features	<ul style="list-style-type: none"> • Spring assisted, full 90 degree tilt • “No doghouse” design allows for better engine accessibility • Adjustable with floating pins 	<ul style="list-style-type: none"> • Forward tilting • Spring assisted, 90 degree tilt 	<ul style="list-style-type: none"> • Spring assisted, 90 degree tilt • Single hood latch
Closure	<ul style="list-style-type: none"> • Blade alignment 	<ul style="list-style-type: none"> • Tubular alignment 	<ul style="list-style-type: none"> • Tubular alignment
Grille	<ul style="list-style-type: none"> • Hood-mounted aluminum • Individually replaceable vertical bars 	<ul style="list-style-type: none"> • Oversized aluminum • Internal or attachable bug screen 	<ul style="list-style-type: none"> • Oversized aluminum • Internal or attachable bug screen
EXHAUST			
Standard	<ul style="list-style-type: none"> • Chrome or stainless steel top of stack with ceramic coating to help dissipate heat • Many routing options 	<ul style="list-style-type: none"> • Stack and pipe located next to step could be a safety concern • Diffuser at the top of stack overheats and whistles at high speed • No routing options 	<ul style="list-style-type: none"> • Minimal shielding on passenger side could be a safety concern • Zero clearance between passenger door swing and exhaust shield • Diffuser at the top of stack overheats and whistles at high speed • No routing options

EXTERIOR: WINDSHIELD AND WINDOWS

WESTERN STAR ADVANTAGES

- Windshield is wider than competitive models affording greater visibility
- Longest wipers for better coverage
- Better visibility than competitive models over center of hood and right side



2-piece windshield

**WESTERN STAR
4900SA**



2-piece windshield

**KENWORTH
T800**



2-piece windshield

**PETERBILT
367**



2-piece windshield

	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
WINDSHIELD			
Construction	<ul style="list-style-type: none"> • Two-piece bonded standard • Rope-in optional • Curved 	<ul style="list-style-type: none"> • One-piece with curved glass standard • Two-piece, roped in optional 	<ul style="list-style-type: none"> • Flat glass • Two-piece
Height of glass	25"	26.5"	20"
Upper width of windshield (2 pc.)	31.75"	28"	29.75"
Lower width of windshield (2 pc.)	34"	28"	29.75"
Width between 2 pc. glass	3"	1"	2"
Total glass area	1,578 sq. in.	1,484 sq. in.	1,190 sq. in.
WIPERS			
Parking position	• "Down" position	• "Up" position, blocks visibility	• "Down" position
Length of wiper blade	19.5"	15"	18"

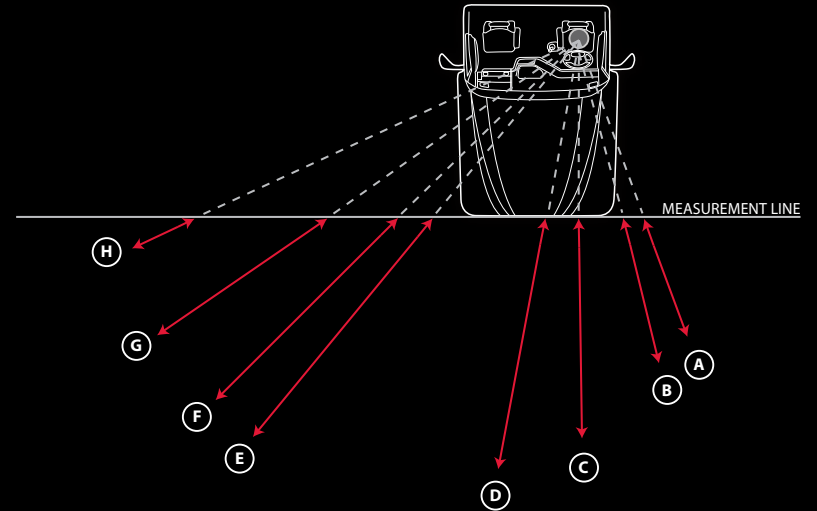
Notes:

EXTERIOR: WINDSHIELD AND WINDOWS CONTINUED



VIEWING LOCATION MEASUREMENT CRITERIA:

- Driver's seat located 34" from center of fuel pedal to inside of seat back
- Distance from cab floor to driver's eye 48"
- Distance measured from bumper to 3 ft. object



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
MEASURED VISIBILITY			
A. Left side — far edge of glass	28"	33"	40"
B. Left side — closest point near dash	57"	48.5"	69"
C. Straight ahead view	132"	65"	157"
D. View over center of hood	163"	78"	140"
E. View over right-hand corner	162"	88"	142"
F. View at wiper blade	125"	75"	137"
G. Right side — closest point near dash	152"	61"	57"
H. Right side — far edge of glass	126"	49"	27"
WINDOWS			
Side windows	• Manual both sides standard • RH or dual power optional	• RH power window controls standard	• RH power window controls standard
Rear cab window	• Fixed 17.5" x 35" tinted rear window	• Fixed 17" x 36"	• Fixed rear window flush mounted with standard tint
Rear cab corner window	• Not applicable	• Optional	• Optional

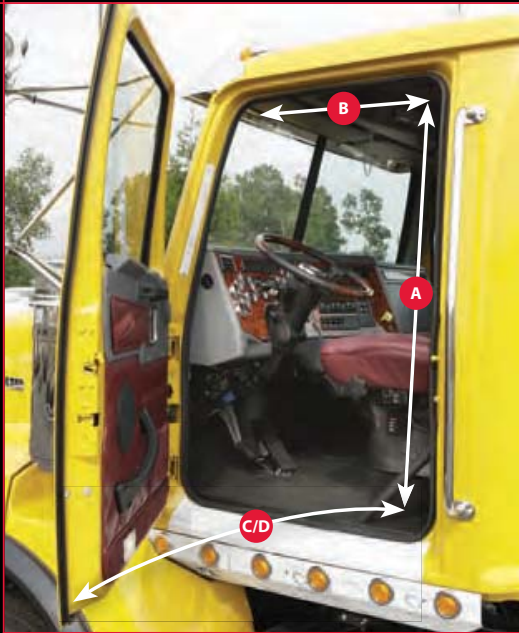
Note: 4900 SA used for measurements was equipped with 16,000 lb. front suspension and axle which may decrease visibility numbers (vs. 12,000 lb.)

EXTERIOR: DOORS

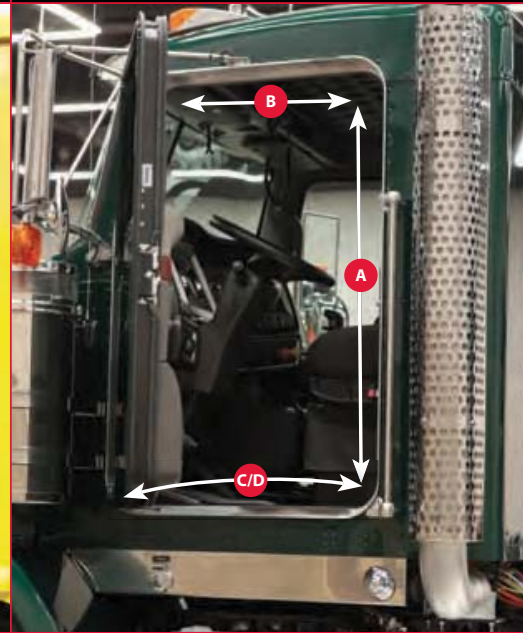
WESTERN STAR ADVANTAGES

- Vastly larger door opening than competitive models for increased comfort while entering and exiting cab

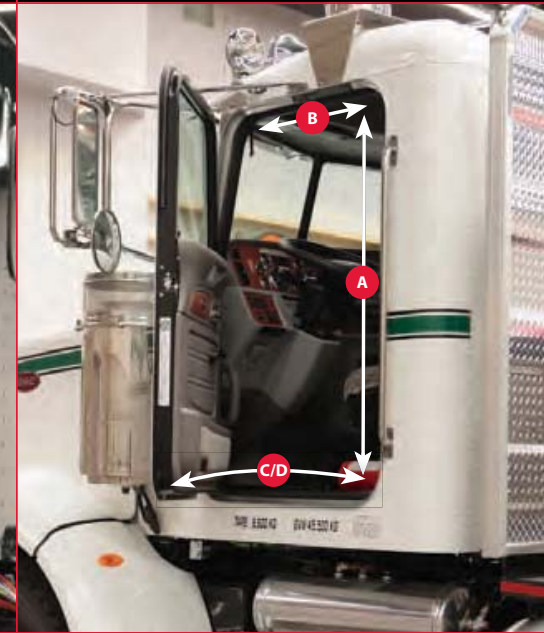
WESTERN STAR
4900SA



KENWORTH
T800



PETERBILT
367



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
CONSTRUCTION			
Material	• Steel	• Aluminum	• Aluminum
Seal	• Double-sealed • Door latch gasket	• Single gasket seal • No door latch gasket	• Single gasket seal • No door latch gasket
DIMENSIONS			
A. Driver's side height (dimension to outside of door)	56"	51.75"	53"
B. Driver's side width (dimension to outside of door)	39"	33.25"	34"
C. Driver's side latch to strike plate	39"	31"	35"
D. Driver's side latch to first obstacle	41"	31"	20"

Notes:

EXTERIOR: DOORS CONTINUED

WESTERN STAR ADVANTAGES

- Concealed steel hinges are not susceptible to weather and wear like competitive models' hinges
- Double-sealed doors keep noise, wind and cold outside

**WESTERN STAR
4900SA**



Concealed steel hinges

**KENWORTH
T800**



Open steel hinges

**PETERBILT
367**



Open steel hinges

	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
HINGES			
Construction	<ul style="list-style-type: none"> • High-strength, forged steel door hinges • Enclosed for a flush exterior surface • Proper alignment and long life • Adjustable 	<ul style="list-style-type: none"> • Stainless steel piano hinges • Exposed to elements • Susceptible to wear • Guide plates required on lower doorframe • Non-adjustable 	<ul style="list-style-type: none"> • Stainless steel piano hinges • Exposed to elements • Susceptible to wear • Guide plates required on lower doorframe • Non-adjustable
RIGHT DOOR			
Visibility window	• RH visibility window with Fresnel lens	• RH visibility window, no lens	• RH visibility window, no lens

Notes:

EXTERIOR: MIRRORS AND HEADLIGHTS

WESTERN STAR ADVANTAGES

- Western Star's broader cab allows for shorter, sturdier mirror brackets that minimize vibration
- Concealed mirror wiring reduces potential damage and exposure

**WESTERN STAR
4900SA**



**KENWORTH
T800**



**PETERBILT
367**



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
MIRRORS			
Size and type	<ul style="list-style-type: none"> • Prutsman • 7" x 16" • Includes 7.5" RH convex mirror 	<ul style="list-style-type: none"> • Prutsman • 7" x 16" • Includes 7.5" RH convex mirror 	<ul style="list-style-type: none"> • Stainless steel rear-view mirrors • 7" x 16" • Convex mirror over RH door and below each rear-view mirror
Mounting	<ul style="list-style-type: none"> • Cab mounted or door mounted • Concealed wiring 	<ul style="list-style-type: none"> • LH, RH fixed • Wider brackets vibrate and loosen over time • Cab mounted • Exposed wiring 	<ul style="list-style-type: none"> • Wider brackets vibrate and loosen over time • Exposed wiring
Heat	<ul style="list-style-type: none"> • Optional 	<ul style="list-style-type: none"> • Standard 	<ul style="list-style-type: none"> • Optional
Electric	<ul style="list-style-type: none"> • Two types available • Cab mounted, Lang Mekra, adjusting, convex built in with electric adjustment 	<ul style="list-style-type: none"> • Two types available 	<ul style="list-style-type: none"> • Two types available
HEADLIGHTS			
Standard	<ul style="list-style-type: none"> • Dual, rectangular • Halogen • Hood integrated 	<ul style="list-style-type: none"> • Dual, rectangular • Halogen • Hood integrated 	<ul style="list-style-type: none"> • Single or dual, pod mounted • Halogen

Notes:

INTERIOR: DASH, STEERING WHEEL AND FOOT CONTROLS

WESTERN STAR ADVANTAGES

- Luxurious, comfortable interior with quality finishes
- More spacious than competitive models
- Convenient serviceability due to the hinged dash
- Steering wheel travel exceeds that of competitive models

**WESTERN STAR
4900SA**



**KENWORTH
T800**



**PETERBILT
367**



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
DASH			
Gauges	<ul style="list-style-type: none"> • Black bezel, back-lit, high quality gauges made in Switzerland, ergonomic layout, dome-style lense to reduce glare • Stainless and gold bezel optional 	<ul style="list-style-type: none"> • Back-lit gauges, ergonomic dash controls, automotive-style dash, flat lense 	<ul style="list-style-type: none"> • Satin burlwood instrument panel with back-lit, black bezel gauges, ergonomic dash controls, automotive-style dash, flat lense
Multiplexing options	<ul style="list-style-type: none"> • Full customization of gauge locations available— can be easily adjusted by driver • Easy to repair/replace due to easy access dash 	<ul style="list-style-type: none"> • Limited customization of gauge location 	<ul style="list-style-type: none"> • Limited customization of gauge location
Behind-dash access	<ul style="list-style-type: none"> • Dash has hinge across bottom and exposed screws for easier serviceability 	<ul style="list-style-type: none"> • No exposed screws or hinge 	<ul style="list-style-type: none"> • No exposed screws or hinge

Notes:

INTERIOR: DASH, STEERING WHEEL AND FOOT CONTROL CONTINUED

WESTERN STAR ADVANTAGES

- Generous foot well with suspended pedals for added safety

WESTERN STAR
4900SA



KENWORTH
T800



PETERBILT
367



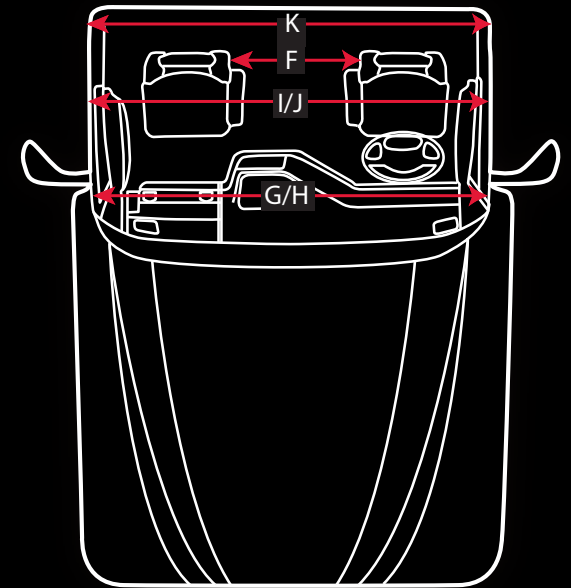
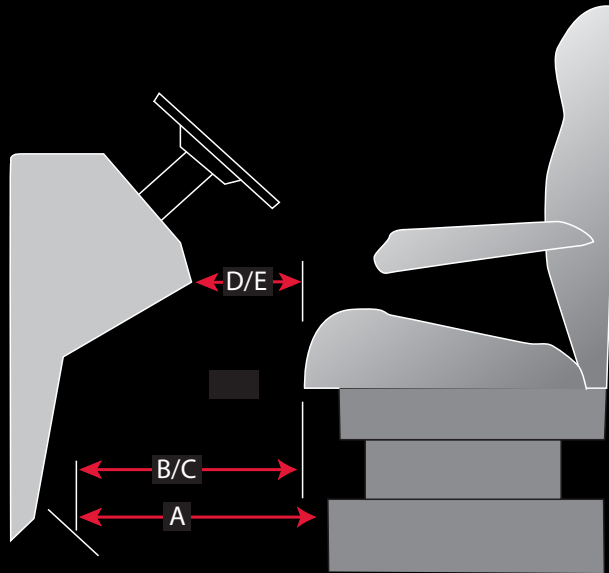
Kenworth and Peterbilt floor-mounted brake pedal susceptible to interference from dropped objects on floor

	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
STEERING WHEEL			
Telescopic steering wheel travel	4.25"	2.75"	2.75"
Wheel design	<ul style="list-style-type: none"> • 20", 2-spoke standard for better gauge visibility • 18" option, 20", leather and wood wrap options 	<ul style="list-style-type: none"> • 18", 4-spoke standard • Automotive style 	<ul style="list-style-type: none"> • 18" soft touch wheel standard • Automotive style
Steering shaft	<ul style="list-style-type: none"> • Spline placed inside the cab by reversing the shaft 	<ul style="list-style-type: none"> • Spline exposed under the hood 	<ul style="list-style-type: none"> • Spline exposed under the hood
U-joints	<ul style="list-style-type: none"> • Two joints 	<ul style="list-style-type: none"> • Three joints 	<ul style="list-style-type: none"> • Three joints
FOOT CONTROLS			
Foot well	<ul style="list-style-type: none"> • Suspended clutch and brake for added safety • Generous space in the foot well • Lighting in door • Integrated "dead" pedal 	<ul style="list-style-type: none"> • Clutch suspended, brake floor-mounted • Only 4" of space between clutch and door, driver must rest foot under clutch • Right foot has nowhere to go due to center console • Under dash floor lighting • Integrated "dead" pedal 	<ul style="list-style-type: none"> • Floor mounted • Integrated "dead" pedal • Foot well lighting

INTERIOR: DRIVING SPACE

WESTERN STAR ADVANTAGES

- The most spacious cab available with measurements exceeding those of competitive models in every category listed
- Generous leg and belly room for drivers of all sizes
- Wide center aisle
- Generous left side — arm not pressed against window



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
LEG, ELBOW AND BELLY ROOM			
A. Center of fuel pedal to seat base	23"	17"	14.75"
B. Center of fuel pedal to front of seat—forward	12.25"	11.75"	10.75"
C. Center of fuel pedal to front of seat—back	19.75"	18.75"	17.75"
D. Dashboard to front of seat cushion—seat forward	5"	4"	1"
E. Dashboard to front of seat cushion—seat back	13"	11.25"	8.25"
F. Distance between seat backs at mid-back level	31"	17"	16.25"
G. "A" pillar to "A" pillar—upper measurement at headliner	67.5"	57.75"	58.25"
H. "A" pillar to "A" pillar—lower measurement at dash	72"	57.25"	57.5"
I. Cab width at shoulder level—glass	79"	66.75"	68"
J. Cab width at hip level	76"	61.75"	62.5"
K. "B" to "B" pillar at mid level (top of dash height)	70"	64.25"	65"

INTERIOR: CLIMATE CONTROL, SEATS AND INTERIOR

WESTERN STAR ADVANTAGES

- Offers the greatest degree of forward and back seat travel to comfortably accommodate every driver
- Defroster outlets spread across the dash for improved function

**WESTERN STAR
4900SA**



**KENWORTH
T800**



**PETERBILT
367**



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
SEATS			
Driver	• Bostrom Talledega 915 High Back Air Suspension standard	• Air Cushion Plus standard	• Peterbilt UltraRide standard
Passenger	• Bostrom High Back Non-Suspension standard • Two-man passenger seat available	Kenworth steel toolbox, plus two-tone seat with foam padding	• Peterbilt UltraRide with storage department
SEAT TRAVEL			
Seat travel — forward and back	8"	7.25"	7.25"
Seat travel — up and down	6"	4"	7"
HVAC			
Standard	• Heater/defroster/air conditioning; cab • Radiator-mounted condenser	• Heater with integral defrosters/ air conditioning	• Combination fresh air heater/ air conditioner in cab with radiator-mounted condenser
Controls	• Ergonomically located higher	• Located in leg space	• Located in leg space

NOTE: THIS IS ALL BASED ON STANDARD CABS

CHASSIS

WESTERN STAR ADVANTAGES

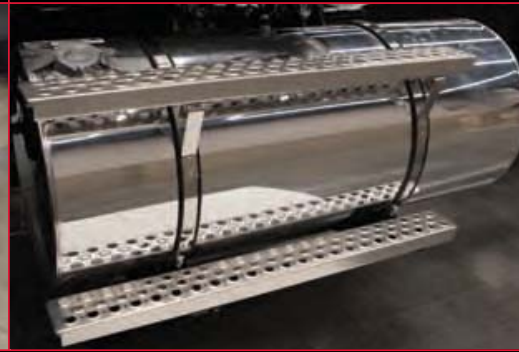
- Shot-peened construction and tubular cross structure for greater strength and durability
- Wide track axle provides exceptional turning capability
- Standard 4" fuel tank band reduces slippage

