



Moraga-Orinda Fire District

Board of Directors

REGULAR MEETING

March 16, 2016

6:00 p.m. CLOSED SESSION

7:00 p.m. OPEN SESSION

PLEASE NOTE NEW MEETING ADDRESS:

Moraga Library Community Room
1500 St. Mary's Road
Moraga, CA 94556

1. OPENING CEREMONIES

- 1.1. Call the meeting to Order
- 1.2. Roll Call
- 1.3. Core Values – Service, Honor, Integrity

2. PUBLIC COMMENT

The public is invited to speak on any matter not appearing on the agenda, including Closed Session, and within the subject matter jurisdiction of the District. Comments should be limited to three minutes. Please state your name and address for the record.

3. CLOSED SESSION

3.1. **Conference with Real Property Negotiators**

(Government Code Section 54956.8)

Agency Negotiator: Stephen Healy

Under Negotiations: Instructions to negotiator will concern price and terms of payment.

Real Property: 1035 Lorinda Lane, Lafayette, CA and 4268 El Nido Ranch Road, Lafayette, CA

4. RECONVENE THE MEETING

- 4.1. Call the meeting to Order
- 4.2. Pledge of Allegiance

5. REPORT OF CLOSED SESSION ACTION

6. PUBLIC COMMENT

The public is invited to speak on any matter not appearing on the agenda, and within the subject matter jurisdiction of the District. Comments should be limited to three minutes. Please state your name and address for the record.

7. CONSENT AGENDA

- 7.1. **Meeting Minutes – March 2, 2016**
Staff Recommendation: Receive and File
- 7.2. **Monthly Incident Report – February 2016**
Staff Recommendation: Receive and File
- 7.3. **Monthly Financial Reports – February 2016**
Staff Recommendation: Receive and File
- 7.4. **Monthly Check/Voucher Register – February 2016**
Staff Recommendation: Receive and File

8. REGULAR CALENDAR

- 8.1. **Resolution 16-06, A Resolution of the Moraga-Orinda Fire District Approving formation of the Moraga-Orinda Fire Protection District Public Facilities Financing Corporation**

Staff will present information to the Board on Resolution 16-06, A Resolution of the Moraga-Orinda Fire Protection District Approving formation of the Moraga-Orinda Fire Protection District Public Facilities Financing Corporation.

Staff Recommendation: 1) Discuss; 2) Deliberate; 3) Adopt Resolution 16-06

8.2. **Lorinda Lane Grant of Trail Easement to the City of Lafayette, CA for the Benefit of the General Public**

Staff will present information to the Board regarding the Lorinda Lane Grant of Trail Easement to the City of Lafayette.

Staff Recommendation: 1) Discuss; 2) Deliberate; 3) Authorize Grant of Trail Easement to the City of Lafayette, California

8.3. **Contract with Delta Dental of California**

Staff will present information to the Board regarding the contract with Delta Dental of California for the period April 1, 2016 through March 31, 2017.

Staff Recommendation: 1) Discuss; 2) Deliberate; 3) Authorize a contract with Delta Dental of California for the period April 1, 2016 through March 31, 2017

8.4. **Location for Regular Board Meetings**

Staff will present information to the Board regarding Board meeting location options.

Staff Recommendation: 1) Discuss; 2) Deliberate; 3) Provide Direction to Staff

8.5. **Station 43 Program Update**

Staff will provide an update on the Station 43 Program.

Staff Recommendation: 1) Discuss; 2) No action required; for information only

9. COMMITTEE REPORTS

9.1. **Finance Committee (*Directors Barber & Weil*)**

10. ANNOUNCEMENTS

10.1. **Brief information only reports related to meetings attended by a Director at District expense**

(Government Code Section 53232.3(d))

10.2. **Questions and informational comments from Board members and Staff**

10.3. **District Updates for February 2016**

11. ADJOURNMENT

The Moraga-Orinda Fire Protection District ("District"), in complying with the Americans with Disabilities Act ("ADA"), requests individuals who require special accommodations to access, attend and/or participate in District Board meetings due to a disability, to please contact the District Chief's office, (925) 258-4599, at least one business day prior to the scheduled District Board meeting to ensure that we may assist you.

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the Moraga-Orinda Fire District to a majority of members of the Board of Directors less than 72 hours prior to that meeting are available for public inspections at 1280 Moraga Way, Moraga, during normal business hours.

I hereby certify that this agenda in its entirety was posted on March 11, 2016, at the Moraga and Orinda Fire Administration offices, Stations 41, 42, 43, 44, and 45. Agenda provided to the Moraga Town Office (Hacienda) and Orinda City Hall.



Grace Santos, District Clerk



Moraga-Orinda Fire Protection District

BOARD OF DIRECTORS REGULAR BOARD MEETING MINUTES

March 2, 2016

1. Opening Ceremonies

The Board of Directors convened in Open Session at 6:00 P.M. on March 2, 2016 in the Moraga Town Council Chamber, 335 Rheem Blvd, Moraga, California. President Anderson was absent and Director Famulener participated via teleconference. Vice President Weil called the meeting to order.

Present were the following Directors and Staff:

Director Barber	Director Weil
Director Evans	Stephen Healy, Fire Chief
Director Famulener	Grace Santos, District Clerk

2. Public Comment

Jonathan Goodwin, resident of Canyon, stated that six months ago he informed the board about the issues with the Station 45 posterior parking. Mr. Goodwin stated that up until seven years ago, the District had a policy of no parking or storage under the station. He added that, according to the Fire Chief, the building is out of compliance with the County for parking and that the Board was never informed of this, nor was it included in the last facilities report. He feels that staff has known about the problem, taken steps to avoid damage to people and property by having the policy, but has not told anyone about it. Chief Healy stated that this is the first he has heard of the problem and will look into it.

3. Consent Agenda

Motion by Director Barber and seconded by Director Evans to receive and file Items 3.2 – Monthly Incident Report and 3.4 – Monthly Check/Voucher Register. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

Jonathan Goodwin, Canyon resident, asked to pull Item 3.1 – Meeting Minutes from the Consent Agenda and discuss separately. Mr. Goodwin accused Chief Healy of purposely sabotaging the State Responsibility Area (SRA) Grant application and stated that it was a very deliberate act. Mr. Goodwin asked the Board to include the substance of what he said into the minutes.

Motion by Director Evans and seconded by Director Barber to receive and file Item 3.1 – Meeting Minutes with the addition in item 6 of Public Comment to include that Jonathan Goodwin accused staff of purposely sabotaging the SRA Grant application. Director Weil directed staff to include Mr. Goodwin's prepared statement in the minutes as an attachment. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

Director Barber asked to pull Item 3.3 – Monthly Financial Reports from the Consent Agenda and discuss separately. Director Barber stated that he would like to have a conversation with Administrative Services Director Sasser about how the budgeted projections could be so close to actual for property tax revenues. He would also like to discuss forecasts of future revenues with ASD Sasser.

Motion by Director Barber and seconded by Director Evans to receive and file Item 3.3 – Monthly Financial Reports. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

4. Regular Calendar

4.1 Second Reading of Ordinance 16-01, An Ordinance of the Moraga-Orinda Fire Protection District Setting Forth Purchasing and Contracting Procedures and Authorities

At the February 3, 2016 Board meeting, the Board introduced and waived the first reading of Ordinance 16-01 – An Ordinance Setting Forth Purchasing and Contracting Procedures and Authorities. In addition, the Board scheduled a second reading of the Ordinance for the March 2, 2016 Board meeting.

In December 2015, the District needed to make an emergency repair to pipes at Station-45. In the case of an emergency, the current Purchasing Ordinance requires a Board meeting with all five members in attendance in order to authorize the repair of a public facility. During this process, the Board directed staff to research possible changes to the Purchasing Ordinance to give the fire chief authority to repair District facilities in an emergency without requiring the Board to meet. Staff worked with legal counsel to identify alternatives.

The proposed Ordinance 16-01 would implement the following changes:

- Section 4 – Clarifies the requirements for special and incidental services
- Section 5.1.1 – In the case of an emergency, the District Board delegates authority to the Fire Chief up to \$100,000 to repair or replace a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services and supplies for those purposes, without giving notice for bids. The proposed change also would require the Fire Chief to report information about the emergency action to the Board at its next meeting. Currently only the Board has authority in the case of an emergency.
- Section 6 – For Public Projects of \$100,000 or more, the District Board of Directors shall be the only Purchasing and Contracting Authority. This will increase the purchasing authority delegated to the Fire Chief. Currently public projects of \$10,000 or more must be approved by the Board.

There was a brief discussion by the Board and staff.

Motion by Director Barber and seconded by Director Evans to waive the second reading and adopt Ordinance 16-01, An Ordinance of the Moraga-Orinda Fire Protection District Setting Forth Purchasing and Contracting Procedures and Authorities. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

4.2 1035 Lorinda Lane

In July 2013, the District purchased land and a single family home located at 1035 Lorinda Lane in Lafayette, CA. The land was purchased as a potential site to build a joint fire station with Contra Costa County Fire Protection District (Station 46.) Subsequently, this program was discontinued. As a result, the District no longer has a use for the Lafayette property.

District Policy requires Board approval for the disposal of capital assets with an original purchase price of \$5,000 or more. The following capital asset has been determined to be surplus:

- Property and single family home located at 1035 Lorinda Lane, Lafayette, CA

Currently the District is renting the house to tenants. The tenants were given appropriate notice to vacate by March 28, 2016. The District can then stage the property and place the property on the market in spring 2016.

The District has been working with Coldwell Banker to manage the property. Coldwell Banker will sell the property for a commission of 5.5% of the purchase price.

Director Famulener asked who Larry and Elena Hood were, and if the District should send the contract for a realtor out to bid. Chief Healy stated that Larry and Elena Hood are with Coldwell Banker, and were the ones who helped the District purchase the property at 1035 Lorinda Lane. Chief Healy discussed the matter with District Counsel and asked if it was permissible to use them again for the sale of the property. Under the sole-source guidelines that staff uses, and because of the expertise of Larry and Elena Hood with the purchase of the property, it would be appropriate to use them again to assist in the sale.

Director Evans stated that he was involved in the decision to purchase the 1035 Lorinda Lane property and to use Larry and Elena Hood at the time. Director Evans was comfortable and satisfied with their work back then, and feels comfortable working with them again. Director Barber stated that he was also comfortable working with them.

Director Weil disclosed that over ten years ago, he represented Larry Hood's company but that there is currently no legal conflict. Director Weil has not represented Larry or Elena Hood since then and plans to vote on the matter.

Director Evans asked staff if there was anything else that needed to be done because of the way that the District holds the property with Lafayette. Mr. Hood stated that the title report shows that the Moraga-Orinda Fire District is the sole owner of the property. Director Evans directed staff to check with legal counsel regarding the Joint Powers Agreement.

Motion by Director Barber and seconded by Director Evans to declare 1035 Lorinda Lane, Lafayette, CA surplus property. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

Motion by Director Evans and seconded by Director Barber to authorize sale of 1035 Lorinda Lane, Lafayette, CA. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

Motion by Director Evans and seconded by Director Barber to authorize Listing Agreement with Coldwell Banker to sell 1035 Lorinda Lane, Lafayette, CA. Said motion carried a 3-0 roll-call vote (Ayes: Barber, Evans and Famulener; Absent: Anderson; Abstain: Weil).

Director Evans asked if it would be appropriate to have a closed session before or after offers were made. Chief Healy stated that he will do his best to get as much for the property as possible, and if he needs direction, he will reach out to the Board President. It is a matter of how involved the Board would like to be on the business side of the transaction.

Director Evans recommend having a brief closed session to discuss what some of the Board's expectations are for the sale of the property. Director Weil directed staff to consult with legal counsel whether the Brown Act exemption for negotiations extends to that topic in closed session. Director Weil stated that he would like to have the brokers available to answer questions from the Board.

4.3 Station 43 Project Update

In October of 2015, staff projected a cost range of \$3.74 to \$4.14 Million for the reconstruction of Station-43. This range included all known "hard" and "soft" costs. Staff was authorized to activate Phases-1 and 2 of the project following a Capital Projects Fund Budget increase in the amount of \$219,000.

In November of 2015, the board authorized staff to contract with Brandis Tallman, LLC to issue a direct placement lease agreement in the amount of \$4 Million for a 20-year term to finance the Station-43 reconstruction. That contract has been executed and work continued with planned funding in May 2016.

In January of 2016, staff tentatively agreed to terms with the St. Stephen's Church as the site for a temporary fire station (43). A proposed written agreement has been sent to the Church Vestry with approval anticipated. Staff will advise once a signed agreement has been executed. The total projected cost of the temporary fire station, including civil engineering, permits, rent, building purchase, disassembly, transport, set-up, communications, utilities, site construction costs, a canopy for apparatus, and storage units for turnouts is projected to be \$200,000. All of these costs are included in the \$4.495 Million project cost.

On February 26, 2016, staff received updated hard cost estimates for station construction of \$3,317,441 and soft cost estimates of \$1,178,500 for a total of \$4,495,941.

Director Barber disclosed that he serves on the Vestry for St. Stephens Church and will not take part in discussions when the matter is brought before them. Director Barber would also like to recuse himself if any discussions involving matters with St. Stephens Church arises at District Board meetings. Chief Healy asked that the Board separate any discussions about the construction of Station 43 from any discussion related to St. Stephens Church. The agreement with the church was not discussed during the meeting.

Alan Kawasaki, Architect for the Station 43 Project, answered questions from the Board.

Motion by Director Evans and seconded by Director Barber to authorize activation of Phases 3 and 4 of the project. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Barber, Evans, Famulener and Weil; Absent: Anderson).

5. Committee Reports

5.1 Finance Committee (Directors Barber & Weil)

There was nothing to report.

6. Announcements

6.1 Brief information only reports related to meetings attended by a Director at District expense

(Government Code Section 53232.3(d))

There was nothing to report.

6.2 Questions and informational comments from Board members and Staff

Director Weil inquired about the Council Chamber meeting room arrangements. District Clerk Santos informed the Board that the District booked the Council Chamber for all regular meetings except for those in October, November and December. During those months, the meetings will take place in the Moraga Library Community Room. District Clerk Santos reported that only water is allowed in the Council Chamber – no food or other drinks. Staff will include an item on the next agenda so that the Board can discuss a permanent location for future meetings. The Board asked staff to find an alternate location for the next meeting on March 16, 2016.


Chief Healy noted for the record that Director Famulener participated via teleconference because she just had major surgery.

6.3 District Updates for January 2016

Jonathan Goodwin, Canyon residents, encouraged staff to institute an annual clearance program. Mr. Goodwin inquired about the new Fire Prevention Software. District Clerk Santos explained that it is a new software used for construction permits and inspections, compliance and operational permits and inspections, and the exterior hazard abatement program.

7. Adjournment

At 8:30 P.M., Vice President Weil called for adjournment of the regular meeting.



Grace Santos
Secretary to the Board

MOFD Response Time Summary by Incident Type (grouped) for All Code 2 and Code 3 Responses.

Will only show Incident Types that are applicable. EMS/Rescue - Structure Fires (actual type is in structure) - Vegetation Fires - Other Types Grouped (Alarms/Hazards/Pub Svc/Etc) Data Based On Completed RMS Incident Report Data entered by Company Officer - Not based on Raw CAD Data...

	February, 2016			Totals
	Structure Fires	All Other Types	EMS / Rescue	
Incident Totals	4	96	123	223
Median Turnout	2.08	1.49	1.55	1.58
Median Resp Time	7.82	6.13	5.53	5.93
Resp Time (90th%)	11.67	10.73	10.07	10.50

Code 3 Response Time Summary by City and Incident Type. Times shown are based on the First Responding Units Arrival at Scene of Emergency.

		February, 2016			
		Incident Totals	Median Turnout	Median Resp Time	Resp Time (90th%)
Orinda	EMS / Rescue	48	1.63	5.36	8.47
	Structure Fires	3	5.03	6.33	6.33
	All Other Types	16	1.65	6.23	8.89
	Totals for City	67	1.65	5.53	8.80
Moraga	EMS / Rescue	50	1.48	4.18	6.33
	All Other Types	16	1.36	4.73	5.95
	Totals for City	66	1.45	4.28	6.27
Lafayette	EMS / Rescue	6	1.13	7.33	8.16
	Structure Fires	1	4.37	7.62	7.62
	All Other Types	1	1.27	4.90	4.90
	Totals for City	8	1.35	7.33	8.11
Overall Total		141	1.55	4.95	7.93

Response Totals By Incident Type

	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Total
All Others (Alarms / Pub Service / Etc.)	99	95	107	108	112	89	128	105	108	96	97	96	1,240
EMS / Rescue	133	138	149	146	158	148	187	155	163	162	154	116	1,809
Structure Fires	1	2	2	1	2	1	4	1	2	3	1	4	24
Technical Rescues				1	2	1				1			5
Vegetation Fires	1			4	9	6	1	1	1			1	24
Vehicle Accidents	11	16	10	14	25	18	10	14	17	26	10	6	177
Total	245	251	268	274	308	263	330	276	291	288	262	223	3,279

Incident Types

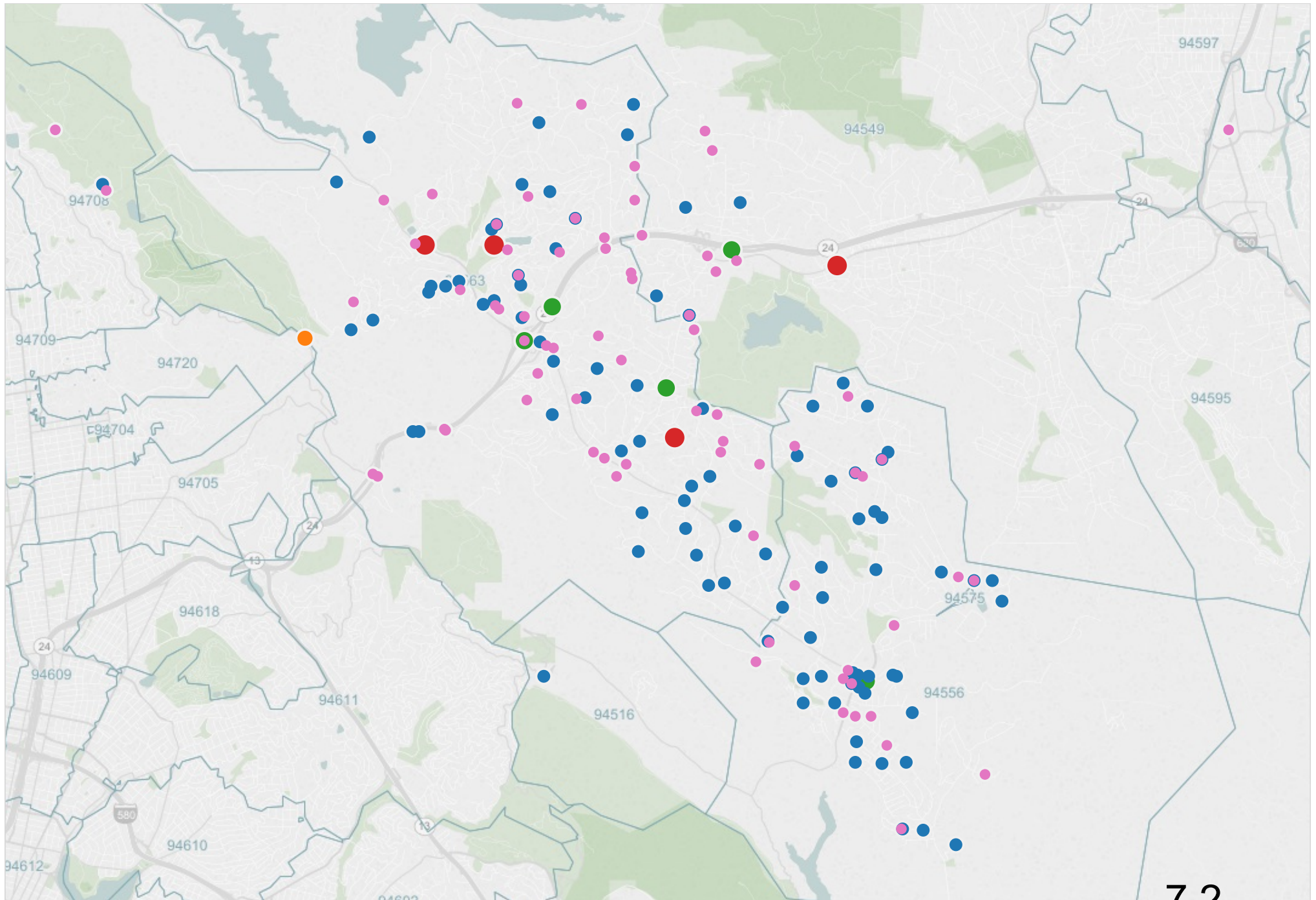
■ All Others (Alarms / Pub Service / Et.. ■ EMS / Rescue

■ Vegetation Fires

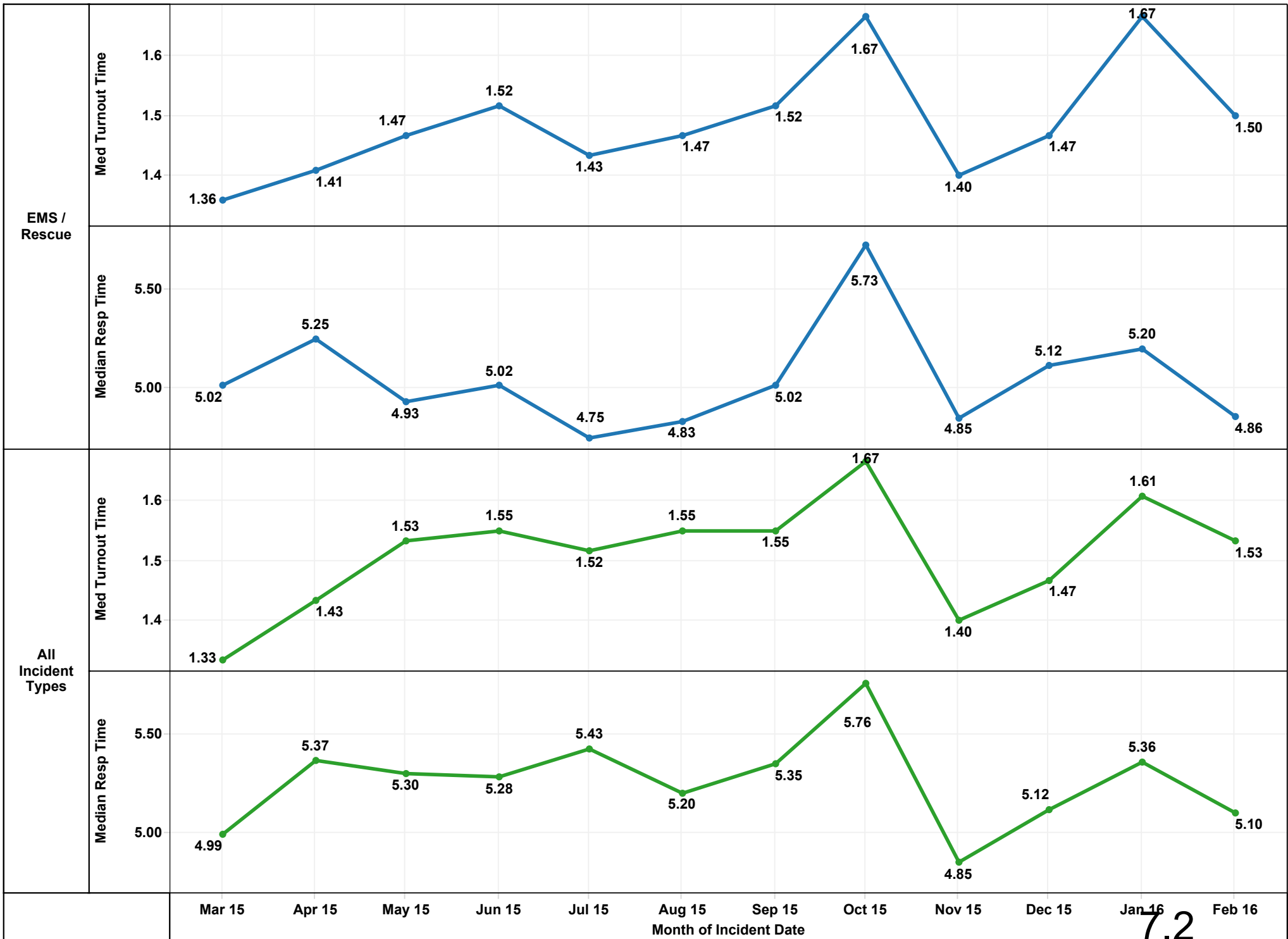
■ Vehicle Accidents

■ Structure Fires

Incident Location Map for MOFD February 2016



Run Chart for MOFD EMS / Rescue and All Incident Types for the last full 12 months. Median Turnout and Response Times By Month for First At Scene Units



