Meeting Date: **7/19/2016**

Report Type: Consent

Report ID: 2016-00691

City of SACRAMENTO 18

City Council Report
915 I Street, 1st Floor
www.CityofSacramento.org

Title: Award Contract: El Camino Avenue and Clay Street Traffic Signal Project (T15165200)

Location: District 2

Recommendation: Pass a Motion: 1) approving the Plans and Specifications for the El Camino Avenue and Clay Street Traffic Signal Project (T15165200); 2) awarding the construction contract to M & M Electric for an amount not to exceed $287,107; and 3) authorizing the City Manager to execute a contract with M & M Electric in an amount not to exceed $287,107 for the El Camino Avenue and Clay Street Traffic Signal Project (T15165200).

Contact: Adam Randolph, Senior Engineer, (916) 808-7803; Nicholas Theocharides, Engineering Services Manager, (916) 808-5065, Department of Public Works

Presenter: None

Department: Public Works Department
Division: Engineering Services Admin
Dept ID: 15001111
Attachments:
1-Description/Analysis
2-Contract

City Attorney Review

Approved as to Form
Gerald Hicks
7/5/2016 10:34:22 AM

Approvals/Acknowledgements

Department Director or Designee: Jerry Way - 6/29/2016 3:27:47 PM

Description/Analysis

Issue: The El Camino Avenue and Clay Street Traffic Signal Project (T15165200) was advertised and bids were received on June 8, 2016. M & M Electric is the lowest responsive and responsible bidder. City Council approval is necessary to move forward with awarding the construction contract.

The intersection of El Camino Avenue and Clay Street is located in the North Sacramento Community Plan Area. Improvements to the intersection were originally part of the larger Northwood School Access Improvements Project. Due to the insufficient funding that has delayed the larger Northwood School Access Improvements project, community members have requested that these intersection improvements move forward as a stand-alone traffic signal project. Improvements include a new traffic signal and pedestrian refuge areas on unimproved corners of the intersection.

Policy Considerations: The action requested herein is consistent with City Code Title 3 and the City's General Plan goals to improve and diversify the transportation system, enhance and preserve the neighborhoods, and improve safety.

Economic Impacts: This new infrastructure is expected to create 0.75 total jobs (0.43 direct jobs and 0.32 jobs through indirect and induced actives) and create $115,526.41 in total economic output ($72,817.18 of direct output and another $42,709.23 of output through indirect and induced activities).

The indicated economic impacts are estimates calculated using a calculation tool developed by the Center for Strategic Economic Research (CSER). CSER utilized the IMPLAN input-output model (2009 coefficients) to quantify the economic impacts of a hypothetical $1 million of spending in various construction categories within the City of Sacramento in an average one-year period. Actual impacts could differ significantly from the estimates and neither the City of Sacramento nor CSER shall be held responsible for consequences resulting from such differences.

Environmental Considerations:

California Environmental Quality Act (CEQA/NEPA): It has been determined that the El Camino Avenue and Clay Street Traffic Signal Project meets the criteria for a Categorical Exemption pursuant to the California Environmental Quality Act (CEQA) and Categorical Exclusion pursuant to the National Environmental Policy Act (NEPA). There is no substantial evidence that the project will have a significant effect on the environment.

Sustainability Considerations: The El Camino Avenue and Clay Street Traffic Signal Project is consistent with the City's Sustainability Master Plan goals of enhancing the pedestrian facilities in the public right-of-way, reducing dependence on the private automobile, and encouraging pedestrian trips.

Commission/Committee Action: None

Rationale for Recommendation: The project was advertised and bids were received on June 8, 2016. The bids are summarized below:

Contractor	Bid Amount	M/WBE (GFE) (Y/N)
St. Francis Electric	$275,275.00	N
M & M Electric	$287,107.00	Y

The Engineer's Estimate was $237,000. St. Francis Electric failed to meet the Minority/Women Owned Business Enterprise (M/WBE) Good Faith Effort requirement set forth in the bid package and has been deemed unresponsive. It is recommended that the construction contract be awarded to the lowest responsive and responsible bidder, M & M Electric.

Financial Considerations: The estimated cost of the El Camino Avenue and Clay Street Traffic Signal Project (T15165200) is $517,005. To date, $46,750 has been expended and staff anticipates an additional $470,255 will be needed to complete the project. As of June 16, 2016, the unobligated balance is $470,255, which is sufficient to execute the construction contract with M & M Electric, pay for signal equipment and poles, and cover construction management costs.

This project is included in the Community Development Block Grant (CBDG) Action Plan, added through a separate City Council action on May 3, 2016. There are no General Funds planned or allocated for this project.

Local Business Enterprise (LBE): This project has state and federal CDBG funding, therefore the City's LBE requirement is held in abeyance. The use of CDBG funds requires that the contractor make a good faith effort to recruit sub-contractors who are Minority/Women Owned Business Enterprises (M/WBE). St. Francis Electric failed to meet the obligatory requirements of the M/WBE Good Faith Effort. M & M Electric met

the requirements for the M/WBE Good Faith Effort.

City of
SACRAMENTO
Department of Public Works

Engineering Services Division
915 I Street, RM 2000
Sacramento, CA 95814
Phone: 916-808-8300
Fax: 916-808-8281

CONTRACT SPECIFICATIONS

For

El Camino Avenue & Clay Street Traffic Signal Project (PN: T15165200)

Bid # B16151131037

For Pre-Bid Information Contact:
Adam Randolph, Project Manager
arandolph@cityofsacramento.org

Bids to be received before 2:00 P.M. June 8, 2016 at:
City Clerk's Public Counter
New City Hall
915 I Street, 5th Floor
Sacramento, CA 95814

Pre-bid Meeting:
New City Hall, Conference Room Ch1119 (ground floor)
916 I Street, Sacramento CA 95814
Tuesday, May 24, 2016 at 10:00AM

CDBG Funded project
Please see M/WBE GFE requirements contained in this bid package.

Estimated Construction Cost: **$236,731.00** Construction Time: **40 Working Days**

M & M Electric COST BREAKDOWN

Project: **El Camino Ave. & Clay St. Traffic Signal**
Bid Item No.: **22**
Description: **Traffic Signal Installation**

Description	Quantity	Unit Price	Per		Extended Price
#14 Wire	10000	$ 0.35	LF		$ 3,500.00
#10 Wire	1800	$ 0.45	LF		$ 810.00
#6 Wire	670	$ 0.90	LF		$ 603.00
#2 Wire	800	$ 2.00	LF		$ 1,600.00
DLC	1600	$ 0.45	LF		$ 720.00
EV Wire	160	$ 0.75	LF		$ 120.00
VDS Wire	1000	$ 3.00	LF		$ 3,000.00
CCTV Wire	160	$ 3.00	LF		$ 480.00
3" PVC	1500	$ 3.00	LF		$ 4,500.00
2" PVC	1450	$ 2.00	LF		$ 2,900.00
#6 PB	10	$ 1,000.00	EA		$ 10,000.00
#5 PB	3	$ 600.00	EA		$ 1,800.00
N44E PB	1	$ 1,066.00	EA		$ 1,066.00
Detector Handhole	2	$ 300.00	EA		$ 600.00
Trench/Bore to install conduit	2500	$ 35.00	LF		$ 87,500.00
CIDH Foundation- 27-4-100	2	$ 2,500.00	EA		$ 5,000.00
CIDH Foundation- 19-4-100	1	$ 1,500.00	EA		$ 1,500.00
CIDH Foundation- 16-3-100	1	$ 1,200.00	EA		$ 1,200.00
Controller Foundation	1	$ 800.00	EA		$ 800.00
Service Foundation	1	$ 600.00	EA		$ 600.00
F&I Type 1B w/ Foundation	4	$ 600.00	EA		$ 2,400.00
F&I PPB Post w/ Foundation	3	$ 400.00	EA		$ 1,200.00
Install City-Furnished traffic signal poles	4	$ 1,500.00	EA		$ 6,000.00
F&I Display Equipment	1	$ 35,000.00	LS		$ 35,000.00
F&I CCTV	1	$ 6,800.00	EA		$ 6,800.00
F&I GPS EV System	1	$ 12,000.00	EA		$ 12,000.00
Install City Furnished Controller Cabinet	1	$ 3,000.00	EA		$ 3,000.00
F&I Service Pedestal	1	$ 4,000.00	EA		$ 4,000.00
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
			Total Cost:		$ 198,699.00

Public Works Contractor (PWC) Registration Search

This is a listing of current and active PWC registrations pursuant to Division 2, Part 7, Chapter 1 (commencing with section 1720 of the California Labor Code.)

Enter at least one search criteria to display active registered public works contractor(s) matching your selections.

Registration Year: Current Fiscal Year: 2015/16

PWC Registration Number: example: 1234567890

Contractor Legal Name: example: ABC COMPANY Contractor License Lookup

License Number: 260864

County: Select County

Search

Search Results
One registered contractor found. **1**

Details	Legal Name
View	MAY-HAN ELECTRIC, INC.

1000001123 Contractor Details

Contractor Information | Legal Entity Information | Workers' Compensation

Legal Name
MAY-HAN ELECTRIC, INC.

Legal Entity Typ
CORPORATION

Trade Name
M&M ELECTRIC

License Number(s)
CSLB :260864

Mailing Address
1600 AUBURN BLVD
SACRAMENTO, CA 95815

Physical Address
1600 AUBURN BLVD
SACRAMENTO, CA 95815

Email Address
GMMCONNIE@SACMMELECTRIC.COM

Copyright ©

DLSE Debarments

The following contractors are currently barred from bidding on, accepting, or performing any public works contracts, either as a contractor or subcontractor, for the period set forth below:

As part of your due diligence, we suggest that you also check:

- Contractor status at the Contractors State License Board (CSLB)
- The Federal debarment list at the Excluded Parties List System

For a list of past DLSE debarments of public works contractors, please contact:

Susan Nakagama
Special Assistant to the Labor Commissioner
1515 Clay Street
Suite 401
Oakland, CA 94612
SNakagama@dir.ca.gov

Name of contractor	Period of debarment
Fast Demolition, Inc. 601-C East Palomar Street #123 Chula Vista, CA 91911 CSLB Number: #792729 **Rogelio Medina Vazquez.**, an individual and in his capacity as Responsible Managing Officer of **FAST DEMOLITION, INC.**	**4/1/44 through 3/31/47** Decision LB5742 **4/1/41 through 3/31/44** Decision LB5665 **4/1/36 through 3/31/39** Decision LB5740 **4/1/33 through 3/31/37** Decision LB5651 **4/1/33 through 3/31/37** Decision LB5739 **4/1/24 through 3/31/27** Decision LB5741 **4/1/30 through 3/31/33** Decision LB5743 **4/1/27 through 3/31/30** Decision LB5666 **4/1/21 through 3/31/24** Decision LB5667 **4/1/18 through 3/31/21** Decision LB5668 **4/01/15 through 3/31/18** Decision LB5345
Amerivet Plumbing, Inc.; Walter Edward Jacob Kuhlmann III, Individually And dba Amerivet Plumbing Services CSLB Number: #969048 and #919761	**8/6/15 through 8/5/18** Decision
Ultimate Inc., And, Enrique Vera, an Individual PO Box 571117 Tarzana, CA 91356-1117 CSLB Number: #949229	**12/1/15 through 11/30/18** Decision

Travioli Construction, Inc. PO Box 231 Visalia, CA 93274 CSLB Number: #936832	**9/11/15 through 3/10/17** Decision
Integrity Sheet Metal, Inc. 319 McArthur Way Upland, CA 91786 CSLB #726770 **William Ben Hicks**, an individual; **Margaret Mary Hicks**, an individual	**2/01/15 through 1/31/18** Decision
L A Builders, Inc., a California Corporation 15635 Saticoy Street, #H Van Nuys, CA 91406 CSLB #748591 **Alon Gamliel**, an individual	**2/01/15 through 1/31/18** Decision
USA Wall Systems, Inc. 8309 Sunshine Lane Riverside, CA 92508 CSLB #929610 **Edward Eugene Brammer**, an individual and in his capacity as President/CEO/RMO	**4/01/15 through 3/31/18** Decision
Daughter Construction **formerly dba Hy Carpentry Construction** 15407 Thornlake Avenue Norwalk, CA 90650 CSLB #979297 **Sharon Jin Yoo**, an individual; **Dae Hyun Yoo**, an individual and in his capacity as manager/supervisor for Sharon Jin Yoo and in his capacity as General Partner for HY Construction, a General Partnership.	**4/01/15 through 3/31/18** Decision
RDA Construction, Inc. 1692 W. Bullard Ave., Fresno, CA 93711 CSLB# 383306	**12/15/14 through 12/14/16** Decision
Titan Electrical Construction, Inc. Lucas Oliver Stickney, an individual Jamie Noel Furr, an individual 630 Natoma Street San Francisco, CA 94103 CSLB# 919516	**11/3/14 through 11/2/17** Decision
Ramos Painting Carlos Ray Ramos, an individual P.O. Box 3871 Paso Robles, CA 93447 CSLB# 753575	**11/3/14 through 11/2/15** Decision
Dick Emard Electric. dba Emard Electric Luke Richard Emard, an individual and RMO 5930 Key Court, Suite A Loomis, CA 95650 CSLB# 794007	**11/3/14 thorough 11/2/17** Decision
Nixon Electric Gordon Fulton Nixon, an individual 5624 Faust Ave.	**8/1/14 through 7/31/17** Decision