**WESTERN STAR
4900SA**



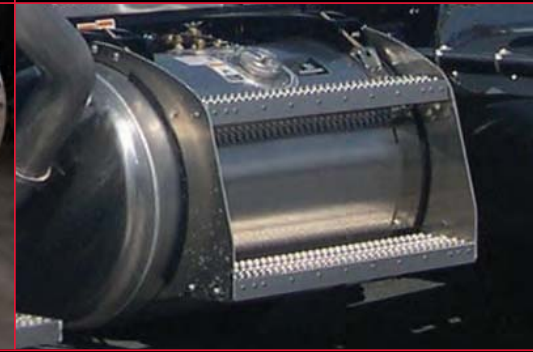
4" fuel tank band

**KENWORTH
T800**



2" fuel tank band

**PETERBILT
367**



2" fuel tank band

	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
FRAMES			
Durability	<ul style="list-style-type: none"> • Shot-peened to strengthen metal after holes/bolts inserted • Bolted (grade 8) 	<ul style="list-style-type: none"> • Not shot-peened • Huck-bolted 	<ul style="list-style-type: none"> • Not shot-peened • Huck-bolted
CROSS MEMBERS			
Construction	• Tubular cross structure and C-channel	• C-channel	• C-channel
FUEL TANKS			
Size	<ul style="list-style-type: none"> • 23" and 25" diameter available • Steel standard • Aluminum optional • 60 to 190 gallon • Up to 6 tanks 	• One 100 gallon, 24.5" diameter aluminum tank standard	<ul style="list-style-type: none"> • 20", 23" and 26" diameter available • Two 100 gallon 26" diameter aluminum fuel tanks standard
Bands	• Standard 4" fuel tank bands	• 2" straps prone to slippage in rough road conditions	• 2" stainless steel straps prone to slippage in rough road conditions
Brackets	• Underslung "J" brackets hold tank	• Strap-mounted bracket suspends tank, tank drops if strap breaks	• Strap-mounted bracket suspends tank, tank drops if strap breaks

UNDER HOOD

WESTERN STAR ADVANTAGES

- The largest radiator capacity in the industry
- Copper brass radiator core is more durable than competitors' aluminum
- P-clamps hold wires and air lines away from frame rail and prevent excessive wear

**WESTERN STAR
4900SA**



Detroit Diesel Series 60 (shown above)

**KENWORTH
T800**



Cummins ISX (shown above)

**PETERBILT
367**



Cummins ISX (shown above)

	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
RADIATOR			
Capacity	• Up to 1875 sq. in. frontal area	• Up to 1780 sq. in. frontal area	• Up to 1438 sq. in. frontal area
Core	• Aluminum standard • Optional copper brass radiator core ideal for severe duty applications and resistant to rust and vibration	• Bolted aluminum (like hwy. vehicles) and susceptible to damage from vibration	• Bolted aluminum (like hwy. vehicles) and susceptible to damage from vibration
ENGINE			
Capacity	• Up to 625 hp.	• Up to 600 hp	• Up to 600 hp
Mounting	• Nodal — rear engine support off transmission to frame — less vibration and harmonics	• Engine to frame	• Engine to frame
WIRING			
Wiring	• Utilizes p-clamps (brass/rubber) and bundle covers to keep wires away from rail and to avoid chaffing • Welded stand-offs for air piping and electrical • Optional piping down one rail and wiring down the other for easy maintenance	• No P-clamps • Wiring and plumbing bundled together and mounted high in frame	• No P-clamps

UNDER HOOD: SERVICEABILITY

WESTERN STAR ADVANTAGES

- Convenient breaker/fuse box location
- Hinged dash allows for convenient, quick access

**WESTERN STAR
4900SA**



**KENWORTH
T800**



**PETERBILT
367**



	WESTERN STAR 4900SA	KENWORTH T800	PETERBILT 367
CAB			
Mounting	<ul style="list-style-type: none"> Higher than KW or Pete for easier access to engine and cooling systems, air manifold, top-of-transmission service—better visibility, tubular front support 	<ul style="list-style-type: none"> Cab mounted close to frame reduces access to engine and cooling systems, air manifold, top-of-transmission service 	<ul style="list-style-type: none"> Cab mounted close to frame reduces access to engine and cooling systems, air manifold, top-of-transmission service
ENGINE			
Front mounted power take off	<ul style="list-style-type: none"> Goes under radiator due to increased cab height 	<ul style="list-style-type: none"> Goes through the radiator allowing for possible cooling issues 	<ul style="list-style-type: none"> Goes through the radiator allowing for possible cooling issues
BATTERY			
Box	<ul style="list-style-type: none"> Non-polished diamond plate aluminum cover, LH under cab standard Other mounting options available 	<ul style="list-style-type: none"> Aluminum parallel, polymer cover, LH under cab 	<ul style="list-style-type: none"> Aluminum battery box with non-slip step mounted LH under cab
Equipment	<ul style="list-style-type: none"> 12-volt maintenance-free batteries 	<ul style="list-style-type: none"> 12-volt maintenance-free batteries 	<ul style="list-style-type: none"> 12-volt dual-purpose batteries
FUSE BOX			
Location	<ul style="list-style-type: none"> Located left of glove box behind panel, removes with four Phillip screws from inside cab while seated on the passenger seat 	<ul style="list-style-type: none"> Located behind clutch pedal, driver must stand outside of truck to access, area is dark and unlit 	<ul style="list-style-type: none"> Located behind clutch pedal, driver must stand outside of truck to access, area is dark and unlit
DASH			
Access	<ul style="list-style-type: none"> Hinged dash with exposed screws provide easy access 	<ul style="list-style-type: none"> No exposed screws or hinge 	<ul style="list-style-type: none"> No exposed screws or hinge



EXTENDED COVERAGE



WESTERN STAR
EXTENDED COVERAGE

TRUCK COVERAGE 4 (TC4)

NOTES:

NOTE 1: There are four (4) different Truck Coverages. Each TC package builds on the previous package (i.e. TC2 includes TC1; TC3 includes TC 1 & 2; TC4 includes TC 1, 2 & 3). Towing Coverage and Axle Coverage are stand-alone coverages that would need to be added separately. ParkSmart Coverage is only available in combination with one (1) of the TC products or Climate Control in the same time and distance.

NOTE 2: Truck Coverage 4 is not an extension of the standard new vehicle warranty. For detailed information about specific components or components contained in each extended coverage system group, please email ASPHelp@daimler.com.

TRUCK COVERAGE 4 (TC4)

WHAT IS TRUCK COVERAGE?

Truck Coverage is the extended service coverage that progressively combines chassis components into increasingly more comprehensive packages. The least comprehensive package is Truck Coverage 1 (TC1), while the most comprehensive coverage is TC4. Those familiar with our engine coverage products will appreciate the ease of selling value with these progressive packages. Truck Coverage is designed with the customer in mind, and coverages are grouped as they are typically purchased today. Truck Coverage 4 (TC4) is the Extended Service Coverage that combines several chassis components into one product. TC4 is the most comprehensive Extended Service Coverage offered and is the only TC to include Detroit Assurance Extended Coverage.

WHERE DID THIS PRODUCT ORIGINATE?

Truck Coverage came from an Aftermarket Service Products (ASP) initiative to make chassis coverage easier to understand and sell. This product structure was designed to emulate our Engine Coverage (EW1-EW4). www.aftermarketserviceproducts.com

Truck Coverage 4 Inclusions:

Truck Coverage 4 is a unique and distinctive product that provides extended coverage for specific, factory-installed components including:

- Starter
- Alternator
- ATS/Emissions

Select components* of the following systems:

- Steering
- Cab/Hood
- Wiring
- Cooling System
- Climate Control (HVAC)
- Suspension
- Charging System
- Cranking System
- Ignition System
- Air Intake System
- Electrical Accessories
- Exhaust System
- Supplemental Info Devices
- Instruments
- Braking System
- Lighting System
- Fuel System
- Instruments and Gauges
- Hydraulic Systems
- General Accessories
- Drive Shafts
- Charge Air Cooler
- Transfer Case Mounts

*May not include the component itself.

(Example: Transfer Case Mounting is included while the Transfer Case itself is excluded.)

Truck Coverage 4 Exclusions:

- Parksmart
- Batteries
- Appliances
- Personal Electronics
- Transfer Case
- Tires
- Paint
- Brightwork
- Engine
- Axles
- Axle Seals
- Transmission
- Clutch
- Towing

Only covers specific, factory-installed components.

For a detailed list of exclusions, please refer to the Truck Coverage 4 exclusions list posted on the ASP website www.aftermarketserviceproducts.com.



EXTENDED COVERAGE



WESTERN STAR®
EXTENDED COVERAGE

DETROIT ASSURANCE EXTENDED SERVICE COVERAGE

INCLUDED WITHIN TC4
TRUCK EXTENDED COVERAGE

NOTES:

Truck Coverage 4 with Detroit Assurance is not an extension of standard new vehicle base warranty. For detailed information about specific components or components contained in each extended coverage system group, please email ASPHelp@daimler.com.

TRUCK COVERAGE 4 (TC4)

WHY IS DETROIT ASSURANCE DESCRIBED DIFFERENTLY THAN THE OTHER FOUR TRUCK COVERAGE SYSTEMS?

The Detroit Assurance system has unique aspects and more variables than other comparable systems. Therefore, more details are required to describe the coverage.

Detroit Assurance System Inclusions:

This product provides extended coverage for specific factory-installed components* including:

- Radar Sensor
- Camera
- VRDU Controller

*May not include the component itself.

(Example: Axle system parts are included while the Axle itself is excluded.)

Detroit Assurance does **not** include connecting components to the vehicle or mating systems.

Detroit Assurance System Exclusions:

Does not cover:

- Damage caused by towing, transit by transporter, tie straps, tie downs, wraps.
- Camera remounts due to damage to the windshield or windshield replacement are not covered.
- Replacement cameras not installed using the service template voids all extended coverage for Detroit Assurance.
- Damage due to accident, neglect or abuse in which the components are damaged and repaired must be done to OE specifications. Any reinstall performed otherwise will be void of Extended Coverage.
- Detroit Assurance components that are moved, modified or altered outside of the OE specification voids all extended coverage.
- Extended Coverage does not cover progressive damage to involved vehicles, persons or property caused by a vehicle equipped with Detroit Assurance.
- Detroit Assurance is a collision mitigation system. Extended Coverage does not cover mitigation damage of any kind.
- Detroit Assurance system resets due to driver abuse, intentional demonstration or otherwise is not covered under this coverage. Resets are not covered under Extended Coverage.
- This product only covers specific factory installed components.
- For a detailed list of exclusions, please refer to the Detroit Assurance exclusions list posted on the ASP website www.aftermarketproducts.com.
- Failure to read or distribute this information does not provide exemption from compliance with the information contained herein.

Please see the product matrix on the next page for coverage comparisons.



TRUCK COVERAGE COMPARISONS

TC1 (Base)	TC2	TC3	TC4 (Premium)
FRONT SUSPENSION	FRONT SUSPENSION	FRONT SUSPENSION	FRONT SUSPENSION
REAR SUSPENSION	REAR SUSPENSION	REAR SUSPENSION	REAR SUSPENSION
AIR INTAKE SYSTEM	AIR INTAKE SYSTEM	AIR INTAKE SYSTEM	AIR INTAKE SYSTEM
IGNITION SYSTEM	IGNITION SYSTEM	IGNITION SYSTEM	IGNITION SYSTEM
CHARGING SYSTEM	CHARGING SYSTEM	CHARGING SYSTEM	CHARGING SYSTEM
CRANKING SYSTEM	CRANKING SYSTEM	CRANKING SYSTEM	CRANKING SYSTEM
CHARGE AIR COOLER	CHARGE AIR COOLER	CHARGE AIR COOLER	CHARGE AIR COOLER
CLIMATE CONTROL	CLIMATE CONTROL	CLIMATE CONTROL	CLIMATE CONTROL
COOLING	COOLING	COOLING	COOLING
DRIVE SHAFTS	DRIVE SHAFTS	DRIVE SHAFTS	DRIVE SHAFTS
BRAKING SYSTEM	BRAKING SYSTEM	BRAKING SYSTEM	BRAKING SYSTEM
WIRING	WIRING	WIRING	WIRING
FUEL SYSTEM	FUEL SYSTEM	FUEL SYSTEM	FUEL SYSTEM
STEERING	STEERING	STEERING	STEERING
EXHAUST SYSTEM	EXHAUST SYSTEM	EXHAUST SYSTEM	EXHAUST SYSTEM
ATS/EMISSIONS	ATS/EMISSIONS	ATS/EMISSIONS	ATS/EMISSIONS
SUPPLEMENTAL INFO DEVICES	SUPPLEMENTAL INFO DEVICES	SUPPLEMENTAL INFO DEVICES	SUPPLEMENTAL INFO DEVICES
CAB & HOOD	CAB & HOOD	CAB & HOOD	CAB & HOOD
INSTRUMENTS & GAUGES	INSTRUMENTS & GAUGES	INSTRUMENTS & GAUGES	INSTRUMENTS & GAUGES
TRANSFER CASE MOUNTS	TRANSFER CASE MOUNTS	TRANSFER CASE MOUNTS	TRANSFER CASE MOUNTS



EXPERIENCE A HIGHER STANDARD



THINK ABOUT THE TYPICAL SERVICE EXPERIENCE

Are your trucks back on the road in a timely manner?

How is the communication?

How consistent is the service?

Is the technician a trained professional?

Is the issue fixed correctly the first time?

Do you get your money's worth?



THE NEED FOR ELITE SUPPORT



ELITE SUPPORT NETWORK
EST. 2009



WHAT IS ELITE SUPPORT?

Freightliner® and Western Star® dealerships earning the Elite Support certification deliver unmatched customer service and efficiency every time a truck comes in for maintenance or repair



Certified

SOUTHERN CONNECTICUT FREIGHTLINER

Congratulations on becoming Elite Support Certified! Your commitment to a customer focused way of doing business and continuous improvement helps to improve the experience for your customers. You are leading the trucking industry with your innovative approach to making your dealership better every day.

First Certified: May 2014





Friedrich Baumann
Senior Vice President, Aftermarket
Daimler Trucks North America

Martin Osborne
GM, Distribution Network Development
Daimler Trucks North America

Bob Correll
GM, Service
Daimler Trucks North America

Jeff Wallis
GM, Parts Sales
Daimler Trucks North America

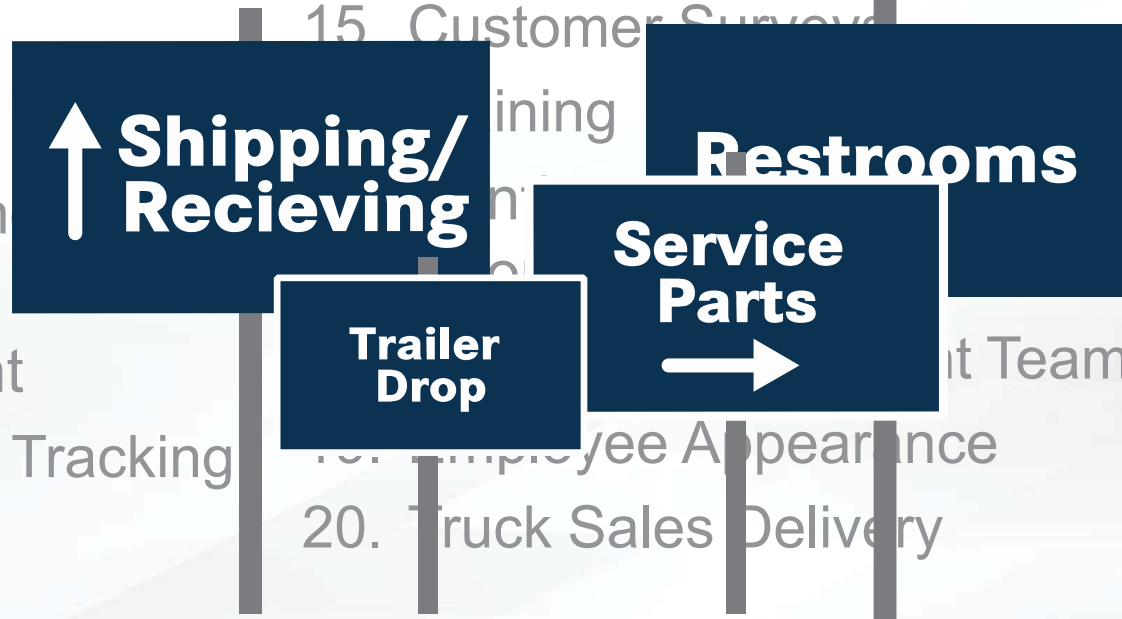
ELITE SUPPORT CRITERIA AREAS

- | | |
|---|--|
| 1. Customer Amenities | 11. Customer Updates |
| 2. Hours of Operation | 12. Back Counter Parts Availability |
| 3. Cleanliness | 13. 5S (Safety and Standardization Method) |
| 4. Customer Parking | 14. Quality / Comebacks |
| 5. Retail Parts Display | 15. Customer Surveys |
| 6. Signage  | 16.  g |
| 7. Web Site  | 17. Continuous Improvement Coordinator  |
| 8. Greeting and Customer Acknowledgement | 18. Change Management Team |
| 9. Express Assessment | 19. Employee Appearance |
| 10. Express Assessment Tracking and Reporting | 20. Truck Sales Delivery |



ELITE SUPPORT CRITERIA AREAS

1. Customer Amenities
2. Hours of Operation
3. Cleanliness
4. Customer Parking
5. Retail Parts Display
6. Signage
7. Web Site
8. Greeting and Customer Acknowledgement
9. Express Assessment
10. Express Assessment Tracking and Reporting
11. Customer Updates
12. Back Counter Parts Availability
13. 5S (Safety and Standardization Method)
14. Quality / Comebacks
15. Customer Surveys
16. Training
17. Restrooms
18. Service Parts
19. Team
20. Truck Sales Delivery





ELITE SUPPORT CRITERIA AREAS

1. Customer Amenities
2. Hours of Operation
3. Cleanliness
4. Customer Parking
5. Retail Parts Display
6. Signage
7. Web Site
8. Greeting and Customer Acknowledgement
9. Express Assessment
10. Express Assessment Tracking and Reporting
11. Customer Updates
12. Back Counter Parts Availability
13. 5S (Safety and Standardization Method)
14. Quality / Comebacks
15. Customer Surveys
16. Training
17. Continuous Improvement Coordinator
18. Change Management Team
19. Employee Appearance
20. Truck Sales Delivery

CUSTOMER CONCERN: COST





THE ELITE SUPPORT DIFFERENCE: BETTER VALUE

- Highly trained technicians
- Investment in facilities and equipment
- Superior support from Freightliner and Western Star