7.2

Moraga-Orinda Fire District
Statement of Revenues and Expenditures - Capital Projects Fund Actual to Budget-15/16
From 7/1/2015 Through 2/29/2016

		Current Period Actual	YTD Budget - Original	YTD Budget Variance - Original	Percent Total Budget Remaining - Original
Revenue					
Taxes					
Fire Flow Tax	4066	1,070,213.78	1,070,214.00	(0.22)	(0.00)%
Total Taxes		1,070,213.78	1,070,214.00	(0.22)	(0.00)%
Use of Money & Property					
Investment Earnings	4181	(423.48)	0.00	(423.48)	0.00%
Total Use of Money & Property		(423.48)	0.00	(423.48)	0.00%
Charges for Service					
Impact Mitigation Fees	4743	12,000.00	12,000.00	0.00	0.00%
Total Charges for Service		12,000.00	12,000.00	0.00	0.00%
Other Revenue					
Misc Rebates & Refunds	4975	544.12	544.00	0.12	0.02%
Total Other Revenue		544.12	544.00	0.12	0.02%
Total Revenue		1,082,334.42	1,082,758.00	(423.58)	(0.04)%
Expenditures					
Operating Expense					
Professional Services	6327	1,230.00	7,390.00	6,160.00	83.36%
Total Operating Expense		1,230.00	7,390.00	6,160.00	83.36%
Other Expense					
Bank Fees	7510	86.00	100.00	14.00	14.00%
Fire Flow Tax Collection Fees	7531	12,610.46	12,610.00	(0.46)	(0.00)%
Capital Contingency-Facilities, ...	7700	24,571.20	75,950.00	51,378.80	67.65%
Fire Fighting Equip-Fixed Asset ...	7701	10,954.50	20,000.00	9,045.50	45.23%
Lease Apparatus/Vehicles-Fixed...	7702	44,609.16	89,219.00	44,609.84	50.00%
Apparatus/Vehicles-Fixed Asset...	7703	444,993.54	479,554.00	34,560.46	7.21%
Computer Equip & Software-Fix...	7704	0.00	21,823.75	21,823.75	100.00%
Buildings-Station #41-Fixed Ass...	7705	18,071.38	72,000.00	53,928.62	74.90%
Buildings-Station #43-Fixed Ass...	7706	24,789.66	110,146.00	85,356.34	77.49%
Misc. Equipment Expense	7709	70,042.79	60,675.00	(9,367.79)	(15.44)%
Station 46- Construction in Prog...	7711	12,135.59	12,030.00	(105.59)	(0.88)%
Total Other Expense		662,864.28	954,107.75	291,243.47	30.53%
Total Expenditures		664,094.28	961,497.75	297,403.47	30.93%
Excess of Revenues Over/ (Under) Expenditures		418,240.14	121,260.25	296,979.89	244.91%

Moraga-Orinda Fire District
Statement of Revenues and Expenditures - General Fund Actual to Budget 15/16
From 7/1/2015 Through 2/29/2016

		Current Period Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Revenue					
Taxes					
Property Tax-Current Secured	4010	16,430,896.18	16,440,128.00	(9,231.82)	(0.06)%
Property Tax-Supplemental	4011	101,735.95	228,000.00	(126,264.05)	(55.38)%
Property Tax-Unitary	4013	203,699.11	203,699.00	0.11	0.00%
Property Tax-Curr Unsecured	4020	561,494.41	605,000.00	(43,505.59)	(7.19)%
Prop Tax- Prior Secured	4030	(61,010.11)	(61,010.00)	(0.11)	0.00%
Prop Tax-Prior Supplement	4031	(25,262.41)	(25,262.00)	(0.41)	0.00%
Prop Tax Prior Unsecured	4035	<u>11,549.84</u>	<u>(16,362.00)</u>	<u>27,911.84</u>	<u>(170.59)%</u>
Total Taxes		17,223,102.97	17,374,193.00	(151,090.03)	(0.87)%
Use of Money & Property					
Investment Earnings	4181	<u>(287.86)</u>	<u>0.00</u>	<u>(287.86)</u>	<u>0.00%</u>
Total Use of Money & Property		(287.86)	0.00	(287.86)	0.00%
Intergovernmental Revenue					
Homeowners Relief Tax	4385	78,301.69	158,000.00	(79,698.31)	(50.44)%
Intergovernmental	4437	301,256.00	323,896.00	(22,640.00)	(6.99)%
Revenue-Federal Grants					
CA FF JAC Training Funds	4440	25,091.41	25,091.00	0.41	0.00%
Other/In Lieu of Taxes	4580	0.00	1,000.00	(1,000.00)	(100.00)%
Measure H-Emerg Med Ser Subsid	4896	0.00	85,748.00	(85,748.00)	(100.00)%
Total Intergovernmental Revenue		<u>404,649.10</u>	<u>593,735.00</u>	<u>(189,085.90)</u>	<u>(31.85)%</u>
Charges for Service					
Permits	4740	1,604.00	3,200.00	(1,596.00)	(49.88)%
Plan Review	4741	110,902.00	171,360.00	(60,458.00)	(35.28)%
Inspection Fees	4742	22,784.00	21,000.00	1,784.00	8.50%
Weed Abatement Charges	4744	3,465.02	3,465.00	0.02	0.00%
CPR/First Aid Classes	4745	633.00	1,100.00	(467.00)	(42.45)%
Reports/ Photocopies	4746	267.50	242.00	25.50	10.54%
Other Charges for Service	4747	<u>5,730.00</u>	<u>3,400.00</u>	<u>2,330.00</u>	<u>68.53%</u>
Total Charges for Service		145,385.52	203,767.00	(58,381.48)	(28.65)%
Charges for Service - Ambulance					
Ambulance Service Fees	4898	605,340.84	1,088,000.00	(482,659.16)	(44.36)%
Ambulance Service Fee Reimbursements	4899	(24,724.01)	(100,000.00)	75,275.99	(75.28)%
Ambulance Collection Recovery Payments	4900	1,808.47	4,000.00	(2,191.53)	(54.79)%
Total Charges for Service - Ambulance		<u>582,425.30</u>	<u>992,000.00</u>	<u>(409,574.70)</u>	<u>(41.29)%</u>
Other Revenue					
Other Revenue-Strike Team Recovery	4971	133,237.92	233,092.00	(99,854.08)	(42.84)%
Other Revenue & Financing Sources	4972	11,700.00	62,000.00	(50,300.00)	(81.13)%
Other Revenue-Misc.	4974	961.17	500.00	461.17	92.23%
Misc Rebates & Refunds	4975	737.97	1,000.00	(262.03)	(26.20)%
Sale of Surplus Property	4980	<u>355.00</u>	<u>2,000.00</u>	<u>(1,645.00)</u>	<u>(82.25)%</u>
Total Other Revenue		<u>146,992.06</u>	<u>298,592.00</u>	<u>(151,599.94)</u>	<u>(50.77)%</u>
Total Revenue		<u>18,502,267.09</u>	<u>19,462,287.00</u>	<u>(960,019.91)</u>	<u>(4.93)%</u>
Expenditures					
Salaries & Benefits					
Permanent Salaries	5011	4,986,872.71	7,515,349.00	2,528,476.29	33.64%
Temporary Salaries	5013	103,438.20	166,800.00	63,361.80	37.99%

Moraga-Orinda Fire District
Statement of Revenues and Expenditures - General Fund Actual to Budget 15/16
From 7/1/2015 Through 2/29/2016

		Current Period Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Overtime	5014	1,224,887.68	1,958,422.00	733,534.32	37.46%
Deferred Compensation	5015	70,821.54	106,578.00	35,756.46	33.55%
Overtime - Strike Team	5016	137,003.83	150,000.00	12,996.17	8.66%
Contract Services	5018	44,955.97	180,000.00	135,044.03	75.02%
Worker's Compensation Recovery	5019	(36,961.57)	(65,000.00)	(28,038.43)	43.14%
Payroll Taxes -FICA,SUI	5042	101,494.16	157,000.00	55,505.84	35.35%
Payroll Processing Fees	5043	8,952.42	20,000.00	11,047.58	55.24%
Retirement Contributions	5044	2,766,255.55	4,136,778.00	1,370,522.45	33.13%
Life/Health Insurance-Permanent Employees	5060	634,003.40	985,000.00	350,996.60	35.63%
Employee's-Health Insurance Contribution	5061	(135,995.59)	(200,000.00)	(64,004.41)	32.00%
Retiree Health Insurance	5062	789,663.03	1,200,000.00	410,336.97	34.19%
Retiree-Health Insurance Contribution	5063	(214,678.92)	(329,000.00)	(114,321.08)	34.75%
Unemployment Insurance	5064	3,413.14	10,000.00	6,586.86	65.87%
Retiree-Health OPEB Contribution	5065	94,000.00	94,000.00	0.00	0.00%
Workers' Compensation Insurance	5070	589,619.00	815,069.00	225,450.00	27.66%
Flexible Benefits/ Section 125 Outside Contractor	5080	420.00	750.00	330.00	44.00%
Total Salaries & Benefits		11,168,164.55	16,901,746.00	5,733,581.45	33.92%
Operating Expense					
Office Supplies	6100	6,209.24	19,850.00	13,640.76	68.72%
Postage	6101	2,887.68	5,950.00	3,062.32	51.47%
Books & Periodicals	6102	931.73	4,950.00	4,018.27	81.18%
Printer Ink Cartridges	6103	3,133.91	5,000.00	1,866.09	37.32%
Telephone/Communication	6110	23,283.78	45,000.00	21,716.22	48.26%
Dispatch/Comm Center Services w/ AVL MDT	6111	138.00	170,000.00	169,862.00	99.92%
Utilities- Sewer	6120	3,432.64	2,640.00	(792.64)	(30.02)%
Utilities-Garbage	6121	9,651.52	14,720.00	5,068.48	34.43%
Utilities-PG&E	6122	36,994.48	66,890.00	29,895.52	44.69%
Utilities-Water	6123	6,835.89	15,020.00	8,184.11	54.49%
Utilities-Medical Waste	6124	1,501.00	2,070.00	569.00	27.49%
Small Tools & Instruments	6130	0.00	750.00	750.00	100.00%
Minor Equipment/Furniture	6131	917.13	2,250.00	1,332.87	59.24%
Computer Equipment & Supplies	6132	371.09	10,000.00	9,628.91	96.29%
Gas Power Chain Saw/Other Equipmen	6133	7,663.94	13,000.00	5,336.06	41.05%
Fire Trail Grading	6135	4,816.72	10,500.00	5,683.28	54.13%
Fire Fighting Equipment & Supplies	6137	6,144.50	20,000.00	13,855.50	69.28%
Fire Fighting Equipment-Hoses & Nozzles	6138	1,610.87	7,500.00	5,889.13	78.52%
Fire Fighting Equipment-Class A Foam	6139	170.00	500.00	330.00	66.00%
Medical & Lab Supplies	6140	55,165.71	90,000.00	34,834.29	38.70%
Food Supplies	6150	575.08	7,500.00	6,924.92	92.33%

Moraga-Orinda Fire District
Statement of Revenues and Expenditures - General Fund Actual to Budget 15/16
From 7/1/2015 Through 2/29/2016

		Current Period Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Safety Clothing & Personal Supplies	6160	29,851.63	80,000.00	50,148.37	62.69%
Non-Safety Clothing & Personal Supplies	6161	550.00	2,000.00	1,450.00	72.50%
Household Expense	6170	11,125.23	18,820.00	7,694.77	40.89%
Household Expense-Linen	6171	8,778.25	14,730.00	5,951.75	40.41%
Public & Legal Notices	6190	1,345.04	4,750.00	3,404.96	71.68%
Dues, Memberships & Professional Fees	6200	14,650.50	19,390.00	4,739.50	24.44%
EMT/Paramedic Licensure Fees	6201	1,450.29	5,500.00	4,049.71	73.63%
Rent & Leases (Equipment)	6250	28,683.03	39,140.00	10,456.97	26.72%
Computer Software & Maintenance	6251	36,894.60	59,875.00	22,980.40	38.38%
Website Development & Maintenance	6252	0.00	1,700.00	1,700.00	100.00%
EPA ID# Verification Fee	6264	150.00	200.00	50.00	25.00%
CCC HazMat Plan (CUPA)	6265	2,519.00	3,000.00	481.00	16.03%
BAAQMD & Environmental Health Fees	6266	0.00	750.00	750.00	100.00%
Air Monitor Maintenance & Replacement	6269	0.00	2,000.00	2,000.00	100.00%
Maintenance -- Equipment	6270	22,758.40	77,325.00	54,566.60	70.57%
Central Garage Repairs	6271	73,152.75	160,000.00	86,847.25	54.28%
Central Garage Gasoline & Oil	6272	30,632.33	80,000.00	49,367.67	61.71%
Central Garage Tires	6273	2,837.16	15,000.00	12,162.84	81.09%
Service/Repair Fuel System Dispensers	6274	2,118.27	4,500.00	2,381.73	52.93%
Aerial Ladder & Pump Testing	6275	0.00	800.00	800.00	100.00%
Smog Inspections	6276	400.00	500.00	100.00	20.00%
Air Compressor Quarterly Service	6278	1,513.88	1,500.00	(13.88)	(0.93)%
Hydro Test SCBA & Oxy Cylinder	6279	702.00	2,000.00	1,298.00	64.90%
Tank Testing	6280	0.00	3,000.00	3,000.00	100.00%
Maintenance -- Building	6281	44,515.94	75,865.00	31,349.06	41.32%
Maintenance -- Grounds	6282	1,906.03	13,650.00	11,743.97	86.04%
Meetings & Travel Expenses	6303	16,795.77	26,200.00	9,404.23	35.89%
Employee Assistance Program	6309	2,750.80	4,300.00	1,549.20	36.03%
Medical - Pre-Emp Processing and Annual Exams	6311	36,133.28	43,000.00	6,866.72	15.97%
Ambulance Billing Administration Fees	6312	25,390.33	60,000.00	34,609.67	57.68%
Outside Attorney Fees	6313	32,056.97	60,000.00	27,943.03	46.57%
Outside CPR Instructors	6314	2,060.00	2,500.00	440.00	17.60%
CCC County Tax Administration Fee	6316	0.00	172,000.00	172,000.00	100.00%
Professional Services	6317	8,606.82	45,750.00	37,143.18	81.19%
Professional Services - Labor Negotiator	6318	202.00	10,000.00	9,798.00	97.98%
Professional Services - Technology	6319	97,762.00	180,000.00	82,238.00	45.69%
Professional Services - Pre-Employment Investigations	6320	0.00	15,000.00	15,000.00	100.00%

Moraga-Orinda Fire District
Statement of Revenues and Expenditures - General Fund Actual to Budget 15/16
From 7/1/2015 Through 2/29/2016

		Current Period Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Professional Services - Promotional Exams & Recruitment	6321	30,154.65	49,000.00	18,845.35	38.46%
Professional Services-OPEB Actuarial Valuation	6322	0.00	2,000.00	2,000.00	100.00%
Exterior Hazard Removal	6323	3,121.50	12,000.00	8,878.50	73.99%
Professional Services-Prop Tax Audit & Forecasting	6326	9,450.00	12,600.00	3,150.00	25.00%
Professional Services	6327	500.00	10,000.00	9,500.00	95.00%
Burn Trailer Grant Maintenance	6352	0.00	3,000.00	3,000.00	100.00%
Testing Materials & Training Props	6354	1,222.98	4,000.00	2,777.02	69.43%
Career Development Classes	6357	9,190.44	26,200.00	17,009.56	64.92%
Target Safety Online Training	6359	6,195.00	6,195.00	0.00	0.00%
Training & Education Classes-Paramedic & EMT CE	6360	4,665.75	5,500.00	834.25	15.17%
District Sponsored Training-Mandated	6361	16,996.73	20,000.00	3,003.27	15.02%
Educational Courses/Conferences Board	6377	0.00	2,200.00	2,200.00	100.00%
Recruiting Costs	6470	0.00	55,000.00	55,000.00	100.00%
Strike Team Supplies	6474	11,705.27	9,500.00	(2,205.27)	(23.21)%
Recognition Supplies	6478	7,208.41	12,200.00	4,991.59	40.91%
Other Special Departmental Exp	6479	35,575.02	69,500.00	33,924.98	48.81%
Public Education Supplies	6480	1,636.67	10,500.00	8,863.33	84.41%
CPR Supplies	6481	1,216.10	3,000.00	1,783.90	59.46%
LAFCO	6482	9,942.78	9,943.00	0.22	0.00%
Emergency Preparedness Expense	6484	6,174.01	11,350.00	5,175.99	45.60%
Misc. Services & Supplies	6490	10,499.96	39,000.00	28,500.04	73.08%
Property & Liability Insurance	6540	44,684.00	44,684.00	0.00	0.00%
Total Operating Expense		<u>920,866.48</u>	<u>2,236,207.00</u>	<u>1,315,340.52</u>	<u>58.82%</u>
Other Expense					
Bank Fees	7510	3,101.54	5,000.00	1,898.46	37.97%
Interest on County Teeter Account	7520	0.00	100.00	100.00	100.00%
County Tax Collection Fees	7530	252.91	300.00	47.09	15.70%
Total Other Expense		<u>3,354.45</u>	<u>5,400.00</u>	<u>2,045.55</u>	<u>37.88%</u>
Total Expenditures		<u>12,092,385.48</u>	<u>19,143,353.00</u>	<u>7,050,967.52</u>	<u>36.83%</u>
Excess of Revenues Over/ (Under) Expenditures		<u>6,409,881.61</u>	<u>318,934.00</u>	<u>6,090,947.61</u>	<u>1,909.78%</u>

Moraga-Orinda Fire District
Statement of Revenues and Expenditures - Debt Service Fund Actual to Budget-15/16
From 7/1/2015 Through 2/29/2016

		Current Period Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Revenue					
Taxes					
Property Tax-Current Secured	4010	3,069,093.00	3,069,093.00	0.00	0.00%
Total Taxes		<u>3,069,093.00</u>	<u>3,069,093.00</u>	<u>0.00</u>	<u>0.00%</u>
Use of Money & Property					
Investment Earnings	4181	142.83	0.00	142.83	0.00%
Total Use of Money & Property		<u>142.83</u>	<u>0.00</u>	<u>142.83</u>	<u>0.00%</u>
Total Revenue		<u>3,069,235.83</u>	<u>3,069,093.00</u>	<u>142.83</u>	<u>0.00%</u>
Expenditures					
Other Expense					
Pension Obligation Bond Principal Payment	7900	1,855,000.00	1,855,000.00	0.00	0.00%
Pension Obligation Bond Interest Payment	7901	1,017,508.50	1,017,509.00	0.50	0.00%
Total Other Expense		<u>2,872,508.50</u>	<u>2,872,509.00</u>	<u>0.50</u>	<u>0.00%</u>
Total Expenditures		<u>2,872,508.50</u>	<u>2,872,509.00</u>	<u>0.50</u>	<u>0.00%</u>
Excess of Revenues Over/ (Under) Expenditures		<u>196,727.33</u>	<u>196,584.00</u>	<u>143.33</u>	<u>0.07%</u>

Moraga-Orinda Fire District
 Check/Voucher Register - Check Register
 From 2/1/2016 Through 2/29/2016

Check Number	Check Date	Name	Check Amount	Transaction Description
23004	2/8/2016	ADP, Inc.	321.00	ADP Payroll Fees ending 01/15/16
23005	2/8/2016	Airgas USA, LLC	339.88	Oxygen-Station 44- #2902766
23006	2/8/2016	ALSCO - American Line...	1,166.40	January 2016 linen
23007	2/8/2016	American Messaging	145.80	Paging Service February 2016
23008	2/8/2016	Bandwidth.com, Inc.	420.19	Service 02/1/16-02/29/16
23009	2/8/2016	BKF Engineers	6,217.94	Services Nov. 16, 2015 to Dec. 20, 2015-Station 41 w...
23010	2/8/2016	FASIS - Calif Bank and ...	195,851.00	3rd Qtr FY15/16 Workers Comp
23011	2/8/2016	Definitive Networks, Inc.	13,816.00	Service coverage for Jan 2016
23012	2/8/2016	HdL Coren & Cone	3,150.00	Contract services-Property taxes 01/01/16-03/31/16
23013	2/8/2016	L.N. Curtis & Sons	403.30	Structure boots-Hess
23014	2/8/2016	Mark McCullah	23.95	Reimb for St. 44 BBQ igniter and tool cleaning equip. ...
	2/8/2016	Mark McCullah	34.86	Reimb. for Station 45 BBQ igniter
23015	2/8/2016	Triple R Electric	1,485.00	Misc station electrical repairs
23016	2/8/2016	Kenneth L. Akins	1,675.00	Salary survey-Locals 1230 and 2700- Final payment
	2/8/2016	Kenneth L. Akins	4,500.00	Salary survey-Unrepresented Employees-In Full
23017	2/8/2016	U.S. Bank	8,039.12	A/C #4246-0445-5564-6748 12/22/15
23018	2/8/2016	Verizon Wireless	1,152.78	Account 623714059-00001 Service 12/24/15-01/23/16
23019	2/8/2016	AFSCME Council 57	161.16	Period Ending 01/31/16
23020	2/8/2016	CCCERA Retirement	153,132.65	January 2016 Employee Contributions
23021	2/8/2016	Contra Costa Federal C...	1,485.25	Period Ending 01/31/16
23022	2/8/2016	IAFF Local 1230 Dues	9,852.04	Period Ending 01/31/16
23023	2/8/2016	IAFF Local 1230 Insura...	1,640.94	Period Ending 01/31/16
23024	2/8/2016	Moraga-Orinda Fire Dist...	2,163.49	Wells Fargo #2042172789 HCSA Period Ending 01/31...
23025	2/11/2016	Airgas USA, LLC	167.65	Tank Rental-Station 41- #2118770 -January 2016
	2/11/2016	Airgas USA, LLC	30.64	Tank Rental-Station 44- #2902766 -January 2016
	2/11/2016	Airgas USA, LLC	207.64	Tank Rental-Station 45- #2867225 -January 2016
23026	2/11/2016	Alameda County Sheriff...	1,648.00	EVOC training-2/19/16
23027	2/11/2016	The Appliance Doctor	310.51	Oven repair
23028	2/11/2016	AT&T	12.24	Acct#0011712900145 12/01/15-01/31/16 Conference ...
23029	2/11/2016	Bay Area News Group	565.88	Legal notices-Fee Schedule & Tax Liens
23030	2/11/2016	Benefit Administration C...	60.00	January 2016
23031	2/11/2016	Central Contra Costa S...	170.00	Disposal of Class B foam
23032	2/11/2016	Comcast	86.32	8155 40 005 0208428 Station 41-01/29/16-02/28/16
23033	2/11/2016	Employment Developm...	163.00	UI-10/01/15-12/31/15
23034	2/11/2016	Envirocheck	800.00	Asbestos test-Admin bathroom water damage
23035	2/11/2016	Hunt & Sons, Inc.	897.54	Fuel A/C #72371
	2/11/2016	Hunt & Sons, Inc.	850.47	Fuel A/C #72372
	2/11/2016	Hunt & Sons, Inc.	477.44	Fuel A/C #72375
23036	2/11/2016	Industrial Safety Supply	324.00	12 hydrostatic tests
23037	2/11/2016	The KSD Group, Inc.	963.18	Management Services 12/26/15-01/25/16
23038	2/11/2016	Lamorinda CERT Foun...	472.50	Water drums for stations
23039	2/11/2016	L.N. Curtis & Sons	3,448.72	Academy-Misc. equipment
	2/11/2016	L.N. Curtis & Sons	1,513.88	Repair and service Mako SCBA air compressor
23040	2/11/2016	NBS	660.00	Consulting services through January 31, 2016
23041	2/11/2016	Office Depot	156.63	Ink cartridges, copy paper and storage files
	2/11/2016	Office Depot	76.56	Label maker and tape
23042	2/11/2016	Brian Oliver	160.00	Per Diem- 2/1/16-2/3/16 San Diego Conference- B. Oli...
23043	2/11/2016	Orinda Motors, Inc.	162.45	Replace parking brake on Unit 435
23044	2/11/2016	Paymentus Group, Inc.	51.58	Credit card fees-January 2016
23045	2/11/2016	Premier COMP Medical ...	835.00	Annual Exam
	2/11/2016	Premier COMP Medical ...	110.00	Pre-Employment Exam
23046	2/11/2016	Shred-it	66.00	February 2016 pick-up
23047	2/11/2016	Staples Advantage	271.70	Misc. supplies-Station 41
	2/11/2016	Staples Advantage	94.30	Misc. supplies-Station 44
23048	2/11/2016	U.S. Bank	168.14	A/C #4246-0445-5564-6748 12/22/15
23049	2/11/2016	Vacaville Fire Department	1,400.00	Trench Rescue class 5/9/16-5/11/16