Woodland Hills, CA 91367 CSLB# 796802	
Neris General Contractors, a California Corporation Efren Neri, an individual Servando Neri, an individual Rebeca Neri, an individual Luis Abelardo Castro, an individual 6087 California Ave. Long Beach, CA 90805 CSLB# 797967	**2/28/14 through 2/27/17** Decision
Southland Construction Reza Mohammedi, an individual 3943 Irvine Blvd., #405, Irvine, CA 92602 CSLB# 663784 (expired)	**10/14/14 through 10/13/17** Decision
National Drywall Corporation, **A Dissolved California Corporation** 603 S. Milliken Avenue, Suite F Ontario, CA 91761 CSLB #834335 **Miguel Contreras, an Individual and** **Responsible Managing Officer/CEO/President** **Dora Maria Contreras, an Individual and** **Agent/Officer of the Corporation**	**8/4/14 through 8/3/17** Decision
Tadros & Youssef Construction, Inc. **Kamel Shaker Tadros & Makram Youssef Youssef, Individually** 1221 E 8th Street, Unit A, Upland, CA 91786 CSLB# 698182 (expired)	**5/10/14 through 5/9/17** Decision
Serenity Fire Protection 417 S. Associated Road, Brea, CA 92821 CSLB# 902927	**5/1/14 through 4/30/17** Decision
Don Kelly Construction , Inc. **Don Kelly, Individual and Lisa Kelly, Individual** 171 Northview Ridge Lane, P.O. Box 10760, Bozeman, MT 59719	**3/25/14 through 3/24/17** Decision
Aldan, Inc. P.O. Box 9428, Brea, CA 92822 CSLB #949229	**2/28/14 through 2/27/17** Decision
Russell/Thompson, Inc. **James Jean Russell & Valery Alena Thompson, Individually** 4684 Oak Glen Dr., Redding, CA 96001 CSLB# 915036 (revoked)	**10/31/13 through 10/31/16** Decision
Ayodejia A. Ogundare, Individual **Dba Pacific Engineering Company** 6310 Stewart Way, Bakersfield, CA 93308 CLSB#710322	**5/15/2013 through 5/15/2014** Decision
Wallcrete Industries, Inc.; Garit David **Wallace and Amber Anderson, Individuals** 400 Kansas, Redlands, CA 92373 CSLB#834220	**7/29/12 through 7/28/15** Decision
FEI Enterprises, Inc **Gabriel Fedida, Individual**	**6/14/12 through 6/13/15** Decision

5749 Venice Blvd., Los Angeles, CA 90019 CSLB#659252	
Jeffrey Alan Mott and Michelle Mott, individuals **Dda Integrity Landscape** 3756 Independence Avenue Sanger, CA 93637 CSLB#774222	**3/29/12 through 3/28/15** Decision
Jensen Drywall & Stucco **Jeffrey E. Jensen** 3714 Lynda Place National City, CA 91950-8121 CSB # 664168 Exp. 2/18/11 (expired)	**3/31/11 through 3/30/13** Decision
All West Construction, Inc. **Donald Kent Russell** 495 N. Marks Ave. Fresno, CA 93706 CSB # 592321 Exp. 4/3/12 (suspended)	**3/31/11 through 3/30/13** Decision
Country Builders, Inc. **Weldon Offill, individually** 5915 Graham Ct. Livermore, CA 94550 CSB # 699574 Exp. 11/30/12 (active)	**3/1/11 through 2/28/14** Decision Addendum
Sutter Foam & Coating, Inc. 909 A. George Washington Yuba City, CA 95993 CSB # 732014 Exp. 1/31/09 (inactive) **David Alvin Trexler, an individual** 909 A. George Washington Yuba City, CA 95993 **Kenneth A. Trexler, an individual** 2603 Lago Lane Marysville, CA 95901	**7/1/10 through 6/30/13** Decision
Soo Dong Kim, an individual, **dba Soo Kim Electric Company** 16224 Ridgeview Lane La Mirada, CA 90638 CSB # 568103 Exp. 8/1/09 (inactive) **Hyo Nam Jung, an individual,** **dba Lucid Electric** 18621 Well Street Rowland Heights, CA 91748 CSB # 914692 Exp. 4/3/10	**4/19/10 through 4/18/13** Decision
Southwest Grading, **dba Southwest Grading Services, Inc.,** 22031 Waite Street Wildomar, CA 92595 **David Walter Cholewinski, an individual** 22031 Waite Street Wildomar, A 92595 29970 Technology Drive, Ste. 205 Murrieta, CA 92563 CSB #840416 Exp. 6/30/10	**3/18/10 through 3/17/13** Decision
S.J. Cimino Electric, Inc., a California corporation, 3267 Dutton Ave. Santa Rosa, CA 95404 **Salvatore Joseph Cimino, RMO, CEO and President of S.J. Cimino Electric, Inc. and sole owner of S.J. Cimino Electric, an individual** 5825 Heights Rd. Santa Rosa, CA 95401 CSB #343802 Exp. 2/28/10 CSB #294141 Exp. 9/30/13 (inactive)	**10/15/09 through 10/14/12** Decision
Cedar Development Corporation **Serghon Gabriel Afram, individually** 12477 Feather Dr Mira Loma, CA 91752 CSB # 839898 Exp. 6/30/10 (suspended)	**8/5/09 through 8/4/12** Decision

All Floors Commercial and Residential Flooring, Inc. **Salvador Elias Perea, individually** 750 E. McGlincy Lane, #103 Campbell, CA 95008 CSB #430969 Exp. 7/31/09	**5/14/09 through 5/13/12** Decision
1-AMD Construction, Inc. **Alberto Mordoki, individually** **Mirella Mordoki, individually** 5300 Beach Blvd., Suite 110-416 Buena Park, CA 90621 CSB #787533, revoked	**3/16/09 through 3/15/12** Decision>

May 2016

File a Claim

- Wage claims
- Bureau of Field Enforcement
- Public works complaints
- Claims for retaliation or discrimination

More Services

- Public records requests
- Translations
- Verify a license or registration
- Find a wage order
- Online payments
- Haga un pago por linea

Learn more about DLSE

- DLSE Frequently asked questions
- Archives
- DLSE site map
- Workplace postings
- Legislative reports

Copyright © 1995 - 2016 State of California

City of SACRAMENTO

Formal Bid / Proposal Delivery Options

Any vendor and/or consultant submitting an official bid or proposal to the City of Sacramento City Clerk's Office, shall select one of the following delivery options. To ensure responsive receipt of bids and/or proposals within established submission deadlines, address information must exactly match one of the below options.

The City of Sacramento is not responsible for the late receipt of bids and/or proposals where the proposer did not adhere to one of the available delivery options.

Option	Service Provider and/or Service Types	Address
1.	**United States Postal Service (USPS)** - Regular First Class - Certified or Return Receipt - Priority - Express	Sacramento City Clerk's Office 915 I Street, New City Hall Public Counter - 5th Floor Sacramento, CA 95814-2604
2.	**Expedited Services** - FedEx - UPS - DHL	Sacramento City Clerk's Office 915 I Street, New City Hall Public Counter - 5th Floor Sacramento, CA 95814-2604
3.	**Personal Delivery** - Hand Delivery - Courier	Sacramento City Clerk's Office 915 I Street, New City Hall Public Counter - 5th Floor Sacramento, CA 95814-2604

Updated 3/19/2015 @ 8:22:26 AM

TABLE OF CONTENTS

	# of Pages
Invitation to Bid	1 - 2
Applicable Local Status Area's	1 only
M/WBE REQUIREMENTS	Various pages
Bid Proposal Form	1 – 4
Bid Proposal Guarantee	1 only
Subcontractor and Local Business Enterprise Participation Form	1 only
Drug Free Work Place	1 only
Minimum Qualifications Questionnaire	1 - 6
Non-Discrimination in Employee Benefits Ordinance Certification	1 – 7
Title VI Language	1 only
Green Contracting Survey	1 – 3
Agreement	1 – 14
Performance Bond	1 only
Payment Bond	1 only
Worker's Compensation Certification	1 only
Construction & Demolition Debris Recycling Requirements	1 - 6
Pay Request Process	1 only
Pay Request Application	1 - 2
Schedule of Values	1 - 2
Guarantee	1 only
Sample NTP	1 only
Special Provisions	1 - 78
Appendix A - Labor Compliance	1 - 47

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the office of the City Clerk Public Counter, New City Hall, 4th Floor, located at 915 I Street between 9th and 10th Streets, up to the hour of **2:00 PM on June 8, 2016 and** will be opened as soon thereafter as business allows, in the Planning Commission Conference Room, Historic City Hall for:

El Camino Avenue & Clay Street Traffic Signal Project (PN: T15165200)

as set forth in the Contract Documents.

Proposals received and work performed thereunder shall comply with the requirements of Title 3 of the Sacramento City Code. Each Bid Proposal shall be accompanied by bid security of at least 10% of the sum of the Bid Proposal which conforms to the requirements of Section 7.0 of the Instructions to Bidders. The right to reject Proposals or to waive any error or omission in any Bid Proposal received is reserved by the City. Signed proposals shall be submitted on the printed forms contained in the Project Manual and enclosed in an envelope marked: Sealed Bid Proposal for:

El Camino Avenue & Clay Street Traffic Signal Project (PN: T15165200)

Copies of the Contract Documents are available at Planetbids:

http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#

There are no costs to view or download the plans and specifications.

Subcontractors shall comply with the rates of wages currently established by the Director of Industrial Relations under provisions of Sections 1773 of the Labor Code of the State of California, a copy of which is on file in the office of the City Clerk. In accordance with Sacramento City Code Section 3.60.180 and Section 1771.5 of the California Labor Code, the payment of the general prevailing rate of per diem wages or the general prevailing rate of per diem wages for holiday and overtime is not required for any Public Construction project of $25,000 or less, or Public Maintenance project of $15,000 or less. The City of Sacramento has an approved Labor Compliance Program. **Electronic Web submittal of Labor Compliance Reports is effective May 1, 2007.** Each contractor and every lower-tier subcontractor is required to submit certified payrolls and labor compliance documentation electronically at the discretion of and in the manner specified by the City of Sacramento.

Electronic submittal will be a web-based system, accessed on the World Wide Web by a web browser. Each contractor and subcontractor will be given a Log On identification and password to access the City of Sacramento reporting system.

Use of the system may entail additional data entry of weekly payroll information including; employee identification, labor classification, total hours worked and hours worked on this project, wage and benefit rates paid, etc. The contractor's payroll and accounting software might be capable of generating a 'comma delimited file' that will interface with the software.

This requirement will be 'flowed down' to every lower-tier subcontractor and vendor required to provide labor compliance documentation.

All questions regarding this Labor Compliance Program should be directed to the department's contracts staff or Contracts Services at (916) 808-1923.

Department of Industrial Relations Registration and Reporting Requirements (SB 854)

Labor Code Section 1725.5 (enacted by SB 854) requires all contractors bidding on this contract, all subcontractors listed in a bid for this contract, and any contractor or subcontractor performing any work under this contract, to be currently registered with the California Department of Industrial Relations (DIR), as specified in Labor Code Section 1725.5. Labor Code Section 1771.1 (enacted by SB 854) provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Every bidding contractor shall list the contractor's current DIR registration number, and the current DIR registration number of all listed subcontractors, on the Subcontractor and Local Business Enterprise (LBE) Participation Verification Form included in the contractor's bid.

Pursuant to Labor Code Section 1771.1(b): (1) any bid received from a contractor that is not currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5 **shall be rejected as non-responsive**; and (2) any bid listing one or more subcontractors on the bidder's Subcontractor and Local Business Enterprise (LBE) Participation Verification Form that are not currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5, **shall be rejected as non-responsive**, unless the listing was an inadvertent error and any of the conditions specified in Labor Code Section 1771.1(c) apply.

This contract also is subject to compliance monitoring and enforcement by the DIR. For all contracts awarded on or after April 1, 2015, California Labor Code Section 1771.4 (enacted by SB 854) requires the contractor and all subcontractors to furnish electronic payroll records directly to the Labor Commissioner (in addition to City staff via the City's electronic system).

A Fact Sheet summarizing the provisions of SB 854 is attached. This is provided solely for informational purposes, and does not in any way affect the contractor's and subcontractors' obligation to comply in all respects with the provisions of SB 854, including the provisions referenced above, as well as all other applicable laws and regulations.

Pursuant to Sacramento City Code Section 3.60.250, any Agreement awarded pursuant to this Invitation to Bid shall contain a provision permitting the substitution of securities for any monies withheld to ensure performance under the Agreement. The terms of such provisions shall be according to the requirements and the form required by the City.

Bid protests must be filled and maintained in accordance with the provisions of Sections 3.60.460 through 3.60.560 of the Sacramento City Code. Bid protests that do not comply with Sections 3.60.460 through 3.60.560 of the Sacramento City Code shall be invalid and shall not be considered. A bid protest fee of $750.00 is required at the time of filing to be considered valid in accordance with City of Sacramento Resolution No. 2003-231 dated April 29, 2003. As used herein, the term "bid protest" includes any bid protest that (1) claims that one or more bidders on this contract should be disqualified or rejected for any reason, or (2) contests a City staff recommendation to award this contract to a particular bidder, or (3) contests a City staff recommendation to disqualify or reject one or more bidders on this contract. A copy of Sections 3.60.460 through 3.60.560 of the Sacramento City Code may be obtained from the Project Manager, or from the City Clerk, located at 915 I Street, Sacramento, CA 95814.

NEW PUBLIC WORKS CONTRACTOR REGISTRATION LAW [SB 854]

FACT SHEET

SB 854, a budget trailer bill that was signed into law on June 20, 2014, and became effective immediately, made several significant changes to laws pertaining to the administration and enforcement of prevailing wage requirements by the Department of Industrial Relations (DIR). Among other things, SB 854 established a new public works contractor registration program to replace prior Compliance Monitoring Unit (CMU) and Labor Compliance Program (LCP) requirements for bond-funded and other specified public works projects. The fees collected through this new program will be used to fund all of DIR's public works activities, including compliance monitoring and enforcement, the determination of prevailing wage rates, public works coverage determinations, and hearing enforcement appeals.