CUSTOMER CONCERN: DOWNTIME



ALFREDO OCHOA

T.M.T. Industries, Shop Foreman



THE ELITE SUPPORT DIFFERENCE: FAST TURNAROUND

Express Assessment

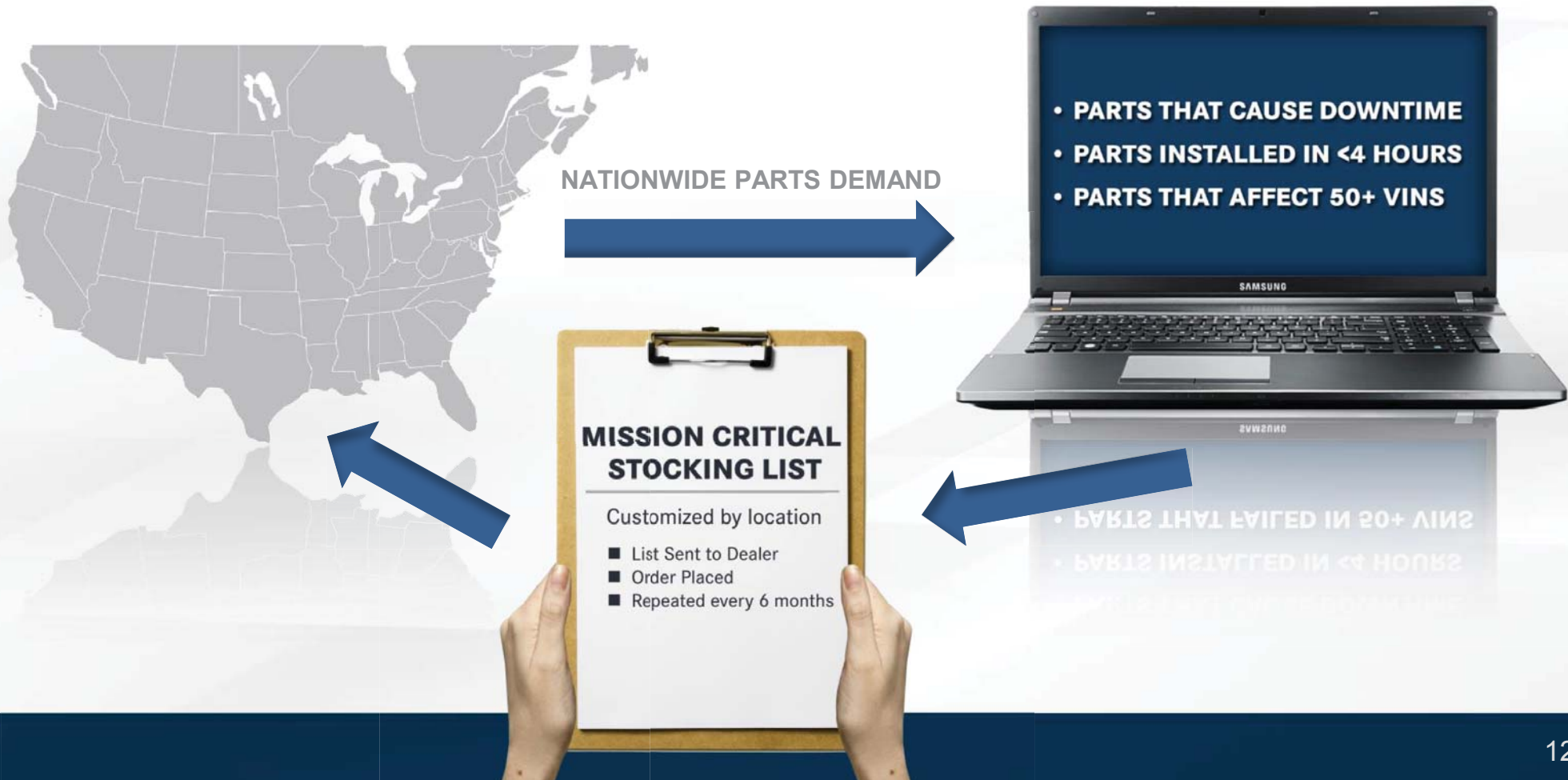
- Our commitment to provide a preliminary diagnosis and communication to the customer within two hours of arrival
- Accurate and timely communication



THE ELITE SUPPORT DIFFERENCE: FAST TURNAROUND

Mission Critical

- A data-driven stocking program that analyzes parts usage for each location to more effectively make parts available when customers need them
- Reduces downtime spent waiting for part



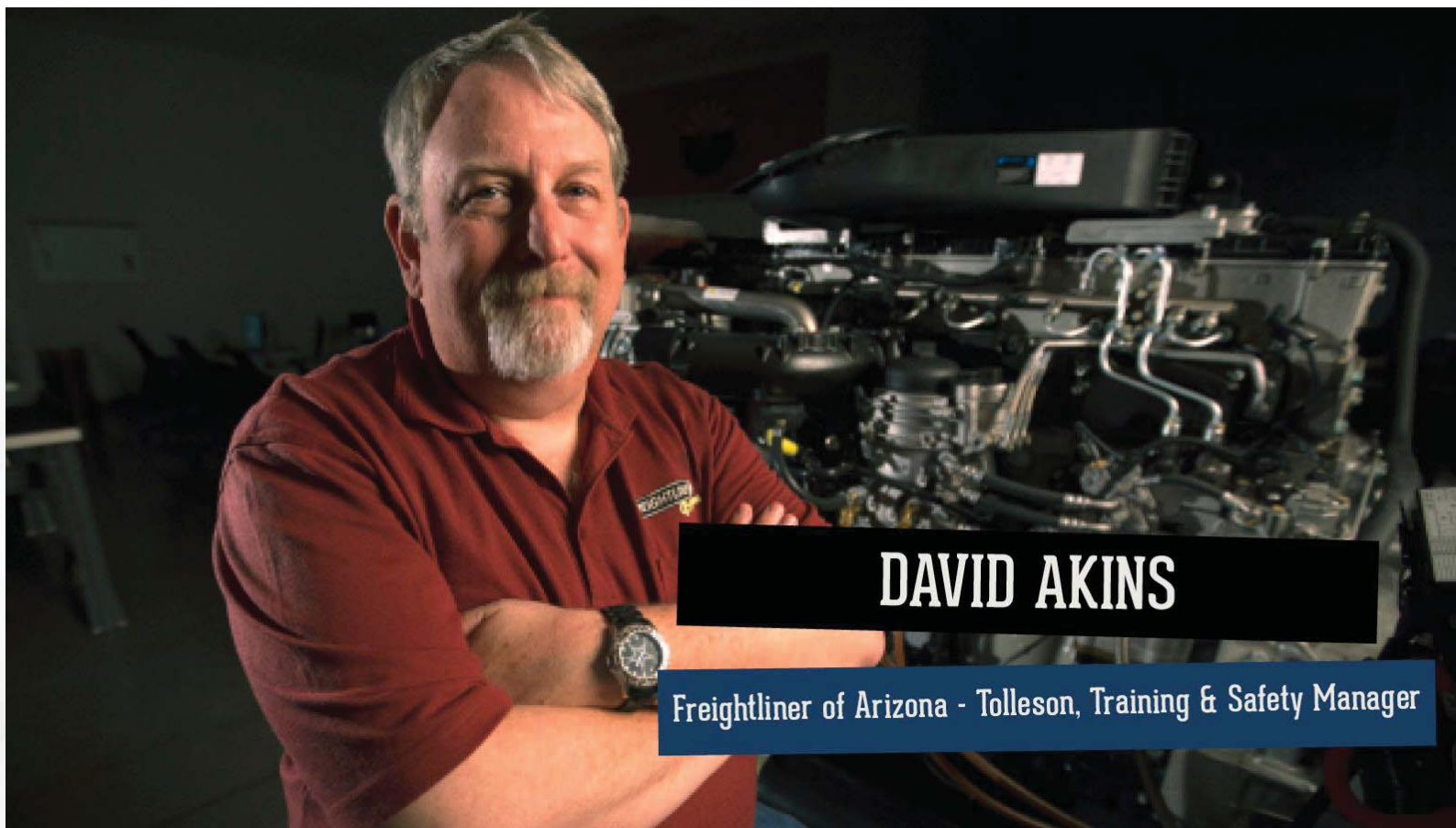
THE ELITE SUPPORT DIFFERENCE: FAST TURNAROUND

Efficient technician work stations

- Faster turnaround times
- Less time looking for tools
- Safer for personnel and vehicles



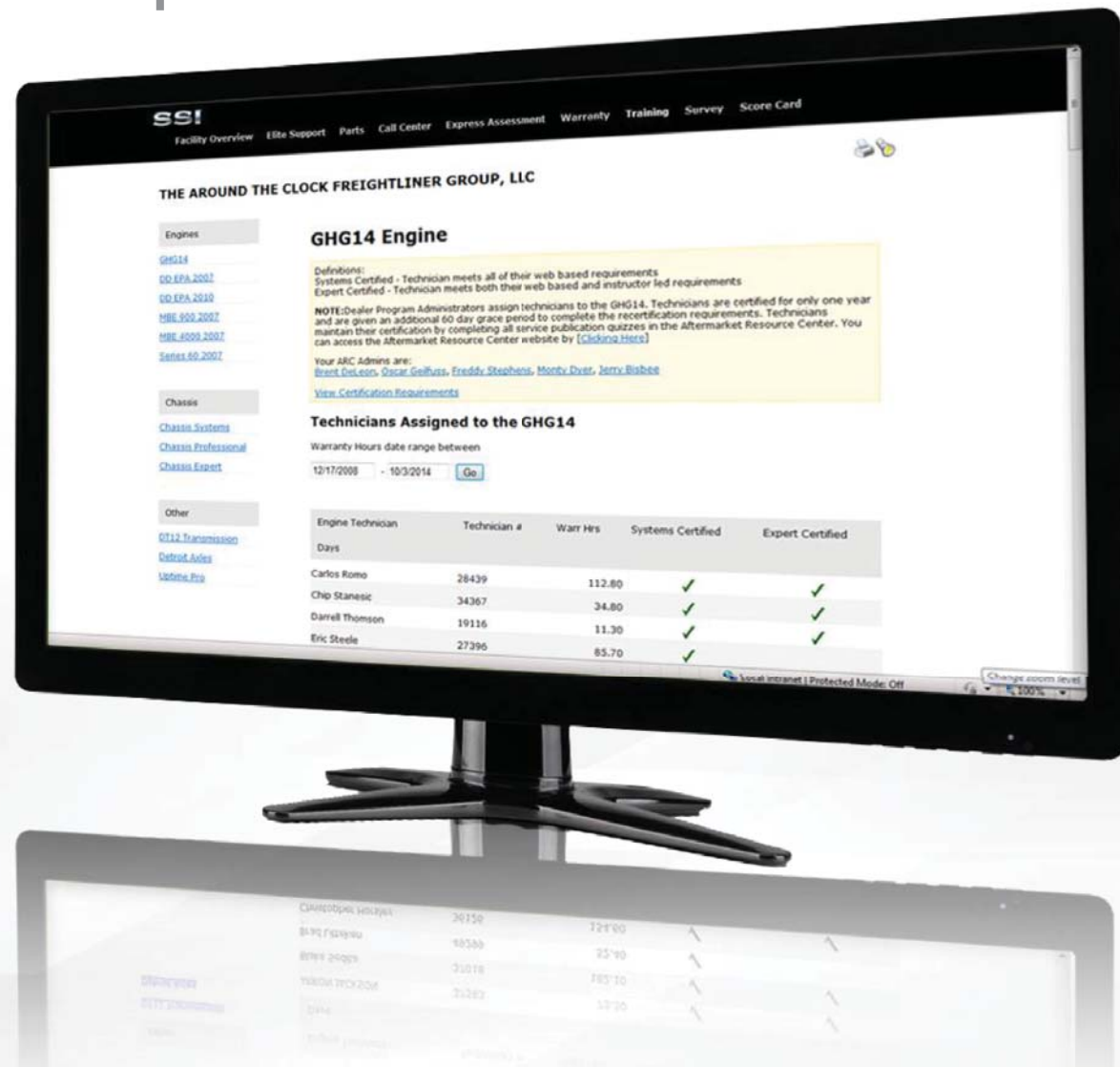
CUSTOMER CONCERN: POOR QUALITY





THE ELITE SUPPORT DIFFERENCE: SUPERIOR EXPERTISE

Formal training process keeps every tech up to date



CUSTOMER CONCERN: ABANDONMENT



ANDY ROTH

Dedicated Delivery Professionals, Inc., Co-Owner



THE ELITE SUPPORT DIFFERENCE: PERSONAL RELATIONSHIPS

Elite Support Certification requires a commitment to Continuous Improvement

- Every dealership employs a Continuous Improvement Coordinator focused on improving how each location operates



CUSTOMER CONCERN: CONSISTENCY





THE ELITE SUPPORT DIFFERENCE: CONTINUOUS IMPROVEMENT

The 9 Lean Principles

1 Take the long view — invest in tomorrow's profits today.	2 Go and see.	3 Imagine you were your customer.
4 Only empowered people produce powerful performance.	5 Share openly and borrow proudly.	6 Choose the process focus.
7 Learn quickly from triumphs and from tragedies.	8 Respect, support and challenge your partners and suppliers.	9 Keep it simple!



THE ELITE SUPPORT DIFFERENCE: CONTINUOUS IMPROVEMENT

Dealerships identify and initiate their own Continuous Improvement projects

Continuous Improvement Event Summary - Quarterly				
Date Completed	Dealership Code	Team Lead	Team Members	Event Name
Mar 28, 2014				Foreman Repair Order Process
Problem Statement		Goal Statement		
Our shop is large enough that multiple foreman are needed to help organized and manage the repair process. Currently, customer communication and updates are handled on an as needed basis.		Our goal is to improve customer communication by creating a systematic way to organize and track customer communication. At a minimum, we want every customer to be called at a minimum once per day.		
Root Causes		Corrective Actions	Verification of Corrective Actions	
On average, our facility has around 75-100 open repair orders at a time. Without a formal way to organize and manage customer communication, customer were not always being updated. All customer communication is handled through the foreman's office through 3 day shift foreman. It is important that this communication be efficient because if every phone call lasts 15 minutes, that means the entire shift of all foreman and filled with time for nothing else but customer updates.		<p>We organized the communication to regular intervals. One foreman is responsible for dispatching work, one for estimates, and one for closing repair orders. During each major stage, the customer is updated.</p> <p>A communication board is hung in the foreman's office. As each repair enters the shop, the updates are divided between the 3 foreman. It serves as a visual reminder of who needs to be updated and the status of the repair underway.</p>	The communication board and repair process chart has helped organize the repair process. It makes it clear who to route phone calls to when a customer needs to be updated. It helps make the customer updates more efficient without duplicating efforts.	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Before CI Event</p>  </div> <div style="width: 45%;"> <p>After CI Event</p>  </div> </div>				
Estimated Benefit to Dealership (Value Add)		Estimated Benefit to Customer		
Annual \$\$\$ Benefit to Dealership (Reduction in cost or increased Revenue)	\$11,520.00	The time saving is estimate at 20 minutes per foreman per day.		
Lessons Learned and Other Non-Monetary Benefits	The communication board has helped with the transition between day and night shifts. The visual indicators serve as reminders of customers that still need to be updated.	Customer Satisfaction And Feedback Observed		
		It is always appreciated when customer's comment at the end of the repair how good our communication was during the repair process.		



THE ELITE SUPPORT DIFFERENCE: CONTINUOUS IMPROVEMENT

Customer surveys are required and suggestions are often implemented

Elite Support dealers are recertified annually to ensure a consistent experience across the network

Spot checks throughout the year ensure quality





179 CERTIFIED DEALERS 91 Dealers in Process



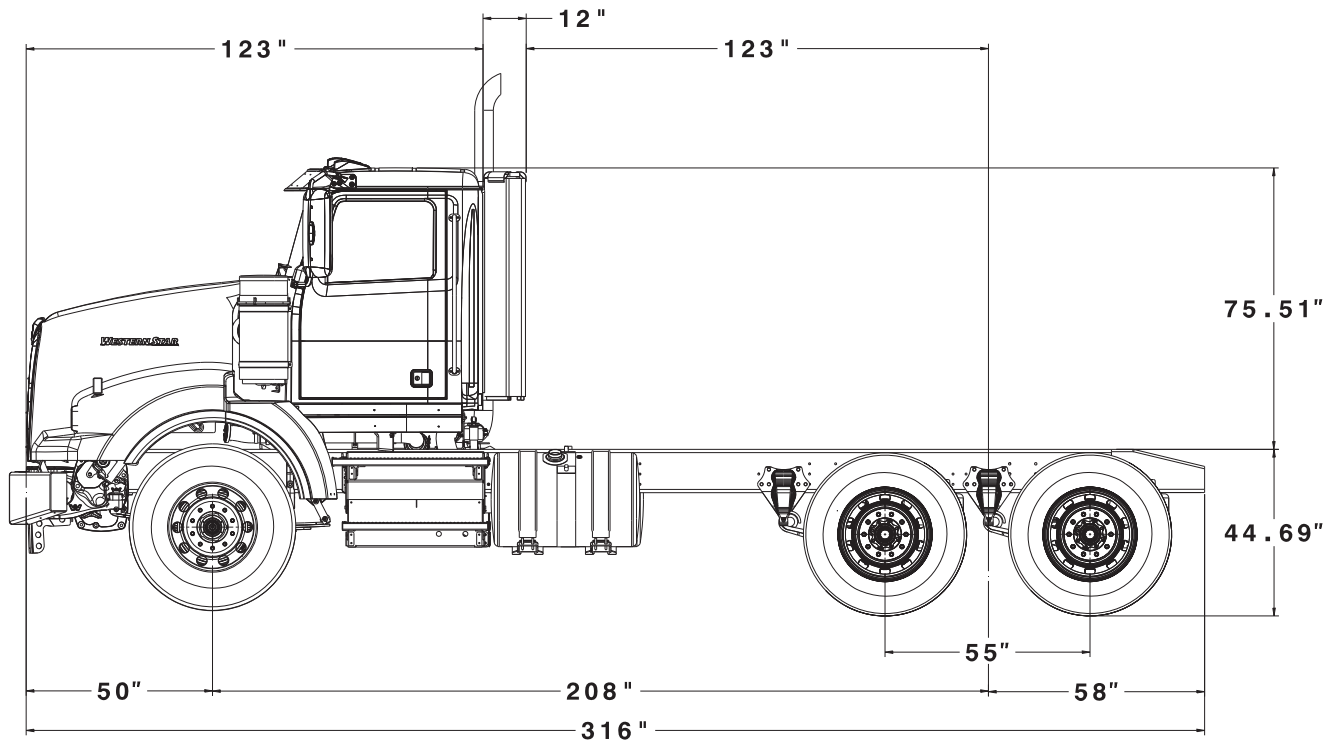
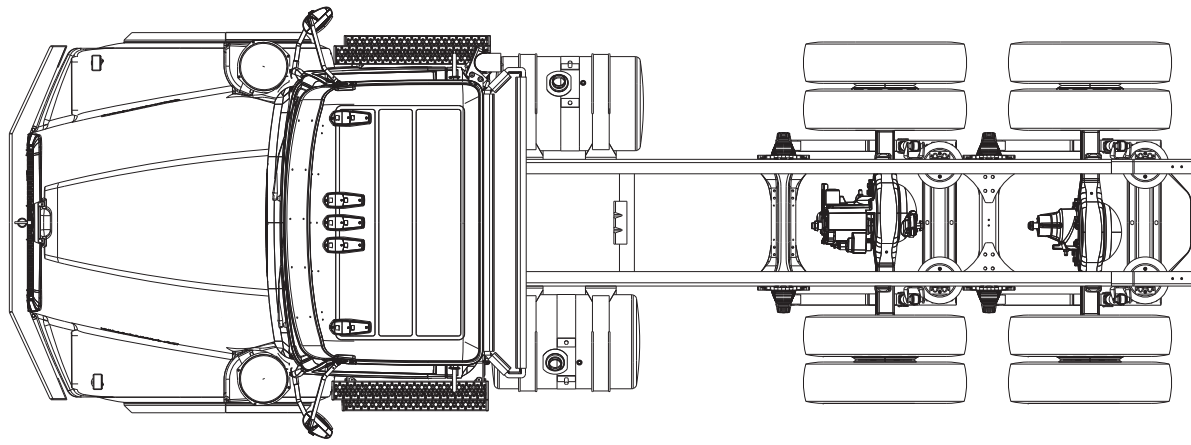
WHAT OUR CUSTOMERS ARE SAYING