Moraga-Orinda Fire District
 Check/Voucher Register - Check Register
 From 2/1/2016 Through 2/29/2016

Check Number	Check Date	Name	Check Amount	Transaction Description
23050	2/11/2016	Trenton Willis	180.00	CPR class-St. Mary's College 02/02/16
23051	2/11/2016	Steven Woods	180.00	CPR class-St. Mary's College 02/02/16
23052	2/18/2016	ADP, Inc.	359.48	ADP Payroll Fees ending 01/31/16
23053	2/18/2016	Alameda County Sheriff...	412.00	EVOC training-J. Costanza 2/19/16 class
23054	2/18/2016	Daryle Balao	395.00	Chief Fire Officer 3D-Balao
	2/18/2016	Daryle Balao	160.00	Per Diem- 2/1/16-2/3/16 San Diego Conference-D. Bal...
23055	2/18/2016	Felipe Barreto	245.00	PHTLS-F. Barreto
23056	2/18/2016	COIT Services, Inc.	2,190.00	Full system HVAC cleaning
23057	2/18/2016	Comcast	86.25	8155 40 006 0191002 Station 44-02/14/16-03/13/16
	2/18/2016	Comcast	86.25	8155 40 006 0191028 Station 43-02/14/16-03/13/16
23058	2/18/2016	EBMUD	121.84	Water 11/30/15-02/02/16
	2/18/2016	EBMUD	182.60	Water 12/03/15-02/04/16 3/4" meter
	2/18/2016	EBMUD	392.28	Water 12/03/15-02/04/16 6" meter
23059	2/18/2016	Federal Express	25.68	Envelope to CCCERA
	2/18/2016	Federal Express	47.23	Envelope to Citibank and for HR
23060	2/18/2016	Anthony Grgurevic	160.00	Per Diem- 2/1/16-2/3/16 San Diego Conference-A. Gr...
23061	2/18/2016	HomeTeam Pest Defen...	42.90	Pest Control A/C #1029632
	2/18/2016	HomeTeam Pest Defen...	42.90	Pest Control A/C #1035425
	2/18/2016	HomeTeam Pest Defen...	53.00	Pest Control A/C #1035425-Lorinda
	2/18/2016	HomeTeam Pest Defen...	40.90	Pest Control A/C #1133175
	2/18/2016	HomeTeam Pest Defen...	42.90	Pest Control A/C #914925
	2/18/2016	HomeTeam Pest Defen...	44.60	Pest Control A/C #916501
23062	2/18/2016	Industrial Safety Supply	378.00	14 Scott hydrostatic tests-Station 44
23063	2/18/2016	L.N. Curtis & Sons	517.39	SCBA training regulator
	2/18/2016	L.N. Curtis & Sons	754.12	Wildland coats-Elbanna and Airola
23064	2/18/2016	Michael Martinez	395.00	Chief Fire Officer 3A-M. Martinez
23065	2/18/2016	Mark McCullah	41.15	Reimb. purchase cooler replacement parts
23066	2/18/2016	Office Depot	114.77	Copy paper, post-its and dell toner ink
	2/18/2016	Office Depot	5.51	Void stamp
23067	2/18/2016	The Orinda Association	50.00	Annual Membership
23068	2/18/2016	Berry Brothers Towing	450.00	Tow M45 to ALCO shop for repairs
23069	2/18/2016	Pacific Gas & Electric	438.06	01/04/16-02/01/16 Station 43
	2/18/2016	Pacific Gas & Electric	807.27	01/05/16-02/02/16 Station 44
	2/18/2016	Pacific Gas & Electric	942.59	01/05/16-02/02/16 Station 45
	2/18/2016	Pacific Gas & Electric	418.12	01/06/16-02/03/16 Admin
	2/18/2016	Pacific Gas & Electric	804.27	01/06/16-02/03/16 Station 41
	2/18/2016	Pacific Gas & Electric	743.50	01/06/16-02/03/16 Station 42 Electric
	2/18/2016	Pacific Gas & Electric	544.97	01/07/16-02/04/16 Station 42 Gas
23070	2/18/2016	Physio-Control, Inc	536.32	LP12 monitor service- Unit 11315842
	2/18/2016	Physio-Control, Inc	155.00	LP12 monitor service- Unit 11824076
	2/18/2016	Physio-Control, Inc	248.00	LP12 monitor service- Unit 12417007
23071	2/18/2016	Republic Services	623.97	Feb. 2016 Trash A/C#302100093245
	2/18/2016	Republic Services	79.73	Feb. 2016 Trash A/C#302100094052
	2/18/2016	Republic Services	423.01	Feb. 2016 Trash A/C#302100095331
	2/18/2016	Republic Services	79.73	Feb. 2016 Trash A/C#302100108522
23072	2/18/2016	Shah Kawasaki Architects	5,817.25	Services 01/01/16 thru 01/31/16
23073	2/18/2016	Staples Advantage	100.31	Misc. supplies-Station 45
23074	2/18/2016	Pete Stathakos	160.00	CPR class-St. Mary's College 02/09/16
23075	2/18/2016	William Svozil	6,539.45	Services 1/09/16-2/16/16
23076	2/18/2016	Trenton Willis	160.00	CPR class-St. Mary's College 02/09/16
	2/18/2016	Trenton Willis	180.00	CPR class-St. Mary's College 02/16/16
23077	2/18/2016	Steven Woods	180.00	CPR class-St. Mary's College 02/16/16
23078	2/26/2016	ADP, Inc.	323.57	ADP Payroll Fees ending 02/15/16
23079	2/26/2016	Air Systems, Inc.	68.00	Annual Coil cleaning-St. #43
	2/26/2016	Air Systems, Inc.	138.00	Annual Coil cleaning-St. #45
	2/26/2016	Air Systems, Inc.	192.00	Dec. 2015 HVAC Maint-St. #43

Moraga-Orinda Fire District
 Check/Voucher Register - Check Register
 From 2/1/2016 Through 2/29/2016

Check Number	Check Date	Name	Check Amount	Transaction Description
	2/26/2016	Air Systems, Inc.	431.00	Dec. 2015 HVAC Maint-St. #45
	2/26/2016	Air Systems, Inc.	252.00	Unit heater Maint-St. #42
	2/26/2016	Air Systems, Inc.	140.00	Unit heater Maint-St. #43
	2/26/2016	Air Systems, Inc.	252.00	Unit heater Maint-St. #45
23080	2/26/2016	AT&T Mobility	1,203.08	Phone Acct #287016079073 02/16/16-03/15/16 and n...
23081	2/26/2016	Biomedical Waste Disp...	79.00	Feb. 2016 Medical Waste A/C #0349
	2/26/2016	Biomedical Waste Disp...	79.00	Feb. 2016 Medical Waste A/C #0350
23082	2/26/2016	Bound Tree Medical, LLC	3,643.58	Misc supplies
23083	2/26/2016	Contra Costa County Fir...	300.00	2015-2016 Dues for Chief, 3 BC's and Fire Marshal
23084	2/26/2016	Erna Clarvoe	1,861.65	Refund patient payment-ambulance invoice of 8/18/15...
23085	2/26/2016	Classic Graphics	1,911.03	Reflective chevron installation-Unit 408
23086	2/26/2016	Sarah Dailley	118.26	Refund overpayment-Claim 52955-619081-1 8/25/15
23087	2/26/2016	Eric Dausman	1,587.93	CERT GMRS Repeaters
23088	2/26/2016	Dell Financial Services	571.83	Rental & Admin Fee 03/13/16-04/12/16 A/C #001-840...
23089	2/26/2016	Entenmann-Rovin Co.	125.73	Retiree badge-reimb. by Memtink
	2/26/2016	Entenmann-Rovin Co.	236.55	Retiree badges-reimb. by Rodgers and Aquilina
23090	2/26/2016	General Roofing Compa...	3,940.00	Replace broken tiles, caulked skylights,installed flashb...
	2/26/2016	General Roofing Compa...	395.00	Unplugged downspouts-1/13/16
23091	2/26/2016	Holy Shepherd Luthera...	443.00	Refund overpayment Operational Permit payment
23092	2/26/2016	Leader Emergency Vehi...	2,655.54	Remaining balance for 2 new Leader ambulances
23093	2/26/2016	L.N. Curtis & Sons	237.34	Repair wildland pants
	2/26/2016	L.N. Curtis & Sons	316.46	Wildland pants-Hoover
23094	2/26/2016	Sean McGee	20.52	Reimb mileage to return to work
23095	2/26/2016	Meyers,Nave,Riback,Sil...	7,756.35	January 2016-Client Matter 1025.001
	2/26/2016	Meyers,Nave,Riback,Sil...	606.69	January 2016-Client Matter 1025.005
23096	2/26/2016	Town of Moraga	1,000.00	Damage deposit for Town of Moraga Council Chamber...
23097	2/26/2016	Town of Moraga	500.00	New address application fee for Station 41
23098	2/26/2016	Office Depot	6.45	Calculator ribbon
	2/26/2016	Office Depot	40.46	Keyboard and mouse
23099	2/26/2016	Anthony Perry	85.08	Reimb. station and engine supplies
23100	2/26/2016	Pacific Gas & Electric	545.72	01/16/16-02/17/16 Station 45 Gas
23101	2/26/2016	PLIC- SBD Grand Island	104.40	March 2016
23102	2/26/2016	Sprint	219.95	Phone 01/12/16-02/11/16 A/C #825945022
23103	2/26/2016	Staples Advantage	56.92	Misc. supplies-Station 43
	2/26/2016	Staples Advantage	89.55	Misc. supplies-Station 44
23104	2/26/2016	Verizon Wireless	28.10	12-lead modem wireless 01/11/16-02/10/16
CP021	2/9/2016	Calif. Public Employees'	167,236.70	CalPers Health Ins
DD021	2/9/2016	Delta Dental Plan of Calif.	14,908.62	Delta Dental ACH payment
INV114...	2/24/2016	Leader Emergency Vehi...	424,579.83	Purchase 2 new Leader ambulances
Report Total			1,092,024.91	



Moraga-Orinda Fire District

TO: Board of Directors

FROM: Gloriann Sasser, Administrative Services Director

DATE: March 16, 2016

SUBJECT: Item 8.1 – Adoption of Resolution 16-06 Approving the Formation of the Moraga-Orinda Fire Protection District Public Facilities Financing Corporation

Background

On November 18, 2015, the Board authorized the District to contract with Brandis Tallman, LLC to issue a direct placement lease agreement in the amount of \$4,000,000. Since then, work has continued with plans to close and fund the lease in May 2016.

In order to issue a direct placement lease, it is recommended the District establish a public facilities financing corporation. The corporation would be a nonprofit public benefit corporation. The purpose of the corporation would be to facilitate the public financing for the District for the acquisition, construction and improvement of the District's public buildings, works and equipment. The District Board would serve as the Board of the corporation. The one-time cost to establish the corporation is approximately \$6,000.

Formation of a financing corporation is not required to issue a direct placement lease. The District could instead use an existing financing corporation (through Municipal Finance Corporation or Public Property Financing Corporation of California) or joint powers agency (through ABAG Finance Authority for Nonprofit Corporations or California Statewide Communities Development Authority) to enter into the lease financing. The cost for this service would be approximately \$2,500.

It is likely in the future the District will need to utilize lease financings for other capital projects such as the rebuilding of Station 41 and Administration. The financing corporation would then be in place and the District would not need to again pay a fee to a financing corporation or joint powers agency to enter into additional lease financings. In addition, public agencies regularly form their own financing corporations when future lease financings are anticipated for cost-savings and other benefits such as having a familiar entity to enter into the lease financing documents.

Staff recommends the Board approve the formation of the financing corporation. The District's bond counsel, Henry Har of Meyers Nave, will be in attendance at the Board meeting to answer questions regarding formation of the corporation.

Staff Recommendation

- 1) Receive report; 2) Deliberate; 3) Adopt Resolution 16-06 Approving the Formation of the Moraga-Orinda Fire Protection District Public Facilities Financing Corporation

Attachments

1. Attachment A – Resolution 16-06 Approving the Formation of the Moraga-Orinda Fire Protection District Public Facilities Financing Corporation
2. Attachment B – Articles of Incorporation of Moraga-Orinda Fire Protection District Public Facilities Financing Corporation

RESOLUTION NO. 16-06

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
MORAGA-ORINDA FIRE PROTECTION DISTRICT
APPROVING THE FORMATION OF THE
MORAGA-ORINDA FIRE PROTECTION DISTRICT
PUBLIC FACILITIES FINANCING CORPORATION AS A
CALIFORNIA NONPROFIT PUBLIC BENEFIT CORPORATION AND
RELATED MATTERS**

WHEREAS, the Moraga-Orinda Fire Protection District (the “District”) desires to finance the acquisition, construction and improvement of public buildings, works and equipment for the District, together with site development, landscaping, utilities, furnishings and appurtenance and related facilities (the “Public Financings”); and

WHEREAS, this Board of Directors has determined that accomplishment of the Public Financings can be facilitated by the formation of California nonprofit public benefit corporation by the District; and

WHEREAS, this Board of Directors wishes at this time to approve the formation of a California nonprofit public benefit corporation to be known as Moraga-Orinda Fire Protection District Public Facilities Financing Corporation (the “Corporation”), in order to facilitate the Public Financings; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Moraga-Orinda Fire Protection District that it hereby:

Section 1. Findings. The Board of Directors hereby finds that formation of the Moraga-Orinda Fire Protection District Public Facilities Financing Corporation will provide assistance to the District through facilitating the Public Financings.

Section 2. Formation of Corporation. The Board of Directors hereby authorizes and approves the formation of the Corporation under the Nonprofit Public Benefit Corporation Law of the State of California (California Corporations Code Section 5110 et seq.), for the purpose of facilitating the Public Financings.

Section 3. Approval of Articles of Incorporation. The Board of Directors hereby approves the Articles of Incorporation in the form on file with the Clerk to the Board and authorizes the formation of the Corporation pursuant to the Articles of Incorporation.

Section 4. Governing Board of the Corporation. The Corporation shall be governed by a board of directors (the “Corporation Board”) consisting of the members of the Board of Directors of the District. Following the formation of the Corporation, the Corporation Board shall hold a special meeting to consider approving Bylaws, appointing officers and authorizing other organizational matters.

Attachment A

PASSED, APPROVED and ADOPTED this 16th day of March, 2016 at a regular meeting of the Board of Directors of the Moraga-Orinda Fire Protection District held on March 16, 2016, at 1500 St. Mary's Road, Moraga, California 94556, on a motion made by Director _____, seconded by Director _____, and duly carried with the following vote.

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: March 16, 2016

Stephen L. Anderson, President
Board of Directors

ATTEST:

Grace Santos, District Clerk

•

ARTICLES OF INCORPORATION

of

**MORAGA-ORINDA FIRE PROTECTION DISTRICT
PUBLIC FACILITIES FINANCING CORPORATION**
a California nonprofit public benefit corporation

I.

The name of this corporation is Moraga-Orinda Fire Protection District Public Facilities Financing Corporation.

II.

A. This corporation is a nonprofit public benefit corporation and is not organized for the private gain of any person. It is organized under the Nonprofit Public Benefit Corporation Law for public and charitable purposes.

B. The specific purpose of this corporation is to provide assistance to the Moraga-Orinda Fire Protection District (the “District”) in financing the acquisition, construction and improvement of public buildings, works and equipment for the District, together with site development, landscaping, utilities, furnishings and appurtenance and related facilities.

III.

The name and address in the State of California of this corporation’s initial agent for service of process is:

A. Name: Stephen Healy

B. Address: 1280 Moraga Way, Moraga, CA 94556

IV.

A. This corporation is organized and operated exclusively for public and charitable purposes set forth in Article II hereof within the meaning of Internal Revenue Code Section 501(c)(3) or the corresponding provision of any future federal tax code.

B. No substantial part of the activities of this corporation shall consist of carrying on propaganda, or otherwise attempting to influence legislation, and this corporation shall not participate or intervene in any political campaign (including the publishing or distribution of statements) on behalf of any candidate for public office.

C. The property of this corporation is irrevocably dedicated to public and charitable purposes set forth in Article II hereof, and no part of the net income or assets of this corporation shall ever inure to the benefit of any director, officer or member or to the benefit of any private person.

Attachment B

D. Upon the dissolution and winding up of the corporation, its assets remaining after payment, or provision for payment, of all debts, obligations and liabilities of this corporation shall be distributed to the Moraga-Orinda Fire Protection District for a public purpose, or to a nonprofit fund, foundation or corporation which is organized and operated exclusively for charitable, educational and/or religious purposes and which has established its tax-exempt status under Internal Revenue Code section 501(c)(3) or the corresponding section of any future federal tax code, which has been designated by the Moraga-Orinda Fire Protection District to receive such assets.

Dated: March ____, 2016

Incorporator:

Henry Har



Moraga-Orinda Fire District

TO: Board of Directors

FROM: Stephen Healy, Fire Chief

DATE: March 16, 2016

SUBJECT: Item 8.2 – Lorinda Lane Grant of Trail Easement to the City of Lafayette, CA for the Benefit of the General Public

BACKGROUND

In January of 2016, staff was approached by the City of Lafayette, who asked the District to consider granting a walking easement across the small parcel the District owns at the base of Lorinda Lane (see Attachment-A). The City requested the walking easement in order to improve access to the trails system, encouraging and supporting health and wellness in the Lamorinda area.

Staff evaluated the request and any potential negative impacts on the District, including its ability to sell the property. Legal counsel and the District's realtor were consulted. No negative impacts were identified. Because an easement is a non-possessory transfer of property, it requires Board approval.

Staff recommends approval of the Easement for the purposes of a walking trail on land owned by the District and described as: certain real property in the City of Lafayette, County of Contra Costa, State of California, identified as Lots A and B (together APN 249-150-017) in the Certificate of Compliance for Lot Line Revision file number LLR02-14 (DOC-2014-0152780-00) as more particularly described and shown in Exhibit "A" attached hereto and made a part hereof ("Grantor Property").

RECOMMENDATION

- 1) Discuss, 2) Deliberate, 3) Authorize Grant of Trail Easement to the City of Lafayette, CA.

ATTACHMENTS

1. Attachment-A - Grant of Trail Easement

Attachment A

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

City of Lafayette
3675 Mt. Diablo Blvd., Suite 210
Lafayette, California 94549
Attention: City Clerk/GW

No Recording Fee--Exempt

GRANT OF TRAIL EASEMENT

MORAGA-ORINDA Fire District, together with its successors and assigns, ("Grantor"), is the owner in fee of that certain real property in the City of Lafayette, County of Contra Costa, State of California, identified as Lots A and B (together APN 249-150-017) in the Certificate of Compliance for Lot Line Revision file number LLR02-14 (DOC-2014-0152780-00) as more particularly described in Exhibit "A" and shown in Exhibit "B" attached hereto and made a part hereof ("Grantor Property"). The City of Lafayette is a California municipal corporation, together with its successors and assigns, ("Grantee").

FOR VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, by this Grant of Trail Easement (this "Easement Agreement"), Grantor does hereby GRANT to Grantee, for the benefit of Grantee, and the general public, a permanent irrevocable, non-exclusive easement, in, to, over, across, under and through those portions of Grantor Property identified as "Trail Easement" as more particularly described in Exhibit "A-1" and depicted in Exhibit "B" attached hereto and incorporated by this reference (the "Trail Easement") for the purpose of entering upon the Trail Easement to conduct activities related to the maintenance and repair of the pedestrian trail ("Trail") and for the use thereof by the general public for recreational purposes, together with the right to grant all or a portion thereof to third parties subject to the requirements set forth below. The Trail is intended to be on the existing paved, private road, known as Lorinda Lane.

1. Force Majeure Events. Notwithstanding the attached description of the Trail Easement, both Grantor and Grantee acknowledge that the Trail Easement is subject to movement, degradation, erosion and destruction from various influences including, without limitation, earthquakes, floods, wind, rain or other acts of God or events beyond the control of Grantor or Grantee (collectively, and as applicable, "Force Majeure Events"). Accordingly, Grantor and Grantee agree that the Trail Easement described herein is subject to movement and relocation as a result of any such Force Majeure Events. Upon the occurrence of any Force Majeure Event that results in the movement of the Trail Easement or otherwise results in the total or partial destruction of the Trail Easement granted hereby, Grantor and Grantee agree to reasonably cooperate with each other in good faith in relocating the Trail Easement or otherwise establishing a new location for the Trail Easement. In furtherance of the foregoing, Grantor and Grantee agree to execute and record an amendment to this Easement Agreement identifying and establishing the revised Trail Easement.

2. Use of Trail Easement. The Trail Easement shall only be used by the public for ingress and egress over the Trail by pedestrians, emergency vehicles and those vehicles and equipment necessary for the maintenance and repair of the Trail Easement by the City. Public use of the Trail shall

Attachment A

be governed by the rules and etiquette for such usage as specified in the Municipal Code for the City of Lafayette, Chapter 8-22, Article 3.

3. Prohibited Uses. Any activity on or use of the Trail Easement inconsistent with the purposes of the Trail Easement is prohibited. Without limiting the generality of the foregoing, the following uses are expressly prohibited on/in the Trail Easement:

(a) The Trail Easement is not to be used for access to the property while the property is being developed or improved unless such access is first approved by the City of Lafayette Planning Services Division. Any damage to the Trail Easement or Trail caused by such use is to be repaired and paid for by Grantor as specified and approved by the Planning and Building Department.

(b) The Trail Easement is not to be further encroached upon by fences, vegetation, earth mounds, drainage ditches, sheds, animal houses or structures of any kind, unless approved by the Planning and Building Department.

(c) There shall be no dumping of rubbish, building materials, garden clippings, run off water, etc. on the Trail Easement.

(d) Any vegetation shall be planted at sufficient distance from the Trail Easement to ensure that present or future branches do not interfere with safe passage. If said branches do interfere with safe passage and Grantor does not remove them after being requested to do so by the City, the City shall have the right to remove said branches or growth at Grantor's expense.

(f) This Trail Easement is over a private road. If the owner wishes to post signs indicating "Private", then trail signs may also be posted by the Parks, Trails & Recreation Department indicating the Trail and showing appropriate identification and directions for the Trail, including the City of Lafayette logo.

(g) Public passage over the Trail shall not be restricted or obstructed in any manner.

4. Successors and Assignment. The Trail Easement granted hereby shall run with the land and all of the rights and obligations of Grantor and Grantee under this Easement Agreement shall inure to the benefit of their respective successors, transferees and assigns. Grantee shall have the right to assign its rights and obligations under this Easement Agreement, provided that such assignment shall be in writing and shall specifically recite the assignee's agreement to all of the terms and conditions of this Easement Agreement.

5. Grantee's Responsibilities. Grantee shall not block or otherwise constrain the use, maintenance, repair or replacement of the paved roadway that lies on the Trail Easement. Vehicular traffic shall be allowed to access the private properties along the roadway or at the end of the roadway at all times. Any public descriptions of the Trail will remind users of the Trail to respect the private property rights of the owners, to obey the rules for trail usage and to be aware of possible vehicular traffic on this section of the Trail that lies within the Trail Easement being granted herein.

Attachment A

6. Grantee's Remedies. If Grantee determines that Grantor is in violation of the terms of this Easement Agreement or that a violation is threatened, Grantee shall give written notice to Grantor of such violation and demand corrective action sufficient to cure the violation and, where the violation involves injury to the Easement Area resulting from any use or activity inconsistent with the purpose of this Easement Agreement, to restore the portion of the Easement Area so injured. If Grantor fails to cure the violation within 30 days after receipt of notice thereof from Grantee, or under circumstances where the violation cannot reasonably be cured within a 30-day period, fails to begin curing such violation within the 30-day period, or fails to continue diligently to cure such violation until finally cured, Grantee may bring an action at law or in equity in a court of competent jurisdiction to enforce the terms of this Easement Agreement, to enjoin the violation by temporary or permanent injunction, to recover any damages to which it may be entitled for violation of the terms of this Easement Agreement or injury to any protected values, including damages for any loss thereof, and to require the restoration of the Easement Area to the condition that existed prior to any such injury. If Grantee, in its sole discretion, determines that circumstances require immediate action to prevent or mitigate significant damage to the protected values of the Easement Area, Grantee may pursue its remedies under this paragraph without waiting for the period provided for cure to expire. Grantee's rights under this paragraph apply equally in the event of either actual or threatened violations of the terms of this Easement Agreement, and Grantor agrees that Grantee's remedies at law for any violation of the terms of this Easement Agreement are inadequate and that Grantee shall be entitled to the injunctive relief described in this paragraph, both prohibitive and mandatory, in addition to such other relief to which Grantee may be entitled, including specific performance of the terms of this Easement Agreement, without the necessity of proving either actual damages or the inadequacy of otherwise available legal remedies. Grantee's remedies described in this paragraph shall be cumulative and shall be in addition to all remedies now or hereafter existing at law or in equity.