Essentials of public works contractor registration program:

- Contractors will be subject to a registration and annual renewal fee that has been set initially at $300. The fee is non-refundable and applies to all contractors and subcontractors who intend to bid or perform work on public works projects (as defined under the Labor Code).
- Contractors will apply and pay the fee online and must meet minimum qualifications to be registered as eligible to bid and work on public works projects:
    - Must have workers' compensation coverage for any employees and only use subcontractors who are registered public works contractors.
    - Must have Contractors State License Board license if applicable to trade.
    - Must have no delinquent unpaid wage or penalty assessments owed to any employee or enforcement agency.
    - Must not be under federal or state debarment.
    - Must not be in prior violation of this registration requirement once it becomes effective. However, for the first violation in a 12 month period, a contractor may still qualify for registration by paying an additional penalty.
- The registration fee is not related to any project. It is more like a license that enables the registrant to bid on and perform public works.

- DIR will post a list of registered contractors and subcontractors on its website so that awarding bodies and contractors will be able to comply with requirements to only use registered contractors and subcontractors.
- Various protections are built in so that
    - A contractor won't be in violation for working on a private job that is later determined to be public work;
    - The inadvertent listing of an unregistered subcontractor on a bid won't necessarily invalidate that bid;
    - A contract with an unregistered contractor or subcontractor is subject to cancellation but is not void as to past work;
    - An unregistered contractor or subcontractor can be replaced with one who is registered;
    - A contractor whose registration lapses will have a 90 day grace period within which to pay a late fee and renew.
- Registrations will begin after July 1, 2014, once the registration system is ready to go online. The preferred method of payment will be by credit card.
- The requirement to list only registered contractors and subcontractors on bids becomes effective on March 1, 2015. The requirement to only use registered contractors and subcontractors on public works projects applies to all projects awarded on or after April 1, 2015.

Essentials of Public Works Enforcement Fund:

All contractor registration fees will go into the State Public Works Enforcement Fund and be used to fund the following items --

- administration of contractor registration requirement
- all DIR costs for administering and enforcing public works laws
- Labor Commissioner's enforcement of other Labor Code violations on monitored public works projects.

DIR will no longer charge awarding bodies for prevailing wage compliance monitoring and enforcement by the CMU. (*Note: DIR will continue to bill and collect fees from awarding agencies for CMU services provided through June 20, 2014.*)

Related changes in DIR's administration and enforcement of public works requirements:

- Requirements to use CMU or specified alternative (labor compliance program or project labor agreement) for state bond-funded and other specified projects have been eliminated and replaced by requirements that apply to all public works projects (as defined under the Labor Code).
- Awarding bodies are *now* required to submit PWC-100 (contract award notice) for all public works projects. (*This requirement previously applied to about 90% of all projects.*)
- Contractors and subcontractors on *all* public works projects will be required to submit certified payroll records (CPRs) to the Labor Commissioner unless excused from this requirement.
    - This requirement will be phased in as follows:
        - Applies immediately to public works projects that have already been under CMU monitoring, *i.e.* contractors on ongoing projects that have been submitting CPRs to the CMU will continue doing so
        - Will apply to any new projects awarded on or after April 1, 2015
        - May apply to other projects as determined by Labor Commissioner
        - Will apply to all public works projects, new or ongoing, on and after January 1, 2016
    - The Labor Commissioner may make exception to this requirement for
        - Projects covered by qualifying project labor agreement
        - Projects undertaken by one of four remaining awarding bodies with legacy LCPs (Caltrans, City of Los Angeles, County of Sacramento, and Los Angeles Unified School District), so long as those LCPs remain approved by DIR
    - CPRs will be furnished online (as is done currently for CMU). DIR intends to continue making improvements to this process, including creating a means for general contractors to have online access to the CPRs submitted by their subcontractors.
- Requirements for awarding bodies to adopt and enforce a DIR-approved LCP are now limited to: (1) public works projects awarded prior to January 1, 2012 that were under a preexisting LCP requirement; and (2) projects funded in whole or in part by Proposition 84.

BID PROPOSAL FORMS

PLEASE REMOVE AND COMPLETE THE FOLLOWING DOCUMENTS AND SUBMIT AS THE BID PROPOSAL PACKAGE

BID PROPOSAL CHECKLIST

Included: Please (√)	Pages
☐ Bid Proposal Form	1 –4
☐ M/WBE Requirements	Various pages
☐ Subcontractor Participation Form	1 only
☐ Bid Proposal Guarantee	1 only
☐ Drug Free Work Place Certification	1 only
☐ Minimum Qualifications Questionnaire	1 - 6
☐ Non-Discrimination in Employee Benefits Ordinance Certification	1 – 9
☐ SOV For Lump Sum items *	1 only

***Bidder generated document**

Provide a Schedule of Values (cost break-down) for each lump sum electrical item(s). The Schedule of Values (cost break-down) shall be provided by 4:00 p.m. on the fourth working day after the bid opening. If the lump sum item cost break-down is not submitted within the specified time, the bid will be deemed as non-responsive. The cost break-down shall be submitted to the Contracts Manager, Jose R. Ledesma at 915 I Street, Suite 2000, Sacramento, CA 95814, it may also be e-mailed to jledesma@cityofsacramento.org

DERECHOS DEL EMPLEADO

BAJO LA LEY DAVIS-BACON

PARA OBREROS Y MECÁNICOS EMPLEADOS EN PROYECTOS DE CONSTRUCCIÓN FEDERAL O CON ASISTENCIA FEDERAL

LA SECCIÓN DE HORAS Y SUELDOS DEL DEPARTAMENTO DE TRABAJO DE EEUU

SALARIOS PREVALECIENTES

No se le puede pagar menos de la tasa de pago indicada en la Decisión de Salarios Davis-Bacon fijada con este Aviso para el trabajo que Ud. desempeña.

SOBRETIEMPO

Se le ha de pagar no menos de tiempo y medio de su tasa básica de pago por todas las horas trabajadas en exceso de 40 en una semana laboral. Existen pocas excepciones.

CUMPLIMIENTO

Se pueden retener pagos por contratos para asegurarse que los obreros reciban los salarios y el pago de sobretiempo debidos, y se podría aplicar daños y perjuicios si no se cumple con las exigencias del pago de sobretiempo. Las cláusulas contractuales de Davis-Bacon permiten la terminación y exclusión de contratistas para efectuar futuros contratos federales hasta tres años. El contratista que falsifique los registros certificados de las nóminas de pago o induzca devoluciones de salarios puede ser sujeto a procesamiento civil o criminal, multas y/o encarcelamiento.

APRENDICES

Las tasas de aprendices sólo se aplican a aprendices correctamente inscritos bajo programas federales o estatales aprobados.

PAGO APROPIADO

Si Ud. no recibe el pago apropiado, o precisa de información adicional sobre los salarios aplicables, póngase en contacto con el Contratista Oficial que aparece abajo:

o póngase en contacto con la Sección de Horas y Sueldos del Departamento de Trabajo de EEUU.

Para obtener información adicional:

1-866-4-USWAGE

(1-866-487-9243) TTY: 1-877-889-5627

WWW.WAGEHOUR.DOL.GOV

WHD U.S. Wage and Hour Division

U.S. Department of Labor | Employment Standards Administration | Wage and Hour Division

WH 1321 SPA (Revised April 2009)

EMPLOYEE RIGHTS
UNDER THE DAVIS-BACON ACT

FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

PREVAILING WAGES You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.

OVERTIME You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.

ENFORCEMENT Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from future federal contracts for up to three years. A contractor who falsifies certified payroll records or induces wage kickbacks may be subject to civil or criminal prosecution, fines and/or imprisonment.

APPRENTICES Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

PROPER PAY If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:

or contact the U.S. Department of Labor's Wage and Hour Division.

For additional information:

1-866-4-USWAGE

(1-866-487-9243) TTY: 1-877-889-5627

WHD U.S. Wage and Hour Division

WWW.WAGEHOUR.DOL.GOV

U.S. Department of Labor | Employment Standards Administration | Wage and Hour Division

WH 1321 (Revised April 2009)

M + M Electric

BID PROPOSAL CHECKLIST

Included: Please (√)	Pages
☑ Bid Proposal Form	1 –4
☑ M/WBE Requirements	Various pages
☑ Subcontractor Participation Form	1 only
☑ Bid Proposal Guarantee	1 only
☑ Drug Free Work Place Certification	1 only
☑ Minimum Qualifications Questionnaire	1 - 6
☑ Non-Discrimination in Employee Benefits Ordinance Certification	1 – 9
☐ SOV For Lump Sum items *	1 only

***Bidder generated document**

Provide a Schedule of Values (cost break-down) for each lump sum electrical item(s). The Schedule of Values (cost break-down) shall be provided by 4:00 p.m. on the fourth working day after the bid opening. If the lump sum item cost break-down is not submitted within the specified time, the bid will be deemed as non-responsive. The cost break-down shall be submitted to the Contracts Manager, Jose R. Ledesma at 915 I Street, Suite 2000, Sacramento, CA 95814, it may also be e-mailed to jledesma@cityofsacramento.org

TO THE HONORABLE CITY COUNCIL
SACRAMENTO, CALIFORNIA:

In compliance with the Contract Documents, the undersigned hereby proposes to furnish all required labor, materials, supervision, transportation, equipment, services, taxes and incidentals required for:

El Camino Avenue and Clay Street Traffic Signal
(T15165200)

in the City and County of Sacramento, California.

The Work is to be done in strict conformity with the Contract Documents now on file in the Office of the City Clerk, for the following sum:

Item No.	Item	Estimated Quantity	Unit	Final Pay (F)	Unit Price	Total
1.	Preconstruction Photographs	1	LS		$ 1,812	$ 1,812
2.	Traffic Control System	1	LS		$ 4,101	$ 4,101
3.	Clearing and Grubbing	1	LS		$ 4,200	$ 4,200
4.	Roadway Excavation and Grading	36	CY	[F]	$ 200	$ 7,200
5.	Aggregate Base, Class 2, to Place	50	TON		$ 87	$ 4,350
6.	Asphalt Concrete Pavement to Place	13	TON		$ 470	$ 6,110
7.	Slurry Seal (Type II) to Place	3400	SY		$6.30	$ 21,420
8.	Curb Type 14 to Construct	100	LF		$ 55	$ 5,500
9.	4" PCC Sidewalk to Construct	250	SF		$ 23	$ 5,750
10.	Truncated Domes to Place	2	EA		$ 800	$ 1,600
11.	Remove Striping and Markings	1	LS		$ 3300	$ 3,300
12.	Striping and Markings to Place	1	LS		$ 7000	$ 7,000
13.	Construct Sidewalk Barricade	1	EA		$ 550	$ 550
14.	Install 18" Drain Lead to Install	12	LF		$ 165	$ 1,980
15.	Junction Box to Reconstruct	1	EA		$ 5,200	$ 5,200

16.	Sign to Remove	8	EA		$ 110	$ 880
17.	Sign to Relocate	1	EA		$ 165	$ 165
18.	Measure A Sign To Place	2	EA		$ 400	$ 800
19.	Traffic Sign to Place	14	EA		$ 275	$ 3850
20.	Water Valve to Adjust to Grade	2	EA		$ 420	$ 840
21.	Fire Hydrant to Adjust to Grade	2	EA		$ 900	$ 1,800
22.	Traffic Signal Installation	1	LS		$ 198,699	$ 198,699

(F) – denotes final pay quantity

CONTRACTOR NAME: May-Han Electric dba. M+M Electric TOTAL $ 287,107

It is understood that this Bid Proposal is based upon completion of the Work within a period of **FORTY (40) WORKING DAYS,** commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor is hereby notified and reminded that per City Contract requirements, the City will issue a Notice to Proceed within 15 calendar days of execution of contract by City. Contact work days will start immediately on the date of the Notice to Proceed. Attached is a sample of a Notice to Proceed.

Work under these Special Provisions includes general engineering contractor and electrical contractor tasks as defined by the California Business and Professional Code, the California Code of Regulations, and the California Contractors State License Board (CCSLB). The Contractor shall have a current and active Class A – General Engineering Contractor License issued by the CCSLB at the time of the bid submittal and throughout the construction period. The Contractor, and/or subcontractors performing electrical contractor tasks, shall also have a current and active Class C10 – Electrical Contractor License issued by the CCSLB at the time of the bid submittal and throughout the construction period. The Contractor shall include the license numbers, names of licensees, and any cited violations and violation investigations by the CCSLB within three years prior to the date of the bid submittal in the bid proposal. Failure to include this information will cause the bid to be deemed non-responsive.

Class A License Number: 260864
Name and Address of Licensee: May-Han Electric dba. M+M Electric 1600 Auburn BLVD Sacramento 95815
Issue Date: 12-31-69
Expiration Date: 8-31-16
Violations Status: clear

Class C10 License Number: 260864
Name and Address of Licensee: Same as above
Issue Date:
Expiration Date:
Violations Status:

Provide a Schedule of Values (cost break-down) for each lump sum electrical item(s). The Schedule of Values (cost break-down) shall be provided by 4:00 p.m. on the fourth working day after the bid opening. If the lump sum item

cost break-down is not submitted within the specified time, the bid will be deemed as non-responsive. The cost break-down shall be submitted to the Contracts Manager, at 915 I Street, Suite 2000, Sacramento, CA 95814.

In determining the amount bid by each bidder, the City may disregard mathematical errors in addition, subtraction, multiplication, and division that appear obvious on the face of the Proposal. When such a mathematical error appears on the face of the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

The City Council may reject any and all bids and waive any informalities or minor irregularities in the bids.