THANK YOU

To Experience a Higher Standard, visit EliteSupportNetwork.com



Note: Fuel tanks shown not specific to bid

8

7

6

5

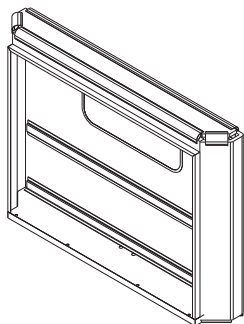
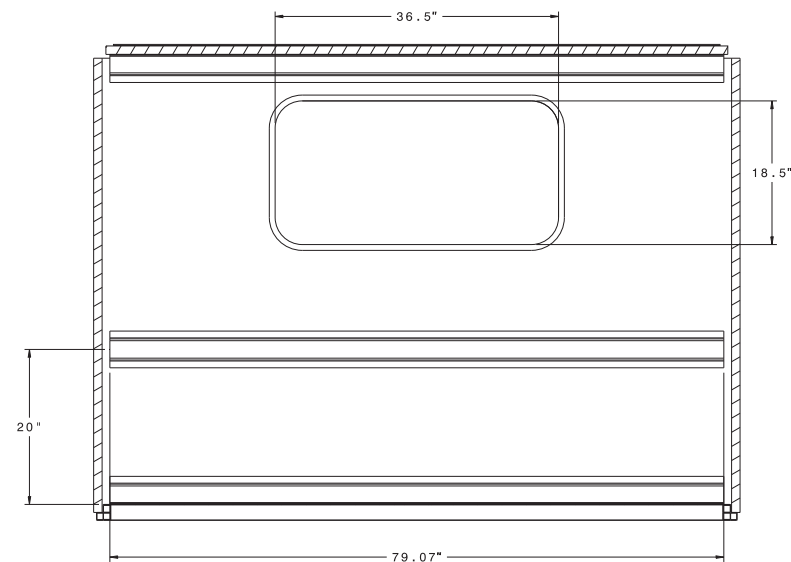
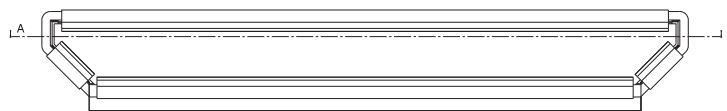
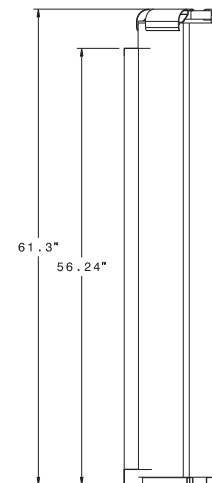
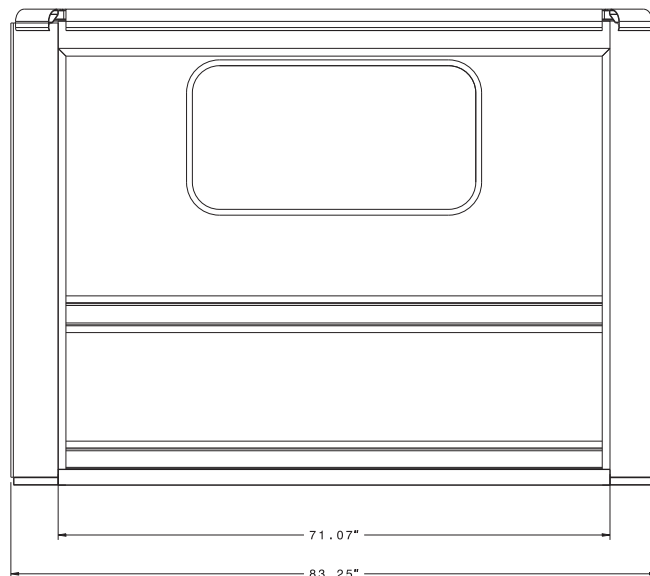
4

3

2

1

RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPRO
	A		HEIGHT: 48" 18" ADDED WINDOW, UPDATED BACK CORNER.	MJT	03/07/18	MJT

**ISOMETRIC VIEW****SECTION VIEW A-A****VECTOR TRUCK
DESIGNS INC.**

THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY TO VECTOR TRUCK DESIGNS AND SHALL NOT BE COPIED, REPRODUCED, DISCLOSED, PUBLISHED, OR USED FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN PERMISSION OF VECTOR

INTERNAL APPROVAL	DATE	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.3M-1994, WITH EXCEPTIONS PER THE CAD HANDBOOK C3072.	THIRD ANGLE PROJECTION	UNITS OF MEASURE IN
N/A	12/15/17			
DRAWN BY M. TOEWS	DATE 12/19/17			
CHECKED BY M. TOEWS	DATE 12/19/17			
RESPONSIBLE ENGINEER M. TOEWS	DATE 12/19/17			

DESCRIPTION	12IN BACKPACK
SUPPLEMENTARY DESCRIPTION	WST 4700 CREW CAB
ITERATING NUMBER	12IN BACKPACK

REV LETTER
ASHEET NUMBER
1 OF 1

8

7

6

5

4

3

2

CAT1A V5 1 D-SIZE

Pictures shown with 4700 SB hood



Pictures shown with 4700 SB hood



Pictures shown with 4700 SB hood

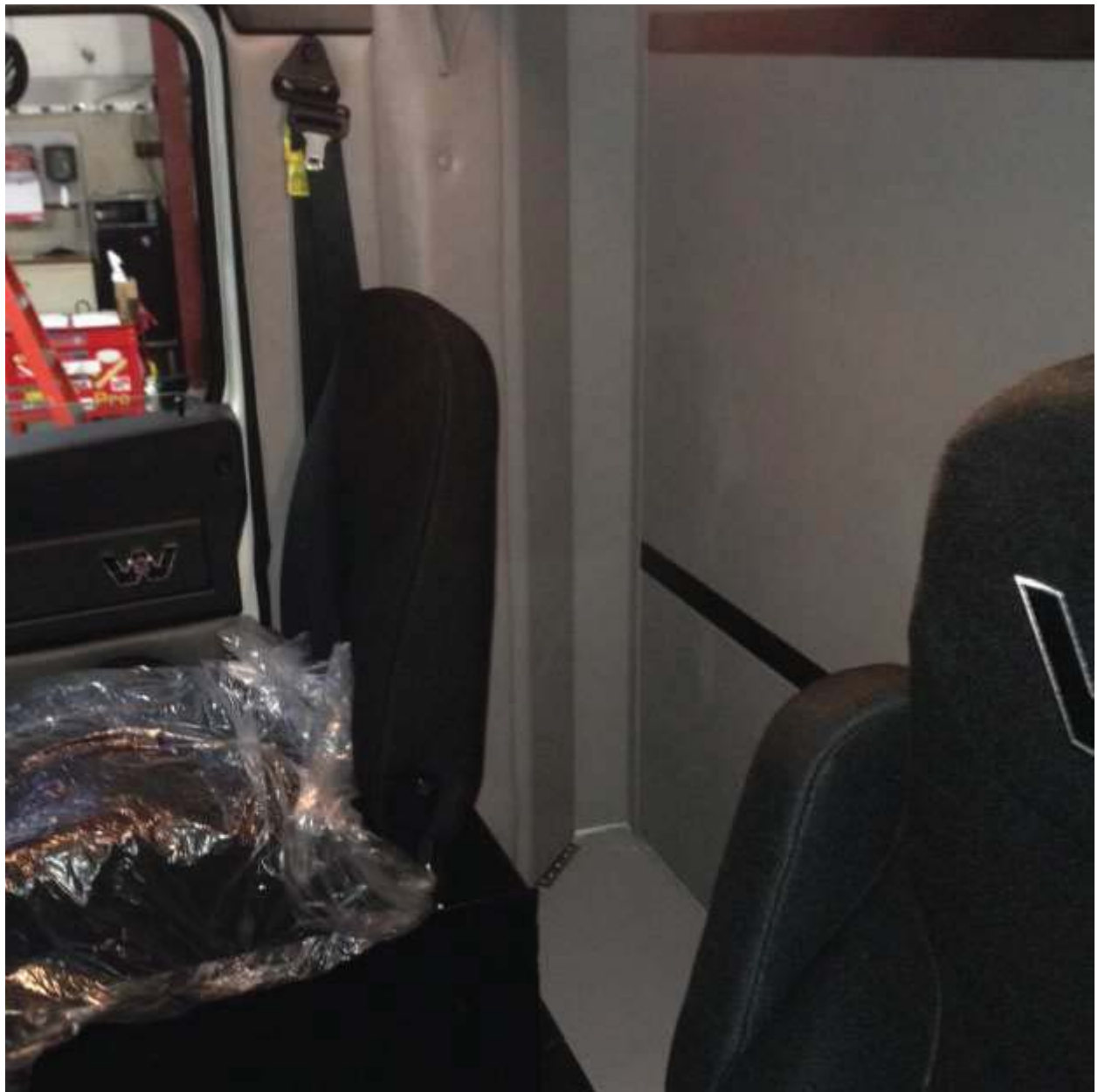
Minimal back of cab intrusion for
space provided, only adds apx 150#



Pictures shown with 4700 SB hood



Pictures shown with 4700 SB hood



Pictures shown with 4700 SB hood

Note full depth floor to ceiling space
For both seat recline and storage



Pictures shown with 4700 SB hood

12" back pack shown with optional
Shelves and work station







12" Backpack



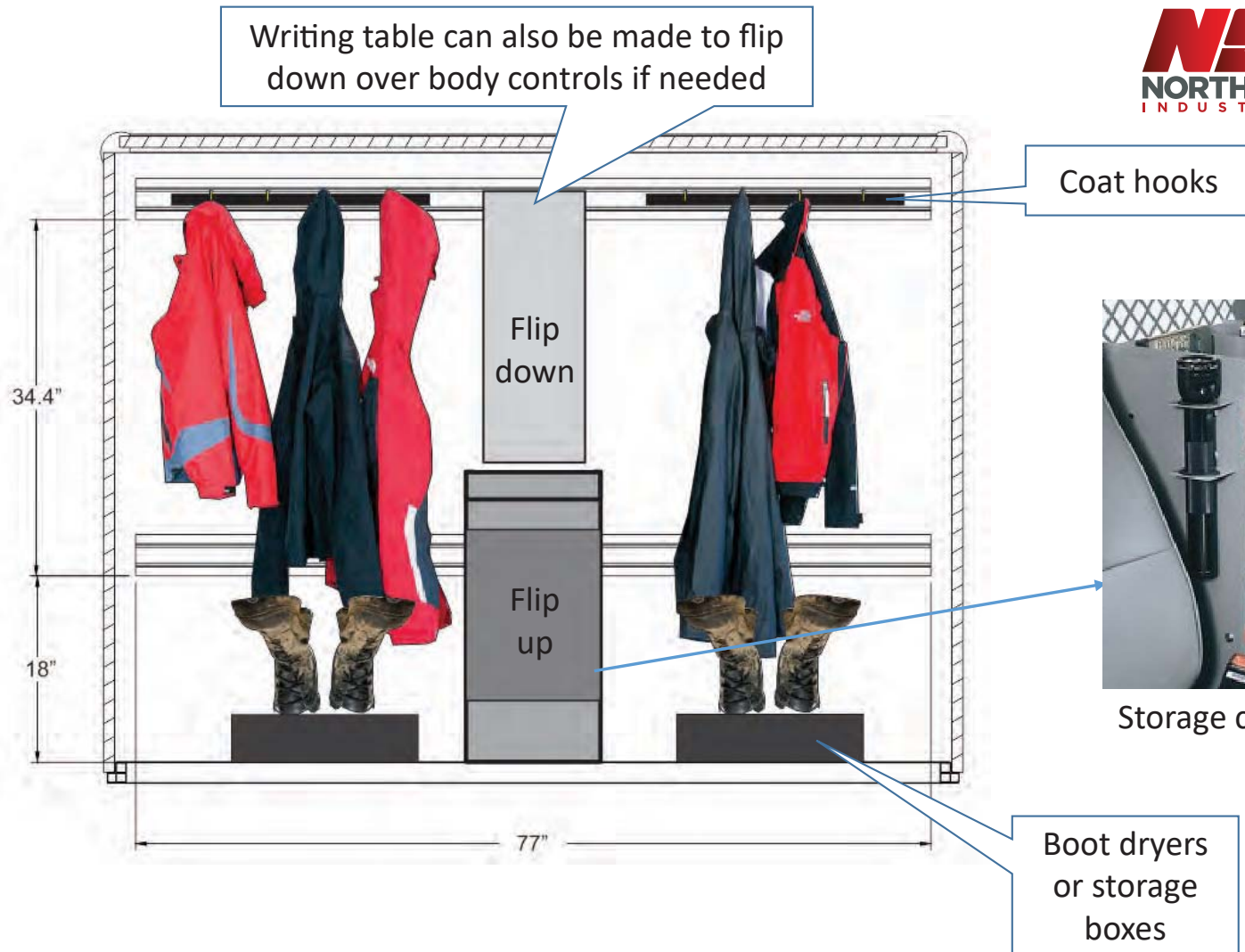
36" Backpack



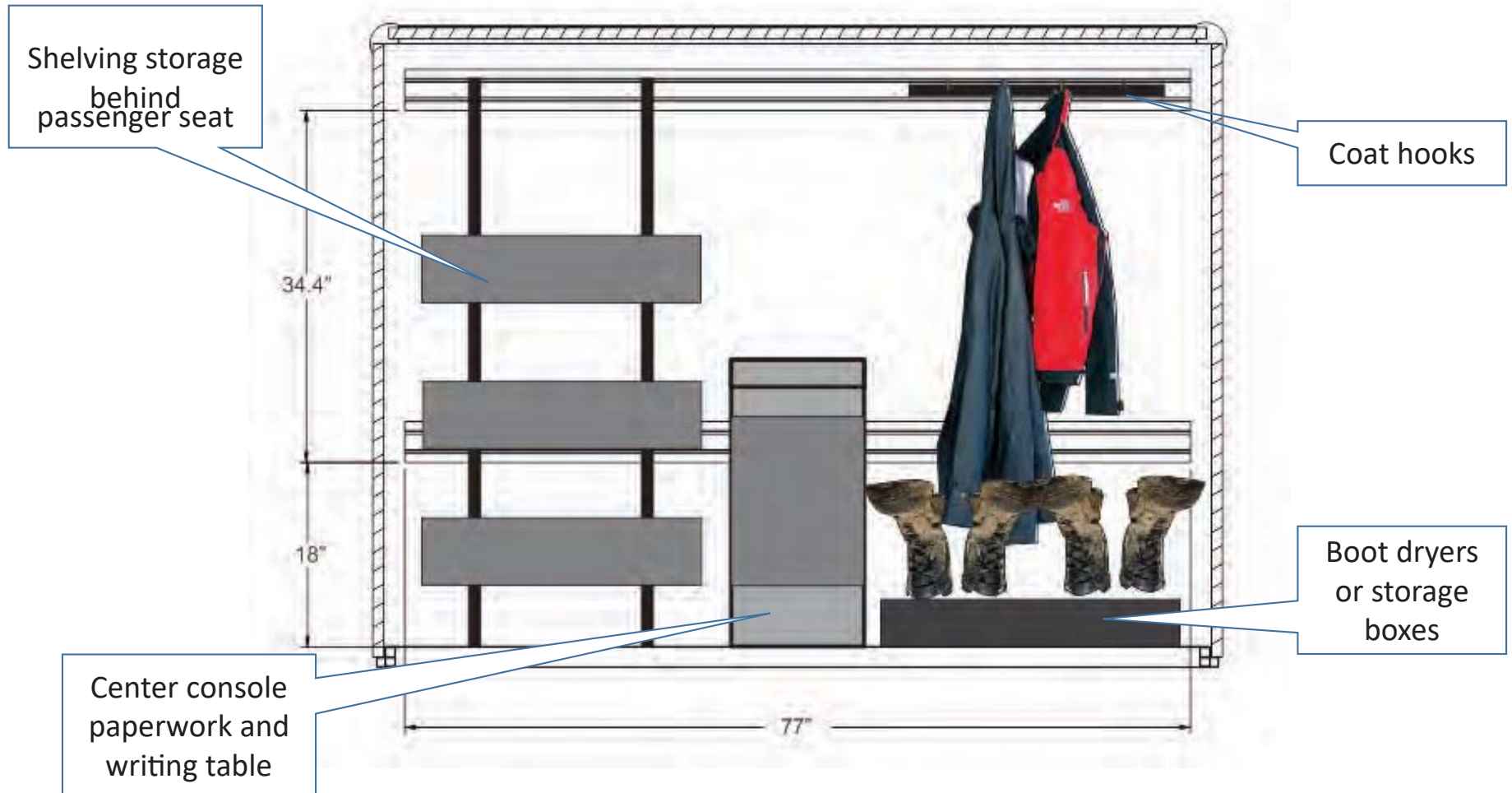
24" Backpack



36" CrewCab



Storage console for papers with fold up table



Adjustable Shelving & Storage Console for
Paperwork with Fold Up Table



Boot Dryer

Easy mount wall panels allow for easy customization and secure mounting on back wall using rivnuts



Floor can also be mounted to using rivnuts







LOCATIONS



TOLLESON

9899 W. Roosevelt St,
Tolleson AZ 85353
623-907-9900

CHANDLER

1230 S Akimel Lane,
Chandler AZ 85226
480-282-4000

FLAGSTAFF

4201 E. Huntington Drive,
Flagstaff AZ 86004
928-522-0400

TUCSON

5650 E. Travel Plaza Way,
Tucson AZ 85756
520-514-5700

LAS VEGAS

3701 Freightliner Drive,
N. Las Vegas NV 89081
702-643-0717

WHITTIER

2429 S Peck Rd,
Whittier, CA 90601
877-727-8752

FONTANA

13800 Valley Bl,
Fontana, CA 9233
877-727-8752

SAN DIEGO

6006 Miramar Road,
San Diego CA 92121
877-454-5456

HESPERIA

8995 Three Flags Ave,
Hesperia CA 92345
760-948-6077

CARSON

21107 S. Chico Street,
Carson CA 90745
310-984-3930

ONTARIO

1031 E Holt Blvd
Ontario, CA 91761
909-510-4100

OXNARD

2501 Camino Del Sol,
Oxnard, CA 93030
800-564-2448

www.VelocityTruckCenters.com

CENTRI

APPLICATIONS

FORMULA



DIVERSAFAB

CENTRI™ Precleaners are Ideal for.....

CONSTRUCTION	LOGGING
End Loaders	Skidders
Scrapers	Grapplers
Excavators	Wood chippers
Compaction equipment	Stump cutters
Dump trucks	Tub Grinders
Crawlers	MINING
Dozers	Drilling equipment
Graders	Scrapers
Trenching equipment	Loaders
Concrete Pumps	Dozers
ROAD MAINTENANCE	Crushing equipment
Pavers	Screening machines
Concrete cutters	AGRICULTURAL
Planers	Tractors
Scarification equipment	Combines
Pavement breakers	Mower conditioners
Sweepers	Hay choppers
LANDFILL	Pneumatic conveying equipment
Compactors	Chemical applicators
Loaders	OTHER
Scrapers	Airport maintenance
ON-HIGHWAY	Drainage plows
COMPRESSORS	Railroad maintenance
INDUSTRIAL FORKLIFTS	Rental equipment
SNOW REMOVAL EQUIPMENT	Snow blowers
LAWN & TURF EQUIPMENT	Pneumatic blowers

For all engines, the C.F.M. can be determined by using the formula below:

2 CYCLE ENGINES

$$\text{C.F.M.} = \frac{\text{C.I.D.} \times \text{R.P.M.} \times \text{Vol. Eff.}}{1728}$$

VOLUMETRIC EFFICIENCY:

<u>Diesel</u> Blower-Scavenged.....	= 1.40
Turbocharged	= 1.90
Turbocharged - Innercooled ..	= 2.10

<u>Gasoline</u> up to 2500 r.p.m.	= .85
2500 to 3000 r.p.m.	= .80
3000 to 4000 r.p.m.	= .75

C.I.D.-Cubic Inch Displacement R.P.M.-Revolutions Per Minute Vol.Eff.-Volume Efficiency
To convert Metric Displacements to C.I.D. for use in the formulas, use the following conversion factors:
Displacement in Cubic Centimeters (cm³) x 0.06102 = C.I.D.
Displacement in Liters x 61.02 = C.I.D.

4 CYCLE ENGINES

$$\text{C.F.M.} = \frac{\text{C.I.D.} \times \text{R.P.M.} \times \text{Vol. Eff.}}{3456}$$

VOLUMETRIC EFFICIENCY:

<u>Diesel</u> Naturally Aspirated.....	= .85
Turbocharged.....	= 1.60
Turbocharged - Aftercooled ..	= 1.85
Turbo Innercooled.....	= 1.95

<u>Gasoline</u> up to 2500 r.p.m.	= .80
2500 to 3000 r.p.m.	= .75
3000 to 4000 r.p.m.	= .70

NOTE: Engines equipped with twin air intake pipes, divide the engine C.F.M. by two and apply the proper CENTRI™ Precleaner to each of the pipes.
(Formerly Best-Ex, Inc.)



CENTRI™ Air Precleaners by DIVERSAFAB

- Extends Air Filter Life up to 12X !
- Increases Engine Life and Performance
- Compatible with ALL air filter systems
- High Efficiency, Low Restriction, Maintenance Free
- Lifetime Warranty!