7. Costs of Enforcement. Any costs incurred by Grantee in enforcing the terms of this Easement Agreement against Grantor, including, without limitation, costs of suit and attorneys' fees, and any costs or restoration necessitated by Grantor's violation of the terms of this Easement Agreement shall be borne by Grantor. If Grantor prevails in any action to enforce the terms of this Easement Agreement, Grantor's costs of suit, including, without limitation, attorneys' fees, shall be borne by Grantee.

8. Grantee's Discretion. Enforcement of the terms of this Easement Agreement shall be at the discretion of Grantee, and any forbearance by Grantee to exercise its rights under this Easement Agreement in the event of any breach of any term of this Easement Agreement by Grantor shall not be deemed or construed to be a waiver by Grantee of such term or of any subsequent breach of the same or any other term of this Easement Agreement or of any of Grantee's rights under this Easement Agreement. No delay or omission by Grantee in the exercise of any right or remedy on any breach by Grantor shall impair such right or remedy or be construed as a waiver.

9. General Provisions.

(a) Controlling Law. The interpretation and performance of this Easement Agreement shall be governed by the laws of the State of California.

(b) Severability. If any provision of this Easement Agreement, or the application thereof to any person or circumstance, is found to be invalid, the remainder of the provisions of this Easement Agreement, or the application of such provision to persons or circumstances

Attachment A

other than those as to which it is found to be invalid, as the case may be, shall not be affected thereby.

(c) Entire Agreement. This instrument sets forth the entire agreement of the parties with respect to the Easement Agreement and supersedes all prior discussions, negotiations, understandings, or agreements relating to the Easement Agreement, all of which are merged herein.

IN WITNESS WHEREOF, Grantor and Grantee have executed this Trail Easement on _____.

“GRANTOR”*

ORINDA-MORAGA FIRE DISTRICT

Fire Chief

Print Name: _____

“GRANTEE”

CITY OF LAFAYETTE, A MUNICIPAL CORPORATION

Steven Falk, City Manager

*Signature must be notarized.

ATTACHMENTS:

- Exhibit “A” - Grantor Property
- Exhibit “A-1” - Trail Easement
- Exhibit “B” - Map of Trail Easement

EXHIBIT "A"
GRANTOR PROPERTY

Two Sheets Behind This Page

EXHIBIT 'A'

LOT LINE ADJUSTMENT #02-14

LOT 'A': MORAGA ORINDA FIRE DISTRICT

Portion of: (A.P.N. 249-150-017)

Real Property situated in the City of Lafayette, County of Contra Costa, State of California, described as follows:

All of Parcel Three and a portion of Parcel One, as said parcels are described in the Grant Deed to the Moraga Orinda Fire District, recorded July 25, 2013, at Series #2013-0185693), Contra Costa County Records, being further described as follows:

Beginning at Station 'A', said Station 'A' being the Southwest Corner of said Parcel One (2013-0185693); thence leaving said Point of Beginning northerly along the West Line of said Parcel One (2013-0185693) North 00°36'27" East, 377.03 feet; thence leaving said West Line along the "New Lot Lines" the following courses and distances: South 89°23'33" East, 38.37 feet; thence South 44°32'50" East, 126.47 feet; thence South 00°36'27" West, 56.50 feet; thence South 35°15'10" West, 88.65 feet; thence South 00°36'27" West, 12.94 feet; thence South 35°15'25" East, 50.61 feet; thence North 85°53'11" East, 165.62 feet to a point on the East Line of said Parcel One (2013-0185693); thence southerly along said East Line South 16°17'42" East, 71.66 feet to the Northwest Corner of said Parcel Three (2013-0185693); thence along the perimeter of said Parcel Three (2013-0185693) the following courses and distances: North 83°07'52" East, 24.73 feet to the Northeast Corner of said Parcel Three (2013-0185693); thence South 01°34'00" West, 26.54 feet to Southeast Corner of said Parcel Three (2013-0185693); thence along the South Line of said Parcel Three and said Parcel One (2013-0185693), said South Line being common with the North Line of El Nido Ranch Road, a public road, South 85°53'11" West, 318.34 feet **To the Point of Beginning**.

Subject to any and all existing easements.

See Exhibit 'B' (plat maps) attached hereto and made a part hereof:

End of Description.

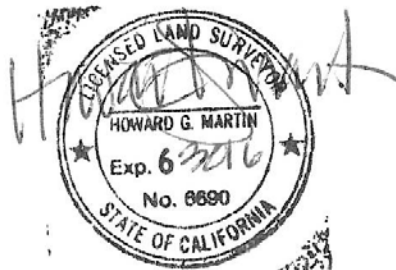


EXHIBIT 'A'

LOT LINE ADJUSTMENT #02-14

LOT 'B': MORAGA ORINDA FIRE DISTRICT

Portion of: (A.P.N. 249-150-017)

Real Property situated in the City of Lafayette, County of Contra Costa, State of California, described as follows:

A Portion of Parcel One, as said parcel is described in the Grant Deed to the Moraga Orinda Fire District, recorded July 25, 2013, at Series #2013-0185693), Contra Costa County Records, being further described as follows:

Commencing at Station 'A', said Station 'A' being the Southwest Corner of said Parcel One (2013-0185693); thence leaving said Point of Commencement northerly along the West Line of said Parcel One (2013-0185693) North 00°36'27" East, 377.03 feet **to the True Point of Beginning**; thence leaving said True Point of Beginning and continuing northerly along said West Line North 00°36'27" East, 128.38 feet to the Northwest Corner of said Parcel One (2013-0185693); thence leaving said Northwest Corner easterly along the North Line of said Parcel One (2013-0185693) South 89°05'02" East, 154.91 feet to the Northeast Corner of said Parcel One (2013-185693); thence leaving said Northeast Corner southerly along the East Line of said Parcel One (2013-0185693) South 16°17'42" West, 403.94 feet **to Station 'B'**, said Station 'B' being a point on the East Line of said Parcel One (2013-0185693) and bearing North 16°17'42" West, 71.66 feet from the Northwest Corner of the aforesaid Parcel Three (2013-0186693); thence leaving said Station 'B' and said East Line along the "New Lot Lines" the following courses and distances: South 85°53'11" West, 165.62 feet; thence North 35°15'25" West, 50.61 feet; thence North 00°36'27" East, 12.94 feet; thence North 35°15'10" East, 88.65 feet; thence North 00°36'27" East, 56.50 feet; thence North 44°32'50" West, 126.47 feet; thence North 89°23'33" West, 38.37 feet **to the True Point of Beginning**.

Subject to any and all existing easements.

See Exhibit 'B' (plat maps) attached hereto and made a part hereof:

End of Description.



EXHIBIT "A-1"
DESCRIPTION OF TRAIL EASEMENT

One Sheet Behind This Page

EXHIBIT 'A-1'

PUBLIC TRAIL EASEMENT

Real property situated in the City of Lafayette, County of Contra Costa, State of California, being described as follows:

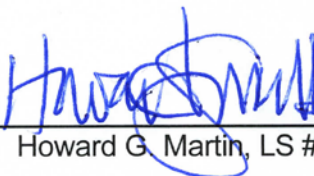
All of that Portion of Lorinda Lane lying within the Parcels of Land described in the Grant Deed to the Moraga Orinda Fire District, recorded July 25, 2013, at Series #2013-0185693, Contra Costa County Records, being further described as being a portion of Lot 'A' and a portion of Lot 'B' as said Lots are described and shown on the Certificate of Compliance for Lot Line Adjustment #02-14, recorded September 9, 2014, at Series #2014-0152780, Contra Costa County Records, being further described as follows:

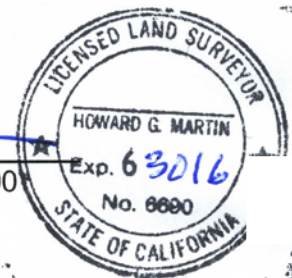
Beginning at the northeast corner of said Lot 'B' (2014-0152780); thence leaving said Point of Beginning southerly along the east property lines of said Lot 'A' and said Lot 'B' (2014-0152780) the following courses and distances: South 16°17'42" East, 475.60 feet; thence North 83°07'52" East, 24.73 feet; thence South 01°34'00" West, 26.54 feet to the southeast corner of said Lot 'A' (2014-0152780); thence leaving said southeast corner westerly along the south line of said Lot 'A' (2014-0152780) South 85°53'11" West, 50.25 feet; thence leaving said south line northerly along the west easement lines of Lorinda Lane as shown on said Certificate of Compliance for Lot Line Adjustment #02-14 (2014-0152780) the following courses and distances: North 01°34'00" East, 25.63 feet; thence North 16°17'42" West, 477.66 feet to a point on the north line of said Lot 'B' (2014-0152780); thence easterly along said north line South 89°05'02" East, 26.17 feet **to the Point of Beginning.**

See Exhibit 'B' (plat map) attached hereto and made a part hereof:

A.P.N. 249-150-017 (a portion of)

End of Description.

By: 
Howard G. Martin, LS #6690



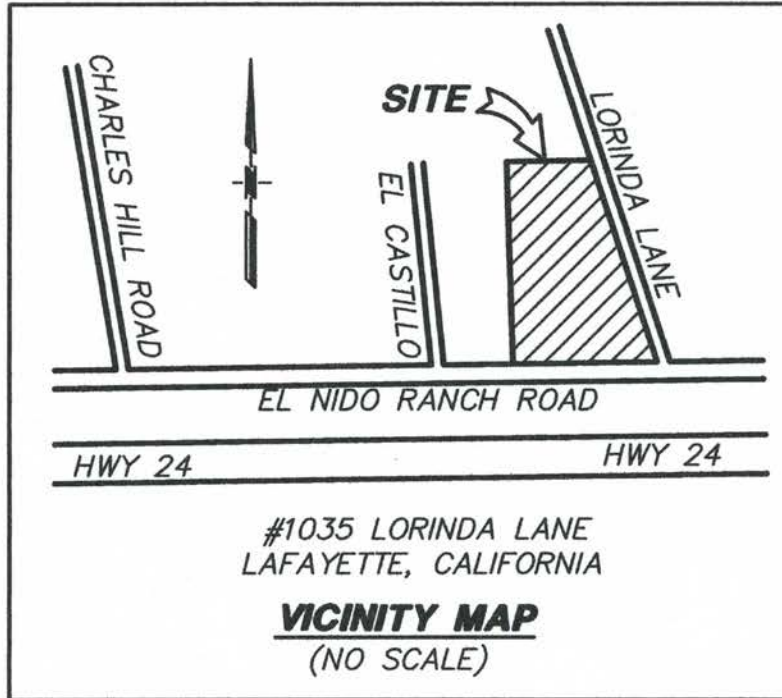
Schell & Martin, Inc.
Civil Engineering & Land Surveying
Lafayette, California

EXHIBIT "B"
MAP OF TRAIL EASEMENT

Two Sheets Behind This Page

EXHIBIT 'B' (PLAT MAP)

SITE BOUNDARY PER:
MORAGA ORINDA FIRE DISTRICT
DEED (2013-0185693)



LEGEND

TE = DENOTES "TRAIL EASEMENT"

REFERENCE DATA:

- A. MORAGA ORINDA FIRE DISTRICT DEED (SERIES 2013-0185693).
- B. SUBDIVISION 5251 (222 M 34).
- C. SUBD. MS 44-77 (70 PM 19).
- D. SUBD. MS 501-95 (172 PM 9).
- E. LLA #02-14 (2014-0152780).

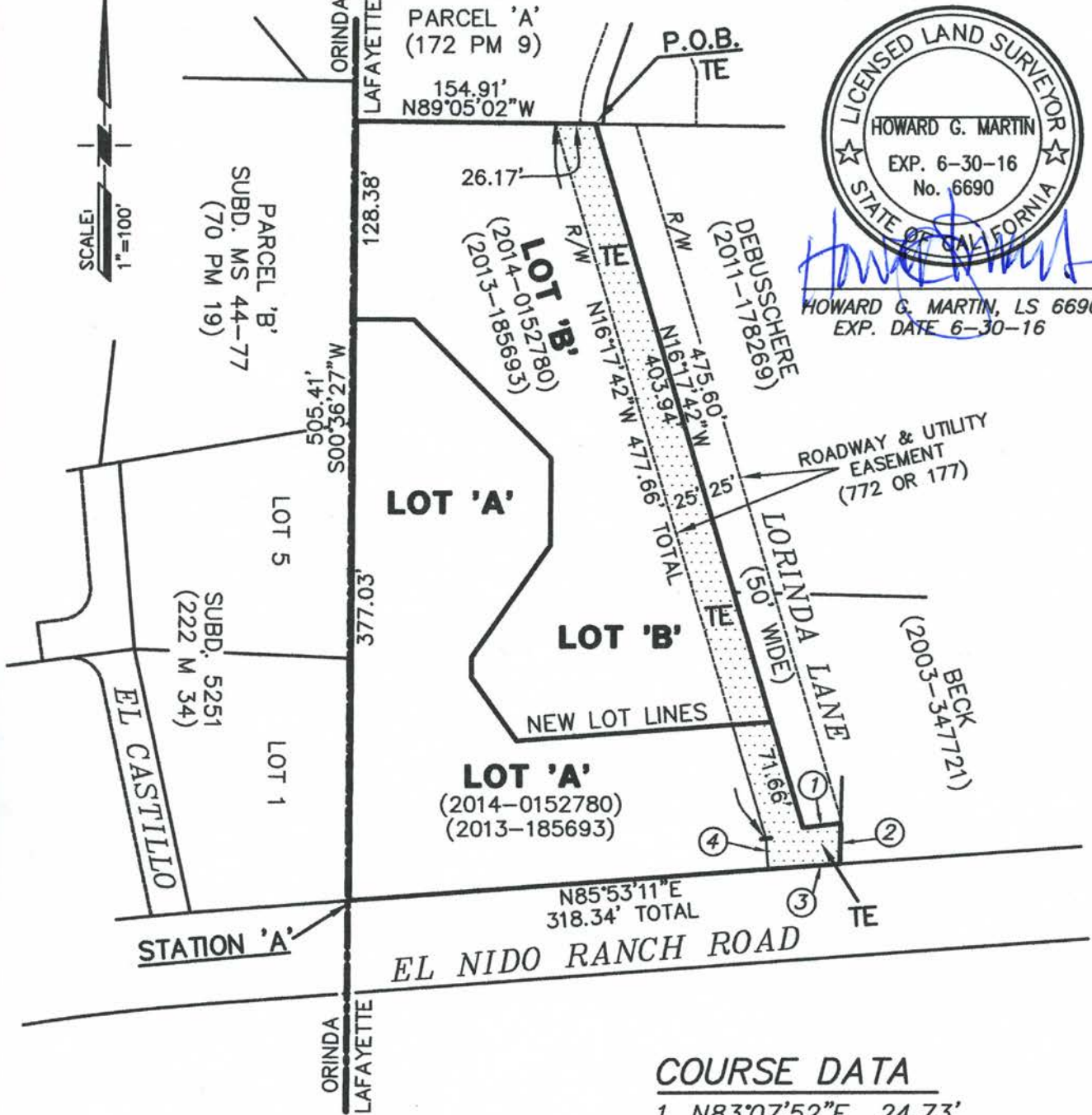


Howard G. Martin
 HOWARD G. MARTIN, LS 6690
 EXP. DATE 6-30-16

EXHIBIT 'B'
TRAIL EASEMENT
A.P.N. 249-150-017
 SCALE: NO SCALE
 DATE: FEBRUARY 3, 2016
 JOB NO. 409-16 (RUSSELL)

SCHELL & MARTIN, INC.
 CIVIL ENGINEERING & LAND SURVEYING
 3377 MT. DIABLO BOULEVARD
 LAFAYETTE, CALIFORNIA 94549
 925.283.8111

EXHIBIT 'B' (PLAT MAP)



HOWARD G. MARTIN, LS 6690
EXP. DATE 6-30-16

LEGEND

TE = DENOTES "TRAIL EASEMENT"

COURSE DATA

- 1. N83°07'52"E 24.73'
- 2. N01°34'00"E 26.54'
- 3. N85°53'11"E 50.25'
- 4. N01°34'00"E 25.63'

EXHIBIT 'B'
TRAIL EASEMENT
A.P.N. 249-150-017

SCALE: NO SCALE
DATE: FEBRUARY 3, 2016
JOB NO. 409-16 (RUSSELL)

SCHELL & MARTIN, INC.
CIVIL ENGINEERING & LAND SURVEYING
3377 MT. DIABLO BOULEVARD
LAFAYETTE, CALIFORNIA 94549
925.283.8111



Moraga-Orinda Fire District

TO: Board of Directors
FROM: Gloriann Sasser, Administrative Services Director
DATE: March 16, 2016
SUBJECT: Item 8.3 – Contract with Delta Dental of California

Background

The District provides dental insurance to employees and retirees. The District has contracted with Delta Dental of California since 1998. The current contract expires March 31, 2016.

Delta Dental provided renewal information that reflects a 2% rate increase as follows:

Total Monthly Cost	Current Rates 2015-2016	New Rates 2016-2017
One party	\$53.26	\$54.33
Two party	\$94.00	\$95.88
Three +	\$143.48	\$146.35

The District pays a fixed amount per employee and retiree for dental insurance. The rate increase is entirely borne by employees and retirees. Employer and employee monthly costs are as follows:

	Employer Cost	Employee Cost
One party	\$51.20	\$3.13
Two party	\$90.12	\$5.76
3+	\$136.35	\$10.00

Staff recommends the Board authorize a contract with Delta Dental of California.

Staff Recommendation

1) Receive report; 2) Deliberate; 3) Authorize a contract with Delta Dental of California for the period April 1, 2016 through March 31, 2017.



Moraga-Orinda Fire District

TO: Board of Directors
FROM: Grace Santos, District Clerk
DATE: March 16, 2016
SUBJECT: Item 8.4 – Regular Board Meeting Locations

BACKGROUND

At the March 2, 2016 Board meeting, the Board directed Staff to place this item on the agenda to allow the Board to discuss the location of future Board meetings.

Staff is aware of the following public facilities that may be available to the District that meet the ADA requirements of the Brown Act:

Orinda

- Sarge Littlehale Room
 - gets warm during summer time
- Orinda Library Auditorium/Council Chambers
 - too large
 - only water allowed
- Orinda Community Center Rooms
 - can get loud due to classes
 - only water allowed in certain rooms

Moraga

- Moraga Library Community Room
- Hacienda de las Flores Mosaic Room
- Moraga Council Chambers
 - only water is allowed

RECOMMENDATION

- 1) Discuss; 2) Deliberate; 3) Provide Direction to Staff



Moraga-Orinda Fire District

TO: Board of Directors
FROM: Stephen Healy, Fire Chief
DATE: March 16, 2016
SUBJECT: Item 8.5 – Station-43 Program Update

BACKGROUND

Work continues on the Station 43 program. Progress has been made in several areas.

In January of 2016, staff tentatively agreed to terms with the St. Stephen's Church as the site for a temporary fire station (43). A proposed written agreement has been sent to the church Vestry with their tentative approval anticipated on March 15. If approved by the church Vestry, staff will bring the proposed agreement to the Board for approval on April 6.

On February 19, 2016, staff issued a request for qualifications for project management services. Four proposals were received from qualified firms. A recommendation and proposed agreement will be brought to the Board for approval on April 6.

Staff has compiled updated projected cost information (Attachment-C). Cost information is summarized as follows:

Total projected cost	\$4,590,560
Amount spent to date 2011 – Feb. 2016	<u>497,231</u>
Projected balance to completion	<u>\$4,093,329</u>

The total projected cost includes building construction and sitework projected cost of \$3,317,441. The building construction and sitework projection was prepared by *Leland Saylor Associates* and is included as Attachment-D.

RECOMMENDATION

No action required – information only

ATTACHMENTS

1. Attachment-A - Proposed Station-43 Project Phases 1-4 and Timeline

2. Attachment-B - Budgeting Timeline – Station-43 Project (updated)
3. Attachment-C - Station-43 Project Budget and Cost Control Budget
4. Attachment-D - Construction Documents Estimate Station 43

ATTACHMENT-A

Station-43 Construction Phases & Timeline

- Phase-1: Activation – 45 days
Document Review and Submissions (DRS)

NEARLY COMPLETE

- Issue limited scope work order to start re-activation
 - Prepare planning and building code searches
 - Meet with Building and Planning Departments
 - Update drawings assuming minor alterations
 - Refresh Architect and contract
 - Locate and secure site for temporary fire station-43
 - Purchase and prepare temporary facility
- Phase-2: Entitlements – 45 days
Document Review and Submission (DRS)

IN PROGRESS – Expected completion May 2016

- Planning Administrative Process
 - Obtain (updated) Building Permit
- Phase-3: Bid Period – 3.5 months
Bidding Construction and Administrative Services (CA)

PENDING – Expected completion September 2016

- Advertise to Bid
 - Bid period
 - Award construction contract
- Phase-4: Construction – 12 months
Bidding Construction and Administrative Services (CA)

PENDING – Expected completion September 2017

ATTACHMENT-B

Station-43 Project Budget Timeline

March 16, 2016

- Closed session: Lorinda Lane Sale Negotiations

April 6, 2016

- Project Management Services approval
- Church Rent Agreement approval

April 20, 2016

- Closed session: Lorinda Lane – receive any offers, deliberate, and provide direction to staff.
- Financing Corporation adoption of bylaws, appoint officers, authorize preparation and filing of applications for tax exemption and other corporate actions.
- Approval of lease financing

May 9, 2016

- Finance Committee Meeting regarding Proposed FY2016/2017 Annual Operating Budget. Proposed Budget to include Capital Projects Fund appropriations for the Station-43 Project.

May 25, 2016

- Close and fund lease financing

June 1, 2016

- Proposed FY2016/2017 Annual Operating Budget presented to the Board including appropriations for the Station-43 Project

June 15, 2016

- Board adopts FY2016/2017 Annual Operating Budget including appropriations for the Station-43 Project.