When an item price is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times the Engineer's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item unless, in the sole discretion of the City, such a procedure would be inconsistent with the policy of the bidding procedure. The total paid for each such item of work shall be based upon the item price and not the total price. Should the Proposal contain only total price for the item and the item price is omitted, the City shall determine the item price by dividing the total price for the item by the Engineer's estimate of the estimated quantities of work to be performed as items of work.

If the Proposal contains neither the item price nor the total price for the item, then it shall be deemed incomplete and the Proposal shall be disregarded.

The undersigned has examined the location of the proposed Work, the local conditions at the place where the Work is to be done, is familiar with the Contract Documents and is familiar and expressly agrees to the liquidated damages provision of the Contract Documents.

The undersigned has checked carefully all of the foregoing figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this Bid Proposal.

Enclosed is a Bid Proposal Guarantee, as required, consisting of a bidder's bond or other acceptable security for not less than ten percent (10%) of the amount Bid Proposal.

The undersigned agrees that all addenda received and acknowledged herein shall become a part of and be included in this Bid Proposal. This Bid Proposal includes the following addenda:

Add. #		DATE	None
Add. #		DATE	
Add. #		DATE	

NOTE: State whether your company is a corporation, a co-partnership, private individual, or individuals doing business under a firm name.

Corporation

If the Bidder is a corporation, the Bid Proposal must be executed in the name of the corporation and must be signed by a duly authorized officer of the corporation.

If the Bidder is a partnership, the Bid Proposal must be executed in the name of the partnership and one of the partners must subscribe their signature thereto as the authorized representative of the partnership.

AMOUNT OF BID PROPOSAL GUARANTEE ENCLOSED:

($_____) not less than ten percent (10%) of amount Bid Proposal

_____ CERTIFIED CHECK
_____ CASHIER'S CHECK
X 10% BID BOND
_____ MONEY ORDER
_____ OTHER SECURITY

CONTRACTOR:

By Audrey Daugherty
(Signature)

Audrey Daugherty
(Print or Type)

Title President
Address 1600 Auburn Blvd.
Sacramento, CA 95815
Telephone No. 916-929-0150

Fax No. 916-929-1168

Email Address logan@sacmmelectric.com

Date June 8, 2016

FOR CITY USE ONLY

Bid Bond Security
☐ Properly Signed ☐ *Improperly Signed*
☐ *Not Included* ☐ Not Required

Type of Deposit
☒ Bid Bond ☐ Cashier/Certified Check
☐ Other_____ Initial: V.E.

Contractor's License No. 260864 Type A, C-10

Expiration Date 8-31-16

Tax I.D. Nos.- Fed. 94-1711147 State CA

City of Sacramento Business Operation Tax Certificate No. 80054
(City will not award contract if Certificate Number is missing.)

City of SACRAMENTO
Department of Public Works

KNOW ALL MEN BY THESE PRESENTS,

That we, M & M Electric

as Principal, and The Ohio Casualty Insurance Company

a corporation duly organized under the laws of the State of New Hampshire and is duly licensed to become sole surety on bonds required or authorized by the State of California, as Surety, are held and firmly bound unto the City of Sacramento, hereinafter called the City, in the penal sum of ten percent (10%) of the (BASE OR LUMP SUM) Proposal of the Principal above named, or other amount as set forth in the Invitation to Bidders, submitted by said Principal to the City for the Work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH
That whereas the Principal has submitted the above-mentioned Proposal to the City, for which Proposals are to be opened by the City Clerk's Office, City of Sacramento, located at 915 I Street, Historic City Hall, Closed Session Room #CH1104, Sacramento, CA 95814 up to the hour of 2:00 p.m. on June 8, 2016 for the Work specifically described as follows:

El Camino Avenue & Clay Street Traffic Signal Project
(PN: T15165200)

NOW, THEREFORE, if the aforesaid Principal is awarded the Contract and within the time and manner required under the Contract Documents, enters into a written Contract, in the prescribed form, in accordance with the Proposal, and files two (2) bonds with the City, one to guarantee faithful performance and the other to guarantee payment for labor and materials, and files the required insurance policies with the City, all as required by the Contract Documents or by law, then the obligation shall be null and void; otherwise it shall be and remain in full force and effect.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court, which sums shall be additional to the principal amount of this bond.

IN WITNESS THEREOF We have hereunto set our hands and seal this 6th day of June 2016.

M & M Electric
(Contractor) (Seal)
By
Title

ORIGINAL APPROVED AS TO FORM:

City Attorney

The Ohio Casualty Insurance Company
(Surety) (Seal)
By
Title Jana B. Pilgard, Attorney in Fact
Agent Name and Address
**See Below
Agent Phone # Robert Laux 1-916-782-6637
Surety Phone # Stacy Ross 1-415-537-2513
California License # 0G13571
**Buschmann, Buschmann & Laux Surety Insurance Services LLC
300 Harding Blvd., Suite 209, Roseville, CA 95678

(Rev. 1-8-14)

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Placer)

On June 6, 2016 before me, Kathy Rangel, Notary Public
(insert name and title of the officer)

personally appeared Jana B. Pilgard,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

KATHY RANGEL
COMM. # 2007083
NOTARY PUBLIC • CALIFORNIA
PLACER COUNTY
Comm. Exp. FEB. 11, 2017
MGC1 MGC1

Signature Kathy Rangel (Seal)

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.
This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7022939

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Dona Lisa Buschmann; J. Buschmann; Jana B. Pilgard; Kathy Rangel; Robert D. Laux

all of the city of Roseville, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 15th day of June, 2015.

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 15th day of June, 2015, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

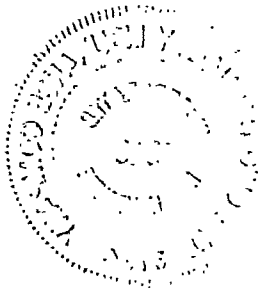
I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 6th day of June, 2016.

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



Any Contractor who is bidding on the project as a M/WBE prime, is hereby notified that they must also perform and submit GFE for M/WBE subcontractor participation.

Failure to submit GFE for M/WBE subcontractors participation shall deem Contractor's bid non-responsive.

SECTION 3 BUSINESS AND MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISE GOOD FAITH EFFORT CONTACT LOG

Trade — See attached logs —

Sub Contractor/Supplier _____

Address _____

City, State, Zip _____

Contact Method _____

Contact Name/Number/Email/Fax, etc. _____

Section 3 Business (circle one) Yes No M/WBE Business Enterprise (circle one) Yes No

Trade _____

Sub Contractor/Supplier _____

Address _____

City, State, Zip _____

Contact Method _____

Contact Name/Number/Email/Fax, etc. _____

Section 3 Business (circle one) Yes No M/WBE Business Enterprise (circle one) Yes No

Trade _____

Sub Contractor/Supplier _____

Address _____

City, State, Zip _____

Contact Method _____

Contact Name/Number/Email/Fax, etc. _____

Section 3 Business (circle one) Yes No M/WBE Business Enterprise (circle one) Yes No

Trade _____

Sub Contractor/Supplier _____

Address _____

City, State, Zip _____

Contact Method _____

Contact Name/Number/Email/Fax, etc. _____

Section 3 Business (circle one) Yes No M/WBE Business Enterprise (circle one) Yes No

Copy and attach additional sheets as necessary

SUBMIT WITH BID/OFFER

SECTION 3 BUSINESS AND MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISE OUTREACH QUESTIONNAIRE

1. State how Section 3 business concerns and Minority and Women Owned Business Enterprise (M/WBE) were notified of subcontracting opportunities by the contractor and subcontractor(s)?

   Via Caltrans database search and fax notification.

2. How were Section 3 business concerns and M/WBEs assisted in submitting bids?

   Aid in submitting bids was offered in the fax solicitation.

3. What assistance was requested and received from community organizations. (Provide the names and dates of all community organizations contacted.)

   None

4. State anything else that you would like to add in support of your demonstration of a good faith effort to outreach to Section 3 business concerns and M/WBEs. List any impediments encountered in soliciting and/or awarding contracts to Section 3 business concerns and/or M/WBEs.

   We are a WBE company

AFFIDAVIT

The undersigned hereby declares under penalty of perjury under the Laws of the State of California that the foregoing statements on this questionnaire are true and correct. I acknowledge that any misrepresentation of a material fact in said statements may be grounds for initiating action under Federal or State laws and for rejecting the bid/offer.

Signature: [illegible]

Date: 6/8/2016

County where signed: Sacramento

SUBMIT WITH BID/OFFER

SECTION 3 BUSINESS AND MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISE TRADE/CRAFT DOCUMENTATION SHEET

Name of Contractor Performing Work (List Prime Contractor or Subcontractor Name)	Trades/Crafts	CSLB License #	Section 3 Business Yes/No*	M/WBE Business Yes/No*	Outreach Effort (attach) Yes/No*
m+m electric (Prime)	Electric, trenching	260864	no	yes	N/A
Integrity Data + Fiber	Fiber work	778249	no	no	yes
Allied-west Construction	Civil, Paving, concrete	633593	no	no	yes
Sierra Traffic Markings	Striping	755317	no	no	yes
California Pavement Maintenance	Slurry seal	374514	no	no	yes
Welco Const.	Directional Drilling	959913	no	no	yes

Note: All Contractors and subcontractors being used to perform the work on this contract must be listed on this form, regardless of dollar amount. No substitutions of subcontractor(s) are allowed without written approval from the Contracting Officer. Any substitutions in subcontractor(s) are subject to the same Section 3 Business and Minority/Women-Owned Business Enterprise outreach efforts as stated in the original contract.

* If a subcontractor is not both a Section 3 Business and a Minority/Women-Owned Business Enterprise, please attach a copy of your outreach effort(s) on the Good Faith Effort Contact Log or attach a copy of an advertisement or facsimile solicitation. This documentation is required or your bid may be considered non-responsive.

SUBMIT WITH BID/OFFER

City of SACRAMENTO

SUBCONTRACTORS LIST

READ THE FOLLOWING REQUIREMENT CAREFULLY To be eligible for award of this contract, the bidder shall list any business and all subcontractors who perform work, labor, or render service in an amount in excess of one-half of 1 percent of the total bid amount shall be listed. In the case of bids for the construction of streets and highways, including bridges, subcontractors whose subcontract value exceeds one-half (0.5) of one percent of the total bid or ten thousand dollars ($10,000), whichever is greater, shall be listed. Estimated dollar values shall be provided for all work/services listed. The inclusion of false information or the omission of required information will render the bid non-responsive.

SUBCONTRACTOR			
Name	Welco Construction	**Contact**	Allen Wells
Address:	4708 Roseville Rd.	**Phone**	916-338-4440
City, State, Zip	North Highlands CA 95660	**Dollar Value**	$11,700
Description of Services	Directional bore		
Contractor Lic. # (MANDATORY)	959913	**DIR Registration # (MANDATORY)**	1000011655
SUBCONTRACTOR			
Name	Integrity Data + Fiber	**Contact**	Justin Miller
Address:	3318 Howard St #338	**Phone**	916-739-4787
City, State, Zip	McClellan Park, CA 95652	**Dollar Value**	$ 8065
Description of Services	Fiber related work		
Contractor Lic. # (MANDATORY)	478249	**DIR Registration # (MANDATORY)**	1000001069
SUBCONTRACTOR			
Name	California Pavement Maintenance Co.	**Contact**	Bruce Taylor
Address:	9390 Eldercreek Rd.	**Phone**	916-381-8033
City, State, Zip	Sacramento, CA 95829	**Dollar Value**	$19,210
Description of Services	Slurry seal		
Contractor Lic. # (MANDATORY)	374514	**DIR Registration # (MANDATORY)**	1000000235
SUBCONTRACTOR			
Name	Allied-West Construction	**Contact**	ED Arent
Address:	PO Box 530	**Phone**	916-663-4741
City, State, Zip	Penryn, CA 95663	**Dollar Value**	39,600
Description of Services	Civil work-CC, AC, Clearing + Grubbing, Roadway Excavation		
Contractor Lic. # (MANDATORY)	633593	**DIR Registration # (MANDATORY)**	1000005895
SUBCONTRACTOR			
Name	Sierra Traffic Markings	**Contact**	Jason Tarmey
Address:	9725 Del Rd. Ste. B	**Phone**	916-774-9080
City, State, Zip	Roseville, CA 95747	**Dollar Value**	$ 11,725.00
Description of Services	Striping		
Contractor Lic. # (MANDATORY)	755377	**DIR Registration # (MANDATORY)**	1000002783

Add additional pages if necessary.

Revised 4/15/14

City of SACRAMENTO
Department of Public Works

DRUG-FREE WORKPLACE POLICY AND AFFIDAVIT

BID PROPOSAL MAY BE DECLARED NONRESPONSIVE IF THIS FORM (COMPLETED) IS NOT ATTACHED.
Pursuant to City Council Resolution CC90-498 dated 6/26/90 the following is required.

The undersigned contractor certifies that it and all subcontractors performing under this Agreement will provide a drug-free workplace by:

1. Publishing a "Drug-Free Workplace" statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Establishing a Drug-Free Awareness Program to inform employees about:

   a. The dangers of drug abuse in the workplace.
   b. The contractor's policy of maintaining a drug-free workplace.
   c. Any available drug counseling, rehabilitation, and employee assistance program.
   d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.

3. Notify employees that as a condition of employment under this Agreement, employees will be expected to:

   a. Abide by the terms of the statement.
   b. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace.

4. Making it a requirement that each employee to be engaged in the performance of the Agreement be given a copy on the "Drug-Free Workplace" statement.

5. Taking one of the following appropriate actions, within thirty (30) days of receiving notice from an employee or otherwise receiving such notice, that said employee has received a drug conviction for a violation occurring in the workplace:

   a. Taking appropriate disciplinary action against such an employee, up to and including termination; or
   b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement or other appropriate agency.