ISO 9001:2000
Registered



INSTALL CENTRI™ ON:

DOZERS- WHEEL LOADERS- EXCAVATORS- SKID STEERS-CRAWLERS- SCRAPERS
LOG SKIDDERS- CHIPPERS-TUB GRINDERS-GRADERS
SNOW REMOVAL EQUIPMENT- TRACTORS,COMBINES AND MUCH MORE...

DISTRIBUTED BY:

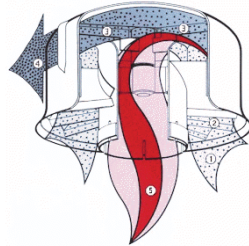


Phone: 413-788-Lube (5823)
www.LubeTechnologies.com

PRECLEANER

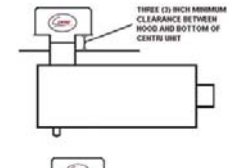
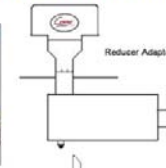
How it Works

1. Dirty air enters the CENTRI™ which is clamped onto your equipment's air intake.
2. Specially designed vanes, curved and angled to precisely direct air flow, move the dirty air toward the stainless steel impeller.
3. The dynamically balanced, one piece spinning impeller (the only moving part) creates a tornado inside the housing.
4. The centrifugal force of the tornado expels the heavier than air dirt particles, chaff, dust, snow, rain, etc., out the discharge louver.
5. Cleaned air enters the engine intake pipe, and the filter element has only the very light particles to remove.

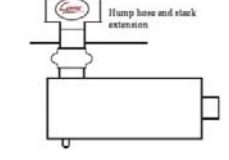
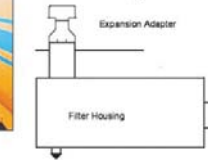
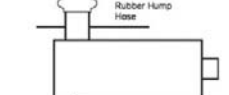
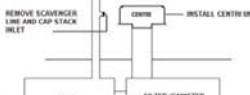


INSTALLATION

CENTRI™ BASIC INSTALLATION GUIDE



Please Note:
Rubber Hump Hose should be used on all CENTRI™ units installed on Tracked Equipment.
Minimum clearance of 3" from bottom of CENTRI™ unit to Equipment hood required for proper operation.



- Eight (8) different CENTRI™ models to cover your clean air requirements from 50 to 1600 CFM.
- Heavy duty, non-rusting aluminum and stainless steel construction, yet lightweight, requiring no additional clamps or supports.
 - Self-cleaning, maintenance free design & a LIFETIME WARRANTY
 - Curved and angled vanes to direct the air flow to maximize cleaning efficiency.
- Stamped one-piece stainless steel impeller is precisely balanced (Dynamically), eliminating vibration, noise, and premature bearing failure.
- Easy installation features allow for mounting the CENTRI™ Precleaner in any position

SPECIFICATIONS For CENTRI™ PRECLEANERS DIMENSIONS--WEIGHT--C.F.M. RANGES

MODEL NO.	A inches	B inches	C inches	Approx. Weight (lbs.)	Recommended C.F.M. Range
EX-20	5 1/4	3 3/8	2	1	50 to 100
EX-25	6 1/2	4 1/4	2 1/2	1 3/4	100 to 200
EX-30	6 1/2	5	3	2 3/4	150 to 275
EX-40	8 7/8	5 7/8	4	3 3/4	200 to 400
EX-50	11 1/4	7 1/2	5	6 1/2	350 to 700
EX-60	12 3/4	7 3/4	6	7 1/4	500 to 950
EX-70	14 3/4	8 1/2	7	9 1/2	750 to 1350
EX-80	14 3/4	8 1/2	8	9 1/2	950 to 1600

Always size precleaner to Engines highest intake cfm rating, not inlet size.

ADAPTERS



Phone: 413-788-Lube (5823)
www.LubeTechnologies.com

INSTALLATION ACCESSORIES

STRAIGHT STACK EXTENSION WITH CLAMP

SIZE	PART NO.	LENGTH
4	24-40012	12
5	24-40018	18
6	24-40024	24
7	24-40012	12
8	24-40018	18
9	24-40024	24
10	24-40012	12
11	24-40018	18
12	24-40024	24
13	24-40012	12
14	24-40018	18
15	24-40024	24



REDUCER ADAPTORS WITH CLAMP

SIZE	PART NO.	LENGTH
2 1/2-2	27-2520	6
3-3	27-4020	6 1/2
4-4	27-5040	8
5-5	27-6060	8
6-6	27-7080	8



* Also Refer to Rubber Inserts (R7 series)
Note: Length may vary depending on availability.

PRESCRENS

CENTRI™ INTAKE

PART NO.	MODEL	O.D.	HEIGHT
45-3030	EX-30	3	6
45-4030	EX-40	3	6
45-4040	EX-40	4	6
45-4050	EX-40	5	6
45-5040	EX-50	5	6
45-5050	EX-50	5	8
45-5060	EX-50	6	8
45-6050	EX-60	5	8
45-6060	EX-60	6	8
45-6070	EX-60	7	8
45-7060	EX-70	6	8
45-7070	EX-70	7	8
45-7080	EX-70	8	8
45-8080	EX-80	8	8



FIX-N-FAX

Equipment Standard

(No. 134 October 2011)

Number 43

Mandatory Compliance

March 5, 2009

Fire Dozer Engine Air Filter Precleaner/ember screen

Fire dozer engine air intake systems are vulnerable to high heat and burning embers associated with wildland fire suppression. Original Equipment Manufacturer (OEM) pre-cleaners melt under high heat exposure and do not provide burning ember protection as recommended by the National Fire Protection Association (NFPA).

Inadequate ember protection can allow burning embers to enter the air filter housing and ignite the air filter causing the engine to stall out. Loss of engine power can put the equipment operator in extreme danger.

CAL FIRE worked with DRM Diversafab, (formerly BEST-EX, INC.) manufacturer of the "Centri™" precleaner, to develop a high heat resistant precleaner and ember prescreen that would meet the engine OEM air intake requirements, meet the NFPA and CAL FIRE Fix-N-Fax #42 requirement of preventing burning embers larger than 0.039 inch from reaching the air filter.

DRM Diversafab was successful in their development of a "High Heat" model precleaner and a "High Heat" model prescreen to prevent any chance of a burning ember larger than .036 inch from reaching the paper air filter to comply with NFPA. The maximum temperature tolerance of the precleaner is 1,200 degrees Fahrenheit. The grease in the bearings is only good to approximately 350 degrees Fahrenheit for short duration but bearing failure will not compromise ember protection during a burn over. The prescreen made with the Kevlar® thread (locking stitching) is 900 degrees Fahrenheit. The Silicone coating (gray color) on the fabric is 500 degrees Fahrenheit and the Fiberglass base fabric is 1,000 degrees Fahrenheit.

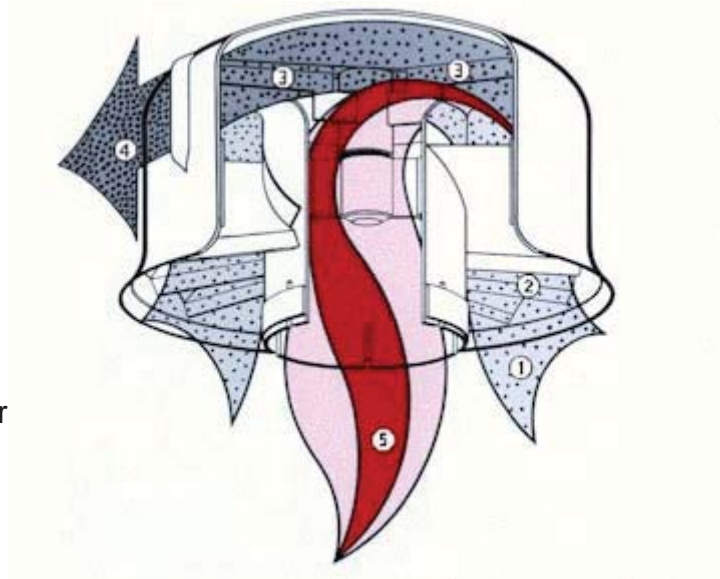
In 2008, CAL FIRE was able to secure Federal Grant Funds (CFAA/SFA) to equip each CAL FIRE bull dozer with a high heat resistant precleaner and ember prescreen. In February of 2009 all CAL FIRE dozers were provided with pre-cleaner kits appropriate for the make/model dozer and was required to have the provided pre-cleaner installed on by April 15, 2009.



Phone: 413-788-Lube (5823)
www.LubeTechnologies.com

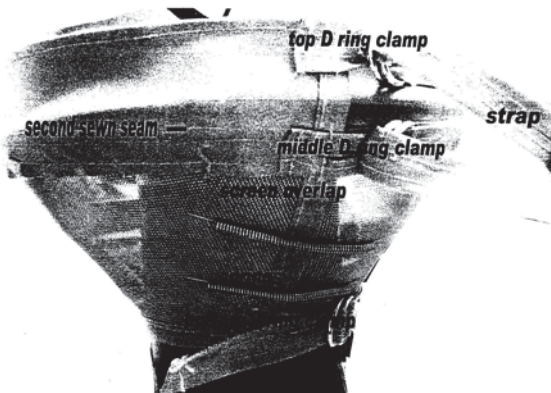
HOW IT WORKS:

1. Dirty air enters the precleaner which is attached onto the engine's air intake.
2. Vanes, curved and angled to direct air flow, move the dirty air toward the stainless steel impeller.
3. The impeller creates centrifugal force inside the housing.
4. The centrifugal force expels the heavier than air dirt particles, chaff, dust, snow, rain, etc., out the discharge louver.
5. Cleaned air enters the engine intake pipe, and the filter element has only the very light particles to remove.



6. In addition to the features of the precleaner, DRM Diversafab developed a prescreen for positive ember control that prevents any particle larger than .039 inches from entering the precleaner.

HOW TO INSTALL:



1. Install Adaptor or Stack Extension on to engine air inlet pipe. Push down until the metal expansion slots are fully sealed by the engine air inlet pipe. Install the Stainless Steel Clamp and position in the middle of the expansion slots. Tighten clamp to a maximum of 7.5 ft. lbs. or 90 inch lbs.
Caution: Do not over tighten clamp.
2. Push EX50 precleaner on to the Adaptor or Stack Extension so expansion slots are fully sealed. Install stainless steel clamp and position about a 1/4" above the lower edge of the precleaner base or edge. Tighten clamp to a maximum of 7.5 ft. lbs. or 90 inch lbs.
Caution: Do not over tighten.



Phone: 413-788-Lube (5823)
www.LubeTechnologies.com

3. Wrap the HH prescreen around the precleaner so that the wide, gray upper end is above the lower edge of the precleaner hood. Identify the second sewn seam from the top of the prescreen and position the seam .125" below the edge of the lower edge of the hood.
4. Grab the top clamp strap, feed under D rings, fold around top D ring and feed through the lower D ring only Pull strap through until prescreen stays in place on the precleaner and the 2nd seam is located an .125" below the edge of the hood.
5. For the middle and bottom clamp straps, grab strap, feed under D rings, fold around top D ring and feed through the lower D ring. Pull strap until the excess material is removed, the vertical edges of the prescreen overlap and the bottom of the prescreen wraps around the adaptor or extension. Do not tighten at this time.
6. Starting with the top clamp strap, pull it tight. Remove or flatten any gaps, openings or gathered material places so that the prescreen lays flat and seals against the precleaner hood and at the overlap. This seal prevents an ember from entering the internal precleaner air flow.
7. For the middle clamp strap, pull it tight. Remove or flatten any gaps, openings or gathered material places along the vertical prescreen overlap edge so it lays flat and seals. **Caution:** Do not over tighten so as to buckle or deform the pre screen material. This seal prevents an ember from entering the pre cleaner through the overlap area. Note: the screen has been designed to block a larger size ember (greater than .036") from entering the internal precleaner air flow.
8. With the bottom clamp strap, pull it tight. Remove or flatten any gaps, openings or gather material places so that the prescreen material lays flat and seals against the adaptor or stack extension and at the overlap. **Caution:** Do not over tighten so as to buckle or deform the prescreen material. This seal prevents an ember from entering the precleaner air flow.
9. Visually inspect each clamp, the overlap edge, top and bottom for gaps, opening or buckling. Adjust clamps and material until the prescreen is free of gaps, openings or buckling.
10. Locate the two silver tension springs supplied with each kit. Position each spring evenly and horizontally across the vertical overlap directly above any potential gaps or openings. Push one end in to the prescreen. Stretch the spring across the overlap and push the other end in to the prescreen. Repeat the same process with second spring. **Caution:** Do not overstretch the spring so as to buckle or deform the prescreen material. Each spring increases sealing to prevent an ember from entering the precleaner through the overlap area.



Phone: 413-788-Lube (5823)
www.LubeTechnologies.com

**AIR FLOW RESTRICTION DATA ON HIGH HEAT STAINLESS STEEL SCREENS
HIGH HEAT SCREEN #48-5040S, AND HIGH HEAT SCREEN #48-5050S**

Precleaner Tested: EX50

Date: 11/13/08

Temp. 50 / 55 F

By: Ron R.

Test #1	Registered CFM W / Water Column	4 X 20 Str. Pipe 37-5040 Adaptor	Precleaner Restriction	48-5040S Restriction
1	269 / .5	0.6	1.7	1.7
2	381 / 1.0	1.35	3.3	3.5
3	466 / 1.5	2.2	5.2	5.45
4	537 / 2.0	2.85	6.9	7.2
5	657 / 3.0	4.35	10.5	11
6	757 / 4.0	5.7	13.9	14.15
7	845 / 5.0	6.9	17	17.8
8	925 / 6.0	8.45	20.3	21.3

Test #2	Registered CFM / Water Column	5 X 24 Straight Pipe Restriction	Precleaner Restriction	48-5050S Restriction
1	269 / .5	0.4	1.4	1.4
2	381 / 1.0	0.95	2.8	2.8
3	466 / 1.5	1.4	4.3	4.4
4	537 / 2.0	1.85	5.5	5.8
5	657 / 3.0	2.8	8.5	8.55
6	757 / 4.0	3.7	10.9	11.6
7	845 / 5.0	4.5	13.6	14.2
8	925 / 6.0	5.6	16.1	16.9

NOTES: The test was completed to verify air flow restriction between an:

EX50 Centri Precleaner with no screen

EX50 Centri Precleaner w/ low profile screen #48-5050S / 12" adaptor #24-50012

EX50 Centri Precleaner w/ mid profile screen #48-5040 / 5" to 4" reducer #24-5040

EX50 Centri Precleaner w/ tall profile screen #48-5050

An additional test was done after the restriction tests were completed. At 845 CFM a piece of plastic was placed across 1/2 of the screen to represent a plugged screen condition. There was no increase restriction noticed on either screen.



Phone: 413-788-Lube (5823)
www.LubeTechnologies.com

EXHIBIT F: 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	DeLong Heavy Haul http://www.pauldelongheavyhaul.com/
Contact Individual & Title	Paul Delong Owner
E-mail/Telephone number	702-644-3668 w 702379-0583 c delongheavyhaul@gmail.com
Date of Project & Description of services provided including contract amount	DeLong is a private heavy haul specialized trucking company based in Las Vegas NV. DeLong purchased their first WS five years ago to replace the Peterbilts in the fleet. Was looking for a truck to handle loads up to 200+tons, in the Nevada heat. Is taking delivery of two more this month. As a private company they can choose to run any truck and they chose Wst Str!
Customer Agency Name	County of Orange
Contact Individual & Title	Daniel Martinez and Juan Ochoa Fleet manager
E-mail/Telephone number	714-955-0308 daniel.martinez@ocpw.ocgov.com 714-955-0383 juan.ochoa@ocpw.ocgov.com
Date of Project & Description of services provided including contract amount	We have provided several Heavy spec tractors to the county going back to 2011 and 2016 both in Diesel and CNG. additionally we have supplied 11 new HD Dump trucks, a water truck, 17ton crane in the last few years.
Customer Agency Name	Caltrans/ DGS
Contact Individual & Title	Rich Pedersen
E-mail/Telephone number	richard.pedersen@dot.ca.gov (916) 227-9639
Date of Project & Description of services provided including contract amount	12/29/2015 Supply 14 HD Chassis to the State of Calif for dump/snow plow usage. We meet all delivery commitments and received bonuses on 13 units for early delivery. 1,842,492.75
Customer Agency Name	City of Ontario
Contact Individual & Title	Manuel Rebolledo Fleet Manager
E-mail/Telephone number	MRebolledo@ontarioca.gov (909) 395-2638
Date of Project & Description of services provided including contract amount	2017 two HD Water trucks and nine refuse trucks combined contracts exceeding three million dollars

CUSTOMER REFERENCE FORM

Bidders must submit three (3) completed Customer Reference Forms with their submittal as described in Section 5.4.1, Customer Reference. Refer to requirement for detailed instructions.

Contractor's (Bidder) Name:	Los Angeles Truck Centers, LLC
Agency Name (Bidder's Customer):	City of Riverside
Contract Number:	Various
Contract Duration:	2012- Current
Dollar Amount of Contract:	exceeding 3.8 million dollars
Products/Services Provided:	Refuse Trucks, dump truck
Customer (Bidder's Customer) Contact Name and Title:	Garrett Reynolds
Customer Phone Number:	9518265555
Customer Fax Number:	951-351-6443
Customer E Mail Address:	GReynolds@riversideca.gov

Ratings: Please summarize contractor performance and circle in the column on the right the number which best corresponds to the performance rating for each question. If the score is either 1 or 5, please kindly provide an explanation.

Please follow the rating guidelines below for description of rating scale:

Rating Guidelines and Description of Rating Scale:	
Exceptional (5)	Best-in-class performance. Performance met all contract requirements and exceeded several to the customer's benefit. No issues were encountered.
Very Good (4)	Performance met all contract requirements and exceeded some to the customer's benefit. There were a few minor issues, which were negligible.
Satisfactory (3)	Performance met contract requirements. There were some minor issues, and corrective actions taken by the contractor were acceptable.
Marginal (2)	Performance did not meet the contractual requirements. There were issues, some of a serious nature, for which corrective action was only somewhat effective.
Unsatisfactory (1)	Performance did not meet contractual requirements. There were serious issues and the contractor's corrective actions were ineffective.

CUSTOMER REFERENCE FORM

Factors Rated	Questions	Comments (continue on additional sheets if desired) Mandatory if score is either 1 or 5	Rating
Timeliness	1. How would you rate the contractor's geographic coverage and ability to deliver on time throughout all your locations?	Vendor provides excellent coverage and support to our location within more than reasonable time frames.	① ② ③ ④ ●
	2. How would you rate the contractor's product availability and fill rate?	Vendor regularly delivers product on time as scheduled or earlier than anticipated.	① ② ③ ④ ●
	3. How would you rate the contractor's turnaround time when contacted to provide on-site assistance?	Vendor is readily accessible and are routinely available on-site as needed.	① ② ③ ④ ●
Contract Management	4. How would you rate the experience of the contractor in managing large accounts?	The vendor is highly experienced in this area and has managed large contracts and orders for several years with the City of Riverside.	① ② ③ ④ ●
	5. How would you rate the service provided by the contractor's assigned Contract Administrator and/or Project Manager?	All contracts and/or agreements have been properly administered, managed, and monitored mutually between the vendor and the City of Riverside.	① ② ③ ④ ●
Quality	6. How would you rate the quality of the contractor's value-added services (i.e. installation, assembly, design and CAD input services)?	The vendor routinely provides technical data, drawings, narrative detail, and solutions to operational needs.	① ② ③ ④ ●
	7. How would you rate the performance of contractor's products compared to that of its competitors?	The product the vendor provides regularly meets specifications, performs as intended, and has a service life that meets or exceed our expectations.	① ② ③ ④ ●
Ordering	8. How would you rate the contractor's ordering system?	The vendor places orders once authorized, consults with other manufacturers, provides estimated dates for delivery, and provides follow-up regularly.	① ② ③ ④ ●
Reporting	9. How would you rate the contractor's ability to provide reports in an accurate and timely manner?	Vendor provides data, technical documents, and other resources as requested promptly.	① ② ③ ④ ●
Customer Satisfaction	10. How would you rate your level of overall satisfaction with the contractor?	The City of Riverside is extremely pleased with the performance, service, and care that is taken to maintain the partnership, and meet the needs of our demanding organization.	① ② ③ ④ ●

Rater's Signature: _____


Date: 08-31-2016

EXHIBIT G: PRICING PAGE REVISED 2/27/18

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.