September 21, 2016

- Board awards construction contract

October 2016

- Break ground for construction

MORAGA ORINDA FIRE DISTRICT
FIRE STATION 43 REPLACEMENT PROJECT

A	B	C	D	F	G	H	L	N		
CODE OF ACCOUNTS	DESCRIPTION	VENDOR	OWNER'S BUDGET	FORECAST TO COMPLETE or UNCOMMITTED	PROJECTED FINAL COST E+F	UNDER/OVER BUDGET +/- D-G	TOTAL COST TO DATE	TOTAL AMOUNT DISPERSED L-M	BALANCE TO COMPLETION, INCL. RETENTION F-L	PERCENT COMPLETE I/D
PRECONSTRUCTION PHASE COSTS										
SOFT COSTS - DESIGN AND ENTITLEMENTS										
00100	DEVELOPMENT/ENTITLEMENT COSTS									
00140	Planning Fees and Permitting									
00141	Concept Review (CDR)	City of Orinda	\$ 115.00	\$ 115.00	\$ 115.00	\$ -	\$ 115.00	\$ 115.00	\$ -	100%
00142	Design Review	City of Orinda	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ -	\$ 750.00	\$ 750.00	\$ 11,250.00	6%
00143	Geotech Peer Review	City of Orinda	\$ 2,600.00	\$ 2,600.00	\$ 2,600.00	\$ -	\$ -	\$ -	\$ 2,600.00	0%
00144	Post Approval	City of Orinda	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00	0%
00145	Temporary Facilities Permit	CCC	\$ 2,900.00	\$ 2,900.00	\$ 2,900.00	\$ -	\$ -	\$ -	\$ 2,900.00	0%
00146	Demolition Permit	CCC	\$ 150.00	\$ 150.00	\$ 150.00	\$ -	\$ -	\$ -	\$ 150.00	0%
00147	Plan Check and Permits	CCC	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 306.00	\$ 306.00	\$ 49,694.00	1%
00148	Fees/Miscellaneous/Other Professional Services	Various	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 6,058.00	\$ 6,058.00	\$ 3,942.00	61%
00170	Construction Project Management	\$ 233,625.00							\$ -	
00171	Construction Management Services	H&A	\$ 150,500.00	\$ 84,010.00	\$ 84,010.00	\$ 66,490.00	\$ 84,010.00	\$ 84,010.00	\$ -	100%
00172	Construction Management Services	KSD	\$ 200,000.00	\$ 286,869.00	\$ 286,869.00	\$ (86,869.00)	\$ 96,869.00	\$ 96,869.00	\$ 190,000.00	34%
00180	Estimator	L. SAYLOR	\$ 10,000.00	\$ 7,115.00	\$ 7,115.00	\$ 2,885.00	\$ 7,115.00	\$ 7,115.00	\$ -	100%
00200 - 00500	DESIGN/ARCHITECTURE AND ENGINEERING									
00210	Architect	SKA	\$ 463,735.00	\$ 463,735.00	\$ 463,735.00	\$ -	\$ 282,505.00	\$ 282,505.00	\$ 181,230.00	61%
00235	Arborist	M BENCH	\$ -	\$ 925.00	\$ 925.00	\$ (925.00)	\$ 925.00	\$ 925.00	\$ -	
00240	Surveyor	LEA & BRAZE	\$ 8,850.00	\$ 10,048.00	\$ 10,048.00	\$ (1,198.00)	\$ 10,048.00	\$ 10,048.00	\$ -	100%
00250	Geotechnical Engineer						\$ -	\$ -	\$ -	
00251	Report and Plan Review	N. ANDERSON	\$ 7,650.00	\$ 7,650.00	\$ 7,650.00	\$ -	\$ 6,530.00	\$ 6,530.00	\$ 1,120.00	85%
00380	Hazmat Consultant	TBD	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 2,000.00	\$ 2,000.00	\$ 8,000.00	20%
SUBTOTAL SOFT COSTS			\$ 938,500.00	\$ 958,117.00	\$ 958,117.00	\$ (19,617.00)	\$ 497,231.00	\$ 497,231.00	\$ 460,886.00	52%
CONSTRUCTION PHASE										
OWNER'S COSTS DURING CONSTRUCTION										
00800	CONSTRUCTION HARD COSTS PAID BY OWNER									
00810	Temporary Facilities		\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ -	\$ -	\$ -	\$ 200,000.00	0%
SUBTOTAL CONSTRUCTION HARD COSTS PAID BY OWNER			\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ -	\$ -	\$ -	\$ 200,000.00	0%
00900	CONSTRUCTION ADMINISTRATION									
00940	Special Inspection and Testing	TBD	\$ 28,000.00	\$ 28,000.00	\$ 28,000.00	\$ -	\$ -	\$ -	\$ 28,000.00	0%
00950	Construction Inspections	TBD	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ -	\$ -	\$ -	\$ 12,000.00	0%
SUBTOTAL CONSTRUCTION ADMINISTRATION COSTS			\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ -	\$ -	\$ -	\$ 40,000.00	0%
TOTAL OWNER'S/CONSTRUCTION ADMINISTRATION COSTS			\$ 240,000.00	\$ 240,000.00	\$ 240,000.00	\$ -	\$ -	\$ -	\$ 240,000.00	0%
GENERAL CONTRACTOR'S WORK										
CONSTRUCTION INCL. DEMOLITION & SITEWORK										
SUBTOTAL SITEWORK DIRECT CONSTRUCTION COST			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.1	Demolition		\$ 156,244.00	\$ 156,244.00	\$ 156,244.00	\$ -	\$ -	\$ -	\$ 156,244.00	0%
1.2	Sitework		\$ 512,074.00	\$ 512,074.00	\$ 512,074.00				\$ 512,074.00	0%
2.1	Substructure		\$ 160,536.00	\$ 160,536.00	\$ 160,536.00				\$ 160,536.00	0%
3.0	Structure		\$ 339,736.00	\$ 339,736.00	\$ 339,736.00				\$ 339,736.00	0%

MORAGA ORINDA FIRE DISTRICT
FIRE STATION 43 REPLACEMENT PROJECT

A	B	C	D	F	G	H	L	N		
CODE OF ACCOUNTS	DESCRIPTION	VENDOR	OWNER'S BUDGET	FORECAST TO COMPLETE or UNCOMMITTED	PROJECTED FINAL COST E+F	UNDER/OVER BUDGET +/- D-G	TOTAL COST TO DATE	TOTAL AMOUNT DISPERSED L-M	BALANCE TO COMPLETION, INCL. RETENTION F-L	PERCENT COMPLETE I/D
4.1	Enclosure, Vertical		\$ 319,738.00	\$ 319,738.00	\$ 319,738.00				\$ 319,738.00	0%
4.2	Enclosure, Horizontal		\$ 97,337.00	\$ 97,337.00	\$ 97,337.00				\$ 97,337.00	0%
4.3	Support Items		\$ -	\$ -	\$ -				\$ -	
5.1	Internals, Vertical		\$ 264,265.00	\$ 264,265.00	\$ 264,265.00				\$ 264,265.00	0%
5.2	Internals, Horizontal		\$ 87,013.00	\$ 87,013.00	\$ 87,013.00				\$ 87,013.00	0%
5.3	Finishes, Special		\$ -	\$ -	\$ -				\$ -	
5.4	Interiors		\$ 53,525.00	\$ 53,525.00	\$ 53,525.00				\$ 53,525.00	0%
6.0	Specialties		\$ 25,760.00	\$ 25,760.00	\$ 25,760.00				\$ 25,760.00	0%
7.0	Equipment		\$ -	\$ -	\$ -				\$ -	
8.0	Special Construction		\$ 12,750.00	\$ 12,750.00	\$ 12,750.00				\$ 12,750.00	0%
9.0	Conveying		\$ -	\$ -	\$ -				\$ -	
10.1	Plumbing		\$ 131,445.00	\$ 131,445.00	\$ 131,445.00				\$ 131,445.00	0%
10.15	Fire Protection Systemts		\$ 34,514.00	\$ 34,514.00	\$ 34,514.00				\$ 34,514.00	0%
10.2	HVAC		\$ 130,998.00	\$ 130,998.00	\$ 130,998.00				\$ 130,998.00	0%
11.0	Electrical		\$ 208,817.00	\$ 208,817.00	\$ 208,817.00				\$ 208,817.00	0%
11.2	Special Electrical		\$ 83,255.00	\$ 83,255.00	\$ 83,255.00				\$ 83,255.00	0%
SUBTOTAL SITEWORK DIRECT CONSTRUCTION COST, INCL. GENERAL CONDITIONS			\$ 2,618,007.00	\$ 2,618,007.00	\$ 2,618,007.00	\$ -	\$ -	\$ -	\$ 2,618,007.00	0%
	Design Contingency				\$ -	\$ -		\$ -		
SUBTOTAL SITEWORK DIRECT CONSTRUCTION COST, INCL. GENERAL AND CONTINGENCY			\$ 2,618,007.00	\$ 2,618,007.00	\$ 2,618,007.00	\$ -	\$ -	\$ -	\$ 2,618,007.00	\$ -
	Escalation				\$ -	\$ -		\$ -		
SUBTOTAL SITEWORK DIRECT CONSTRUCTION COST, INCL. GC'S, CONTINGENCY AND ESCALATION			\$ 2,618,007.00	\$ 2,618,007.00	\$ 2,618,007.00	\$ -	\$ -	\$ -	\$ 2,618,007.00	\$ -
	Bonds				\$ -	\$ -		\$ -		
	Overhead and Profit				\$ -	\$ -		\$ -		
TOTAL CONSTRUCTION INCL. DEMOLITION & TEMP FACILITIES SITE			\$ 2,618,007.00	\$ 2,618,007.00	\$ 2,618,007.00	\$ -	\$ -	\$ -	\$ 2,618,007.00	0%
DIRECT BUILDING COSTS										
SUBTOTAL DIRECT CONSTRUCTION COST										
	General Conditions		\$ 261,800.00	\$ 261,800.00	\$ 261,800.00	\$ -	\$ -	\$ -	\$ 261,800.00	0%
SUBTOTAL DIRECT CONSTRUCTION COST, INCL. GENERAL CONDITIONS			\$ 261,800.00	\$ 261,800.00	\$ 261,800.00	\$ -	\$ -	\$ -	\$ 261,800.00	0%
	Design Contingency		\$ 52,360.00	\$ 52,360.00	\$ 52,360.00				\$ 52,360.00	0%
SUBTOTAL DIRECT CONSTRUCTION COST, INCL. GENERAL AND CONTINGENCY			\$ 314,160.00	\$ 314,160.00	\$ 314,160.00	\$ -	\$ -	\$ -	\$ 314,160.00	0%
	Escalation		\$ 139,540.00	\$ 139,540.00	\$ 139,540.00	\$ -	\$ -	\$ -	\$ 139,540.00	0%
SUBTOTAL DIRECT CONSTRUCTION COST, INCL. GC'S, CONTINGENCY AND ESCALATION			\$ 453,700.00	\$ 453,700.00	\$ 453,700.00	\$ -	\$ -	\$ -	\$ 453,700.00	0%
	Bonds		\$ 61,434.00	\$ 61,434.00	\$ 61,434.00	\$ -	\$ -	\$ -	\$ 61,434.00	0%
	Overhead and Profit		\$ 184,302.00	\$ 184,302.00	\$ 184,302.00	\$ -	\$ -	\$ -	\$ 184,302.00	0%
TOTAL DIRECT BUILDING CONSTRUCTION COST CONTRACT			\$ 699,436.00	\$ 699,436.00	\$ 699,436.00	\$ -	\$ -	\$ -	\$ 699,436.00	0%
GRAND TOTAL SITEWORK AND DIRECT BUILDING CONSTRUCTION COST ESTIMATE			\$ 3,317,443.00	\$ 3,317,443.00	\$ 3,317,443.00	\$ -	\$ -	\$ -	\$ 3,317,443.00	0%
	Furniture, fixtures & equipment		\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ -	\$ -	\$ -	\$ 75,000.00	0%
GRAND TOTAL ALL PROJECT COSTS			\$ 4,570,943.00	\$ 4,590,560.00	\$ 4,590,560.00	\$ (19,617.00)	\$ 497,231.00	\$ 497,231.00	\$ 4,093,329.00	11%



CONSTRUCTION DOCUMENTS ESTIMATE

MOFD STATION #43

ORINDA, CA

LSA JOB NUMBER:

16-007D

February 22, 2016

PREPARED FOR
SHAW KAWASAKI ARCHITECTS
BY LELAND SAYLOR ASSOCIATES

101 Montgomery Street, Suite 800 | San Francisco | California | 94104
415-291-3200 | 415-291-3201 (f) | www.lelandsaylor.com

Attachment D



PROJECT: **MOFD STATION #43**
LOCATION: **ORINDA, CA**
CLIENT: **SHAW KAWASAKI ARCHITECTS**
DESCRIPTION: **FIREHOUSE # 43**

JOB NUMBER: **16-007D**
PREPARED BY: **GK, SB, TC, AH**
BID DATE: **7/16/2016**
ESTIMATE DATE: **2/22/2016**

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
I	PREFACE AND NOTES TO THE ESTIMATE	3
II	SUMMARY OF ESTIMATE	11
III	ESTIMATE DETAIL	13



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
CHECKED BY: BSS
ESTIMATE DATE: 2/22/2016

SECTION I

PREFACE AND NOTES TO THE ESTIMATE

Attachment D



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
BID DATE: 07/16
ESTIMATE DATE: 2/22/2016

PREFACE AND NOTES TO THE ESTIMATE

1.0 PROJECT SYNOPSIS

1.1 TYPE OF STUDY:

DETAILED ESTIMATE

1.2 PROJECT DESCRIPTION:

Construction Type:	2 STORY NEW BUILDING
Foundation Type:	SLAB ON GROUND WITH PILES
Exterior Wall Type:	SHEAR AND NON SHEAR WALLS WITH WALL SHINGLE FINISH
Roof Type:	FIBERGLASS REINFORCED COMPOSITION ROOF SHINGLES
Stories Below Grade:	NONE
Stories Above Grade:	TWO
Sitework:	SIGNIFICANT LANDSCAPING AND NEW CONCRETE DRIVEWAY
Plumbing System:	STANDARD
Mechanical System:	STANDARD
Fire Protection System:	STANDARD
Electrical Service:	STANDARD

Attachment D



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
BID DATE: 07/16
ESTIMATE DATE: 2/22/2016

PREFACE AND NOTES TO THE ESTIMATE

1.3 GENERAL NOTES REGARDING PROJECT:

2 STORY NEW FIRE STATION INCLUDING BAY FLOOR AREA (1487SF) FOR TRUCKS

2.0 DEFINITIONS

2.1 ESTIMATE OF COST:

An Estimate of Cost is prepared from a survey of the quantities of work - items prepared from written or drawn information provided at the design-development, working drawing or bid-documents stage of the design. Historical costs, information provided by contractors and suppliers, plus judgmental evaluation by the Estimator are used as appropriate as the basis for pricing. Allowances as appropriate will be included for items of work which are not indicated on the design documents provided that the Estimator is made aware of them, or which, in the judgment of the Estimator, are required for completion of the work. We cannot, however, be responsible for items or work of an unusual nature of which we have not been informed.

2.2 BID:

An offer to enter a contract to perform work for a fixed sum, to be completed within a limited period of time.

Attachment D



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
BID DATE: 07/16
ESTIMATE DATE: 2/22/2016

PREFACE AND NOTES TO THE ESTIMATE

3.0 BIDS & CONTRACTS

3.1 MARKET CONDITIONS:

In the current market conditions for construction, our experience shows the following results on competitive bids, as a differential from Leland Saylor Associates final estimates:

Number of Bids	Percentage Differential
1	+25 to 100%
2 - 3	+10 to 25%
4 - 5	0 to +10%
6 - 7	0 to -10%
8 or more	-10 to -20%

Accordingly, it is extremely important to ensure that a minimum of 4 to 5 valid bids are received. Since LSA has no control over the bid process, there is no guarantee that proposals, bids or construction cost will not vary from our opinions or our estimates. Please see Competitive Bidding Statement in the estimate detail section for more information.

Attachment D



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
BID DATE: 07/16
ESTIMATE DATE: 2/22/2016

PREFACE AND NOTES TO THE ESTIMATE

4.0 ESTIMATE DOCUMENTS

4.1 This Estimate has been compiled from the following documents and information supplied:

DRAWINGS:

Architectural
A101-A601

Mechanical
None

Landscaping
L101-L702

Structural
S-001-S503

Plumbing
P-001-P-131

Accessibility Standards
None

Civil
C001-C504

Electrical
E001-E-507

Other
None

SPECIFICATIONS / PROJECT MANUAL:

SPECIFICATION; PROJECT MANUAL VOLUME 2

COSTS PROVIDED BY OTHERS:

NONE

4.2 The user is cautioned that significant changes in the scope of the project, or alterations to the project documents after completion of the detailed estimate can cause major cost changes. In these circumstances, Leland Saylor Associates should be notified and an appropriate adjustment made to the detailed estimate.

Attachment D



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
BID DATE: 07/16
ESTIMATE DATE: 2/22/2016

PREFACE AND NOTES TO THE ESTIMATE

5.0 GROSS SQUARE FEET

BUILDING	GSF
TOTAL	5,002
TOTAL Gross Floor Area	5,002

6.0 WAGE RATES

6.1 This Estimate is based on prevailing wage-rates and conditions currently applicable in ORINDA, CA.

7.0 PRORATE ADDITIONS TO THE ESTIMATE

7.1 GENERAL CONDITIONS: 10.00%

An allowance based on 10.00% of the construction costs subtotal has been included for Contractor's General Conditions.

7.2 CONTINGENCY: 2.00%

An allowance based on 2.00% of the construction costs subtotal has been included for Design/Estimating Contingency.

NOTE: This allowance is intended to provide a Design Contingency sum only, for use during the design process. It is not intended to provide for a Construction Contingency sum.

Attachment D



PROJECT: **MOFD STATION #43**
LOCATION: **ORINDA, CA**
CLIENT: **SHAW KAWASAKI ARCHITECTS**
DESCRIPTION: **FIREHOUSE # 43**

JOB NUMBER: **16-007D**
PREPARED BY: **GK, SB, TC, AH**
BID DATE: **07/16**
ESTIMATE DATE: **2/22/2016**

PREFACE AND NOTES TO THE ESTIMATE

7.3 ESCALATION: 5.33%

An allowance of 5.33% has been included in this estimate for construction material & labor cost escalation up to the anticipated mid-point of construction, based on the following assumptions:

Construction start date:	8/1/2016
Construction period:	15 months
Mid-point of construction:	3/15/2017
Annual escalation rate:	5.00%
Allowance for escalation:	5.33%

No allowance has been made for Code Escalation or Technological Escalation.

7.4 GEOGRAPHIC FACTOR - REMOTE SITE 0.00%

This estimate is based on current market prices for work of a similar character, done in ORINDA, CA. No adjustment is required for geographical location factor.

7.5 PHASING ALLOWANCE 0.00%

No Phasing Allowance is needed for this job.

7.6 BONDS: 2.00%

An allowance of 2.00% of the construction cost subtotal is included to provide for the cost of Payment and Performance Bonds, if required.

Attachment D



PROJECT: MOFD STATION #43
LOCATION: ORINDA, CA
CLIENT: SHAW KAWASAKI ARCHITECTS
DESCRIPTION: FIREHOUSE # 43

JOB NUMBER: 16-007D
PREPARED BY: GK, SB, TC, AH
BID DATE: 07/16
ESTIMATE DATE: 2/22/2016

PREFACE AND NOTES TO THE ESTIMATE

7.7 CONTRACTOR'S FEE: 6.00%

An allowance based on 6.00% of the construction cost subtotal is included for Contractor's office Overhead and Profit. Office overhead of the contractor is always included with the fee.

All field overhead of the contractor is included in the General Conditions section of the estimate.

8.0 SPECIAL NOTES PERTAINING TO THIS ESTIMATE

8.1 SPECIFIC INCLUSIONS:

The following items are specifically included in this estimate:

NONE

8.2 SPECIFIC EXCLUSIONS:

The following items are specifically excluded from this estimate:

HAZMAT
SOIL REMEDIATION



PROJECT: **MOFD STATION #43**
LOCATION: **ORINDA, CA**
CLIENT: **SHAW KAWASAKI ARCHITECTS**
DESCRIPTION: **FIREHOUSE # 43**

JOB NUMBER: **16-007D**
PREPARED BY: **GK, SB, TC, AH**
CHECKED BY: **BSS**
ESTIMATE DATE: **2/22/2016**

SECTION II

SUMMARY OF ESTIMATE

Attachment D

PROJECT: **MOFD STATION #43**
 LOCATION: **ORINDA, CA**
 CLIENT: **SHAW KAWASAKI ARCHITECTS**
 DESCRIPTION: **FIREHOUSE # 43**

LSA PROJECT NO: **16-007D**
 PREPARED BY: **GK, SB, TC, AH**
 CHECKED BY: **BSS**
 ESTIMATE DATE: **2/22/2016**
 PROJECT GSF: **5,002**

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	FIREHOUSE # 43	5,002	GSF	663.22	3,317,441
	PROJECT TOTAL	5,002	GSF	663.22	3,317,441
	PRORATES INCLUDED ABOVE				
	General Conditions	10.00%			
	Design Contingency	2.00%			
	Escalation	5.33%			
	Geographic Factor - Remote Site	0.00%			
	Phasing Allowance	0.00%			
	SUBTOTAL				
	Bonds	2.00%			
	Overhead and Profit	6.00%			
	TOTAL PROJECT COSTS				

Competitive Bidding

The prices in this Estimate are based on Competitive Bidding. Competitive Bidding is receiving responsive bids from at least five (5) or more General Contractors and three (3) or more responsive bids from Major Subcontractors or Trades. Major Subcontractors are Plaster / Drywall, Mechanical, Plumbing and Electrical Subcontractors.

Without Competitive Bidding, Contractor bids can and have ranged from 25%-to 100% over the prices in this Estimate, depending on the size of the job.

We urge you to notify your client of the existing bidding climate, and work with them to ensure that the project is adequately publicized so that they can get the minimum number of bids for competitive bidding. Please contact LSA if you need ideas about how to publicize your project.



PROJECT: **MOFD STATION #43**
LOCATION: **ORINDA, CA**
CLIENT: **SHAW KAWASAKI ARCHITECTS**
DESCRIPTION: **FIREHOUSE # 43**

JOB NUMBER: **16-007D**
PREPARED BY: **GK, SB, TC, AH**
CHECKED BY: **BSS**
ESTIMATE DATE: **2/22/2016**

SECTION III

ESTIMATE DETAIL

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
 PREPARED BY: GK, SB, TC, AH
 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
1.1	DEMOLITION			31.24	156,244
1.2	SITWORK			102.37	512,074
2.1	SUBSTRUCTURE			32.09	160,536
3.0	STRUCTURE			67.92	339,736
4.1	ENCLOSURE, VERTICAL			63.92	319,738
4.2	ENCLOSURE, HORIZONTAL			19.46	97,337
4.3	SUPPORT ITEMS			-	NONE
5.1	INTERNALS, VERTICAL			52.83	264,265
5.2	INTERNALS, HORIZONTAL			17.40	87,013
5.3	FINISHES, SPECIAL			-	NONE
5.4	INTERIORS			10.70	53,525
6.0	SPECIALTIES			5.15	25,760
7.0	EQUIPMENT			-	NONE
8.0	SPECIAL CONSTRUCTION			2.55	12,750
9.0	CONVEYING			-	NONE
10.1	PLUMBING			26.28	131,445
10.15	FIRE PROTECTION SYSTEMS			6.90	34,514
10.2	HVAC			26.19	130,998
11.0	ELECTRICAL			41.75	208,817
11.2	SPECIAL ELECTRICAL			16.64	83,255
	TOTAL SITE & BUILDING	2,618,005		523.39	2,618,005
	PRORATES				
	General Conditions	10.00%		52.34	261,800
	Design Contingency	2.00%		10.47	52,360
	Escalation	5.33%		27.90	139,540
	Geographic Factor - Remote Site	0.00%		-	-
	Phasing Allowance	0.00%		-	-
	SUBTOTAL			614.10	3,071,705
	Bonds	2.00%		12.28	61,434
	Overhead and Profit	6.00%		36.85	184,302
	TOTAL PROJECT COSTS			663.22	3,317,441

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
 PREPARED BY: GK, SB, TC, AH
 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
1.0	GENERAL CONDITIONS (SEE PRORATES ABOVE)				
	ENGINEERING / TESTING / SHOP DRAWINGS				
	SOIL ENGINEER SITE INSPECTION (PILES)	48	EA	120.00	5,760
	SPECIAL INSPECTION (CONCRETE TESTING)	20	TRUCK	250.00	5,000
	SHOP DRAWINGS (TRUSSES, 74 EA)	1	LS	10,000.00	10,000
1.1	DEMOLITION				
	REMOVE CONCRETE PAVING; AS PER DRAWING C-100	1,797	SF	5.00	8,985
	REMOVE ASPHALT; AS PER DRAWING C-100	194	SF	5.00	970
	VALLEY GUTTER TO BE REMOVED; AS PER DRAWING C-100	48	LF	10.00	480
	CONCRETE CURB TO BE REMOVED; AS PER DRAWING C-100	39	LF	5.00	195
	EXISTING BUILDING TO BE REMOVED; AS PER DRAWING C-100	1,342	SF	20.00	26,840
	EXISTING STAIRS TO BE REMOVED; AS PER DRAWING C-100	38	SF	20.00	760
	RELOCATION OF FLAG POLE; AS PER DRAWING C-100	1	ITEM	200.00	200
	SAWCUT FOR DRIVE WAY; AS PER DRAWING C-100	70	LF	12.00	840
	REMOVE EXISTING LANDSCAPING	441	SF	5.00	2,205
	RELOCATE BOULDER	1	LS	200.00	200
	TREE REMOVAL				
	46", 40", 36" STUMP	3	EA	500.00	1,500
	24" STUMP	2	EA	400.00	800
	16", 12" STUMP	2	EA	250.00	500
	32" REDWOOD	1	EA	2,500.00	2,500
	21", 20", 18", 19", 20", 21", FIR	7	EA	1,750.00	12,250
	13", 14", 15", 16" FIR	9	EA	1,200.00	10,800
	12" CEDAR	2	EA	1,000.00	2,000
	8", 9", 10", 11" FIR	5	EA	750.00	3,750
	5", 7" TREE	2	EA	350.00	700