* I certify that no person employed by this company, corporation, or business has been convicted of any criminal drug statute violation on any job site or project where this company, corporation or business was performing was within three years of the date of my signature below.

EXCEPTION: _____ _____ _____
Date **Violation Type** **Place of Occurrence**

If additional space is required use back of this form.

*** The above statement will also be incorporated as a part of each subcontract agreement for any and all subcontractors selected for performance on this project.**

IN THE EVENT THIS COMPANY, CORPORATION, OR BUSINESS IS AWARDED THIS CONSTRUCTION AGREEMENT, AS A RESULT OF THIS BID; THE CONTRACTOR WITH HIS/HER SIGNATURE REPRESENTS TO THE CITY THAT THE INFORMATION DISCLOSED IN THIS DOCUMENT IS COMPLETE AND ACCURATE. IT IS UNDERSTOOD AND AGREED THAT FALSE CERTIFICATION IS SUBJECT TO IMMEDIATE TERMINATION BY THE CITY.

The Representations Made Herein On This Document Are Made Under Penalty Of Perjury.

CONTRACTOR'S NAME: May-Han Electric dba. MaM Electric

BY: _____ President **Date:** 6-8-16
Signature **Title**

Effects of violations: **a.** Suspension of payments under the Agreement. **b.** Suspension or termination of the Agreement. **c.** Suspension or debarment of the contractor from receiving any Agreement from the City of Sacramento for a period not to exceed five years.

FM 681
(Rev. 10/5/01)

NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

INTRODUCTION

The Sacramento Non-Discrimination In Employee Benefits By City Contractors Ordinance (the "Ordinance"), codified as Sacramento City Code Chapter 3.54, prohibits City contractors from discriminating in the provision of employee benefits between employees with spouses and employees with domestic partners, and between the spouses and domestic partners of employees.

APPLICATION

The provisions of the Ordinance apply to any contract or agreement (as defined below), between a Contractor and the City of Sacramento, in an amount exceeding $25,000.00. The Ordinance applies to that portion of a contractor's operations that occur: (i) within the City of Sacramento; (ii) on real property outside the City of Sacramento if the property is owned by the City or if the City has a right to occupy the property; or (iii) at any location where a significant amount of work related to a City contract is being performed. The provisions apply only to those employee(s) actually working on the City contract and only for the actual amount of time the employee(s) spend working on such contract.

The Ordinance does not apply: to subcontractors or subcontracts of any Contractor or contractors; to transactions entered into pursuant to cooperative purchasing agreements approved by the Sacramento City Council; to legal contracts of other governmental jurisdictions or public agencies without separate competitive bidding by the City; where the requirements of the ordinance will violate or are inconsistent with the terms or conditions of a grant, subvention or agreement with a public agency or the instructions of an authorized representative of any such agency with respect to any such grant, subvention or agreement; to contracts for excavation or street construction; or to agreements for the use of City right-of-way where a contracting utility has the power of eminent domain.

DEFINITIONS

As set forth in the Ordinance, the following definitions apply:

"Contract" means an agreement for public works or improvements to be performed, or for goods or services to be purchased or grants to be provided, at the expense of the City or to be paid out of moneys deposited in the treasury or out of the trust money under the control or collected by the City. "Contract" also means a written agreement for the exclusive use ("exclusive use" means the right to use or occupy real property to the exclusion of others, other than the right reserved by the fee owner) or occupancy of real property for a term exceeding 29 days in any calendar year, whether by singular or cumulative instrument, (i) for the operation or use by others of real property owned or controlled by the City for the operation of a business, social, or other establishment or organization, including leases, concessions, franchises and easements, or (ii) for the City's use of occupancy of real property owned by others, including leases, concessions, franchises and easements.

"Contract" shall not include: a revocable at-will use or encroachment permit for the use of or encroachment on City property regardless of the ultimate duration of such permit; excavation, street construction or street use permits; agreements for the use of City right-of-way where a contracting utility has the power of eminent domain; or agreements governing the use of City property that constitute a public forum for activities that are primarily for the purpose of espousing or advocating causes or ideas and that are generally protected by the First Amendment to the United States Constitution or that are primarily recreational in nature.

"Contractor" means any person or persons, firm partnership or corporation, company , or combination thereof, that enters into a Contract with the City. "Contractor" does not include a public entity.

"Domestic Partner" means any person who has a currently registered domestic partnership with a governmental entity pursuant to state or local law authorizing the registration.

"Employee Benefits" means bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; pension and retirement benefits; vacation; travel benefits; and any other benefit given to employees;. "Employee benefits" shall not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state.

CONTRACTOR'S OBLIGATION TO PROVIDE THE CITY WITH DOCUMENTATION AND INFORMATION

Contractor shall provide the City with documentation and information verifying its compliance with the requirements of the Ordinance within ten (10) days of receipt of a request from the City. Contractors shall keep accurate payroll records, showing, for each City Contract, the employee's name, address, Social Security number, work classification, straight time pay rate, overtime pay rate, overtime hours worked, status and exemptions, and benefits for each day and pay period that the employee works on the City Contract. Each request for payroll records shall be accompanied by an affidavit to be completed and returned by the Contractor, as stated, attesting that the information contained in the payroll records is true and correct, and that the Contractor has complied with the requirements of the Ordinance. A violation of the Ordinance or noncompliance with the requirements of the Ordinance shall constitute a breach of contract.

EMPLOYER COMPLIANCE CERTIFICATE AND NOTICE REQUIREMENTS

(a) All contractors seeking a Contract subject to the Ordinance shall submit a completed Declaration of Compliance Form (attachment "A"), signed by an authorized representative, with each proposal, bid or application. The Declaration of Compliance shall be made a part of the executed contract, and will be made available for public inspection and copying during regular business hours.

(b) The Contractor shall give each existing employee working directing on a City contract, and (at the time of hire), each new employee, a copy of the notification provided as attachment "B."

(c) Contractor shall post, in a place visible to all employees, a copy of the notice provided as attachment "C."

DECLARATION OF COMPLIANCE
Equal Benefits Ordinance

May-Han Electric dba. Mom Electric
Name of Contractor

1600 Auburn Blvd. Sacramento, CA 95815
Address

The above named contractor ("Contractor") hereby declares and agrees as follows:

1. I have read and understand the Non-Discrimination In Employee Benefits By City Contractors Ordinance ("Ordinance") provided to me by the City of Sacramento ("City") in connection with the City's request for proposals or other solicitations for the performance of services, or for the provision of commodities, under a City contract or agreement ("Contract").

2. As a condition of receiving the City Contract, I agree to fully comply with the requirements of the Ordinance, codified as Chapter 3. 54 of the Sacramento City Code.

3. If the face amount of this City Contract is less than $100,000.00 as a condition of receiving this Contract, I agree to notify the City in writing if the aggregate value of the City Contract referenced herein, after changes, modifications, or similar actions, equals or exceeds $100,000.00 in total value.

4. I understand, to the extent that such benefits are not preempted or prohibited by federal or state law, employee benefits covered by the Ordinance, are any of the following:

   a. Bereavement Leave
   b. Disability, life, and other types of insurance
   c. Family medical leave
   d. Health benefits
   e. Membership or membership discounts
   f. Moving expenses
   g. Pension and retirement benefits
   h. Vacation
   i. Travel benefits
   j. Any other benefit offered to employees

   I agree that should I offer any of the above listed employee benefits, that I will offer those benefits, without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouses and domestic partners of such employees.

5. I understand that I will not be considered to be discriminating in the provision or application of employee benefits under the following conditions or circumstances:

   a. In the event that the actual cost of providing a benefit to a domestic partner or spouse, exceeds the cost of providing the same benefit to a spouse or domestic partner of an employee, I will not be required to provide the benefit, nor shall it be deemed discriminatory, if I require the employee to pay the monetary difference in order to provide the benefit to

the domestic partner or to the spouse.

b. In the event I am unable to provide a certain benefit, despite taking reasonable measures to do so, if I provide the employee with a cash equivalent, I will not be deemed to be discriminating in the application of that benefit.

c. If I provide employee benefits neither to employee's spouses nor to employee's domestic partners.

d. If I provide employee benefits to employees on a basis unrelated to marital or domestic partner status.

e. If I submit, to the Program Coordinator, written evidence of making reasonable efforts to end discrimination in employee benefits by implementing policies which are to be enacted before the first effective date after the first open enrollment process following the date the Contract is executed with the City.

   I understand that any delay in the implementation of such policies may not exceed one (1) year from the date the Contract is executed with the City, and applies only to those employee benefits for which an open enrollment process is applicable.

f. Until administrative steps can be taken to incorporate, in the infrastructure, nondiscrimination in employee benefits

   The time allotted for these administrative steps will apply only to those employee benefits for which administrative steps are necessary and may not exceed three (3) months from the date the Contract is executed with the City.

g. Until the expiration of a current collective bargaining agreement(s) where, in fact, employee benefits are governed by a collective bargaining agreement(s).

h. I take all reasonable measures to end discrimination in employee benefits by either requesting the union(s) involved agree to reopen the agreement(s) in order for me to take whatever steps are necessary to end discrimination in employee benefits or by my ending discrimination in employee benefits without reopening the collective bargaining agreement(s).

i. In the event I cannot end discrimination in employee benefits despite taking all reasonable measures to do so, I provide a cash equivalent to eligible employees for whom employee benefits (as listed previously), are not available.

   Unless otherwise authorized in writing by the City Manager, I understand this cash equivalent must begin at the time the union(s) refuse to allow the collective bargaining agreement(s) to be reopened or no longer than three (3) months from the date the Contract is executed with the City.

6. I understand that failure to comply with the provisions of Section 5. (a) through 4. (i), above, will subject me to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; debarment for future contracts until all penalties and restitution have been paid in full; deemed ineligible for future contracts for up to two (2) years; the imposition of a penalty, payable to the City, in the sum of $50.00 for each employee,

for each calendar day during which the employee was discriminated against in violation of the provisions of the Ordinance.

7. I understand and do hereby agree to provide each current employee and, within ten (10) days of hire, each new employee, of their rights under the Ordinance. I further agree to maintain a copy of each such letter provided, in an appropriate file for possible inspection by an authorized representative of the City. I also agree to prominently display a poster informing each employee of these rights.

8. I understand that I have the right to request an exemption to the benefit provisions of the Ordinance when such a request is submitted to the Procurement Services Division, in writing with sufficient justification for resolution, prior to contract award.

   I further understand that the City may request a waiver or exemption to the provisions or requirements of the Ordinance, when only one contractor is available to enter into a contract or agreement to occupy and use City property on terms and conditions established by the City; when sole source conditions exist for goods, services, public project or improvements and related construction services; when there are no responsive bidders to the EBO requirements and the contract is for essential goods or services; when emergency conditions with public health and safety implications exist; or when the contract is for specialized legal services if in the best interest of the City.

9. In consideration of the foregoing, I shall defend, indemnify and hold harmless, the City, its officers and employees, against any claims, actions, damages, costs (including reasonable attorney fees), or other liabilities of any kind arising from any violation of the City's Equal Benefits Requirements or of the Ordinance by me.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind the Contractor to the provisions of this Declaration.

Signature of Authorized Representative

6-8-16
Date

Print Name

President
Title

YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

On ..... (date), your employer (the "Employer") entered into a contract with the City of Sacramento (the "City") for ..... (contract details), and as a condition of that contract, agreed to abide by the requirements of the City's Non-Discrimination In Employee Benefits By City Contractors Ordinance (Sacramento City Code Section 3.54).

The Ordinance does not require the Employer to provide employee benefits. The Ordinance does require that if certain employee benefits are provided by the Employer, that those benefits be provided without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouse or domestic partner of employees.

The Ordinance covers any employee working on the specific contract referenced above, but only for the period of time while those employees are actually working on this specific contract.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

(Employee Benefits does not include benefits that may be preempted by federal or state law.)

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, or in the application of these employee benefits, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of the Ordinance, and after having exhausted all remedies with your employer,

You May . . .

- Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

  City of Sacramento
  Contract Services Unit
  915 I St, 2nd Floor
  Sacramento, CA 95814-2714

- Bring an action in the appropriate division of the Superior Court of the State of California against the Employer and obtain the following remedies:

  - Reinstatement, injunctive relief, compensatory damages and punitive damages

  - Reasonable attorney's fees and costs

YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

If your employer provides employee benefits, they must be provided to those employees working on a City of Sacramento contract without discriminating between employees with spouses and employees with domestic partners.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

If you feel you have been discriminated against by your employer . . .

You May . . .

- Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

  City of Sacramento
  Contract Services Unit
  915 I St, 2nd Floor
  Sacramento, CA 95814-2714

- Bring an action in the appropriate division of the Superior Court of the State of California against the employer and obtain reinstatement, injunctive relief, compensatory damages, punitive damages and reasonable attorney's fees and costs.

Discrimination and Retaliation Prohibited.

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of this Ordinance . . .

You May Also . . .

Submit a written complaint to the City of Sacramento, Contract Services Unit, at the same address, containing the details of the alleged violation.

MINIMUM QUALIFICATIONS QUESTIONNAIRE

Sacramento City Code Section 3.60.020 authorizes the Sacramento City Council to adopt standard minimum qualifications for bidders on competitively bid public works construction projects, and requires, among other provisions, that a bidder meet such minimum qualifications at the time of bid opening in order to bid. On July 31, 2007, the City Council adopted Resolution No. 2007-574 establishing these standard minimum qualifications. Pursuant to City Code section 3.60.020, a bidder failing to meet these minimum qualifications at the time of bid opening shall not be considered a responsible bidder for purposes of bidding on the subject project.