PRICING FOR DOZER TRANSPORT VEHICLE PER SPEC 02-40-18

Item	Description	Unit of Measure	Qty	Unit Price	Ext. Total
1	Dozer Transport Vehicle Per Spec No. 02-40-18 YEAR: <u>2019</u> MAKE: <u>Western Star</u> MODEL: <u>4900SB</u> <i>(list warranty & inspection costs below)</i>	Each	2	159,729.00 \$	319,458.00 \$
Sales Tax (7.75%)					\$ 24,758.00
Subtotal					\$ 344,216.00
The manufacturer shall agree to bear all expenses including: travel, lodging, and meals for a total of up to four (4) OCFA representatives to attend a final inspection of the vehicle prior to delivery.					
4	Final Inspection Trip cost per person	Each	4	\$	\$
Inspection Subtotal					\$
5	Tire Fee per vehicle	Lot	2	\$ 17.50	\$ 35.00
6	Exact transportation charges, if any	Lot	1	\$ 0	\$ 0
7	Single Source 5-Year warranty per vehicle	Each	2	\$ 7500.00	\$ 15,000
Total					\$ 359,251.00

Discount terms: 500.00 net 15days from delivery.

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

It is our understanding that the engine is to be covered for 5 years, we have included that in our base pricing.
Line 7 will add coverage for the transmission and cab and chassis per attached TC4 for five years 100,000 miles and a Towing policy of upto 550.00 per warrantable failure

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

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

The pricing above is good through 2019 MY production, we estimate last day to order would be end of September of 2018. 2020 MY built units will have an escalator not to exceed \$2,300.00 per unit.

"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 x No _____

ADDITIONAL INFORMATION – Provide any additional information you would like OCFA to consider:

Please review the WS- Comparison _booklet provided. You will find the Western Star cab is built of stronger materials, offers a larger cab than its competitor, even with their 3/4 cab fiberglass extension add on. The 4900 cab is the same cab the US military uses to build the armored tractors on! Its Strong and durable for severe duty applications.

If OCFA decides it wants to stay with the standard cab a deduction of 9,000.00 per unit can be taken from the vehicle pricing.

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. [See above for pricing terms.](#)

EXHIBIT H: PARTY AND PARTICIPANT DISCLOSURE FORMS

Campaign Contributions Disclosure: In conformance with the statutory requirements of the State of California Government Code Section 84308, part of the Political Reform Act and Title 2, California Code of Regulations 18438 through 18438.8, regarding campaign contributions to members of appointed Boards of Directors, Offeror is required to complete the attached Party and Participant Disclosure Forms and submit as part of the proposal, **if applicable**.

Offeror is required to submit only one copy of the completed form(s) as part of its proposal. This/these form(s) should be included in the original RFP. The Offeror and subcontractors must complete the form entitled "Party Disclosure Form". Lobbyists or agents representing the Offeror in this procurement must complete the form entitled "Participant Disclosure Form". Reporting of campaign contributions is a requirement from the proposed submittal date up and until the OCFA Board of Directors takes action.

**ORANGE COUNTY FIRE AUTHORITY
BOARD OF DIRECTORS****Ed Sachs, Chair**

City of Mission Viejo

David Harrington, Director

City of Aliso Viejo

Rob Johnson, Director

City of Cypress

Michele Steggell, Director

City of La Palma

Laurie Davies, Director

City of Laguna Niguel

Leah Basile, Director

City of Lake Forest

Craig Green, Director

City of Placentia

Tim Brown, Director

City of San Clemente

Juan Villegas, Director

City of Santa Ana

David John Shawver, Director

City of Stanton

Vince Rossini

City of Villa Park

Gene Hernandez, Director

City of Yorba Linda

Todd Spitzer, Director

County of Orange

Joseph Muller, Vice Chair

City of Dana Point

Elizabeth Swift, Director

City of Buena Park

Melissa Fox, Director

City of Irvine

Don Sedgwick, Director

City of Laguna Hills

Noel Hatch, Director

City of Laguna Woods

Shelley Hasselbrink, Director

City of Los Alamitos

Carol Gamble, Director

City of Rancho Santa Margarita

Sergio Farias, Director

City of San Juan Capistrano

Ellery Deaton

City of Seal Beach

Al Murray, Director

City of Tustin

Tri Ta, Director

City of Westminster

Lisa Bartlett, Director

County of Orange

ORANGE COUNTY FIRE AUTHORITY – PARTY DISCLOSURE

The attached Party Disclosure Form must be completed and submitted by the Offeror and subcontractors with the proposal by all firms subject to the campaign contribution disclosure requirements stated in Section VI this solicitation.

It is anticipated that a recommendation for award of this contract will be presented to the Board of Directors of the OCFA for approval. (Please see next page for definitions of these terms.)

IMPORTANT NOTICE**Basic Provisions of Government Code Section 84308**

- A. If you are an applicant for, or the subject of, any contract award, you are prohibited from making a campaign contribution of more than \$250 to any board member or his or her alternate. This prohibition begins on the date the solicitation is initiated, and the prohibition ends three months after a final decision is rendered by the Board of Directors. In addition, no board member or alternate may solicit or accept a campaign contribution of more than \$250 from you during this period.
- B. These prohibitions also apply to your agents, and, if you are a closely held corporation, to your majority shareholder as well. These prohibitions also apply to your subcontractor(s), joint venturer(s), and partner(s) in this proceeding. Also included are parent companies and subsidiary companies directed and controlled by you, and political action committees directed and controlled by you.
- C. You must file the attached disclosure form and disclose whether you or your agent(s) have in the aggregate contributed more than \$250 to any board member or his or her alternate during the 12-month period preceding the contract award.
- D. If you or your agent have in the aggregate contributed more than \$250 to any individual board member or his/or her alternate during the 12 months preceding the decision on the contract award or proceeding, that board member or alternate must disqualify himself or herself from the decision. However, disqualification is not required if the board member or alternate returns the campaign contribution within 30 days from the time the director knows, or should have known, about both the contribution and the fact that you are a party in the proceeding. The Party Disclosure Form should be completed and filed with your proposal, or with the first written document you file or submit after the proceeding commences.

A proceeding involving "a license, permit, or other entitlement for use" includes all business, professional, trade and land use licenses and permits, and all other entitlements¹ for use, including all entitlements for land use, all contracts² (other than competitively bid, labor or personal employment contracts), and all franchises.

- E. Your "agent" is someone who represents you in connection with a proceeding involving a license, permit or other entitlement for use. If an individual acting as an agent is also acting in his or her capacity as an employee or member of a law, architectural, engineering, consulting firm, or similar business entity, both the business entity and the individual are "agents."
- F. To determine whether a campaign contribution of more than \$250 has been made by you, campaign contributions made by you within the preceding 12 months must be aggregated with those made by your agent within the preceding 12 months or the period of the agency, whichever is shorter. Contributions made by your majority shareholder (if a closely held corporation), your subcontractor(s), your joint venturer(s), and your partner(s) in this proceeding

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: Los Angeles Truck Centers, LLC

Party's Address: 2429 Peck Rd

Whittier, CA 90601

Party's Telephone: 562-447-1235

Solicitation Title and Number: _____

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: 2/28/18


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): _____

ORANGE COUNTY FIRE AUTHORITY – PARTICIPANT (AGENT) DISCLOSURE

The Participant Disclosure Form must be completed by lobbyists or agents representing the Offeror in this procurement. (Please see next page for definitions of these terms.)

It is anticipated that a recommendation for award of this contract will be presented to the Board of Directors of the OCFA for approval.

IMPORTANT NOTICE

Basic Provisions of Government Code Section 84308

- A. If you are a participant in a proceeding involving any contract award, you are prohibited from making a campaign contribution of more than \$250 to any board member or his or her alternate. This prohibition begins on the date you begin to actively support or oppose an application for contract award pending before the OCFA or any of its affiliated agencies, and continues until three months after a final decision is rendered on the application or proceeding by the Board of Directors.
- No board member or alternate may solicit or accept a campaign contribution of more than \$250 from you and/or your agency during this period if the board member or alternate knows or has reason to know that you are a participant.
- B. The attached disclosure form must be filed if you or your agent has contributed more than \$250 to any board member or alternate for the OCFA or any of its affiliated agencies during the 12-month period preceding the beginning of your active support or opposition (The disclosure form will assist the board members in complying with the law).

If you or your agent have made a contribution of more than \$250 to any board member or alternate during the 12 months preceding the decision in the proceeding, that board member or alternate must disqualify himself or herself from the decision. However, disqualification is not required if the member or alternate returns the campaign contribution within 30 days from the time the director knows, or should have known, about both the contribution and the fact that you are a participant in the proceeding

The Participant Disclosure Form should be completed and filed with the proposal submitted by a party, or should be completed and filed the first time that you lobby in person, testify in person before, or otherwise directly act to influence the vote of the board members of the OCFA or any of its affiliated agencies.

1. An individual or entity is a "participant" in a proceeding involving an application for a license, permit or other entitlement for use if:
- a. The individual or entity is not an actual party to the proceeding, but does have a significant financial interest in the Authority's or one of its affiliated agencies' decisions in the proceeding.

AND

- b. The individual or entity, directly or through an agent, does any of the following:
- (2) Communicates directly, either in person or in writing, with a board member or alternate of the OCFA or any of its affiliated agencies for the purpose of influencing the member's vote on the proposal;
- (3) Communicates with an employee of the OCFA or any of its affiliated agencies for the purpose of influencing a member's vote on the proposal; or
- (4) Testifies or makes an oral statement before the Board of Directors of the OCFA or any of its affiliated agencies.
2. A proceeding involving "a license, permit, or other entitlement for use" includes all business, professional, trade and land use licenses and permits, and all other entitlements for use, including all entitlements for land use; all contracts (other than competitively bid, labor, or personal employment contracts) and all franchises.
3. Your "agent" is someone who represents you in connection with a

- 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: Los Angeles Truck Centers, LLC

Party's Name: Bryan Kobus

Party's Address: 2429 Peach Rd
Whittier, CA 90601

Party's Telephone: 562-447-1235

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: 2/28/18

[Signature]
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): _____

EXHIBIT I: IRS FORM W9

Form W-9 (Rev. December 2014) Department of the Treasury Internal Revenue Service	Request for Taxpayer Identification Number and Certification	Give Form to the requester. Do not send to the IRS.
1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Los Angeles Truck Center, LLC</div>		
2 Business name/disregarded entity name, if different from above <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> </div>		
3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input checked="" type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ </div> <div> <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate </div> </div>		
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) _____ <small>(Applies to accounts maintained outside the U.S.)</small>		
5 Address (number, street, and apt. or suite no.) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">2429 Peak Rd</div>		Requester's name and address (optional) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> </div>
6 City, state, and ZIP code <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Whittier, CA 90601</div>		
7 List account number(s) here (optional) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> </div>		

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 Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter:

Social security number									
or									
Employer identification number									
9	4	-	3	3	0	3	3	2	0

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 on page 3.

Sign Here	Signature of U.S. person ▶	Date ▶ 2/28/18
--------------	----------------------------	----------------

General Instructions

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

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/w9.

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-F (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? on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

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: Los Angeles Truck Centers, LLC

Party's Address: 2429 Peck Rd

Whittier, CA 90601

Party's Telephone: 562-447-1235

Solicitation Title and Number: _____

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: 2/28/18


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): _____

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: Los Angeles Truck Centers, LLC

Party's Name: Bryan Kobus

Party's Address: 2429 Peach Rd
Whittier, CA 90601

Party's Telephone: 562-447-1235

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: 2/28/18


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): _____

EXHIBIT I: IRS FORM W9

Form W-9 (Rev. December 2014) Department of the Treasury Internal Revenue Service	Request for Taxpayer Identification Number and Certification	Give Form to the requester. Do not send to the IRS.
1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Los Angeles Truck Center, LLC</div>		
2 Business name/disregarded entity name, if different from above <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> </div>		
3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input checked="" type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ </div> <div> <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate </div> </div>		
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) _____ <small>(Applies to accounts maintained outside the U.S.)</small>		
5 Address (number, street, and apt. or suite no.) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">2429 Peak Rd</div>		Requester's name and address (optional) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> </div>
6 City, state, and ZIP code <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Whittier, CA 90601</div>		
7 List account number(s) here (optional) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> </div>		

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 Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter:

Social security number									
or									
Employer identification number									
9	4	-	3	3	0	3	3	2	0

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 on page 3.

Sign Here	Signature of U.S. person ▶	Date ▶ 2/28/18
------------------	----------------------------	----------------

General Instructions

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

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/w9.

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-F (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? on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



ORANGE COUNTY FIRE AUTHORITY

RFP JA2267 – DOZER TRANSPORT TRACTORS

ADDENDUM ONE

February 27, 2018

Thank you to all who attended the non-mandatory pre-proposal meeting. This addendum is issued to provide clarification and response to the questions submitted during the non-mandatory pre-proposal meeting of February 21, 2018 and to the questions submitted via PlanetBids.

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 Q&A deadline will be extended through 5pm, Thursday, March 1, 2018, to allow for any final questions to be submitted via PlanetBids.

In addition, the due date for RFP JA2267 will be extended until **Wednesday, March 14, 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

Clarifications to questions submitted via PlanetBids prior to the pre-proposal meeting:

- 1. Bid calls for 3 engineering inspection trips. This bid is for two Heavy Haul tractors, this would be an unusual request based on the way a tractor is built. Please advise at what phase you would suggest an inspection? Basic tractor will go down the line in one day then get shipped for coxad ramps and headache rack installation by upfitter most likely here on So. CA. Can this requirement be eliminated or adjusted in scope to what is being purchased?**

Only the final inspection trip will be required. The Pre-Engineering (pre-construction) and mid-point inspection have been removed from the solicitation requirement.

This change has been made to the pricing table on Page 32 of Exhibit G – Pricing Page. The updated pricing table has been attached to this addendum.

- 2. Will you accept another engine manufacturer as long as it meets the horse power and torque requirements?**

No exceptions will be accepted on the engine manufacturer.

- 3. Pyrometers are not a factory option any more with the DPF system can this be deleted from the requirement?**

Pyrometers have been deleted from the vehicle specifications.

4. I don't see a requirement for the NFPA seatbelts/Air cleaner etc. is this correct?

That is correct. This is a commercial build not requiring red seatbelts. This vehicle will not be on the fire line therefore there are no NFPA requirements.

5. Line item 102 calls for a 70" adjustable fifth wheel, however, the 196" wheel base would not provide enough room? Suggest 18" slide forward of tandem center line and 18" aft?

Specification changed to 36" adjustable fifth wheel. This change has been reflected in the revised vehicle specifications.

6. As these units will be built off a standard production tractor chassis "As Built drawings" are not available. Chassis layout drawings would be available once an order is received and processed for build by the factory engineers. Would this be acceptable?

As built drawings are not required to be submitted with the bid proposal, however, rough draft, conceptual drawings are requested with proposal submittal for evaluation purposes.

7. Need more specifics on line items 86-88 LED lights

The LED Lights referenced in line items 86-88 will be purchased and installed separately by OCFA. Vendor shall provide switch, supporting brackets, and wiring terminated in place.

8. Will an "Eyebrow" down view mirror over RH door be acceptable in lieu of lower door window? Windows were discontinued due to being blocked by passenger or stuff stored on floor, and lack of selection.

Alternative suggestions will be acceptable.

9. What color do you want the sun visor painted red or white?

Aluminum or stainless steel is preferred. Paint color to be determined if not aluminum or stainless.

10. With the new emissions will a single vertical exhaust stack be acceptable, no benefit to dual stack in performance just more weight and something for a tree to hit.

Single vertical exhaust stack is acceptable. Primary bid should include pricing for the Single Stack, however, separate optional pricing for a double stack exhaust is requested.

Additional clarifications discussed during the pre-proposal conference:**1. Setback – a front axle setback is requested for increased turning radius.**

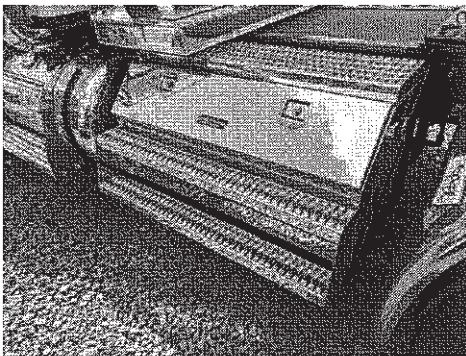
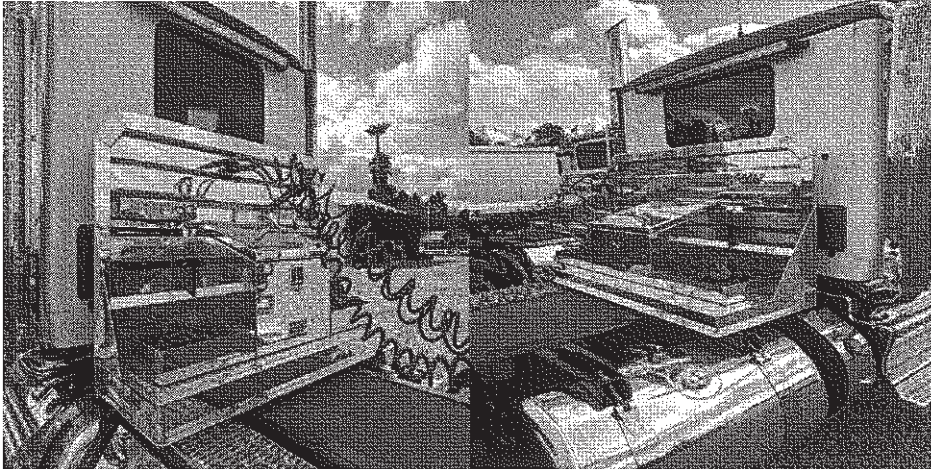
This requirement has been included in vehicle specification # 02-40-18 as line item # 71A.

2. Extended Cab – the cab shall have a minimum 10" extended day cab or approved equal.

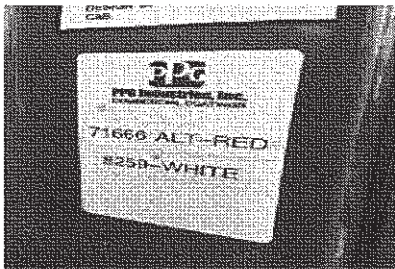
This requirement has been included in vehicle specification # 02-40-18 as line item # 90A.

3. Basic Training – the awarded vendor will be required to provide basic vehicle orientation training to OCFA staff on the apparatus. The vendor representative providing the basic orientation will not be required to be factory trained as previously requested. The following change has been made to Line item 35 –The manufacturer shall arrange for a factory trained representative to conduct basic vehicle orientation training and demonstrate the equipment as follows at the customer's location".