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
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 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	SITE WORK REMOVAL :				
	REMOVE CONCRETE CURB	348	LF	6.00	2,088
	REMOVE EXIST. SAND PIT, 8' x 8'	1	EA	1,200.00	1,200
	REMOVE CONCRETE RETAINING WALL	40	LF	75.00	3,000
	REMOVE CONCRETE VALLEY GUTTER	66	LF	8.00	528
	REMOVE AC PAVING	300	SF	2.00	600
	REMOVE CONCRETE PAVING	4,765	SF	2.50	11,913
	REMOVE BRICK PLANTER, 8' x 3'6"	1	EA	1,500.00	1,500
	REMOVE FLAG POLE	1	EA	400.00	400
	REMOVE BASKETBALL HOOP	1	EA	300.00	300
	REMOVE FUEL TANK, SAVAGE & RELOCATE	1	EA	1,500.00	1,500
	REMOVE EXISTING BUILDING	2,060	SF	8.00	16,480
	REMOVE EXISTING STAIRS	20	LF	50.00	1,000
	REMOVE EXISTING UTILITY				
	REMOVE EXIST. CB & 6" METAL PIPE	1	EA	2,000.00	2,000
	REMOVE EXIST. GAS METER & GAS SERVICE LINE	1	EA	3,000.00	3,000
	REMOVE EXIST. WATER METER & WATER SERVICE LINE & VALVE	100	LF	25.00	2,500
	REMOVE EXISTING OVERHEAD ELECTRICAL LINE	1	LS	3,000.00	3,000
	REMOVE DEBRIS, HAULING	1	LS	8,000.00	8,000
	SUBTOTAL 1.1			31.24	156,244

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
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 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
1.2	SITework				
	NEW PAVERS				
	POROUS UNIT PAVER; INCLUDING BUTT JOINTS, AS PER DRAWING L-501, DETAIL 7	441	SF	25.00	11,025
	AGGREGATE BEDDING SAND ASTM #8, AS PER DRAWING L-501, DETAIL 7	441	SF	7.50	3,308
	AGGREGATE OPEN GRADED BASE ASTM #57, AS PER DRAWING L-501, DETAIL 7	441	SF	7.50	3,308
	AGGREGATE SUB BASE ASTM #2, 9" THICK ; COMPACTED 95% RELATIVE COMPACTION EXISTING SUBGRADE, AS PER DRAWING L-501, DETAIL 7	12	CY	30.00	367
	CONCRETE DRIVEWAY				
	NEW CONCRETE DRIVEWAY; CONCRETE 8" THICK, INCLUDING CONTRACTION JOINTS, AS PER DRAWING C-502 DETAIL 5	117	CY	180.00	21,060
	REBAR 4#	12,927	LBS	1.75	22,622
	CLASS 11 AGGREGATE BASE ROCK; 8", AS PER DRAWING C-502 DETAIL 5	4,848	SF	5.00	24,240
	CONCRETE CURB; ', AS PER DRAWING C-502 DETAIL 5	65	LF	15.00	975
	CONCRETE WALK WAY				
	NEW CONCRETE WALKWAY; 4", AS PER DRAWING C-503, DETAIL 1	702	SF	10.00	7,020
	REINFORCEMENT; 4#	1,886	LBS	1.75	3,301
	ACCESSIBLE PARKING				
	CONCRETE PARKING PAD; AS PER DRAWING C-501, AS PER DETAIL 1	144	SF	10.00	1,440
	NEW CONCRETE GUTTER; AS PER DRAWING C-501, AS PER DETAIL 1	30	LF	25.00	750
	4" BLUE PAINT STRIPES @ 1'-6"; AS PER DRAWING C-501, AS PER DETAIL 1	144	SF	0.50	72
	3" WIDTH OF DETECTABLE WARNING SURFACE; AS PER DRAWING C-501, AS PER DETAIL 1	1	ITEM	500.00	500
	ACCESSIBLE PARKING SIGNAGE; AS PER DRAWING C-501, DETAIL 1	1	ITEM	1,500.00	1,500

PROJECT: MOFD STATION #43
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 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
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 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	OTHER				
	CONCRETE VALLEY GUTTER; 3' WIDE, AS PER DRAWING C-503 DETAIL 6	40	LF	15.00	600
	ABOVE GRADE FUEL VAULT; AS PER DRAWING C101	1	ITEM	5,000.00	5,000
	NEW SAND PIT; AS PER DRAWING C101	1	ITEM	2,000.00	2,000
	EARTHEN SWALES	261	LF	5.00	1,305
	FREE STANDING SIGN	1	LS	3,000.00	3,000
	WOOD FENCE ; ON TOP OF RETAINING WALL; AS PER DRAWING L-201	68	LF	50.00	3,400
	STAIR HANDRAILS; 1.5" STAINLESS STEEL TUBE RAILING, AS PER DRAWING L-201	10	LF	200.00	2,000
	BIKE RACK	1	ITEM	1,500.00	1,500
	LANDSCAPING				
	JUTE MESH; HYDRO CONTROL SEEDING; AS PER DRAWING L-201	4,570	SF	2.50	11,425
	CONCRETE UNIT PAVER; B6 TAHOE GRANITE, PACIFIC INTERLOCK PAVING STONE PAUL HATHAWAY; AS PER DRAWING L-201	113	SF	10.00	1,130
	GROUND COVER; ARC EME ARCTOSTAPHYLOS 'EMERALD CARPET'; COMMON NAME MANZANITA, AS PER DRAWING L-301	3,360	SF	3.00	10,080
	MULCH, AS PER DRAWING L-301	2,710	SF	2.00	5,420
	HYDROSEED MIX; FETUSCA RUBRA MOLATE BLUE, FETUSCA IDAHOENSIS, FETUSCA OCCIDENTALIS, AS PER DRAWING L-301	1,730	SF	1.50	2,595
	GROUND COVER; EMERALD CARPET, MANZANITA, AS PER DRAWING L-301	5,249	SF	2.50	13,123
	IRRIGATION PIPING, VALVES AND HEADS	6,979	SF	3.00	20,937
	IRRIGATION CONTROLLER; AS PER KEY NOTE 18, DRAWING 1A21	1	EA	1,000.00	1,000

PROJECT: MOFD STATION #43
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 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	TREES				
	AESCLUS CALIFORNICA; CALIFORNIA BUCKEYE SIZE 15 GAL; AS PER DRAWING L-301	2	EA	300.00	600
	CERCIS OCCIDENTALIS; WESTERN REDBUD , 24" BOX, AS PER DRAWING L-301	6	EA	1,500.00	9,000
	QUERCUS AGRIFOLIA; COAST LIVE OAK, 15 GAL, AS PER DRAWING L-301	3	EA	300.00	900
	ARCTOSTAPHYLOS BAKERI 'LOUIS EDMUND'; MANZANITA , 5 GAL, AS PER DRAWING L-301	10	EA	60.00	600
	CARPENTARIA CALIFORNICA; BUSH ANEMONE, 5 GAL, AS PER DRAWING L-301	8	EA	60.00	480
	CEANOTHUS; JOYCE COULTER, 1 GAL, AS PER DRAWING L-301	8	EA	20.00	160
	CEANOTHUS; DARKSTAR, 1 GAL, AS PER DRAWING L-301	7	EA	20.00	140
	CISTRUS LADANIFER BLANCE; WHITE ROCKROSE, AS PER DRAWING L-301	19	EA	50.00	950
	LAVATERA ASSURGENTIFLORA; TREE MALLOW, 5 GAL, AS PER DRAWING L-301	7	EA	60.00	420
	RHA CAL RHAMNUS CALIFORNCIA 'EVE CASE'; COFFEEBERRY, 5 GAL, AS EPR DRAWING L-301	11	EA	60.00	660
	SAL CLE SALVIA CELVELANDIII; CLEVE SAGE; 1 GAL, AS PER DRAWING L-301	17	EA	20.00	20
	HEL SEM HELICTOTRICHON SEMPERVIRENS; BLUE OAT GRASS, 1 GAL, AS PER DRAWING L-301	12	EA	20.00	240
	ROMNEYA COUTLERI; MATILJA POPPY, 1 GAL, AS PER DRAWING L-301	26	EA	20.00	520
C -101	GRADING / DRAINAGE				
	SAWCUT EXIST. ROADWAY	90	LF	7.00	630
	SAND PIT, EL 490.22	64	SF	10.00	640
	CLEAR & GRUB	14,945	SF	2.00	29,890
	ROUGH GRADING	17,005	SF	4.00	68,020

PROJECT: MOFD STATION #43
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
3/C-503	CONCRETE RETAINING WALLS, EL 3' - 0'	57	LF		
	EXCAVATION & SOIL REMOVAL, HAULING	84	CY	45.00	3,800
	16" DIA CONCRETE PIERS, 15' MINIMUM	12	EA		
	PIER DRILLING	180	LF	15.00	2,700
	REINFORCING STEEL, 4 x #5 x 15' + TIES	1,145	LBS	0.90	1,031
	REINFORCING STEEL, DOWELS W/STD	48	EA	20.00	960
	HOOKS, MATCH RE-BAR, 6' I x 4 EA/PIER				
	CONCRETE, 3000 PSI, MATERIAL ONLY	10	CY	175.00	1,750
	CONCRETE, PURE IN PLACE, PUMPING	10	CY	240.00	2,400
	RETAINING WALLS				
	FORM WORK	342	SF	15.00	5,130
	REINFORCING STEEL, #5 x 16" OC	291	LBS	0.90	262
	CONCRETE, 3000 PSI, MATERIAL ONLY	4	CY	175.00	613
	CONCRETE, PURE IN PLACE, PUMPING	4	CY	320.00	1,120
	FILTER FABRIC	285	SF	5.00	1,425
	3/4" CRUSHED DRAIN ROCK	11	CY	36.00	380
2,3/C-503	KEYSTONE RETAINING WALLS	88	LF		
	EXCAVATION	50	CY	12.00	600
3/C-503	KEYSTONE RETAINING WALLS	204	SF	35.00	7,140
	KEYSTONE RETAINING WALL CAP	88	LF	12.00	1,056
	CRUSHED STONE PAD	7	CY	40.00	280
	FILTER FABRIC	704	SF	5.00	3,520
	3/4" CRUSHED DRAIN ROCK	11	CY	36.00	396
	UTILITY LINE				
20	6" STORM DRAIN	435	LF	55.00	23,925
24	CHRISTY-V1 AREA DRAIN	1	EA	335.00	335
25	CHRISTY-V12 CATCH BASIN	1	EA	800.00	800
26	CHRISTY-V21 CATCH BASIN	2	EA	1,200.00	2,400
27	CHRISTY-V24 JUNCTION BOX	2	EA	1,200.00	2,400
40	4" SANITARY SEWER	149	LF	42.00	6,258
45	500 GAL SAND / OIL INTERCEPTOR	1	EA	6,000.00	6,000
41	E-1 SEWER EJECTOR SYSTEM	1	EA	6,600.00	6,600
44	1 1/2" SCH. 80 PIPE PRESSURE LINE	79	LF	75.00	5,925

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
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 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
43	JOINT TRENCH EXCAVATION	35	LF	20.00	700
	4" PVC C900 FIRE PROTECTION LINE	43	LF	30.00	1,290
	UNDERGROUND DETECTOR, 9/C-502	1	EA	5,000.00	5,000
42	DOMESTIC WATER, 1 1/2" MINIMUM SERVICE LINE	43	LF	40.00	1,720
	GAS LINE	43	LF	50.00	2,150
	IRRIGATION LINE	13	LF	12.00	156
	BACKFLOW PREVENTER	1	EA	5,500.00	5,500
	TL 6" RETAINING WALL SUB DRAIN	128	LF	65.00	8,320
	4" PERFORATED DRAIN PIPE	260	LF	18.00	4,680
28	RIP-RAP OUT LINE	45	SF	5.00	225
	SITE ELECTRICAL				
	4" C.O. PRIMARY DUCT BANK	20	LF	27.25	545
	TRANSFORMER PAD	1	EA	1,500.00	1,500
	PADMOUNT TRANSFORMER, PRIMARY CONDUCTORS, EXCLUDED				-
	5" C.O. SECONDARY DUCT BANK	55	LF	29.18	1,605
	1-1/2", 4#2, 6G TO ATS-1	50	LF	28.32	1,416
	3", 4#350, 2G TO ATS-2	50	LF	75.56	3,778
	EMERGENCY GENERATOR, 85KW	1	EA	39,530.00	39,530
	GENERATOR WP ENCLOSURE	1	EA	14,700.00	14,700
	GENERATOR SPRING ISOLATORS	6	EA	254.00	1,524
	GENERATOR STARTUP	1	EA	1,470.00	1,470
	GENERATOR LOAD TEST	1	EA	1,470.00	1,470
	START UP FUEL	250	GALL	4.00	1,000
	GENERATOR REMOTE ANNUNCIATOR	1	EA	650.00	650
	GENERATOR ANNUNCIATOR WIRING	90	LF	11.32	1,019
	GENERATOR CONTROL WIRING	50	LF	15.48	774
	CONNECT GENERATOR BLOCK HEATER	1	EA	105.00	105
	CONNECT BATTERY CHARGER	1	EA	105.00	105
	GENERATOR HOUSEKEEPING PAD	1	EA	3,500.00	3,500
	WP RECEPTACLE	1	EA	136.00	136
	3/4", 3#12, 12G	220	LF	11.56	2,543

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	CONNECT FUEL PUMPS	2	EA	150.00	300
	FUEL PUMP EMERGENCY SHUT OFF SWITCH	1	EA	269.00	269
	EXPLOSION PROOF SEAL-OFF FITTINGS	4	EA	115.00	460
	CHRISTY N9 PULLBOX	1	EA	332.00	332
	1" CONDUIT FOR FUTURE EV CHARGER	40	LF	9.52	381
	1" CONDUIT, CABLE TO LEAK DETECTION PANEL	100	LF	15.00	1,500
	CONNECT SEWAGE EJECTOR	1	EA	105.00	105
	DISCONNECT SWITCHES, 30A, NEMA 3R	1	EA	386.00	386
	EXCAVATION, BACKFILL	230	LF	15.00	3,450
	2" CONDUIT FOR TV SERVICE	70	LF	9.02	631
	(1) 4", (1) 2" CONDUITS FOR TELEPHONE SERVICE	70	LF	24.21	1,695
	SITE LIGHTING				
	FIXTURE TYPE N, LED FLOOD	3	EA	369.00	1,107
	FIXTURE TYPE P, LED PATHWAY FIXTURE	3	EA	348.00	1,044
	FIXTURE TYPE U, LED FLOOD	2	EA	369.00	738
	CONDUIT, WIRE, EXCAVATION	160	LF	21.80	3,488
	SUBTOTAL 1.2			102.37	512,074
2.1	SUBSTRUCTURE				
	EARTHWORK :				
	OVEREXCAVATION - NONE NOTED				
	ROUGH GRADING @ ELEVATION 486.75, APPARATUS ROOM	1,487	SF	4.00	5,948
	ROUGH GRADING @ ELEVATION 487.05, (GRID LINE 2 - 3)	712	SF	4.00	2,846
	ROUGH GRADING @ ELEVATION 485.44, (GRID LINE 3 - 5)	1,038	SF	4.00	4,154
	FINAL GRADING FOR SLAB @ APPARATUS ROOM	1,487	SF	1.50	2,231
	FINAL GRADING FOR SLAB @ AREA, GRID 2 - 3	712	SF	1.50	1,067
	FINAL GRADING @ AREA, GRID 3 -5	1,038	SF	1.50	1,558
	EXCAVATION FOR ELEVATOR PIT	18	CY	15.00	267

PROJECT: MOFD STATION #43
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 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
GB-2	EXCAVATION FOR GRADE BEAM : EXCAVATION & SOIL REMOVAL, HAULING	51	CY	45.00	2,295
GB-3	EXCAVATION & SOIL REMOVAL, HAULING	40	CY	45.00	1,800
3A/S-500	EXCAVATION & SOIL REMOVAL, HAULING	3	CY	45.00	120
6/S-500	EXCAVATION & SOIL REMOVAL, HAULING	11	CY	45.00	500
	BACKFILL W / COMPACTION	42	CY	16.00	672
4/S -500	PIER FOUNDATION				
	18" DIA CONCRETE PIERS, 15' MINIMUM	36	EA		
	PIER DRILLING	540	LF	20.00	10,800
	REINFORCING STEEL, 6 x #7 x 15' + SPIRAL TIE	12,275	LBS	0.90	11,048
	REINFORCING STEEL, DOWELS W/STD HOOKS, MATCH RE-BAR, 6' I x 6 EA / PIER	216	EA	24.00	5,184
	CONCRETE, 3000 PSI, MATERIAL ONLY	36	CY	175.00	6,300
	CONCRETE, PURE IN PLACE, PUMPING	36	CY	240.00	8,640
	FOUNDATIONS				
	APPARATUS RM, GRIDS 1 - 2 & B - E				
7/S-500	GRADE BEAM GB-2 @ APPARATUS RM, 18" x 18"	112	LF		
	FORM WORK	336	SF	8.00	2,688
	KEY FORM	112	LF	3.00	336
	REINFORCING STEEL, #6 x 6 EA + TIES	1,348	LBS	0.90	1,214
	REINFORCING STEEL, DOWELS W/STD HOOKS, MATCH RE-BAR, 6' I x 18" OC	75	EA	24.00	1,800
	CONCRETE, 3000 PSI, MATERIAL ONLY	9	CY	175.00	1,575
	CONCRETE, PURE IN PLACE, PUMPING	9	CY	240.00	2,160
	AREA, GRIDS 2 - 3 & A - F				
1/S-500	GRADE BEAM GB-2 @ GRIDS 2, A & F, 18" x 18"	84	LF		
	FORM WORK	252	SF	8.00	2,016
	KEY FORM	84	LF	3.00	252
	REINFORCING STEEL, #6 x 6 EA + TIES	1,011	LBS	0.90	910

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
 PREPARED BY: GK, SB, TC, AH
 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	REINFORCING STEEL, DOWELS W/STD HOOKS, MATCH RE-BAR, 6' I x 18" OC	56	CY	24.00	1,344
	CONCRETE, 3000 PSI, MATERIAL ONLY	7	CY	175.00	1,225
	CONCRETE, PURE IN PLACE, PUMPING	7	CY	240.00	1,680
3/S-500	GRADE BEAM GB-2 @ GRIDS 3, 12" x 30"	64	LF		
	FORM WORK	320	SF	8.00	2,560
	KEY FORM	64	LF	3.00	192
	REINFORCING STEEL, #5,5 # /SF	1,264	LBS	0.90	1,137
	REINFORCING STEEL, DOWELS W/STD HOOKS, MATCH RE-BAR, 6' I x 18" OC	43	EA	24.00	1,024
	CONCRETE, 3000 PSI, MATERIAL ONLY	6	CY	175.00	1,050
	CONCRETE, PURE IN PLACE, PUMPING	6	CY	240.00	1,440
	3/4" CRUSHED DRAIN ROCK	12	CY	40.00	480
step footing	GRADE BEAM GB-3 @ GRIDS B,C,D & E,	44	LF		
	FORM WORK	220	SF	8.00	1,760
	KEY FORM	44	LF	3.00	132
	REINFORCING STEEL, (SIMILAR TO ABOVE)	1,740	LBS	0.90	1,566
	CONCRETE, 3000 PSI, MATERIAL ONLY	8	CY	175.00	1,400
	CONCRETE, PURE IN PLACE, PUMPING	8	CY	240.00	1,920
	3/4" CRUSHED DRAIN ROCK	6	CY	40.00	240
	AREA, GRIDS 3 - 5 & A - F				
3A, 6, 7/S-500	GRADE BEAM GB-2 @ GRIDS 3, 18" x 18"	96	LF		
	FORM WORK	480	SF	8.00	3,840
	KEY FORM	96	LF	3.00	288
	REINFORCING STEEL, (SIMILAR TO ABOVE)	1,724	LBS	0.90	1,551
	CONCRETE, 3000 PSI, MATERIAL ONLY	8	CY	175.00	1,400
	CONCRETE, PURE IN PLACE, PUMPING	8	CY	240.00	1,920
	3/4" CRUSHED DRAIN ROCK	9	CY	40.00	360
step footing	GRADE BEAM GB-3 @ GRIDS 3, 18" x 18"	71	LF		
10/S-500	FORM WORK	291	SF	8.00	2,328
	KEY FORM	71	LF	3.00	213
	REINFORCING STEEL, (SIMILAR TO ABOVE)	2,146	LBS	0.90	1,932

PROJECT: MOFD STATION #43
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LSA JOB NO: 16-007D
 PREPARED BY: GK, SB, TC, AH
 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	CONCRETE, 3000 PSI, MATERIAL ONLY	10	CY	175.00	1,750
	CONCRETE, PURE IN PLACE, PUMPING	10	CY	240.00	2,400
	3/4" CRUSHED DRAIN ROCK	6	CY	40.00	240
	SLAB ON GRADE				
	6" MINERAL FREE DRAINING COMPACTED ROCK	1	CY	40.00	47
	REINFORCING STEEL, #4 @ 12" OC EACH WAY	210	LBS	0.90	189
	12" CONCRETE, 4000 PSI, MATERIAL ONLY	2	CY	185.00	432
	12" CONCRETE, PURE IN PLACE, PUMPING	2	CY	220.00	513
10/S-500	CONCRETE WALLS				
	FORM WORK	256	SF	20.00	5,120
	KEY FORM	64	LF	3.00	192
	REINFORCING STEEL, (SIMILAR TO ABOVE)	639	LBS	0.90	575
	CONCRETE, 4000 PSI, MATERIAL ONLY	3	CY	185.00	555
	CONCRETE, PURE IN PLACE, PUMPING	3	CY	320.00	960
	WATERPROOF MEMBRANE	128	SF	6.00	768
	SLAB ON GRADE				
	APPARATUS RM, DETAIL 5A/S-001				
	6" MINERAL FREE DRAINING COMPACTED ROCK	28	CY	40.00	1,120
	REINFORCING STEEL, #4 @ 12" OC EACH WAY	2,231	LBS	0.90	2,008
	9" CONCRETE, 4000 PSI, MATERIAL ONLY	41	CY	185.00	7,585
	9" CONCRETE, PURE IN PLACE, PUMPING	41	CY	220.00	9,020
	ADDITIONAL CONCRETE @ PERIMETER	6	CY	405.00	2,430
	AREA, GRID 2 - 3, DETAIL 5/S-001				
	6" MINERAL FREE DRAINING COMPACTED ROCK	12	CY	40.00	480
	REINFORCING STEEL, #4 @ 12" OC EACH WAY	1,004	LBS	0.90	904

PROJECT: MOFD STATION #43
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 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	6" CONCRETE, 4000 PSI, MATERIAL ONLY	12	CY	185.00	2,220
	6" CONCRETE, PURE IN PLACE, PUMPING	12	CY	220.00	2,640
	ADDITIONAL CONCRETE @ PERIMETER	3	CY	405.00	1,290
11/S-500	ENTRY CANOPY				
	PILE CAP, 2' x 2' x 2'	2	EA		
	FORM WORK	32	SF	8.00	256
	REINFORCING STEEL, (SIMILAR TO ABOVE)	126	LBS	0.90	113
	CONCRETE, 3000 PSI, MATERIAL ONLY	1	CY	175.00	175
	CONCRETE, PURE IN PLACE, PUMPING	1	CY	240.00	240
	GRADE BEAM GB-1	16	LF		
	FORM WORK	48	SF	8.00	384
	KEY FORM	16	LF	3.00	48
	REINFORCING STEEL, (SIMILAR TO ABOVE)	190	LBS	0.90	171
	CONCRETE, 3000 PSI, MATERIAL ONLY	1	CY	175.00	175
	CONCRETE, PURE IN PLACE, PUMPING	1	CY	240.00	240
	3/4" CRUSHED DRAIN ROCK	3	CY	40.00	120
	CONCRETE CURB				
CONCRETE CURB UNDER SHEAR WALLS	212	LF	18.00	3,816	
SUBTOTAL 2.1				32.09	160,536
3.0 3/S-502 2 / S-502	STRUCTURE				
	STEEL STRUCTURE				
	BEAM SUPPORTS	8	EA	750.00	6,000
	HSS COLUMNS, ALLOW 6" x 6" x 1/2" x 6 EA	3,888	LBS	3.50	13,608
	ADD FOR NAILERS, 6 COLUMNS	108	LF	30.00	3,240
	W12 x 26 LIFT BEAM (ELEVATOR LIFT)	208	LBS	3.00	624
	COLUMNS BASE PLATE	8	EA	500.00	4,000
	HSS 5 x 5 x 5.16 ELEVATOR RAILS DETAIL 3/S-502	2,290	LBS	3.50	8,015
	STEEL CONNECTION DETAILS, 10% RAILS BRACKET AS OCCUR PER MFR.	640	LBS	3.50	2,240
				BY ELEVATOR MFR.	