All bidders must demonstrate compliance with the minimum qualifications established by Resolution No. 2007-574 by completing all of the questions contained in this questionnaire. Bidder responses shall be limited to those operating business units, offices, branches and/or subsidiary divisions of the bidder that will be involved with the performance of any project work if awarded the contract. If a bidder answers "yes" to any single question, fails to submit a fully completed questionnaire, or submits false information, this will result in a determination that the minimum qualifications are not met, and the bidder shall not be considered a qualified bidder for purposes of bidding on this contract. If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must separately meet these minimum qualifications for the Joint Venture to be considered a qualified bidder.

The City of Sacramento ("City") shall make its determination on the basis of the submitted questionnaire, as well as any relevant information that is obtained from others or as a result of investigation by the City. While it is the intent of this questionnaire to assist the City in determining whether bidders possess the minimum qualifications necessary to submit bids on the City's competitively bid public works construction contracts, the fact that a bidder submits a questionnaire demonstrating that it meets these minimum qualifications shall not in any way limit or affect the City's ability to: (1) review other information contained in the bid submitted by the bidder, and additional relevant information, and determine whether the contractor is a responsive and/or responsible bidder; or (2) establish pre-qualification requirements for a specific contract or contracts.

By submitting this questionnaire, the bidder consents to the disclosure of its questionnaire answers: (i) to third parties for purposes of verification and investigation; (ii) in connection with any protest, challenge or appeal of any action taken by the City; and (iii) as required by any law or regulation, including without limitation the California Public Records Act (Calif. Gov't Code sections 6250 et seq.). Each questionnaire must be signed under penalty of perjury in the manner designated at the end of the form, by an individual who has the legal authority to bind the bidder submitting the questionnaire. If any information provided by a bidder becomes inaccurate, the bidder shall immediately notify the City and provide updated accurate information in writing, under penalty of perjury.

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

QUESTIONNAIRE

NOTICE: **For firms that maintain other operating business units, offices, branches and/or subsidiary divisions that will not be involved with the performance of any project work if the firm is awarded the contract, references hereafter to "your firm" shall mean only those operating business units, offices, branches and/or subsidiary divisions that will be involved with the performance of any project work.**

All of the following questions regarding "your firm" refer to the firm (corporation, partnership or sole proprietor) submitting this questionnaire, as well as any firm(s) with which any of your firm's owners, officers, or partners are or have been associated as an owner, officer, partner or similar position within the last five years
The firm submitting this questionnaire shall not be considered a responsible bidder if the answer to any of these questions is "yes", or if the firm submits a questionnaire that is not fully completed or contains false information.

1. **Classification & Expiration Date(s) of California** Contractor's License Number(s) held by firm:

   A, C-10 8-31-16

2. Has a contractor's license held by your firm and/or any owner, officer or partner of your firm been revoked at anytime in the last five years?

   ☐ Yes ☑ No

3. Within the last five years, has a surety firm completed a contract on your firm's behalf, or paid for completion of a contract to which your firm was a party, because your firm was considered to be in default or was terminated for cause by the project owner?

   ☐ Yes ☑ No

4. At the time of submitting this minimum qualifications questionnaire, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either California Labor Code section 1777.1 (prevailing wage violations) or Labor Code section 1777.7 (apprenticeship violations)?

   ☐ Yes ☑ No

5. At any time during the last five years, has your firm, or any of its owners, officers or partners been convicted of a crime involving the awarding of a contract for a government construction project, or the bidding or performance of a government contract?

   ☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

6. Answer either subsection A or B, as applicable:

A. Your firm has completed three or more government construction contracts in Sacramento County within the last five years: Within those five years, has your firm been assessed liquidated damages on three or more government construction contracts in Sacramento County for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging the assessment of liquidated damages on a government contract within the last five years, you need not include that contract in responding to this question.

☐ Yes ☑ No ☐ Not applicable

OR

B. Your firm has not completed at least three government construction contracts in Sacramento County within the last five years: Within the last three years, has your firm been assessed liquidated damages on three or more government construction contracts for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging an assessment of liquidated damages on a government contract within the last three years, you need not include that contract in responding to this question.

☐ Yes ☐ No ☐ Not applicable

7. In the last three years has your firm been debarred from bidding on, or completing, any government agency or public works construction contract for any reason?

NOTE: If there is a pending administrative or court action challenging a debarment, you need not include that debarment in responding to this question.

☐ Yes ☑ No

8. Has CAL OSHA assessed a total of three or more penalties against your firm for any "serious" or "willful" violation occurring on construction projects performed in Sacramento County at any time within the last three years?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

9. Answer either subsection A or B, as preferred:

A. In the last three years has your firm had a three year average Workers' Compensation experience modification rate exceeding 1.1?

☐ Yes ☐ No

OR

B. In the last three years has your firm had a three-year average incident rate for total lost workday cases exceeding 10?

NOTE: Incident rates represent the number of lost workday cases per 100 full-time workers and is to be calculated as: (N/EH) x 200,000, where

N	=	**number of lost workday cases (as defined by the U.S. Dept. of Labor, Bureau of Labor Statistics)**
EH	=	**total hours worked by all employees during the calendar year**
200,000	=	**base for 100 equivalent full-time working (working 40 hours per week, 50 weeks per year)**

☐ Yes ☑ No

10. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed penalties three or more times, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was a contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

11. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed a single penalty of $100,000 or more, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was the contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

12. In the past three years, have civil penalties been assessed against your firm pursuant to California Labor Code 1777.7 for violation of California public works apprenticeship requirements, three or more times?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

13. In the past three years, has a public agency in California withheld contract payments or assessed penalties against your firm for violation of public works prevailing wage requirements, three or more times?

NOTE: If there is a pending administrative or court action appealing a withholding or penalty assessment, you need not include that withholding or penalty assessment in responding to this question.

☐ Yes ☑ No

14. Has your firm been assessed penalties for violation of public works prevailing wage requirements in California, in an aggregate amount for the past three years of $50,000 or more?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

VERIFICATION AND SIGNATURE

I, the undersigned, certify and declare that I have read all the foregoing answers to this Minimum Qualifications Questionnaire, and know their contents. The matters stated in these Questionnaire answers are true of my own knowledge and belief, except as to those matters stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Signed at Sacramento, on 6-8-16.
(Location) (Date)

Signature: [signature]

Print name: Audrey Daugherty

Title: President

NOTE: If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must submit a separate Minimum Qualifications Questionnaire.

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal

PROJECT INFO
M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:
Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#
Or at our office.

PROJECT OUTREACH DESCRIPTION
M&M Electric is seeking qualified and certified M/WBE suppliers and subcontractors for the above referenced project. The following items of work have been identified as available for subcontracting: DIRECTIONAL DRILLING, SLURRY SEAL, CONCRETE CURB RAMPS, CURB & GUTTER, CONCRETE ASPHALT, SIGNING and STRIPING. Our firm will consider dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum M/WBE participation. We are an Equal Opportunity Employer.

TERMS AND REQUIREMENTS
100% Payment and Performance Bonds may be required for the full amount of subcontract. Subcontractor must possess a current contractor's license and DIR registration number. Insurance and Worker's Compensation must meet M&M's subcontract requirements. Please call to discuss any assistance required in obtaining bonding, insurance, equipment, materials and/or supplies necessary to participate in this project.

_____ YES we are interested in this project. We will fax our quote before the due date and time

_____ NO we are not interested.

Responsible Contact Name _____ Date:_____

Please Fax Back To: 916-929-1168 ASAP

Back To Query Form

Mon Jun 06 09:37:28 PDT 2016

Query Criteria
County: EL DORADO NEVADA PLACER SACRAMENTO SOLANO YOLO
Work Codes: C1901 ROADWAY EXCAVATION C7301 CONCRETE CURB & SIDEWALK - MISC C7601 DIRECTIONAL BORING/DRILLING C8405 THERMOPLASTIC TRAFFIC STRIPING & MARKING
Ethnicity: ASIAN PAC ASIAN SUB BLACK HISPANIC NAT AM OTHER
Licenses: A General Engineering Contractor
Firm Type: DBE

55 items found, displaying 1 to 20.[First/Prev] 1, 2, 3 [Next/Last]

Firm ID	Firm/DBA Name	Address	Addr	City	State	Zip	Zp	Mailing Address Line1	Mailing Address Line2	City	State	Mailing Zip Code1	Mailing Zip Code2	Certification Type	EMail	Contact Name	Area Code	Pl Nu
5270	A B S L CONSTRUCTION	29393 PACIFIC ST		HAYWARD	CA	94544								DBE	Daryl@absl...	LUIS M. AL...	510	727-
32335	A.J. VASCONI GENERAL ENGINEERING	1820 GALINDO STREET, SUITE 275		CONCORD	CA	94520								DBE	aj@ajvasco...	ANDREW J. ...	925	691-
37877	ALL PHASE CONSTRUCTION & ENGINEERING, INC.	5964 DEVECCHI AVE		CITRUS HEIGHTS	CA	95621		PO BOX 876		ROSEVILLE	CA	95661		DBE	heasley@al...	GARRY EASL...	916	332-
77	BERT W SALAS, INC.	10769 WOODSIDE AVENUE, SUITE 201		SANTEE	CA	92071	3175							DBE	bsalaz@ber...	BOB E. SAL...	619	562-
30173	BURKE CONSTRUCTION	4421 TENNESSEE DRIVE		SHINGLE SPRINGS	CA	95682		P.O. BOX 921		SHINGLE SPRINGS	CA	95682		DBE	burkebld@g...	MICHAEL J....	530	676-
13602	CALIFORNIA GRINDING SPECIALTIES, INC. DBA AUSTIN ENTERPRISE	13421 SNOW ROAD		BAKERSFIELD	CA	93314		PO BOX 81926		BAKERSFIELD	CA	93380		DBE	paustin@au...	PATTI AUST...	661	589-
37820	CHARLIE'S CUSTOM EXCAVATING, INC	21113 GILBERT DRIVE		REDDING	CA	96002		PO BOX 1160		PALO CEDRO	CA	96073		DBE	office@cce...	CHARLES JU...	530	221-
41250	CLEAR CREEK CONSTRUCTION INC.	10402 DAYSTAR WAY		PALO CEDRO	CA	96073								DBE	clearcreek...	ADAM HARND...	530	547-
40072	COOKS AND SON INC.	4134 ODIE LANE		SANTA MARIA	CA	93455		4134 ODIE LANE		SANTA MARIA	CA	93455		DBE	cooks_son@...	CHARLES E....	805	934-
14982	DAVID ENGINEERING CONSTRUCTION	6344 NUGGET DRIVE		FORESTHILL	CA	95631								DBE	odavid@ftc...	OSCAR DAVI...	530	367-
31021	DELTECH ENGINEERING, INC	4913 E. GERDA DRIVE		ANAHEIM	CA	92807		P.O. BOX 6630		ORANGE	CA	92863		DBE	abili@delt...	(MR.) EBBI...	714	495-
20	DIRT & AGGREGATE INTERCHANGE, INC	20905 N.E. SANDY BOULEVARD		FAIRVIEW	OR	97024	9772							DBE	contractor...	HENRY PELF...	503	661-
425	DON GARCIA EXCAVATING & PAVING, INC.	2020 E STREET		SOUTH LAKE TAHOE	CA	96150		P.O. BOX 7176		SOUTH LAKE TAHOE	CA	96158		DBE	dgarcia287...	MICHAEL GA...	530	577-
38712	DREAMBUILDER CONSTRUCTION CORP	1324 E LAWSON LN.		PLACENTIA	CA	92870								DBE	alex.singh...	ANURAG SIN...	714	646-
24176	EAGLE ENGINEERING AND CONSTRUCTION, INC	1175 PALOMAR DRIVE		REDWOOD CITY	CA	94062	3834							DBE	brooks.cur...	CURTIS BRO...	650	367-
32383	EAGLE ENVIRONMENTAL CONSTRUCTION	1485 BAYSHORE BLVD., SUITE 374		SAN FRANCISCO	CA	94124		2775 BUTTERS DR.		OAKLAND	CA	94602		DBE	rbatiste@e...	RONALD BAT...	415	480-
27500	EAR - ENVIRONMENTAL ASSESSMENT AND REMEDIATION MANAGEMENT,	4097 TRAIL CREEK ROAD		RIVERSIDE	CA	92505								DBE	rpendurthi...	RAVINDRA P...	951	324-
36272	EXBON DEVELOPMENT, INC.	13831 NEWHOPE STREET		GARDEN GROVE	CA	92843		13831 NEWHOPE STREET		GARDEN GROVE	CA	92843		DBE	info@exbon...	JANET LEE	714	539-
36850	FALCON BUILDERS & DEVELOPERS INC	5070 N. SIXTH STREET,		FRESNO	CA	93710		5070 N. SIXTH STREET,		FRESNO	CA	93710		DBE	johnf@falc...	JOHN FALCO...	559	226-

		SUITE 185				SUITE 185					
5435	FANFA, INC.	2401 GRANT AVENUE	SAN LORENZO	CA	94580 1888		DBE	dbgriffin@...	JOSEPH FAN...	510	278-

Export options: CSV | Excel | XML

Back To Query Form

Mon Jun 06 10:08:15 PDT 2016

Query Criteria
County: EL DORADO NEVADA PLACER SACRAMENTO SOLANO YOLO
Work Codes: C1901 ROADWAY EXCAVATION C7301 CONCRETE CURB & SIDEWALK - MISC C7601 DIRECTIONAL BORING/DRILLING C8405 THERMOPLASTIC TRAFFIC STRIPING & MARKING
Ethnicity: ASIAN PAC ASIAN SUB BLACK HISPANIC NAT AM OTHER
Licenses: A General Engineering Contractor
Firm Type: DBE

55 items found, displaying 21 to 40.[First/Prev] 1, 2, 3 [Next/Last]