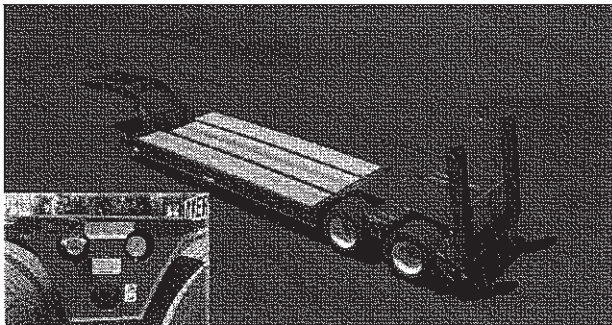
4. **Line item 40** – This line item has been deleted in its entirety.
5. **Line item 52** – “automatic radiator shutters” has been removed from the description.
6. **Line item 58** – “Ember Screen” has been added to the Air Cleaner description and requirement.
7. **Line item 60** – “Quick change, environmental” has been removed from the oil drain plug description.
8. **Line item 64** – the specific fitting numbers for the quick connect hydraulic hoses will be provided to the vendor that is awarded the contract.
9. **Line item 70** – “Multi Leaf Springs” changed to “Tapered Leaf Springs”.
10. **Line item 73** – The following change has been made: Front Axle 22,000 20,000 lbs. capacity spacing great enough to transport 22,000 20,000 lbs. ***The requirement for purple permit has been removed.***
11. **Line item 74** – The requirement for purple permit has been removed from the item description.
12. **Line item 77** – Double frame requirement removed from the specification, replaced with “Single Channel Frame Rail”.
13. **Line item 78** – The front air brakes shall be disc. This change has been reflected in line item 78 of the vehicle specification.
14. **Line item 79** – The requirement for spare tires and wheels has been deleted.
15. **Line item 80** – Mud flaps shall be drop in pin flaps
16. **Line item 86** - Vendor to provide wiring terminated for two (2) LED lights mounted on top of head board and adjustable, activated with truck manufacturer switch package. OCFA to purchase and install LED lights separate.
17. **Line item 87** - Vendor to provide wiring terminated for two (2) Lower LED lights mounted to illuminate fifth wheel, switches activated with truck manufacturers switch package to be located inside the cab. OCFA to purchase and install LED lights separate.
18. **Line item 88** - Vendor to provide wiring terminated for LED low profile light bar, cab activated with truck manufacturers switch package individual switches in the inside of the cab. OCFA to purchase and install LED low profile light bar separate.
19. **Add Line item 103A** – ½ stainless steel fender to be installed over front forward drive axel.
20. **Line item 116** – “40 channel Cobra 29 CB radio” has been removed from the item description.
21. **Line item 138** – The following change has been made: ~~“6-hours-~~ Basic operator training on Tractor
22. **Line item 139** – The following change has been made: ~~“6-hours-~~ Basic mechanic training on Tractor
23. **Protech Headache Rack and Low Profile Compartment** – The following pictures provide examples of similar Protech Headache Rack and Side Box that are desired and were discussed during the pre-proposal meeting.

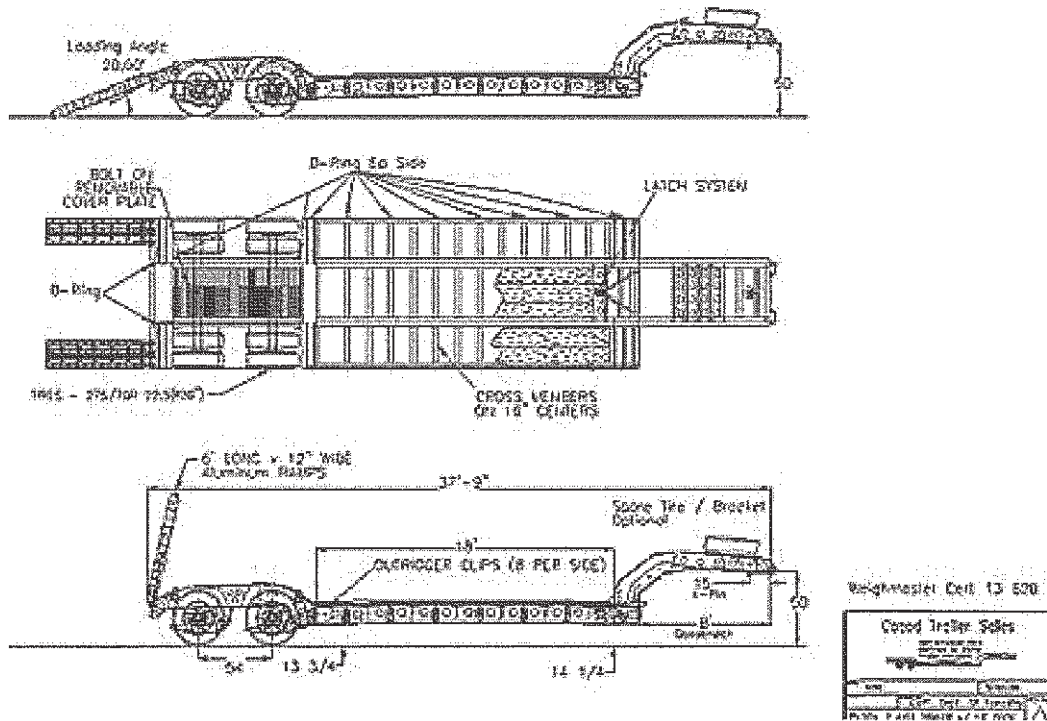


24. **PPG Paint Code Numbers** – the following is a picture of the most current PPG Paint Code numbers on OCFA's newest TDA.



25. **Current Cozad Trailer** – detailed information on OCFA's current COZAD 35-Ton 8 Tire Cal Fire Special Trailer can be found at the following link: <http://www.cozadtrailers.com/en/trailers/35-ton/8-tire-california-fire-special-trailer/>





Thank you for your interest in doing business with OCFA.

Best Regards,

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: LOS ANGELES TRUCK CENTERS

Representative Name (print): James K. Blakely

Representative signature: *James K. Blakely*



ORANGE COUNTY FIRE AUTHORITY

RFP JA2267 – DOZER TRANSPORT TRACTORS

ADDENDUM TWO

March 7, 2018

This addendum is issued to provide clarification and response to the questions submitted on PlanetBids prior to the Q&A deadline.

The Bid Due Date is Wednesday, March 14, 2018 at 11:00 am.

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

Clarifications to questions submitted via PlanetBids prior to the pre-proposal meeting:

1. *The cab and chassis manufacture will produce the cab and chassis and assemble the engine (Cummins with the powertrain components) and install into the chassis. Wetkit, Cozad ramps will be done by a post-production chassis modifier as is standard in the industry. Will this be acceptable?*

Yes, this is acceptable.

2. *The revised bid is asking for an extra cab, without specific dimensions. We can offer a 12" version with the following options: rubber mat floor with gray vinyl roof and back wall this is the base level with or without a rear window. Additional optional are: mounting channels load rated to 200# for rain gear, hats, jackets etc, shelving, and/or a center console. There is also a 24" option/or severe duty 24" option rated to 600#. 24" has the addition option for cargo doors and side windows on one or both sides. Note: these are made out of the same extremely strong lightweight composite honeycomb materials as our sleepers having a low impact on overall tare weight. These are not thin single wall panel extension.*

Please submit what you have available and OCFA will determine the entire package once submitted i.e., overall length, wheelbase turning radius etc.

3. **REPLACEMENT PARTS:** *A positive guarantee shall accompany proposal stating that the manufacturer will make available a complete stock of all parts or components on the Pacific Coast for the purpose of making delivery of such parts for a period of fifteen (15) years. Industry standard is 7 years we comply with industry standards.*

Exceptions shall be clearly identified and included with the proposal for review by the evaluation team.

4. *Page 8: inspection trips, I see as discussed during the pre-bid meeting the inspections were cut down from four to one at the local dealer prior to delivery. The language still remains for the dealer to cover this cost for four employees, was that an oversight if the inspection location is within the 50 mile radius of the County of Orange?*

The awarded vendor will be responsible for coordinating the final inspection trip, however no overnight stay is required if the dealership is within a 50 mile radius.

5. *I don't recall at the pre-bid any discussion on the "orientation CD" or see any required contents. This isn't typical for production tractors. can this be omitted?*

An orientation CD will not be required.

6. *Page 12; as discussed during the pre-bid meeting, as built drawing are not available for this type of equipment, other than what is produced by the OEM specing tools and prints on 8.5x11.5 format. Once an order is received and scheduled by the factory a limited amount of cad drawings will be available for the County. Turning radius graphs can be supplied with the order. I just want to clarify what we can offer so there isn't any misunderstands based on the addendum interpretation.*

As built drawings are not required to be submitted with the bid proposal, however, rough draft, conceptual drawings are requested with proposal submittal for evaluation purposes. Further discussions regarding Final drawings after order placement can be discussed with the awarded contractor at that time.

7. *Page 33 pricing changes as mentioned in the pre-bid meeting pricing is held for a model year production cycle, we will provide a model year escalator for both the current units offered should there be a delay in award going past the current 2019 model year production and for potential future options. Will this be acceptable?*

This will be acceptable to include in the proposal, however, it will need to clearly identify the dates when the price escalator would go into effect.

8. *The Extended Day Cab's dimension is 8" not 10"*

Please submit what you have available. Exceptions shall be clearly identified and included with the proposal for review by the evaluation team.

9. *Maybe there was a misunderstanding at the pre-bid, with the change of the front axle to 20k the front springs would need to match that rating to be used in a taperleaf design.*

That is acceptable.

10. *Clarification item # 27 Manufactures will provide the data but not "guarantee" performances or etc.*

This item will be further reviewed for discussion during the vendor interviews.

11. *Line #55 strikes out both pyrometer and turbo gauge but the turbo gauge is still on the spec. with a variable boost turbo this gauge is of minimal value if any.*

This was an oversight. Turbo boost gauge shall be removed from the specification requirements.

12. Line # 68 with the extended cab the wheelbase will be approximately 208" is this acceptable?

Please submit what you have available. Exceptions shall be clearly identified and included with the proposal for review by the evaluation team.

13. Line # 72 I don't understand this requirement please provide additional details of the intent. Thanks for your assistance

The intent of #72 is that the individual axle GVWR match the total vehicle combination of axles GVWR

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: Los Angeles Truck Centers LLC

Representative Name (print): JAMES K. BLAKELY

Representative signature: 



**REQUEST FOR BEST AND FINAL OFFER
RFP JA2267 DOZER TRANSPORT TRACTOR**

DATE BEST AND FINAL OFFER REQUESTED: APRIL 4, 2018
DUE DATE FOR BEST AND FINAL OFFER: APRIL 9, 2018 at 12:00PM

Los Angeles Truck Centers, LLC
jblakely@lafreightliner.com

Dear James Blakely,

Your firm, Los Angeles Truck Centers, submitted a proposal in response to the above referenced Request for Proposal (RFP) issued by the Orange County Fire Authority (OCFA). Los Angeles Truck Centers, has been selected as a finalist for further consideration in the RFP process. 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.

Los Angeles Truck Centers, 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. April 9, 2018**. The BAFO may be submitted by email with a signed original to follow in the mail.

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 consideration 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,

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

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.

A handwritten signature in blue ink, appearing to read "James K. Blakely".

Signature of Person Authorized to Sign

James K. Blakely

Printed Name

4/5/18

Date

Fleet & Government Sales

Title

BEST AND FINAL OFFER

RFP JA2172 Gas Powered Hydraulic Extrication Tools

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:

- Delete from vehicle specs: Line item 58 Air cleaner – two stage dry type with restriction indicator and ember screen comply, retained the restriction indicator in the dash.
- Add: all exposed aluminum shall be medium polish finished to include bright exhaust pipe & elbow, def cover battery box cover, wheels, fuel/hyd tanks.
- Add: K-rail and optional shelves to extended cab area. (no center console)
- Add: turbo boost gauge

				Original Proposal Pricing		BAFO Pricing	
Item	Description	Unit of Measure	Qty	Unit Price	Ext. Total	Unit Price	Ext. Total
1	Dozer Transport Vehicle Per Spec No. 02-40-18 YEAR: 2019 MAKE: Western Star MODEL: 4900SB	Each	2	\$159,729.00	\$319,458.00	\$159,900.00	\$319,800.00
Sales Tax (7.75%)					\$24,758.00		\$24,784.50
Subtotal					\$344,216.00		\$344,584.50
The manufacturer shall agree to bear all expenses including: travel, lodging, and meals for a total of up to four (4) OCFA representatives to attend a final inspection of the vehicle prior to delivery.							
4	Final Inspection Trip cost per person	Each	4	\$	\$	\$ NA	\$0
Inspection Subtotal					\$		\$
5	Tire Fee per vehicle	Lot	2	\$17.50	\$35.00	\$17.50	\$35.00
6	Exact transportation charges, if any	Lot	1	\$0.00	\$0.00	\$0	\$
7	Single Source 5-Year warranty per vehicle	Each	2	\$7,500.00	\$15,000.00	\$7500	\$15000
Total					\$359,251.00		\$359,619.50

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

Battery shut off switch moved to inside cab by driver seat N/C

Will include in this offer an inspection trip to Portland plant to see the tractors either on line or offline prior to shipping to CA for the

Fleet manager or designate. LED headlights have been approved as an option at a cost of 600.00 per vehicle tax included if OCFA

has an interest.



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

Agenda Item No. 3F
Consent Calendar

Approval for Donation of Surplus Self-Contained Breathing Apparatus

Contact(s) for Further Information

Lori Zeller, Assistant Chief
Business Services Department

lorizeller@ocfa.org

714.573.6020

Debbie Casper, Purchasing Manager

debbiecasper@ocfa.org

714.573.6641

Summary

This item is submitted for approval for the donation of 375 Scott Safety Air-Pak 50 Self-Contained Breathing Apparatus (SCBA) to three fire academy colleges.

Prior Board/Committee Action(s)

Not Applicable.

RECOMMENDED ACTIONS

1. Find that the proposed donation of 375 surplus Scott Safety Air-Pak 50 Self-Contained Breathing Apparatus to Santa Ana College, El Camino College, and Rio Hondo College fire academies advances the purposes of the Orange County Fire Authority by providing growth, training, and development opportunities to students at local colleges that serve as potential sources from which OCFA may recruit trained firefighters.
2. Approve and authorize the Purchasing Manager to donate 375 surplus Scott Safety Air-Pak 50 Self-Contained Breathing Apparatus to the Santa Ana College, El Camino College, and Rio Hondo College fire academies.

Impact to Cities/County

Not Applicable.

Fiscal Impact

No loss in revenue.

Background

In the early 1980's, the Orange County Fire Department began utilizing the Scott Air-Pak 50 SCBA as part of the standard structural firefighting personal protective equipment complement. In 2012, with the assistance of a grant from the Federal Emergency Management Agency, OCFA updated the aging fleet of SCBAs to the Scott Air-Pak 75. This model is technologically superior to the previous SCBA and is still the current OCFA standard.

The Air-Pak 50 SCBAs were collected in 2012 to be sold as surplus equipment. Although these SCBAs have been listed for sale multiple times, none have successfully been sold. In the few instances where there was interest in the surplus SCBAs, the buyers either failed to pick-up the equipment, did not make payment, or determined that the units did not meet their needs.

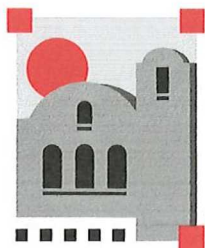
Although the Air-Pak 50 is no longer widely used, Santa Ana College, El Camino College, and Rio Hondo College have expressed interest in obtaining this equipment for their respective fire academies. All three schools are able to utilize the SCBAs immediately in their academy burn towers, as well as for their fire candidate physical ability testing. Approval of this donation will support three college fire academies which deliver exceptional growth and training to future firefighters, several of whom are filling the ranks here at OCFA today.

Per OCFA Purchasing Ordinance 008, Section 1-69(5), any donation of surplus property can be given to another local agency or non-profit organization as long as it meets the intent of the California Constitution. Under the California Constitution, when a public agency gives a surplus item to another organization, the item must be used for a public purpose of interest and benefit generally to the people of the agency's jurisdiction and in keeping with the agency's purpose.

Due to the large quantity of SCBAs and the aggregate value being greater than \$5,000, this donation requires Executive Committee approval. Staff believes this donation is beneficial to all parties by removing outdated equipment from OCFA inventory and providing breathing apparatus to colleges for training future firefighters in Orange County. Staff recommends approval to donate the requested units to each of the respective college fire academies. If approved, release of liability forms will be obtained from each college prior to release of the SCBAs.

Attachment(s)

1. Donation Request Letter from Santa Ana College
2. Donation Request Letter from El Camino College Fire Academy
3. Donation Request Letter from Rio Hondo College
4. Release of Liability Form



SANTA ANA COLLEGE

1530 West 17th St. • Santa Ana, CA • 92706-3398 • (714) 564-6000 • www.sac.edu

Digital Media Center

1300 S. Bristol St.
Santa Ana, CA 92704-3424
(714) 241-5812

Centennial Education Center

2900 W. Edinger Ave.
Santa Ana, CA 92704-3902
(714) 241-5700

Basic Fire Academy

18301 Gothard St.
Huntington Beach, CA 92648
(714) 841-9645

**CJTC-Orange County Sheriff's
Regional Training Academy**

15991 Armstrong Ave.
Tustin, CA 92782
(714) 566-9200

March 22, 2018

Orange County Fire Authority
1 Fire Authority Rd. Irvine CA 92602

Attn: Debbie Casper

Subject: Letter of request for fire equipment donation.

The purpose of this letter is to formally inform you that the Santa Ana College Basic Fire Academy would be very interested in any donation of surplus Self Contained Breathing Apparatus (SCBA) that may become available. This equipment would be utilized within the Fire Technology program here at Santa Ana College. Each year approximately 120 young men and women graduate from our State Accredited Regional Basic Fire Academy program. As I know you are aware, many of these graduates are currently filling the firefighter ranks throughout Orange County and beyond, including positions of all ranks within OCFA. With that in mind, you can see our need for replacement equipment.

In this time of tight budgets, know that your surplus SCBA's would be used to train many of the firefighters who will spend their careers within our communities. I understand that there may be as many as 200 SCBA's available and we would be interested in all of them along with any associated masks and cylinders that may be available. Thank you very much for your consideration in this matter.

I look forward to your response.

Respectfully Submitted,

Gary Dominguez
Director of Fire Instruction
Fire Technology Dept., A-113
Dominguez_gary@sac.edu
(714) 564-6406 work
(714) 604-7770 cell

Cc: Dr. Simon B. Hoffman
Donald Mahany

PRESIDENT: Linda D. Rose, Ed.D.

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT BOARD OF TRUSTEES:

Claudia C. Alvarez • Arianna P. Barrios • John R. Hanna • Zeke Hernandez • Lawrence "Larry" R. Labrado • Nelida Mendoza • Phillip E. Yarbrough

CHANCELLOR: Raúl Rodríguez, Ph.D.



EL CAMINO COLLEGE FIRE ACADEMY
206 w. Beach Ave. Inglewood Ca. 90302
(310) 419-4403 / (951) 805-6980

To: Orange County Fire Authority
Attn: Debbie Casper

From: El Camino College Fire Academy
Chief William Melendez
(951) 805-6980

Subject: Fire Equipment for Donation SCBA.

This letter is a formal letter of request for the donation of (100) SCOTT AP50 SCBA Units to be used for training at El Camino Fire Academy.

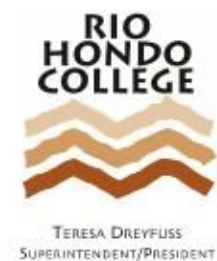
The equipment would be used at El Camino Fire Academy 206 W. Beach Ave. Inglewood Ca. 90302.

El Camino Fire Academy is a California Accredited Fire Academy that trains future Firefighters; many have been ended up being employed by OCFA. We will utilize this equipment immediately and have the ability to repair damage and malfunctioning equipment on site. We are in need of this equipment and would like to thank you for this donation.

Thank you

Sincerely

William Melendez
Chief William Melendez
Chief Coordinator / administrator.



OCFA
Attn: Debbie Casper

BOARD OF TRUSTEES

NORMA EDITH GARCÍA

GARY MENDEZ

MARY ANN PACHECO

VICKY SANTANA

MADLINE SHAPIRO

Ms. Casper,

My name is Tracy Rickman and I coordinate the Rio Hondo College Fire Academy. I understand there might be an opportunity, through donation, up to 100 serviceable SCBA's from the OCFA. I wanted to send a letter requesting such a donation as we could use them in our regional fire academy. I also wanted to know if they came with bottles? If not, that's not a problem, if so, we could use the air cylinders (up to 100) as well.

My email is trickman@riohondo.edu and my number is below. Thank you for the opportunity and if you need additional information please feel free to contact me.

Regards;

Tracy E. Rickman
Tracy E. Rickman, MPA
Fire, EMT & Wildland Fire Coordinator
EMT Program Director, Chief of Crew 77
Rio Hondo College
(909) 477-0727



Release of Liability
(For used equipment)

_____ ("Recipient") holds the Orange County Fire Authority ("OCFA") harmless for the receipt of the equipment described below.

This equipment has been received by the Recipient with the full understanding that it is being delivered "AS IS, WHERE IS". Recipient shall make all inspections and evaluations of the equipment necessary to determine its suitability for any subsequent uses of the equipment. Recipient also acknowledges that the Orange County Fire Authority is not or does not claim to be a dealer or merchant of said equipment, and that the Recipient is relying on no representations or warranties made by the OCFA in its decision to take title to or possession of said equipment. Said equipment is being accepted by the Recipient WITHOUT ANY WARRANTIES, EXPRESS OR IMPLIED, ANY WARRANTY OF MERCHANTABILITY, NOR ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Recipient understands that the OCFA will have no control over the use or maintenance of said equipment at any time after OCFA surrenders possession to Recipient, and consequently the OCFA shall not have any responsibility or liability for its use.