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	1ST FLOOR STRUCTURE				
	1ST FLOOR FRAMING, GRIDS 3 - 5				
	3 1/2" x 12" LSL BEAMS, 3 EA x 16'	48	LF	30.00	1,440
	IJ-1 JOISTS @ 16" OC, 18 EA x 16'	288	LF	5.00	1,440
	IJ-1 JOISTS @ 12" OC, 41 EA x 16'	656	LF	5.00	3,280
	IJ-1 JOISTS, ADD FOR DOUBLE JOISTS, 4 EA x 16'	64	LF	12.00	768
	4 X 12 LEDGER, DETAIL 3/S-500, 1 EA	60	LF	68.00	4,080
	ITS HANGERS	65	EA	35.00	2,275
	3/4" PLYWOOD , DETAIL 4B/S-002	1,008	SF	3.00	3,024
	ADD FOR BLOCKING	1,008	SF	2.50	2,520
	SHEAR WALL 1ST FLOOR & CRAWL SPACE				
	SHEAR WALLS, 2" x 8" STUDS W/ 1/2" PLYWOOD SHEATHING :				
	SHEAR WALL TYPE "A" (PLYWOOD 1 SIDE)	320	SF	10.00	3,200
	SHEAR WALL TYPE "B" (PLYWOOD 1 SIDE)	1,814	SF	12.00	21,768
	SHEAR WALL TYPE "C" (PLYWOOD 1 SIDE)	-	SF	13.00	-
	SHEAR WALL TYPE "D" (PLYWOOD, STR.1, 1 SIDE)	906	SF	15.00	13,589
	SHEAR WALL TYPE "E" (PLYWOOD, STR. 1, 2 SIDES)	220	SF	19.00	4,180
	ADD FOR 8" x 8" COLUMNS, 8' H (1ST FLOOR)	36	EA	70.00	2,520
	ADD FOR 8" x 8" COLUMNS, 4' H (CRAWL SPACE)	10	EA	35.00	350
	HARDWARE				
	HDU 2	7	EA	75.00	525
	HDU 2 WITH HD ABOVE	1	EA	180.00	180
	HDU 4	5	EA	95.00	475
	HDU 8	15	EA	120.00	1,800
	HDU 11	11	EA	140.00	1,540
	HDU 14	4	EA	165.00	660
	OTHER HARDWARE	1,008	SF	2.00	2,016

PROJECT: MOFD STATION #43
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 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
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 CHECKED BY: BSS
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	2 ND FLOOR STRUCTURE				
	2 ND FLOOR FRAMING, GRIDS 2 - 5				
	3 1/2" x 12" LSL BEAMS, 5 EA x	105	LF	30.00	3,150
	3 1/2" x 12" LSL BEAMS, 5 EA x	105	LF	30.00	3,150
	3 1/2" x 11 7/8" LSL BEAMS/HEADER, 10 EA	64	LF	35.00	2,240
	6" x 12" HEADER, , 8 EA	81	LF	50.00	4,050
	2" x 12" HEADER, , 1 EA	12	LF	20.00	240
	IJ-1 JOISTS @ 16" OC, 50 EA x 27'	1,350	LF	5.00	6,750
	3/4" PLYWOOD , DETAIL 4B/S-002	1,613	SF	3.00	4,839
	ADD FOR BLOCKING	1,613	SF	2.50	4,033
	SHEAR WALL 2 ND FLOOR				
	SHEAR WALLS, 2" x 8" STUDS W/ 1/2"				
	PLYWOOD SHEATHING :				
	SHEAR WALL TYPE "A" (PLYWOOD 1 SIDE)	212	SF	10.00	2,120
	SHEAR WALL TYPE "B" (PLYWOOD 1 SIDE)	608	SF	12.00	7,296
	SHEAR WALL TYPE "C" (PLYWOOD 1 SIDE)	-	SF	13.00	-
	SHEAR WALL TYPE "D" (PLYWOOD, STR.1, 1 SIDE)	671	SF	15.00	10,065
	SHEAR WALL TYPE "E" (PLYWOOD, STR. 1, 2 SIDES)	286	SF	19.00	5,434
	ADD FOR 8" x 8" COLUMNS, 10' H (2ND FLOOR)	26	EA	90.00	2,340
	HARDWARE				
	CS12 STIRRUPS, 3 EA	84	LF	22.00	1,848
	HDU 2	6	EA	75.00	450
	HDU 4	28	EA	95.00	2,660
	OTHER HARDWARE	1,613	SF	2.00	3,226
	ELEVATOR SHAFT WALLS				
	SHAFT WALL @ ELEVATOR ABOVE SHEAR WALL, 8' x 6' x 9'H	252	SF	24.00	6,048
	EXTER WALL @ ELEVATOR ABOVE ROOF, 8' x (2'x2) x 6'H	72	SF	12.00	864

PROJECT: MOFD STATION #43
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	ROOF FRAMING APPARATUS ROOM				
4/S-402	GABLE TRUSS, SPAN 42', ALLOWANCE FOR TRUSS ONLY	1	EA	1,050.00	1,050
	GIRDER TRUSS, 42' SPAN, ALLOWANCE FOR TRUSS ONLY	2	EA	1,200.00	2,400
	GIRDER TRUSS, 6' SPAN, ALLOWANCE FOR TRUSS ONLY	2	EA	150.00	300
	DBL. TRUSS TO TRANSFER 1,500 #, 42' SPAN, ALLOWANCE FOR TRUSS ONLY	2	EA	2,100.00	4,200
1/S-402	TYPICAL TRUSS, SPAN 42', ALLOWANCE FOR TRUSS ONLY	18	EA	925.00	16,650
	TRUSS INSTALLATION, LABOR & EQUIPMENT, ASSUME 3 DAYS CREW OF 4 + CRANE & OPERATOR	1	LS	18,144.00	18,144
	2 x 4 @ TOP & BOTTOM CHORD 6' I	20	EA	12.00	240
	6 3/4" x 15' GLB	4	EA	600.00	2,400
	4 x 8 @ TOP & BOTTOM CHORD 6' I	20	EA	12.00	240
	2 x 8 ROOF RAFTERS, 4' I	36	EA	20.00	720
	2 x 8 ROOF RAFTERS, 2' I	12	EA	12.00	144
	2 x 8 BLOCKING W/ VENT HOLES	70	LF	4.00	280
	3/4" PLYWOOD , DETAIL 4B/S-002	2,040	SF	3.00	6,120
	ADD FOR BLOCKING	2,008	SF	2.50	5,020
	ADD FOR DOUBLE ROW NAILING @ TOP CHORD	84	LF	10.00	840
	RIDGE, DETAIL 6/S-503 :				
	2 x 8 RIDGE JOISTS W/ VENT HOLES	80	LF	5.00	400
	SHAPER 3" x FLAT	40	LF	15.00	600
	HARDWARE				
	CMST12 STRAP OVER 3" x FLAT BLOCKING & PLYWOOD SHEATHING	76	LF	25.00	1,900
	OTHER HARDWARE	2,008	SF	2.00	4,016
	ROOF FRAMING FOR ENTRY CANOPY				
	4 X 12 BEAM	16	LF	25.00	400
	4 X 6 JOISTS, 9' EA	54	LF	15.00	810
	2 X 6 DECKING	144	SF	12.00	1,728

PROJECT: MOFD STATION #43
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	ROOF OVER 2 ND FLOOR				
	CALIFORNIA FRAMING & PLYWOOD SHEATHING	110	SF	24.00	2,640
	GIRDER TRUSS, 3' SPAN, ALLOWANCE FOR TRUSS ONLY	2	EA	90.00	180
	GIRDER TRUSS, 8' SPAN, ALLOWANCE FOR TRUSS ONLY	3	EA	200.00	600
	GIRDER TRUSS, 26' SPAN, ALLOWANCE FOR TRUSS ONLY	6	EA	900.00	5,400
	ALIGN DRAG TRUSSES, DETAIL 2/S-503	4	EA	400.00	1,600
	TYPICAL TRUSS, SPAN 26', ALLOWANCE FOR TRUSS ONLY	34	EA	650.00	22,100
	TRUSS INSTALLATION, LABOR & EQUIPMENT, ASSUME 4 DAYS CREW OF 4 + CRANE & OPERATOR	1	LS	24,192.00	24,192
	3/4" PLYWOOD , DETAIL 4B/S-002	2,292	SF	3.00	6,876
	ADD FOR BLOCKING	2,292	SF	2.50	5,730
	2 x 8 ROOF RAFTERS, 4' I	45	EA	20.00	900
	2 x 8 ROOF RAFTERS, 2' I	26	EA	12.00	312
	2 x 8 BLOCKING W/ VENT HOLES	114	LF	4.00	456
	RIDGE, DETAIL 6/S-503 :				
	2 x 8 RIDGE JOISTS W/ VENT HOLES	136	LF	5.00	680
	SHAPER 3" x FLAT	68	LF	15.00	1,020
	HARDWARE				
	HDU8 @ ROOF, DETAIL 10/S-503	6	EA	120.00	720
	ITS HANGERS	4	EA	15.00	60
	OTHER HARDWARE	2,292	SF	2.00	4,584
	ROOF OVER ELEVATOR SHAFT				
	2" x 8" JOISTS @ 16" OC	64	SF	8.00	512
	3/4" PLYWOOD , DETAIL 4B/S-002	64	SF	3.00	192
	ADD FOR BLOCKING	64	SF	2.50	160
	INSULATION, SHEAR WALL ONLY, ASSUME R19	5,360	SF	2.25	12,060
	SUBTOTAL 3.0			67.92	339,736

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
4.1	ENCLOSURE, VERTICAL WINDOW				
	WINDOW TYPE A; 3'0"X5'0"; ALUMINUM CLAD WOOD CASEMENT; AS PER DRAWINGS A-201, A-202	11	EA	1,425.00	15,675
	WINDOW TYPE B; 3'0"X4'6"; ALUMINUM CLAD WOOD CASEMENT; AS PER DRAWINGS A-201, A-202	2	EA	1,311.00	2,622
	WINDOW TYPE C; 5'0"X6'0"; ALUMINUM CLAD WOOD CASEMENT; AS PER DRAWINGS A-201, A-202	1	EA	2,850.00	2,850
	WINDOW TYPE D; 6'0"X7'6"; ALUMINUM CLAD WOOD CASEMENT; AS PER DRAWINGS A-201, A-202	1	EA	4,332.00	4,332
	30"x30" INTAKE LOUVER (2.35 SF FREE AREA) PTD EP-1; AS PER DRAWINGS A-201, A-202	3	EA	1,200.00	3,600
	CUSTOM LOUVER; SHEET NOTE 12; AS PER A-201	21	SF	50.00	1,050
	EXTERNAL STUD WALL; AS PER DRAWING S110	3,301	SF	5.00	16,505
	EXTERNAL WALL FINISHES				
	FIBER CEMENT SHINGLE SHAKES SIDING; AS PER DRAWING A-201	1,177	SF	30.00	35,310
	FIBER CEMENT LAP SIDING PTD EP-1; AS PER DRAWING A-201	2,124	SF	30.00	63,720
	EXTERIOR WALL INTERIOR, GYP, PAINT, BASE	4,726	SF	19.00	89,794
	DOORS				
	6070 EXTERIOR H.M. DOORS, FRAME, PAINT	2	EA	2,700.00	5,400
	3070 EXTERIOR WOOD GLASS & ALUMINUM DOORS	3	EA	2,600.00	7,800
	8070 EXTERIOR H.M. DOORS, FRAME, PAINT	1	EA	1,400.00	1,400
	3046 EXTERIOR H.M. DOORS, FRAME, PAINT	1	EA	900.00	900
	14' APPARATUS BAY DOORS	4	EA	15,000.00	60,000

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	HARDWARE GROUP 1	1	EA		
	SUPPLY				
	HW HINGE 5BB1HW 4.5 X 4.5 NRP	3	EA	60.00	180
	CLASSROOM/STORE ROOM	1	EA	500.00	500
	CO-100-MS-70-KP-RHO-PD				
	KICK PLATE 8400 10" X 2" LDW	1	EA	60.00	60
	DRIP CAP 17	1	EA	40.00	40
	DOOR SWEEP, 200NA	1	EA	30.00	30
	THRESHOLD, PER DETAIL	1	EA	100.00	100
	HARDWARE GROUP 2	2	EA		
	HW HINGE, 5BB1HW 4.5 X 4.5 NRP	6	EA	60.00	360
	CLASSROOM/STORE ROOM	2	EA	500.00	1,000
	CO-100-MS-70-KP-RHO-PD				
	KICK PLATE 8400 10" X 2" LDW	2	EA	60.00	120
	FLOOR STOP FS18S	2	EA	60.00	120
	DRIP CAP 17	2	EA	40.00	80
	DOOR SWEEP 200NA	2	EA	30.00	60
	HARDWARE GROUP 3	1	EA		
	HW HINGE, 5BB1HW 4.5 X 4.5 NRP	6	EA	60.00	360
	AUTO FLUSH BOLT FB31P	1	EA	150.00	150
	DUST PROOF STRIKE DP2	1	EA	35.00	35
	STOREROOM LOCK LV9080P 06A	1	EA	600.00	600
	COORDINATOR COR X FL	1	EA	200.00	200
	SURFACE CLOSER 1461 EDA	2	EA	300.00	600
	FLOOR STOP FS18S	2	EA	60.00	120
	DRIP CAP 17	1	EA	40.00	40
	SEALS 2525B	1	EA	60.00	60
	ASTRAGAL 139SP	1	EA	35.00	35
	DOOR SWEEP 200NA	2	EA	30.00	60
	THRESHOLD PER DETAIL	1	EA	100.00	100
	HARDWARE GROUP 13	2	EA		
	HINGE 5BB1 4.5 X 4.5	6	EA	60.00	360
	AUTO FLUSH BOLT FB31T	2	EA	200.00	400
	STOREROOM LOCK ND80PD RHO	2	EA	500.00	1,000
	OH STOP 100S ADJ	2	EA	350.00	700
	KICK PLATE 8400 10" X 1" LDW	2	EA	60.00	120
	SILENCER SR64-1	2	EA	40.00	80

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
 PREPARED BY: GK, SB, TC, AH
 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	HARDWARE GROUP 14	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	STOREROOM LOCK ND80PD RHO	1	EA	500.00	500
	SURFACE CLOSER 4040XP EDA	1	EA	350.00	350
	KICK PLATE 8400 10" X 2" LDW	1	EA	60.00	60
	WALL STOP WS407CCV	1	EA	20.00	20
	SEALS 2525B				-
	SUBTOTAL 4.1			63.92	319,738
4.2	ENCLOSURE, HORIZONTAL ROOFING				
	FIBERGLASS REINFORCED COMPOSITION ROOF SHINGLES; AS PER DRAWING A141, DRAWING SHEET NOTE 3	4,154	SF	12.00	49,848
	HALF ROUND GUTTER; AS PER DRAWING A141, DRAWING SHEET NOTE 4	158	LF	20.00	3,160
	DOWN SPOUTS; AS PER DRAWING A141, DRAWING SHEET NOTE 7	154	LF	17.00	2,618
	GSM FLAT SEAM SHEETING; AS PER DRAWING A141, DRAWING SHEET NOTE 8	90	SF	50.00	4,500
	GSM CRICKET; AS PER DRAWING A141, DRAWING SHEET NOTE 11	40	SF	20.00	800
	RIDGE VENT; AS PER DRAWING A141, DRAWING SHEET NOTE 10	44	LF	40.00	1,760
	VENT FOR PLYMOUTH SYSTEM, SMD. CONTINUOUS WELD TO CAP; AS PER DRAWING A141, DRAWING SHEET NOTE 2	1	EA	3,000.00	3,000
	GABLES; AS PER DRAWING A141, DRAWING SHEET NOTE 1	10	EA	300.00	3,000
	ROOF INSULATION	3,227	SF	3.00	9,681
	EXTERIOR WOOD SOFFIT	542	SF	35.00	18,970
	SUBTOTAL 4.2			19.46	97,337

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
5.1	INTERNALS, VERTICAL PARTITIONS				
	STUD SIZE 6"; SINGLE SIDE SHEAR WALL; AS PER DRAWING A-511, TYPE S1, S2	671	SF	5.00	3,353
	STUD SIZE 8"; SINGLE SIDE SHEAR WALL; AS PER DRAWING A-511, TYPE S4, S5, S6	104	SF	6.00	622
	STUD SIZE 6"; AS PER DRAWING A-511, TYPE B1, B2, B4	835	SF	5.00	4,176
	STUD SIZE 10"; AS PER DRAWING A-511, TYPE B3	232	SF	7.00	1,625
	STUD SIZE 4"; AS PER DRAWING A-511, TYPE A1, A2	2,043	SF	4.00	8,170
	FIRE PROOF WALL				
	STUD SIZE 6"; AS PER DRAWING A-511, TYPE B3	1,089	SF	5.00	5,446
	STUD SIZE 4"; AS PER DRAWING A-511, TYPE A3	120	SF	4.00	482
	STUD SIZE 6"; SINGLE SIDE SHEAR WALL; AS PER DRAWING A-511, TYPE S3	662	SF	5.00	3,311
	5/8" GYPSUM	16,342	SF	5.00	81,710
	PLYWOOD SHEAR PANEL WALL	2,544	SF	20.00	50,872
	ACOUSTIC INSULATION	2,347	SF	2.00	4,693
	INTERNAL WALL FINISHES				
	PAINT TO GYPSUM BOARD	15,872	SF	2.50	39,680
	CERAMIC WALL TILES	470	SF	25.00	11,750
	DOORS				
	WOOD DOORS				
	2'0"x7'0"; 1 3/4" THICKNESS, WOOD; INCLUDING HOLLOW METAL FRAME	1	EA	700.00	700
	3'0"x7'0"; 1 3/4" THICKNESS, WOOD, INCLUDING HOLLOW METAL FRAME	12	EA	900.00	10,800
	2'6"x7'0"; 1 3/4" THICKNESS, WOOD, INCLUDING HOLLOW METAL FRAME	1	EA	550.00	550
	6'0"x7'0"; 1 3/4" THICKNESS, WOOD, INCLUDING HOLLOW METAL FRAME	1	EA	1,800.00	1,800
	DOOR TYPE UNDISCLOSED; 3'0"x3'6"; 1" THICKNESS, WOOD, INCLUDING FRAME	1	EA	550.00	550

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	HARDWARE GROUP 5	1	EA		
	HW HINGE, 5BB1HW 4.5 X 4.5 NRP	3	EA	60.00	180
	CLASSROOM/STORE ROOM CO-100-MS-70-KP-RHO-PD	1	EA	500.00	500
	KICK PLATE 8400 10" X 2" LDW	1	EA	60.00	60
	FLOOR STOP FS18S	1	EA	60.00	60
	DRIP CAP 17	1	EA	40.00	40
	SEALS 2525B	1	EA	60.00	60
	DOOR SWEEP 200NA	1	EA	30.00	30
	HARDWARE GROUP 6	1	EA		
	SUPPLY PATIO LOCK ND30D RHO	1	EA	450.00	450
	HARDWARE GROUP 7	1	EA		
	HW HINGE 5BB1HW 4.5 X 4.5	3	EA	60.00	180
	PRIVACY W/DB & IND L9496P OCCUPIED/VACANT 06A	1	EA		-
	KICK PLATE 8400 10" X 2" LDW	1	EA	60.00	60
	FLOOR STOP FS436	1	EA	20.00	20
	SILENCER SR64-1	3	EA	40.00	120
	HARDWARE GROUP 8	1	EA		
	HINGE 5BB1 4.5 X 4.5	2	EA	60.00	120
	FLOOR STOP/HOLDER FS40	1	EA	70.00	70
	HARDWARE GROUP 9	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	STOREROOM LOCK ND80PD RHO	1	EA	500.00	500
	WALL STOP WS407CCV	1	EA	20.00	20
	SILENCER SR64-1	3	EA	40.00	120
	HARDWARE GROUP 10	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	PASSAGE SET ND10S RHO	1	EA	350.00	350
	KICK PLATE 8400 10" X 2" LDW	1	EA	60.00	60
	FLOOR STOP/HOLDER FS40	1	EA	70.00	70
	SILENCER SR64-1 GRY	3	EA	40.00	120

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	HARDWARE GROUP 11	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	STOREROOM LOCK ND80PD RHO	1	EA	500.00	500
	OH STOP 100S ADJ	1	EA	350.00	350
	SILENCER SR64-1	1	EA	40.00	40
	HARDWARE GROUP 12	3	EA		
	HW HINGE 5BB1HW 4.5 X 4.5	9	EA	60.00	540
	PUSH/PULL LATCH HL6 3 3/4" A	3	EA	400.00	1,200
	SURFACE CLOSER 4040XP	3	EA	350.00	1,050
	KICK PLATE 8400 10" X 2" LDW	3	EA	60.00	180
	WALL STOP WS407CCV	3	EA	20.00	60
	SEALS 2525B	3	EA	60.00	180
	HARDWARE GROUP 14	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	STOREROOM LOCK ND80PD RHO	1	EA	500.00	500
	SURFACE CLOSER 4040XP EDA	1	EA	350.00	350
	KICK PLATE 8400 10" X 2" LDW	11	EA	60.00	660
	WALL STOP WS407CCV	1	EA	20.00	20
	SEALS 2525B				-
	HARDWARE GROUP 15	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	STOREROOM LOCK ND80PD RHO	1	EA	500.00	500
	SURFACE CLOSER 1461 CUSH FC	1	EA	325.00	325
	KICK PLATE 8400 10" X 2" LDW	1	EA	60.00	60
	SEALS 2525B	1	EA	60.00	60
	HARDWARE GROUP 16	4	EA		
	HINGE 5BB1 4.5 X 4.5	12	EA	60.00	720
	PRIVACY LOCK ND40S RHO	4	EA	400.00	1,600
	FLOOR STOP FS436	4	EA	20.00	80
	SILENCER SR64-1	4	EA	40.00	160
	HARDWARE GROUP 17	2	EA		
	HW HINGE 5BB1HW 4.5 X 4.5	6	EA	60.00	360
	PRIVACY LOCK ND40S RHO	2	EA	400.00	800
	WALL STOP WS407CCV	2	EA	20.00	40
	SILENCER SR64-1	2	EA	40.00	80

PROJECT: MOFD STATION #43
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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	HARDWARE GROUP 18	1	EA		
	HINGE 5BB1 4.5 X 4.5	3	EA	60.00	180
	PASSAGE SET ND10S RHO	1	EA	350.00	350
	OH STOP 100S ADJ	1	EA	350.00	350
	SILENCER SR64-1	1	EA	40.00	40
	HARDWARE GROUP 19	1	EA		
	TRACK 9870	1	EA	550.00	550
	HARDWARE GROUP 20	3	EA		
	HINGE 5BB1 4.5 X 4.5	9	EA	60.00	540
	PASSAGE SET ND10S RHO	3	EA	350.00	1,050
	OH STOP 100S ADJ	3	EA	350.00	1,050
	SILENCER SR64-1	3	EA	40.00	120
	GLASS & METAL				
	2'6"x7'0"; 3/4" THICKNESS, METAL AND GLASS; INCLUDING HOLLOW METAL FRAME	1	EA	1,092.00	1,092
	6'0X6'8"; 1 3/4" THICKNESS, ALUMINUM GLASS; ALUMINUM FRAME	1	EA	2,448.00	2,448
	METAL DOOR				
	TYPE A; 3'0"x7'0"; 1 3/4" THICKNESS; HOLLOW METAL, INCLUDING HOLLOW METAL FRAME	5	EA	1,300.00	6,500
	TYPE A; 3'0"x4'6"; 1 3/4" THICKNESS; HOLLOW METAL, INCLUDING HOLLOW METAL FRAME	1	EA	900.00	900
	TYPE G BI FOLD DOOR; 6'0"x7'0"; 11/2" THICKNESS, WD STAINLESS STEEL, WD FRAME	1	EA	3,500.00	3,500
	ADD 45 MIN RATING PER LEAF	4	EA	200.00	800
	SUBTOTAL 5.1			52.83	264,265
5.2	INTERNALS, HORIZONTAL CEILING FINISHES				
	SUSPENDED GYPSUM	3,764	SF	7.00	26,348
	GYPSUM; 1HR FIRE RATED	605	SF	8.00	4,840
	WOOD CLAD CEILING	93	SF	25.00	2,325
	PAINT TO GYPSUM BOARD	4,369	SF	2.50	10,923