Firm ID	Firm/DBA Name	Address	Addr	City	State	Zip	Zp	Mailing Address Line1	Mailing Address Line2	City	State	Mailing Zip Code1	Mailing Zip Code2	Certification Type	EMail	Contact Name	Are Cod
29518	FOCON, INC	610 16TH STREET, SUITE 501		OAKLAND	CA	94612		1305 FRANKLIN STREET, SUITE 501		OAKLAND	CA	94612		DBE	mseals@foc...	MICHAEL SE...	510
14717	FRANK MEDINA GENERAL ENGINEERING CONTRACTOR	10096 AHART ROAD		OROVILLE	CA	95966								DBE	toni.medin...	FRANK MEDI...	530
39575	G. RAMIREZ CONCRETE, INC.	1911 E. GERARD AVENUE		MERCED	CA	95341		23 W. ALEXANDER AVE., PMB #54		MERCED	CA	95348		DBE	gramirezco...	HELEN SCHR...	209
31176	GLOBAL ROAD SEALING, INC	10832 DOROTHY AVE		GARDEN GROVE	CA	92843								DBE	grs@global...	TRI LA	714
42780	HEIR & SON CONSTRUCTION, INC	1180 SANBORN ROAD		YUBA CITY	CA	95993		1040 LINCOLN ROAD #160		YUBA CITY	CA	95991		DBE	Heirandson...	SUKHDEV SI...	530
12174	INTERWEST PACIFIC, LTD.	990 HIGHLAND DR. STE. 212		SOLANA BEACH	CA	92075		PO BOX 1450		SOLANA BEACH	CA	92075		DBE	jack@inter...	JACK NICKO...	858
43187	J. CARDENAS INC	14455 PARK AVE, SUITE C		VICTORVILLE	CA	92392								DBE	jcardenasi...	JOSE JAVIE...	760
40008	JJ.R. CONSTRUCTION	1120 NINTH AVENUE		SAN MATEO	CA	94402								DBE	JJRCONSTRU...	CARLOS RAP...	650
447	K R C SAFETY CO. INC.	7821 WEST SUNNYVIEW		VISALIA	CA	93291								DBE	garyc@krcs...	GARY CASTR...	559
37235	KA'PEL CONSTRUCTION INC.	691 PONY EXPRESS WAY, LOT 31		BURNT RANCH	CA	95527		PO BOX 160		BURNT RANCH	CA	95527		DBE	lrobbins@k...	LANCE ERIC...	530
29429	LARRANAGA TRUCKING, INC.	2206 N. EAST STREET		ALTURAS	CA	96101		PO BOX 1604		ALTURAS	CA	96101		DBE	ltcvictori...	FERNAND LA...	530
41307	M J AVILA COMPANY, INC.	7258 W. RIALTO		FRESNO	CA	93723								DBE	brucej@mja...	MARY JO AV...	559
34783	MARTIN GENERAL ENGINEERING INC	12485 QUICKSILVER DRIVE		RANCHO CORDOVA	CA	95742								DBE	amartin@ma...	TRANQUILIN...	916
27969	MC CULLOUGH CONSTRUCTION INC	57 ALDER GROVE ROAD		ARCATA	CA	95521		57 ALDER GROVE RD		ARCATA	CA	95521		DBE	denamccull...	MACKY MCCU...	707
43095	MJD ENGINEERING	4501 RIO LINDA BLVD		SACRAMENTO	CA	95838								DBE	mario@mjde...	MARIO J. D...	916
40840	MV CONSTRUCTION, INC.	PO BOX 1575		ATWATER	CA	95301		5610 ZEINER CT.		ATWATER	CA	95301		DBE	valdez05@g...	MANUEL VAL...	209
35955	NEWLAND ENTITIES, INC	500 OLIVE STREET		MARYSVILLE	CA	95901		PO BOX 3102		YUBA CITY	CA	95992		DBE	rcervantes...	ROBERT CER...	530
27179	P. A. WILSON, INC.	9485 LA CUESTA DR		LA MESA	CA	91941		3131 INDIAN MILLS		JAMUL	CA	91935		DBE	pawilsonin...	PATRICK AL...	619
30729	PACIFIC UTILITY CONSTRUCTION	1350 E. BEAMER STREET		WOODLAND	CA	95776	6003	1350 E. BEAMER STREET		WOODLAND	CA	95776	6003	DBE	lharrison@...	JOSEPH EDW...	530
37021	PARADIGM CONSTRUCTION	5321 TERSK WAY		ELK GROVE	CA	95757		P.O. BOX 582734		ELK GROVE	CA	95758		DBE	steve@para...	STEVEN MAY...	916

Export options: CSV | Excel | XML

Back To Query Form

Mon Jun 06 10:08:28 PDT 2016

Query Criteria
County: EL DORADO NEVADA PLACER SACRAMENTO SOLANO YOLO
Work Codes: C1901 ROADWAY EXCAVATION C7301 CONCRETE CURB & SIDEWALK - MISC C7601 DIRECTIONAL BORING/DRILLING C8405 THERMOPLASTIC TRAFFIC STRIPING & MARKING
Ethnicity: ASIAN PAC ASIAN SUB BLACK HISPANIC NAT AM OTHER
Licenses: A General Engineering Contractor
Firm Type: DBE

55 items found, displaying 41 to 55.[First/Prev] 1, 2, 3 [Next/Last]

Firm ID	Firm/DBA Name	Address	Addr	City	State	Zip	Zp	Mailing Address Line1	Mailing Address Line2	City	State	Mailing Zip Code1	Mailing Zip Code2	Certification Type	EMail	Contact Name	Area Code	P Nu
33524	QUIMU CONTRACTING, INC.	695 PRIDDY DRIVE		DIXON	CA	95620		P.O. BOX 1177		DIXON	CA	95620	1177	DBE	quimu@sbcg...	MIGUEL QUI...	707	69
37684	R.A. MARTIN CONSTRUCTORS, INC	4418 ALTA MESA DR.		REDDING	CA	96002		22717 SILVERLODE LANE		PALO CEDRO	CA	96073		DBE	ramartinco...	RANDY A. M...	530	54
29435	RODGERS CONSTRUCTION & ENGINEERING CO, INC.	1807 NAVY DRIVE, SUITE 1		STOCKTON	CA	95206		PO BOX 6885		STOCKTON	CA	95206		DBE	rcande@pac...	DAN F. ROD...	209	46
37693	S.T. RHOADES CONSTRUCTION, INC.	8585 COMMERCIAL WAY		REDDING	CA	96002		P O BOX 494520		REDDING	CA	96049		DBE	steve@strh...	STEVE RHOA...	530	22
41565	SAN JOAQUIN VALLEY CONSTRUCTION GROUP, LLC	P.O. BOX 2506		BAKERSFIELD	CA	93303								DBE	marvindean...	MARVIN DEA...	661	74
30480	SANTOS EXCAVATING, INC.	643 W. 4TH AVENUE		CHICO	CA	95926		P.O. BOX 146		CHICO	CA	95927		DBE	sue@santos...	GEORGE SAN...	530	89
38758	SITE WORK SOLUTIONS	2665 BECHELLI LANE		REDDING	CA	96002		P.O. BOX 492247		REDDING	CA	96049		DBE	cwhitmer@s...	GEORGE DAN...	530	22
9241	SITEWORKS CONSTRUCTION, INC	3634 BICKERSTAFF ST		LAFAYETTE	CA	94549		PO BOX 1324		LAFAYETTE	CA	94549		DBE	kdesena@li...	KENT DESEN...	925	28
1213	STOLOSKI & GONZALEZ, INC.	727 MAIN STREET		HALF MOON BAY	CA	94019	1924							DBE	mthom@sto...	ROBERT GON...	650	72
39899	STONY CREEK GENERAL ENGINEERING	5321 COUNTY RD 206		ORLAND	CA	95963								DBE	luke@scgei...	LUKE ANDRE...	530	52
37627	SUAREZ & MUNOZ CONSTRUCTION, INC.	20975 CABOT BLVD.		HAYWARD	CA	94545	1155							DBE	john@suare...	EDUARDO SU...	510	78
39166	V A P CONSTRUCTION INC.	15705 BIRCHWOOD ST		LA MIRADA	CA	90638								DBE	arvind@vap...	ARVIND PRA...	714	25
1045	VALVERDE CONSTRUCTION, INC	10918 SHOEMAKER AVE		SANTA FE SPRINGS	CA	90670		P.O. BOX 3223		SANTA FE SPRINGS	CA	90670		DBE	joev@valve...	JOE A. VAL...	562	90
27011	VINTAGE PAVING COMPANY, INC.	119 MAIN STREET		WINTERS	CA	95694		P O BOX 461		WINTERS	CA	95694		DBE	edc@vintag...	EDWARD CAR...	530	79
41228	YBANAG REALTY & DEVELOPMENT CORP	4293 N. WEBSTER AVENUE		PERRIS	CA	92571								DBE	info@dyban...	LUCIO COLL...	951	65

Export options: CSV | Excel | XML

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:13
[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009608 Total Time: 0°03'12" Page: 001

Error occurred

Document: **doc00960820160606105935**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal
PROJECT INFO
M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:
Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:00	**5107270910**	0°00'13"	FAX	OK	200x100 Normal/On
002	06/06/16 11:01	**9163321490**	0°00'26"	FAX	OK	200x100 Normal/On
~~003~~	~~06/06/16 11:02~~	~~**6792583515**~~ wrong #	~~0°01'42"~~	~~FAX~~	~~BUSY~~	~~200x100 Normal/Off~~
004	06/06/16 11:03	**5306722411**	0°00'24"	FAX	OK	200x100 Normal/On
005	06/06/16 11:04	**5302217563**	0°00'27"	FAX	OK	200x100 Normal/On

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:25

[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009615 Total Time: 0°00'16" Page: 001

Complete

Document: **doc00961520160606112336**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal

PROJECT INFO

M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:

Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:24	**6192583515**	0°00'16"	FAX	OK	200x100 Normal/On

A

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:20

[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009610 Total Time: 0°03'01" Page: 001

Complete

Document: **doc00961020160606110925**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal
PROJECT INFO
M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:
Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
http://www.planetbids.com/portal/portal.cfm?CompanyID=15200#

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:14	**8059375473**	0°00'23"	FAX	OK	200x100 Normal/On
002	06/06/16 11:15	**5308520323**	0°00'42"	FAX	OK	200x100 Normal/Off
003	06/06/16 11:16	**7143844594**	0°00'34"	FAX	OK	200x100 Normal/Off
004	06/06/16 11:17	**5036691192**	0°00'56"	FAX	OK	200x100 Normal/On
005	06/06/16 11:19	**5305770221**	0°00'11"	FAX	OK	200x100 Normal/On
006	06/06/16 11:20	**7146463698**	0°00'15"	FAX	OK	200x100 Normal/On

2

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:28

[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009611 Total Time: 0°03'48" Page: 001

No Response

Document: **doc00961120160606111053**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal

PROJECT INFO

M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:

Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
http://www.planethids.com/portal/portal.cfm?CompanyID=16200#

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:20	**6503678282**	0°00'57"	FAX	BUSY	200x100 Normal/Off
002	06/06/16 11:22	**5104656356**	0°00'12"	FAX	OK	200x100 Normal/On
003	06/06/16 11:23	**5307439352**	0°00'57"	FAX	BUSY	200x100 Normal/Off
004	06/06/16 11:25	**7148930945**	0°00'35"	FAX	OK	200x100 Normal/Off
005	06/06/16 11:27	**9164639041**	0°00'34"	FAX	OK	200x100 Normal/Off
006	06/06/16 11:28	**8583453737**	0°00'33"	FAX	OK	200x100 Normal/Off

3

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:35

[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009612 Total Time: 0°01'35" Page: 001

Complete

Document: **doc00961220160606111403**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal

PROJECT INFO

M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:

Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:29	**5306293300**	0°00'26"	FAX	OK	200x100 Normal/On
002	06/06/16 11:30	**5302333785**	0°00'30"	FAX	OK	200x100 Normal/On
003	06/06/16 11:32	**9163558108**	0°00'14"	FAX	OK	200x100 Normal/On
004	06/06/16 11:33	**7078251769**	0°00'14"	FAX	OK	200x100 Normal/On
005	06/06/16 11:35	**5306740756**	0°00'11"	FAX	OK	200x100 Normal/On

4

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:45

[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009613 Total Time: 0°04'24" Page: 001

No Response

Document: **doc00961320160606111553**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal

PROJECT INFO

M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:

Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
[illegible]

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:36	**5306697836**	0°00'25"	FAX	OK	200x100 Normal/On
002	06/06/16 11:36	**9167146520**	0°00'57"	FAX	BUSY	200x100 Normal/Off
003	06/06/16 11:38	**7076788384**	0°00'13"	FAX	OK	200x100 Normal/On
004	06/06/16 11:39	**5305472100**	0°00'44"	FAX	OK	200x100 Normal/Off
005	06/06/16 11:41	**2094645782**	0°00'26"	FAX	OK	200x100 Normal/On
006	06/06/16 11:42	**5302239222**	0°00'51"	FAX	OK	200x100 Normal/On
007	06/06/16 11:44	**5308947767**	0°00'48"	FAX	OK	200x100 Normal/On

5

Send Result Report

MFP

TASKalfa 3501i

Firmware Version 2N9_2000.003.033 2014.05.07

06/06/2016 11:53

[2N7_1000.002.002] [2N4_1100.001.002] [2N4_7000.003.032]

Job No.: 009614 Total Time: 0°03'09" Page: 001

No Response

Document: **doc00961420160606112218**

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal
PROJECT INFO
M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:
Project name: **El Camino Avenue and Clay Street Traffic Signal**
(PN: T15165200)
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
[illegible]

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	06/06/16 11:45	**5302223337**	0°00'14"	FAX	OK	200x100 Normal/On
002	06/06/16 11:46	**9252568357**	0°00'57"	FAX	BUSY	200x100 Normal/Off
003	06/06/16 11:47	**5309885092**	0°00'33"	FAX	OK	200x100 Normal/Off
004	06/06/16 11:49	**7145519420**	0°00'28"	FAX	OK	200x100 Normal/On
005	06/06/16 11:50	**5629061918**	0°00'18"	FAX	OK	200x100 Normal/On
006	06/06/16 11:51	**5307955734**	0°00'26"	FAX	OK	200x100 Normal/On
007	06/06/16 11:52	**9516571993**	0°00'13"	FAX	OK	200x100 Normal/On

6

BID INVITATION
PROJECT OUTREACH FAX

From:
M&M Electric
1600 Auburn Blvd.
Sacramento, CA 95815
916-929-0150 Phone
916-929-1168 Fax
Email: logan@sacmmelectric.com
Estimator: Logan Teal

PROJECT INFO

M&M Electric is seeking quotes & subcontractor bids from qualified & certified MBE/WBE firms:

Project name: **El Camino Avenue and Clay Street Traffic Signal (PN: T15165200)**
Bid Date/Time: June 8th, 2016 2:00PM
Project Location: Sacramento, CA
Awarding Agency: City of Sacramento
Bid No.: **B16151131037**
Copies of prints/specs available at:
http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#
Or at our office.