The Recipient agrees to defend and indemnify, to the maximum extent allowed under the laws of the State of California, the OCFA and its employees, agents, officers, servants, representatives, contractors, attorneys, partner agencies and assigns, for any claim of loss or damage, whether to person or property, suffered or claimed to be suffered by Recipient and/or any third party that arises from the use, or claimed use, of said equipment by the Recipient or any third party.

OCFA will not be held responsible or liable in ANY case for damages or injury that may result from the use, or misuse, of said equipment. The Recipient agrees that it shall be solely responsible in complying with all OSHA standards, NFPA standards or any other Federal, State or local laws, regulations and standards that exist, or that then exist, regarding the use, maintenance or disposition of such equipment and further acknowledge that OCFA makes no warranties or representations as to whether said equipment conforms with, or may in the future conform with, such laws, regulations or standards as may be applicable.

ADDITIONAL COMMENTS: _____

DESCRIPTION OF ITEM/ITEMS: MAKE/MODEL	S/N	OCFA FIXED ASSET #	EST. VALUE
---------------------------------------	-----	--------------------	------------

Chief's Approval: _____ Date: _____

☐ (Memo/Email attached)

Recipient Organization Name: _____

Organization Representative: (Printed Name) _____

Authorized Representative Signature: _____

Date Item Released: _____

METHOD OF RECEIPT: (select one)

GIFT ☐ LOAN ☐ If equipment is on loan, when will item be returned? _____

Note: **For donations with value over \$5,000 Board or Executive Committee approval is required**

Copy to General Accounting



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

Agenda Item No. 3G
Consent Calendar

**Special Procurement Contract Extension for
Online Training Software**

Contact(s) for Further Information

Mike Schroeder, Assistant Chief
Organizational Planning Department

michaelschroeder@ocfa.org

714.573.6008

Dennis Gomez, Battalion Chief
Training Section

dennisgomez@ocfa.org

714.573.6751

Summary

This agenda item is submitted for approval to extend the special procurement blanket order with TargetSolutions Learning, LLC. (TargetSolutions) for online training and records management software licensing, maintenance, and support.

Prior Board/Committee Action

At its May 22, 2014, Executive Committee meeting, the Committee approved an extension the contract with TargetSolutions for an additional three-year period in an amount not to exceed \$100,000 per year.

RECOMMENDED ACTION(S)

Approve and authorize the Purchasing Manager to execute the new client agreement with TargetSolutions for a three-year aggregate amount not to exceed \$300,000 (up to \$100,000 annually).

Impact to Cities/County

Not Applicable.

Fiscal Impact

Funding for this contract has been approved in the adopted FY 2017/18 General Fund Budget, specifically in the Training Section's budget for services and supplies.

Background

Special Procurement Justification

TargetSolutions was awarded the contract for online training in 2008 as a result of a competitive solicitation process and is used by the Emergency Medical Services (EMS) and Human Resources (HR) sections in providing a variety of mandatory training. The software product as it has developed is customized for OCFA's specific needs and like many other software companies developing custom applications, TargetSolutions' online training solution is proprietary and they are the only distributors of the licensing needed to use the software.

TargetSolutions Online Training Application

TargetSolutions online training and records management system is a web-based platform that enables organizations to deliver curriculum, track training, and maintain compliance. The records management system allows for web-based record keeping, credentials/qualification management, custom report generation, and analytics. TargetSolutions is utilized by OCFA's Operations, Training, EMS, and HR sections in providing a variety of mandatory training to all employees as well as online continuing education for the agency's Paramedics and Emergency Medical Technicians.

Pricing

The OCFA is a member of the California State Association of Counties Excess Insurance Authority (CSAC-EIA), a risk sharing pool of public agencies. CSAC-EIA has partnered with TargetSolutions to deliver a web-based training and risk management platform to all members. This platform is used by 2,500 public entities nationwide. As a result of membership in the CSAC-EIA, OCFA staff negotiated its eligibility to use its cooperative pricing agreement with TargetSolutions. This cooperative pricing agreement for CSAC-EIA members translates to a discount of \$29 (26.6%), per license, from the regular price of \$109 resulting in a cost of \$80 per license for firefighters; reserve firefighters are provided access to the portal at the discounted rate of \$34 per license, and support staff are included at no additional cost. The CSAC-EIA agreement with TargetSolutions guarantees current pricing through July 2021. Staff has requested approval for up to \$100,000 annually to account for any additional licenses for new employees that may be requested during the contract term.

Recommendation

Staff is recommending approval to execute the new client agreement with TargetSolutions extending the current special procurement blanket order contract for proprietary software licensing, maintenance, and support for three additional years in an aggregate not to exceed amount of \$300,000 (up to \$100,000 annually) as detailed in the attached client agreement/renewal quote.

Attachment(s)

Special Procurement Form

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: Training	Requested By: Jason Caya	Date: 03/08/18
Recommended Vendor: Target Solutions	Vendor Contact: Colleen Marchesano	Vendor's E-mail Address: colleen.marchesano@targetsolutions.com
Vendor Address: 10805 Rancho Bernardo Rd.		Vendor's Telephone #: 877-944-6372
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): 5/23/18 - 5/24/21	Contract Amount: \$100,000 Annually
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).		Attachments: <input checked="" 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.**

Target Solutions provides an online training and records management system in a web-based platform that enables OCFA to deliver curriculum, track training, and maintain agency compliance with credentials and qualification management.

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.**

Target Solutions was awarded the contract for online training in 2008 as a result of a competitive solicitation process and is used by the EMS and HR sections in providing a variety of mandatory training. As with many other software

SECTION III – JUSTIFICATION (continued)

development companies developing applications, Target Solutions' online training solution is proprietary and they are the only distributors of the product that has been customized for OCFA use.

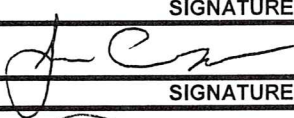

3. **Pricing - What efforts were made to get the best pricing (e.g., did you simply request a quote, negotiate a better price with the vendor, did the vendor provide a discount)?** *Please provide the quote with your special procurement request.*

Staff has negotiated pricing from the original solicitation to be updated with even more competitive pricing based on the California State Association of Counties (CSAC) cooperative contract which is valid through the three year term requested.

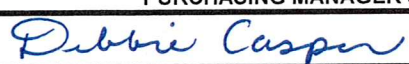

4. **Will this purchase obligate the OCFA to future purchases (maintenance, licensing or continuing needs)?** (If yes, please explain how and what the future costs will be.)

Yes, since Target Solutions has developed a customized software solution specific to OCFA for meeting its training and certification needs and since Target Solutions is the only distributor of its proprietary software, it will obligate OCFA to future annual licensing and support costs.

Special Procurement Request Submitted by:

REQUESTORS NAME	SIGNATURE	DATE
Jason Caya		3/20/2018
DIVISION CHIEF/SECTION MANAGER NAME	SIGNATURE	DATE
Battalion Chief Dennis Gomez		3-20-18
ASSISTANT CHIEF NAME	SIGNATURE	DATE
Assistant Chief Michael Schroeder		3/21/18

Purchasing Manager's Comments:

PURCHASING MANAGER'S APPROVAL	DATE
	4/9/18
ASSISTANT CHIEF BUSINESS SERVICES APPROVAL	DATE
	4/9/18

Executive Committee Approval Required ☒ Yes ☐ No Special Procurement over \$50,000

Executive Committee Approved: ☐ Yes ☐ No Date approved _____

**TargetSolutions Learning, LLC.**

10805 RANCHO BERNARDO ROAD, SUITE 200
SAN DIEGO, CA 92127-5703
877-944-6372 - TOLL FREE
858-592-6880 - DIRECT / 858-487-8762 - FAX

Regional Sales Manager: Kegan Konrady

Email: kegan.konrady@vectorsolutions.com

Phone: 858-376-1634

Quote

DATE of SUBMISSION

3/25/2018

LICENSE TERMS: 5.23.18-5.22.21

**Business Proposal Exclusively
Developed for:
Orange County Fire Authority
PO Box 53008**

TargetSolutions Online Training Platform License Customized Website, Administration Tools, and Applications

DESCRIPTION		UNIT PRICE PER USER	QUANTITY (# of Users)	TOTAL
TargetSolutions Platform: Premier Membership				
	EMS Personnel	\$ 80.00	368	\$ 29,440.00
	Full Time Firefighters	\$ 80.00	695	\$ 55,600.00
	Reserve Firefighters	\$ 34.00	185	\$ 6,290.00
	Support Personnel	\$ -	310	\$ -
Annual Maintenance Fee		\$ -	1	\$ -
	Web Events renewal	\$ 699.00	1	\$ 699.00
Total Annual License Fee (2018-2019)				\$ 92,029.00

Pricing Valid Through 5.22.2021

TargetSolutions Platform: Premier Membership				
	EMS Personnel	\$ 80.00		
	Full Time Firefighters	\$ 80.00		
	Reserve Firefighters	\$ 34.00		
	Support Personnel	\$ -		\$ -
Annual Maintenance Fee		\$ -	1	\$ -
	Web Events renewal	\$ 699.00	1	\$ 699.00



Client Agreement

This Client Agreement (the "Agreement"), effected as of the date noted in the attached Schedule A (the "Effective Date"), is by and between TargetSolutions Learning, LLC. ("TSL"), a Delaware limited liability company, and the undersigned client ("Client"), and governs the purchase and ongoing use of the services described in this Agreement (the "Services").

1. Services. TSL shall provide the following services:

1.1. Access. TSL will provide Client a non-exclusive, non-transferable, revocable, limited license to remotely access and use the Services hereunder and, unless prohibited by law, will provide access to any person designated by Client ("Users").

1.2. Availability. TSL shall use commercially reasonable efforts to display its content and coursework for access and use by Client's Users twenty-four (24) hours a day, seven (7) days a week, subject to scheduled downtime for routine maintenance, emergency maintenance, system outages and other outages beyond TSL's control.

1.3. Help Desk. TSL will assist Users as needed on issues relating to usage via e-mail, and a toll free Help Desk five (5) days per week at scheduled hours.

2. Client's Obligations.

2.1. Compliance. Client shall be responsible for Users' compliance with this Agreement, and use commercially reasonable efforts to prevent unauthorized access to or use of the Services.

2.2. Identify Users. Client shall (i) provide a listing of its designated/enrolled Users; (ii) cause each of its Users to complete a profile; (iii) maintain user database by adding and removing Users as appropriate.

2.3. Future Functionality. Client agrees that its purchases hereunder are neither contingent on the delivery of any future functionality or features nor dependent on any public comments regarding future functionality or features.

3. Fees and Payments.

3.1. Fees. Client will pay for the Services in accordance with the fee schedule in Schedule A attached to this Agreement. Fees shall be increased by 2.5% per year for any renewal terms.

3.2. Payments. All fees due under this Agreement must be paid in United States dollars. Such charges will be made in advance, according to the frequency stated in Schedule A. TSL will invoice in advance, and such invoices are due net 30 days from the invoice date. All fees collected under this Agreement are fully earned when due and nonrefundable when paid.

3.3. Suspension of Service for Overdue Payments. Any fees unpaid for more than ten (10) days past the due date shall bear interest at 1.5% per month. With fifteen (15) days prior written notice, TSL shall have the right, in addition to all other rights and remedies to which TSL may be entitled, to suspend Client's Users' access to the Services until all overdue payments are paid in full.

4. Intellectual Property Rights.

4.1. Client acknowledges that TSL alone (and its licensors, where applicable) shall own all rights, title and interest in and to TSL's software, website

or technology, the course content, and the Services provided by TSL, as well as any and all suggestions, ideas, enhancement requests, feedback, recommendations or other information provided by Client, and this Agreement does not convey to Client any rights of ownership to the same. The TSL name and logo are trademarks of TSL, and no right or license is granted to Client to use them.

4.2. Except as otherwise agreed in writing or to the extent necessary for Client to use the Services in accordance with this Agreement, Client shall not: (i) copy the course content in whole or in part; (ii) display, reproduce, create derivative works from, transmit, sell, distribute, rent, lease, sublicense, transfer or in any way exploit the course content in whole or in part; (iii) embed the course content into other products; (iv) use any trademarks, service marks, domain names, logos, or other identifiers of TSL or any of its third party suppliers; or (v) reverse engineer, decompile, disassemble, or access the source code of any TSL software.

4.3. Client hereby authorizes TSL to share any intellectual property owned by Client ("User Generated Content") that its Users upload to the Community Resources section of TSL's website with TSL's 3rd party customers and users that are unrelated to Client ("Other TSL Customers"); provided that TSL must provide notice to Client's users during the upload process that such User Generated Content will be shared with such Other TSL Customers and provided that TSL obtains prior written approval from Client.

5. Term.

The term of this Agreement shall commence on the Effective Date, and will remain in full force and effect for the term indicated in Schedule A ("Term"). Upon expiration of the Initial Term, this agreement may renew upon the written consent of both parties.

6. Mutual Warranties and Disclaimer.

6.1. Mutual Representations & Warranties. Each party represents and warrants that it has full authority to enter into this Agreement and to fully perform its obligations hereunder.

6.2. Disclaimer. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NEITHER PARTY MAKES ANY WARRANTIES OF ANY KIND, WHETHER EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW.

7. Miscellaneous.

7.1. Limitation on Liability. Except as it relates to claims related to Section 4 or Section 7.2 of this Agreement, (a) in no event shall either party be liable to the other, whether in contract, warranty, tort (including negligence) or otherwise, for special, incidental, indirect or consequential damages (including lost profits) arising out of or

in connection with this Agreement; and (b) the total liability of either party for any and all damages, including, without limitation, direct damages, shall not exceed the amount of the total fees due to, or already paid to, TSL for the preceding twelve (12) months.

7.2. Indemnification. TSL shall indemnify and hold Client harmless from any and all claims, damages, losses and expenses, including but not limited to reasonable attorney fees, arising out of or resulting from any third party claim that the Services or any component thereof infringes or violates any intellectual property right of any person.

7.3. Assignment. Neither party may assign or delegate its rights or obligations pursuant to this Agreement without the prior written consent of the other, provided that such consent shall not be unreasonably withheld. Notwithstanding the foregoing, TSL may freely assign or transfer any or all of its rights without Client consent to an affiliate, or in connection with a merger, acquisition, corporate reorganization, or sale of all or substantially all of its assets.

7.4. Force Majeure. TSL shall have no liability for any failure or delay in performing any of its obligations pursuant to this Agreement due to, or arising out of, any act not within its control, including, without limitation, acts of God, strikes, lockouts, war, riots, lightning, fire, storm, flood, explosion, interruption or delay in power supply, computer virus, governmental laws or regulations.

7.5. No Waiver. No waiver, amendment or modification of this Agreement shall be effective unless in writing and signed by the parties.

7.6. Severability. If any provision of this Agreement is found to be contrary to law by a court of competent jurisdiction, such provision shall be of no force or effect; but the remainder of this Agreement shall continue in full force and effect.

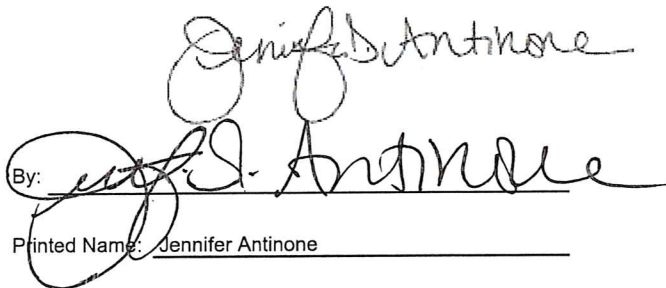
7.7. Entire Agreement. This Agreement and its exhibits represent the entire understanding and agreement between TSL and Client, and supersedes all other negotiations, proposals, understandings and representations (written or oral) made by and between TSL and Client.

IN WITNESS WHEREOF, the parties have executed this Agreement

TargetSolutions Learning, LLC

Client Name: Orange County Fire Authority

Address:

By: 
Printed Name: Jennifer Antinone
Title: Client Services Manager
Date: 3/23/18

By: _____
Printed Name: _____
Title: _____
Date: _____



Orange County Fire Authority
AGENDA STAFF REPORT

Executive Committee Meeting
April 26, 2018

Agenda Item No. 4A
Discussion Calendar

April 2018 Legislative Report

Contact(s) for Further Information

Brian Young, Assistant Chief
Operations Department

brianyoung@ocfa.org

714.573.6012

Jay Barkman, Legislative Analyst

jaybarkman@ocfa.org

714.573.6048

Summary

This item is submitted to notify the Executive Committee of AB 1912 (Rodriguez) and to recommend a support position on AB 2144 (Chen) and AB 2414 (Choi).

Prior Board/Committee Action

Not Applicable.

RECOMMENDED ACTION(S)

1. Adopt a position on AB 2144 (Chen) of "Support."
2. Adopt a position on AB 2414 (Choi) of "Support."

Impact to Cities/County

Not Applicable.

Fiscal Impact

Not Applicable.

Background

Staff is reviewing [AB 1912](#) by Assemblymember Rodriguez (D-Pomona), a bill requiring all members of a joint powers authority be jointly and severally liable for all obligations to a public retirement system. The bill revises OCFA's understanding of pension obligations and the liabilities of our member agencies. The bill is currently opposed by the California League of Cities and the California State Association of Counties. At this time, staff proposes the legislation be monitored and that further review be conducted with OCFA's legal counsel. Staff will return in May with additional analysis and a recommended position.

Additionally, staff is recommending the Executive Committee adopt positions on the following two bills:

AB 2144 (Chen) Chino Hills State Park

Staff Recommendation: Support

Status: Assembly Water, Parks, and Wildlife Committee

Reviewed by: Brian Norton, Division Chief/Operations Department

Assemblymember Chen amended AB 2144 on March 15, 2018, to require the California Department of Parks and Recreation (DPR) to develop and implement a Wildfire Management Plan for Chino Hills State Park. Assemblymember Chen's staff spoke with OCFA staff earlier in the year about concerns in the community, including the City of Yorba Linda, over the lack of proper fuels management in the park. Specifically, they believe DPR has not properly reduced vegetation or maintained defensible space between the park and adjoining communities.

The bill requires DPR to consult with the cities of Chino Hills, Yorba Linda, Corona, and Brea, as well as the OCFA, Chino Valley Fire District, and the Corona Fire Department to develop a Wildfire Management Plan that prioritizes firefighter and public safety. The plan will be required to include a fire prevention analysis, fuels management analysis, and recommend actions to manage fires and threats across agency boundaries.

Based on our meetings with staff, the bill is in-line with efforts by OCFA and other local, state, and federal partners to identify and mitigate wildfire risks. The bill requires DPR to coordinate and utilize plans from local communities, which should reduce time, effort, and cost to produce the plan.

OCFA staff shared the recently completed County-Wide Wildfire Protection Plan (CWPP), funded largely by OCFA with grant funds provide by CAL FIRE. The CWPP includes areas of Chino Hills State Park and the surrounding communities.

AB 2414 (Choi) Attic Vents

Staff Recommendation: Support

Status: Assembly Revenue and Taxation Committee

Reviewed by: Lori Smith, Assistant Chief/Community Risk Reduction Department

Assemblymember Choi amended AB 2414 on March 22, 2018, to provide a \$500 tax credit for homeowners who install attic vent closures on a residential property. The Assemblymember believes installing attic vents designed to prevent ember intrusion will prevent future damage or destruction of homes, which he believes occurred during the Canyon 2 Fire. Assemblymember Choi's district includes the areas affected by that fire.

Assemblymember Choi's staff met with OCFA in March to collect information about attic vents and our role in promoting home hardening. We discussed the fact that proper attic vents are one of many steps homeowners can take along with defensible space efforts. This includes pruning trees and reducing or replacing fuels that contribute to ember intrusion.

One concern with the bill that we expressed is whether local agencies will be tasked with verifying and certifying installation for homeowners to receive the tax credit. Assemblymember Choi's staff stated that is not how the bill will be implemented and not something he would support.

The bill is in-line with OCFA efforts to encourage home hardening, and does not impose any unfunded mandate on local agencies. Staff recommends a support position.

Attachment(s)

None.