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	FLOOR FINISHES				
	CARPET TILE; TYPE CPT-1	371	SF	9.00	3,339
	LINOLEUM; TYPE L-1	1,136	SF	20.00	22,720
	CERAMIC TILE; CT-1	159	SF	25.00	3,975
	CONCRETE PAVERS TO BALCONY; AS PER DRAWING A-505	102	SF	20.00	2,040
	RESILIENT SHEET FLOORING; TYPE RR-1	361	SF	12.00	4,332
	SEAL CONCRETE; TYPE SC-1	2,057	SF	3.00	6,171
	SUBTOTAL 5.2			17.40	87,013
5.4	INTERIORS				
	WALL MOUNTED TURNOUT GEAR LOCKERS (20"X20"D; AS PER KEY NOTE 1, DRAWING A121	3	EA	1,500.00	4,500
	34"X60" STAINLESS STEEL WORK BENCH WITH ADJUSTABLE LEGS ; AS PER KEY NOTE 2, DRAWING A121	1	EA	2,000.00	2,000
	PLASTIC LAMINATE COUNTER TOP (2'1" WIDE); AS PER KEY NOTE 3, DRAWING A121	25	LF	125.00	3,125
	BUILT IN UPPER CABINET WITH PLASTIC LAMINATE EDGE (6' LF); AS PER KEY NOTE 4, DRAWING 1A21	1	EA	2,100.00	2,100
	GRAB BAR; 36"; ; AS PER KEY NOTE 5, DRAWING 1A21	1	EA	150.00	150
	GRAB BAR; 42"; AS PER KEY NOTE 6, DRAWING 1A21	1	EA	175.00	175
	TERRAZZO MOP RECEPTOR (36"X36"); AS PER KEY NOTE 7, DRAWING 1A21	1	EA	750.00	750
	BUILT IN CASE CABINET WITH PLASTIC LAMINATE (61/2" LENGTH); AS PER KEY NOTE 8, DRAWING 1A21	7	LF	200.00	1,400
	2-1/2 FIRE POLE" DIA STAINLESS FIRE POLE. LANDING MAT; AS PER KEY NOTE 9, DRAWING 1A21	1	EA	3,500.00	3,500
	TRENCH DRAIN; AS PER KEY NOTE 13, DRAWING 1A21	30	LF	150.00	4,500
	MAPLE COUNTER TOP; AS PER KEY NOTE 14, DRAWING 1A21	5	LF	250.00	1,250
	ELEVATOR PIT LADDER; AS PER KEY NOTE 15, DRAWING 1A21	1	EA	700.00	700

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ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	30"X30" INTAKE LOUVER (2.35SF FREE AREA); AS PER KEY NOTE 16, DRAWING 1A21	3	EA	300.00	900
	DESK GROMMET; COORDINATE WITH ELEC DRAWING; AS PER KEY NOTE 19, DRAWING 1A21	7	EA	100.00	700
	STAINLESS STEEL CORNER GUARD; AS PER NOTE KEY NOTE 20, DRAWING 1A21	4	EA	50.00	200
	ALARM PUSH BUTTON, COORDINATE FINAL LOCATION WITH MOFD, AS PER KEY NOTE 25 DRAWING 1A21	2	EA	800.00	1,600
	DOOR RELEASE PUSH BUTTON, COORDINATE FINAL LOCATION WITH MOFD, AS PER KEY NOTE 26 DRAWING 1A21	1	EA	800.00	800
	RECESSED FIRE EXTINGUISHER CABINET; AS PER KEY NOTE 27 DRAWING 1A21	2	EA	600.00	1,200
	ROLL OUT MAT IN THE ENTRY WAY AT LEAST 6'0" IN THE PRIMARY DIRECTION OF TRAVEL; AS PER KEY NOTE 28 DRAWING 1A21	1	EA	200.00	200
	STAINLESS STEEL REFRIGERATOR/ FREEZER WITH ICE MAKER AND WATER DISPENSER; AS PER KEY NOTE 1 DRAWING A122	2	EA	1,200.00	2,400
	STAINLESS STEEL DISHWASHER; AS PER KEY NOTE 2 DRAWING A122	1	EA	800.00	800
	GRANITE COUNTERTOPS (3'5" LENGTH) WITH 6" GRANITE BACKSPLASH COLOR, MID NIGHT GRAY; AS PER KEY NOTE 3 DRAWING A122	1	EA	1,225.00	1,225
	BUILT IN UPPER CABINETS (9'LF), (3'8" WIDE) WITH PLASTIC LAMINATE FINISH; AS PER KEY NOTE 4 DRAWING A122	1	EA	2,250.00	2,250
	BUILT IN UPPER CABINETS (7'LF), (2'1" WIDE) WITH PLASTIC LAMINATE FINISH; AS PER KEY NOTE 4 DRAWING A122	1	EA	1,750.00	1,750
	36" RESIDENTIAL GRADE GAS RANGE; AS PER KEY NOTES 5, DRAWING A122	1	EA	1,500.00	1,500
	4 PANTRY CABINETS (3 LOCKABLE) WITH PLASTIC LAMINATE FINISH; AS PER KEY NOTE 6, DRAWING A122	1	EA	2,200.00	2,200

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ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	WALL OPENING 6" ABOVE COUNTER AND FLUSH WITH CEILING; AS PER KEY NOTE 7, DRAWING A122	1	EA	300.00	300
	BUILT IN LOCKER WITH PLASTIC LAMINATE FINISH; AS PER NOTE 9, DRAWING A122	4	EA	500.00	2,000
	BUILT IN DESK WITH PLASTIC LAMINATE FINISH (2'2"X4'4"); AS PER NOTE 10, DRAWING A122	4	EA	500.00	2,000
	RECESSED SHELVING WITH SYNTHETIC STONE FINISH; AS PER NOTE 11, DRAWING A122	2	EA	300.00	600
	TERRAZZO SHOWER PAN (36"X48"); AS PER SHEET NOTE 12 , DRAWING A122	1	EA	750.00	750
	PARTIAL HEIGHT WALL WITH CLEAR FINISH MAPLE WOOD CAP; AS PER SHEET NOTE 13, DRAWING A122	75	SF	30.00	2,250
	FRONT LOADING WASHER AND DRYER; AS PER SHEET 14, DRAWING A122	1	EA	800.00	800
	ADJUSTABLE SHELVING WITH PLASTIC LAMINATE FINISH ON HEAVY DUTY STANDARDS; AS PER SHEET 15, DRAWING A122	1	EA	300.00	300
	ADA ADAPTABLE RECESSED TERRAZZO SHOWER PAN (63"X3"); AS PER SHEET NOTE 17, DRAWING A122	1	EA	750.00	750
	FRAMELESS TEMPERED GLASS SLIDING SHOWER DOORS WITH ALUMINUM RAILINGS, PROVIDE TOWEL BAR; AS PER SHEET NOTE 18, DRAWING A122	1	EA	700.00	700
	LINEN CABINET WITH PLASTIC LAMINATE FINISH; AS PER SHEET NOTE 19, DRAWING A122	1	EA	800.00	800
	1X8 CLEAR FINISH MAPLE CHAIR RAIL; AS PER SHEET NOTE 21, DRAWING A122	1	EA	400.00	400
	SUBTOTAL 5.4			10.70	53,525

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ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
6.0	SPECIALTIES				
	GENERAL BUILDING SPECIALTIES	5,002	SF	5.00	25,010
	SIGNAGE				
	ADA - INTERNATIONAL ACCESSIBILITY SIGN	1	EA	150.00	150
	ADA - EXIT SIGNAGE	1	EA	150.00	150
	ADA - UNISEX TOILET SIGN	1	EA	150.00	150
	ADA-DIRECTIONAL SIGNAGE	1	EA	150.00	150
	DOOR SIGNAGE "CAUTION FLOOR OPENING BEYOND'	1	EA	150.00	150
	SUBTOTAL 6.0			5.15	25,760
7.0	EQUIPMENT				
	AIR COMPRESSOR; AS PER KEY NOTE 12, DRAWING A121, S.P.D.				-
	SUBTOTAL 7.0				NONE
8.0	SPECIAL CONSTRUCTION				
	BALUSTRADE; AS PER A-121	51	LF	250.00	12,750
	SUBTOTAL 8.0			2.55	12,750
10.1	PLUMBING				
	CONDENSING WATER HEATER WITH EXPANSION TANK AND CIRCULATING PUMP	1	EA	8,500.00	8,500
	AIR COMPRESSOR WITH DRYER	1	LS	5,500.00	5,500
	FIXTURES				
	WATER CLOSET	3	EA	1,950.00	5,850
	LAVATORY	3	EA	1,875.00	5,625
	KITCHEN SINK, DOUBLE BOWL	1	EA	2,475.00	2,475
	JANITOR SINK	1	EA	2,120.00	2,120
	SSK-1	1	EA	1,950.00	1,950
	DECONTAMINATION FIXTURE	1	EA	6,500.00	6,500

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ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	SHOWERS	2	EA	575.00	1,150
	FLOOR DRAINS WITH TRAP PRIMER AND ROUGH, ALLOW	2	EA	615.00	1,230
	FLOOR SINKS WITH TRAP PRIMER AND ROUGH	1	EA	1,975.00	1,975
	TRENCH DRAIN	60	LF	275.00	16,500
	PIPING				
	FIXTURE ROUGH INS & LOCAL PIPING	12	EA	750.00	9,000
	MISC. KITCHEN/LAUNDRY PLUMBING CONNECTIONS INC BRANCH PIPE	1	LS	3,000.00	3,000
	DECK DRAIN	2	EA	475.00	950
	STORM DRAIN PIPING, TO 4"	40	LF	45.00	1,800
	WASTE/VENT PIPING, TO 4"	405	LF	35.00	14,175
	VENT THROUGH ROOF	3	EA	275.00	825
	HOSE BIBBS CW/HW WITH BACKFLOW PREVENTERS	2	EA	425.00	850
	BUILDING GAS PIPING, TO 1 1/2"	145	LF	70.00	10,150
	2"	90	LF	125.00	11,250
	GAS ACCESSORIES FOR KITCHEN, FAU'S, WATER HEATER, ROOF BBQ	1	LS	3,500.00	3,500
	DOMESTIC WATER SYSTEM, TO 1 1/4"	445	LF	18.00	8,010
	1 1/2"	60	LF	24.00	1,440
	INSULATE HOT WATER SYSTEMS	250	LF	6.00	1,500
	COMPRSED AIR PIPING 1/2"	110	LF	32.00	3,520
	CLEAN, STERILIZE AND TEST	12	EA	175.00	2,100
	SUBTOTAL 10.1			26.28	131,445
10.15	FIRE PROTECTION SYSTEMS				
	FIRE SPRINKLER SYSTEMS	5,002	SF	6.90	34,514
	SUBTOTAL 10.15			6.90	34,514

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ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
10.2	HVAC				
	EQUIPMENT				
	UNIT HEATER, 75 MBH, GAS	2	EA	1,975.00	3,950
	CEILING SUPPORTS, ALLOW	1	LS	1,250.00	1,250
	FURNACE UNIT, 60 MBH	1	EA	2,400.00	2,400
	40 MBH	1	EA	2,175.00	2,175
	AIR COOLED CONDENSING UNIT, 4 TON	1	EA	4,100.00	4,100
	2 TON	1	EA	3,500.00	3,500
	SPLIT SYSTEM, TO 635 CFM	2	EA	3,750.00	7,500
	EF-1, 2800 CFM	1	EA	3,850.00	3,850
	EF-2 THRU EF-10 TO 300 CFM	9	EA	775.00	6,975
	DUCTWORK AND PIPING				
	DRYER EXHAUST	1	EA	225.00	225
	DUCT WORK	2,490	LBS	16.00	39,840
	DUCT INSULATION	1,445	SF	3.50	5,058
	AIR OUTLETS	24	EA	250.00	6,000
	5" FLUE	70	LF	30.00	2,100
	EXHAUST WALL CAPS	5	EA	175.00	875
	ROOF CAPS	8	EA	225.00	1,800
	12X12 LOUVERS	2	EA	900.00	1,800
	CONNECT TO ARCH LOUVERS, PLENUM	1	EA	2,000.00	2,000
	HVAC REFRIGERANT PIPING	400	LF	28.00	11,200
	HVAC RELATED ITEMS				
	CONTROLS, EMS	2,500	SF	6.00	15,000
	PERMITS, TESTING	1	LS	3,500.00	3,500
	BALANCE AIR/HYDRONICS	40	HRS	110.00	4,400
	WARRANT EQUIPMENT	1	LS	1,500.00	1,500
SUBTOTAL 10.2				130,998	
11.0	ELECTRICAL				
	DISTRIBUTION				
	MAIN SWITCHBOARD, 400A, 120/208V	1	EA	11,780.00	11,780
	SWITCHBOARD CONCRETE PAD	1	EA	2,500.00	2,500
	6X6X6 JUNCTION BOX, 2" CONDUIT	1	EA	805.00	805
	AUTOMATIC TRANSFER SWITCH ATS-1, 100A	1	EA	3,835.00	3,835
AUTOMATIC TRANSFER SWITCH ATS-2, 400A	1	EA	9,230.00	9,230	

PROJECT: MOFD STATION #43
 LOCATION: ORINDA, CA
 CLIENT: SHAW KAWASAKI ARCHITECTS
 DESCRIPTION: FIREHOUSE # 43

LSA JOB NO: 16-007D
 PREPARED BY: GK, SB, TC, AH
 CHECKED BY: BSS
 ESTIMATE DATE: 2/22/2016
 GSF: 5,002

CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	PANEL LA, 400A, 120/208V, MLO	1	EA	6,268.00	6,268
	PANEL LA1, 225A, 120/208V, MLO	1	EA	4,899.00	4,899
	PANEL LA2, 125A, 120/208V, MLO	1	EA	3,100.00	3,100
	PANEL LA3, 125A, 120/208V, MLO	1	EA	3,030.00	3,030
	3", 4#350, 2G	10	LF	174.60	1,746
	2-1/2", 4#3/0, 4G	5	LF	87.60	438
	1-1/2", 4#2, 6G	60	LF	42.46	2,548
	GROUNDING	1	LS	4,500.00	4,500
	EQUIPMENT CONNECTIONS				
	CONNECT ELEVATOR	1	EA	149.00	149
	CONNECT AIR COMPRESSOR	1	EA	129.00	129
	INSTALL, CONNECT COMPRESSOR CONTROL PANEL	1	EA	197.00	197
	CONNECT FAN COIL	1	EA	105.00	105
	CONNECT CONDENSING UNITS	2	EA	129.00	258
	CONNECT EXHAUST FANS	10	EA	105.00	1,050
	CONNECT FURNACES	2	EA	105.00	210
	CONNECT HEAT PUMP	2	EA	105.00	210
	CONNECT PUMP P-1	1	EA	105.00	105
	CONNECT AC UNITS	1	EA	105.00	105
	CONNECT UNIT HEATERS	2	EA	105.00	210
	CONNECT WATER HEATER	1	EA	105.00	105
	CONNECT VEHICLE EXHAUST SYSTEM	1	EA	105.00	105
	CONNECT GARAGE DOOR CONTROL PANELS	4	EA	98.00	392
	CONNECT ROLL UP DOORS	4	EA	105.00	420
	ROLL UP DOOR PUSHBUTTON STATIONS	4	EA	188.00	752
	GAS SOLENOID CONTROL PANELS	2	EA	1,545.00	3,090
	MOMENTARY CONTACT PUSHBUTTON STATIONS FOR SOLENOID VALVE RESET	2	EA	160.00	320
	GAS SOLENOID VALVES	2	EA	367.00	734
	CONNECT RANGE HOOD	1	EA	105.00	105
	DISCONNECT SWITCHES, 30A	9	EA	276.00	2,484
	DISCONNECT SWITCHES, 30A, NEMA 3R	4	EA	386.00	1,544
	DISCONNECT SWITCHES, 60A	1	EA	569.00	569
	DISCONNECT SWITCHES, 100A	1	EA	849.00	849
	MANUAL STARTERS	15	EA	275.00	4,125
	DEDICATED GFI BREAKER FOR ELEVATOR CAR LIGHTS	1	EA	850.00	850

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	FLOAT SWITCH FOR HIGH LEVEL WATER ALARM	1	EA	117.00	117
	HIGH LIQUID LEVEL ALARM PANEL IN N4X ENCLOSURE	1	EA	674.00	674
	1/2", 4#14	400	LF	6.88	2,752
	3/4", 3#12, 12G	1,030	LF	11.02	11,351
	3/4", 2#10	160	LF	10.08	1,613
	3/4", 3#10, 10G	100	LF	12.06	1,206
	1", 2#8, 2#12	80	LF	12.80	1,024
	1-1/4", 3#2, 8G	50	LF	27.36	1,368
	TIMER SWITCH FOR SOLENOID VALVE	1	EA	280.00	280
	3/4" CONDUIT, CABLE TO SOLENOID VALVE	80	LF	9.46	757
	JUNCTION BOX, 1" C.O.	1	EA	335.00	335
	USER CONVENIENCE POWER				
	DUPLEX RECEPTACLES	41	EA	61.00	2,501
	DUPLEX RECEPTACLES, CEILING MOUNTED	2	EA	84.00	168
	GFI RECEPTACLES	22	EA	65.00	1,430
	FOURPLEX RECEPTACLES	17	EA	92.00	1,564
	WP RECEPTACLES	2	EA	103.00	206
	CONDUIT, WIRE	2,290	LF	9.72	22,259
	LIGHTING AND CONTROLS				
	FIXTURE TYPE A1, 8FT LED, SUSPENDED	4	EA	735.00	2,940
	FIXTURE TYPE A2, 4FT BRACKET MOUNTED LED	2	EA	510.00	1,020
	FIXTURE TYPE A3, 8FT BRACKET MOUNTED LED	6	EA	735.00	4,410
	FIXTURE TYPE B1, 4FT SURFACE MOUNTED LED	12	EA	490.00	5,880
	FIXTURE TYPE B2, 4FT LED WRAP	2	EA	370.00	740
	FIXTURE TYPE B3, 2FT LED WRAP	1	EA	340.00	340
	FIXTURE TYPE B4, 4FT LED WRAP	1	EA	590.00	590
	FIXTURE TYPE E, SURFACE MOUNTED LED, ROUND	16	EA	211.00	3,376
	FIXTURE TYPE F1, RECESSED LED DOWNLIGHT	6	EA	390.00	2,340
	FIXTURE TYPE F2, RECESSED LED WALL WASHER	3	EA	535.00	1,605
	FIXTURE TYPE F3, FLUORESCENT DOWNLIGHT	6	EA	425.00	2,550
	FIXTURE TYPE F4, RECESSED LED DOWNLIGHT, WET LABEL	3	EA	530.00	1,590

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	FIXTURE TYPE G, UNDERCABINET LED, 21"	5	EA	148.00	740
	FIXTURE TYPE H1, 4FT LINEAR LED	3	EA	665.00	1,995
	FIXTURE TYPE H2, 2FT LINEAR LED	1	EA	340.00	340
	FIXTURE TYPE H3, SAME AS H1	2	EA	665.00	1,330
	FIXTURE TYPE I, LED SCONCE	4	EA	700.00	2,800
	FIXTURE TYPE K, WALL MOUNTED LED,	3	EA	340.00	1,020
	FIXTURE TYPE L, WALL MOUNTED LED WITH GUARD, RED DIFFUSER	2	EA	360.00	720
	FIXTURE TYPE M, EXIT LIGHT	8	EA	222.00	1,776
	FIXTURE TYPE Q, ROTATING BEACON	3	EA	532.00	1,596
	FIXTURE TYPE S, LED CHANDELIER	1	EA	995.00	995
	FIXTURE TYPE T	1	EA	330.00	330
	FIXTURE TYPE T1, LED WITH ADJUSTABLE ARM	3	EA	330.00	990
	FIXTURE TYPE T2, LED READING LIGHT	4	EA	330.00	1,320
	UNISTRUT MOUNTING BRACKETS	6	EA	150.00	900
	ELEVATOR PIT LIGHTS	1	EA	200.00	200
	STRIP LIGHT WITH WIRE GUARD	1	EA	200.00	200
	LIGHTING CONDUIT, WIRE	1,730	LF	10.00	17,300
	SWITCHES	23	EA	61.00	1,403
	LOW VOLTAGE SWITCHES	9	EA	93.00	837
	SWITCHES, 3 WAY	10	EA	85.00	850
	DIMMER	3	EA	182.00	546
	OCCUPANCY SENSORS	23	EA	295.00	6,785
	PHOTOSENSORS	3	EA	370.00	1,110
	POWER PACKS	24	EA	132.00	3,168
	RELAY PANELS	1	EA	2,870.00	2,870
	MISC. ELECTRICAL				
	TESTING	1	LS	3,820.00	3,820
	SEISMIC	1	LS	2,040.00	2,040
	SUBTOTAL 11.0			41.75	208,817
11.2	SPECIAL ELECTRICAL				
	FIRE ALARM				
	COMBINATION SMOKE DETECTOR/CO SENSOR, 120V	5	EA	189.00	945
	STROBES	7	EA	189.00	1,323
	HORN/STROBES	5	EA	202.00	1,010

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CONSTRUCTION DOCUMENTS ESTIMATE

ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	PULL STATIONS	5	EA	239.00	1,195
	WP HORNS	1	EA	220.00	220
	MONITOR MODULES	3	EA	270.00	810
	CONNECTIONS TO SPRINKLER SYSTEM	2	EA	105.00	210
	SMOKE DETECTORS	2	EA	233.00	466
	HEAT DETECTOR	1	EA	230.00	230
	FACP	1	EA	5,700.00	5,700
	CONDUIT, CABLE	870	LF	10.50	9,135
	SYSTEM TESTING	1	LS	900.00	900
	TELEPHONE/DATA				
	OUTLET BOXES, CONDUIT TO ACCESSIBLE CEILING SPACE	18	EA	159.00	2,862
	JACKS	49	EA	22.78	1,116
	HORIZONTAL CABLE, CAT 6	5,880	LF	1.38	8,114
	CABLE TAGGING, TESTING	1	LS	600.00	600
	J- HOOKS	35	EA	26.00	910
	(2) 3" CONDUITS FROM ATTIC SPACE TO TEL ROOM	50	LF	64.64	3,232
	MDF RACK	1	EA	2,500.00	2,500
	50 PAIR TELEPHONE CABLE	50	LF	5.06	253
	INSTALL ANTENNA FURNISHED BY DISTRICT	1	EA	275.00	275
	RSC WEATHERHEADS	2	EA	184.00	368
	(2) 2" CONDUITS TO DISPATCH	50	LF	37.22	1,861
	INSTALL COAX CABLES FURNISHED BY DISTRICT	1	LS	250.00	250
	PLYWOOD BACKBOARDS	1	LS	1,050.00	1,050
	MISC. COMMUNICATIONS				
	ROUGH-IN FOR EMITTER/RECEIVER	1	LS	1,385.00	1,385
	SPEAKERS	18	EA	226.00	4,068
	WP SPEAKERS	1	EA	175.00	175
	CHIMES	18	EA	226.00	4,068
	WP CHIMES	1	EA	175.00	175
	RADIO/ALARM BOARD POWER SUPPLY	1	EA	410.00	410
	INSTALL AMPIIFIER (FBO)	1	EA	140.00	140
	INSTALL MULTI TONE GENERATOR (FBO)	1	EA	140.00	140

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ITEM #	DESCRIPTION	QUANTITY	UNIT	COST	TOTAL
	CONDUIT, CABLE TO RADIO ADDRESS SYSTEM EQUIPMENT	760	LF	9.60	7,296
	DOLBY SYSTEM SPEAKER JACKS	6	EA	105.00	630
	CONDUIT, CABLE TO DOLBY SYSTEM JACKS	120	LF	10.00	1,200
	DOLBY EQUIPMENT, EXCLUDED				-
	TV OUTLET BOXES, CONDUIT TO ACCESSIBLE CEILING SPACE	7	EA	138.00	966
	JUNCTION BOXES, 1-1/4" CONDUIT FOR TV HDMI CABLE	2	EA	243.00	486
	TV JACKS	7	EA	25.00	175
	COAX CABLE	840	LF	1.23	1,033
	12X12X4 PULLBOXES	1	EA	176.00	176
	SECURITY SYSTEMS				
	CONTROL PANEL	1	EA	4,400.00	4,400
	OUTLET BOXES, CONDUIT FOR FUTURE CARD READERS	4	EA	396.00	1,584
	KEY FOBS	15	EA	30.00	450
	ISO CARDS, 10 PACKS	2	EA	69.00	138
	SUPPLY, INSTALL CARD READERS	3	EA	497.00	1,491
	SUPPLY, INSTALL ENROLLMENT READER	1	EA	620.00	620
	BOXES, CONDUIT FOR FUTURE SECURITY CAMERAS	3	EA	396.00	1,188
	SUPPLY, INSTALL SECURITY CAMERAS	3	EA	1,650.00	4,950
	ALARM PUSHBUTTONS	1	EA	125.00	125
	DOOR RELEASE PUSHBUTTON	1	EA	125.00	125
	DOOR BELL PUSHBUTTON	1	EA	125.00	125
	SUBTOTAL 11.2			16.64	83,255