PROJECT OUTREACH DESCRIPTION

M&M Electric is seeking qualified and certified M/WBE suppliers and subcontractors for the above referenced project. The following items of work have been identified as available for subcontracting: DIRECTIONAL DRILLING, SLURRY SEAL, CONCRETE CURB RAMPS, CURB & GUTTER, CONCRETE ASPHALT, SIGNING and STRIPING. Our firm will consider dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum M/WBE participation. We are an Equal Opportunity Employer.

TERMS AND REQUIREMENTS

100% Payment and Performance Bonds may be required for the full amount of subcontract. Subcontractor must possess a current contractor's license and DIR registration number. Insurance and Worker's Compensation must meet M&M's subcontract requirements. Please call to discuss any assistance required in obtaining bonding, insurance, equipment, materials and/or supplies necessary to participate in this project.

____ YES we are interested in this project. We will fax our quote before the due date and time

X NO we are not interested.

Responsible Contact Name Nichole Date: 6/6/16

Please Fax Back To: 916-929-1168 ASAP

Firm ID	Firm/DBA Name	City	State	Zip	EMail	Contact Name	Fax Area Code	Fax Area Code	Agency Name	Gender	Ethnicity	Firm Type
5270	A B S L CONSTRUCTION	HAYWARD	CA	94544	Daryl@absconstructio	LUIS M. ALLENDE	510	727-0910	DEPARTMENT	M	HISPANIC	DBE
37877	ALL PHASE CONSTRUCTION & ENGINEERING, INC.	CITRUS HEIGHTS	CA	95621	heasley@allphaseaspl	GARRY EASLEY	916	332-1490	DEPARTMENT	M	NATIVE AI	DBE
77	BERT W SALAS, INC.	SANTEE	CA	92071	bsalaz@bertsalasinc.c	BOB E. SALAZ	619	258-3515(A)	DEPARTMENT	M	HISPANIC	DBE
30173	BURKE CONSTRUCTION	SHINGLE SPRING	CA	95682	burkebid@gmail.com	MICHAEL J. BURKE	530	672-2411	DEPARTMENT	M	NATIVE AI	DBE
37820	CHARLIE'S CUSTOM EXCAVATING, INC	REDDING	CA	96002	office@ccexcavatingin	CHARLES JURIN	530	221-7563	DEPARTMENT	M	NATIVE AI	DBE
41250	CLEAR CREEK CONSTRUCTION INC.	PALO CEDRO	CA	96073	clearcreekadam@gma	ADAM HARNDEN			DEPARTMENT	M	NATIVE AI	DBE
40072	COOKS AND SON INC.	SANTA MARIA	CA	93455	cooks_son@mail.com	CHARLES E. HENDERS	805	937-5473	DEPARTMENT	M	BLACK	DBE
14982	DAVID ENGINEERING CONSTRUCTION	FORESTHILL	CA	95631	odavid@ftcnet.net	OSCAR DAVID	530	852-0323	DEPARTMENT	M	BLACK	DBE
31021	DELTECH ENGINEERING, INC	ANAHEIM	CA	92807	abili@deltechengineer	(MR.) EBBITEANGA I. A	714	384-4594	DEPARTMENT	M	BLACK	DBE
20	DIRT & AGGREGATE INTERCHANGE, INC	FAIRVIEW	OR	97024	contractor@dirtagg.co	HENRY PELFREY	503	669-1192	DEPARTMENT	M	ASIAN PA(	DBE
425	DON GARCIA EXCAVATING & PAVING, INC.	SOUTH LAKE TAH	CA	96150	dgarcia287@aol.com	MICHAEL GARCIA	530	577-0221	DEPARTMENT	M	HISPANIC	DBE
38712	DREAMBUILDER CONSTRUCTION CORP	PLACENTIA	CA	92870	alex.singh@dreambuil	ANURAG SINGH	714	646-3698	DEPARTMENT	M	ASIAN SUI	DBE
24176	EAGLE ENGINEERING AND CONSTRUCTION, INC	REDWOOD CITY	CA	94062	brooks.curtis@att.net	CURTIS BROOKS	650	367-8282	DEPARTMENT	M	BLACK	DBE
29518	FOCON, INC	OAKLAND	CA	94612	mseals@foconinc.com	MICHAEL SEALS	510	465-6356	DEPARTMENT	M	BLACK	DBE
14717	FRANK MEDINA GENERAL ENGINEERING CONTRACTOI	OROVILLE	CA	95966	toni.medina@att.net	FRANK MEDINA	530	743-9352	DEPARTMENT	M	HISPANIC	DBE
31176	GLOBAL ROAD SEALING, INC	GARDEN GROVE	CA	92843	grs@globalroadsealing	TRI LA	714	893-0945	DEPARTMENT	M	ASIAN PA(	DBE
42780	HEIR & SON CONSTRUCTION, INC	YUBA CITY	CA	95993	Heirandson@comcast	SUKHDEV SINGH HEIR	916	463-9041	DEPARTMENT	M	ASIAN SUI	DBE
12174	INTERWEST PACIFIC, LTD.	SOLANA BEACH	CA	92075	jack@interwestpacific.	JACK NICKOLAISEN	858	345-3737	DEPARTMENT	M	HISPANIC	DBE
43187	J. CARDENAS INC	VICTORVILLE	CA	92392	jcardenasinc@gmail.c	JOSE JAVIER CARDENAS			DEPARTMENT	M	HISPANIC	DBE
37235	KA'PEL CONSTRUCTION INC.	BURNT RANCH	CA	95527	lrobbins@kapelconstru	LANCE ERIC ROBBINS	530	629-3300	DEPARTMENT	M	NATIVE AI	DBE
29429	LARRANAGA TRUCKING, INC.	ALTURAS	CA	96101	ltcvictoria14@gmail.co	FERNAND LARRANAGA	530	233-3785	DEPARTMENT	M	HISPANIC	DBE
34783	MARTIN GENERAL ENGINEERING INC	RANCHO CORDO	CA	95742	amartin@martingener	TRANQUILINO MARTIN	916	355-8108	DEPARTMENT	M	HISPANIC	DBE
27969	MC CULLOUGH CONSTRUCTION INC	ARCATA	CA	95521	denamccullough@mc	MACKY MCCULLOUGH	707	825-1769	DEPARTMENT	M	NATIVE AI	DBE
43095	MJD ENGINEERING	SACRAMENTO	CA	95838	mario@mjdengineerin	MARIO J. DE SOUZA			DEPARTMENT	M	HISPANIC	DBE
35955	NEWLAND ENTITIES, INC	MARYSVILLE	CA	95901	rcervantes@newlande	ROBERT CERVANTES	530	674-0756	DEPARTMENT	M	HISPANIC	DBE
27179	P. A. WILSON, INC.	LA MESA	CA	91941	pawilsoninc@gmail.co	PATRICK ALLEN WILSON			DEPARTMENT	M	NATIVE AI	DBE
30729	PACIFIC UTILITY CONSTRUCTION	WOODLAND	CA	95776	lharrison@pacificutility	JOSEPH EDWARD SOU	530	669-7836	DEPARTMENT	M	HISPANIC	DBE
37021	PARADIGM CONSTRUCTION	ELK GROVE	CA	95757	steve@paradigmbuilt.c	STEVEN MAYS	916	714-6520	DEPARTMENT	M	BLACK	DBE
33524	QUIMU CONTRACTING, INC.	DIXON	CA	95620	quimu@sbcglobal.net	MIGUEL QUIROZ	707	678-8384	DEPARTMENT	M	HISPANIC	DBE
37684	R.A. MARTIN CONSTRUCTORS, INC	REDDING	CA	96002	ramartinconst.inc@sb	RANDY A. MARTIN	530	547-2100	DEPARTMENT	M	HISPANIC	DBE
29435	RODGERS CONSTRUCTION & ENGINEERING CO, INC.	STOCKTON	CA	95206	rcande@pacbell.net	DAN F. RODGERS	209	464-5782	DEPARTMENT	M	NATIVE AI	DBE
37693	S.T. RHOADES CONSTRUCTION, INC.	REDDING	CA	96002	steve@strhoadesinc.c	STEVE RHOADES	530	223-9222	DEPARTMENT	M	NATIVE AI	DBE
30480	SANTOS EXCAVATING, INC.	CHICO	CA	95926	sue@santosengineeri	GEORGE SANTOS	530	894-7767	DEPARTMENT	M	HISPANIC	DBE
38758	SITE WORK SOLUTIONS	REDDING	CA	96002	cwhitmer@swsgc.com	GEORGE DANIEL WHIT	530	222-3337	DEPARTMENT	M	NATIVE AI	DBE
9241	SITEWORKS CONSTRUCTION, INC	LAFAYETTE	CA	94549	kdesena@linkzone.co	KENT DESENA	925	256-8357	DEPARTMENT	M	ASIAN PA(	DBE
39899	STONY CREEK GENERAL ENGINEERING	ORLAND	CA	95963	luke@scgeinc.com	LUKE ANDREWS	530	988-5092	DEPARTMENT	M	NATIVE AI	DBE
39166	V A P CONSTRUCTION INC.	LA MIRADA	CA	90638	arvind@vapci.com	ARVIND PRASAD	714	551-9420	DEPARTMENT	M	ASIAN SUI	DBE
1045	VALVERDE CONSTRUCTION, INC	SANTA FE SPRIN(	CA	90670	joev@valverdeconst.c	JOE A. VALVERDE	562	906-1918	DEPARTMENT	M	HISPANIC	DBE
27011	VINTAGE PAVING COMPANY, INC.	WINTERS	CA	95694	edc@vintagepavingco	EDWARD CARBAHAL	530	795-5734	DEPARTMENT	M	HISPANIC	DBE
41228	YBANAG REALTY & DEVELOPMENT CORP	PERRIS	CA	92571	info@dybanagconstru	LUCIO COLLADO	951	657-1993	DEPARTMENT	F	ASIAN PA(	DBE

TITLE VI

Title VI Language

APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

(1) ***Compliance with Regulations:***
The contractor shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

(2) ***Nondiscrimination:***
The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

(3) ***Solicitations for Subcontracts, Including Procurements of Materials and Equipment:***
In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

(4) ***Information and Reports:***
The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the (Recipient) or the (Name of Appropriate Administration) to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the (Recipient), or the (Name of Appropriate Administration) as appropriate, and shall set forth what efforts it has made to obtain the information.

(5) ***Sanctions for Noncompliance:***
In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the (***Recipient***) shall impose such contract sanctions as it or the (***Name of Appropriate Administration***) may determine to be appropriate, including, but not limited to:

- **(a)** withholding of payments to the contractor under the contract until the contractor complies, and/or
- **(b)** cancellation, termination or suspension of the contract, in whole or in part.

(6) ***Incorporation of Provisions:***
The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the (***Recipient***) or the (***Name of Appropriate Administration***) may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the (***Recipient***) to enter into such litigation to protect the interests of the (***Recipient***), and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

Green Contracting Survey
(Voluntary)

The City of Sacramento and the Sacramento Metropolitan Air Quality District (SMAQMD) are conducting a joint pilot project to help meet Federal Clean Air Standards for the Sacramento region.

Attached is a Green Contracting Fleet Inventory Form. Please complete the form, remove it from the bid package and return it to SMAQMD in the postage paid envelope provided with the bid package. Please do not return the Green Contracting Fleet Inventory Form to the City of Sacramento with the bid documents or otherwise.

A limited amount of funds and other financial incentives may be available to qualified contractors participating in this joint project to assist qualified contractors with upgrading and/or replacing equipment and/or trucks.

Completing and returning the Green Contracting Fleet Inventory Form is strictly voluntary.

Voluntary Green Contracting Fleet Inventory List (On-Road Equipment)

In Partnership with the City of Sacramento and the Sacramento Metropolitan Air Quality Management District

Company Name:	
Contact Name:	
Company Address:	
City, State, ZIP:	
Company Phone:	

City Bid Information	
Department	
Project #	
ESBE/SBE?	

Instructions:

a) Please enter the vehicle / equipment information for each unit used in conjunction with your City of Sacramento Bid.
b) All fields are required for both on-road heavy-duty vehicles and off-road construction equipment over 50 HP.
c) Electronic version available at http://www.airquality.org/ceqa/index.shtml
d) For additional questions, please call (916) 874-4892

Please Submit To:

Kristian Damkier, P.E.
Sacramento Metropolitan AQMD
777 12th St, 3rd Floor
Sacramento, CA 95814-1908

#	VIN	License Plate	Vehicle Information			Engine Information				Annual Usage (miles)	Received Funding
			Make	Model	Year	Make	Model	Year	HP		
(ex)	*1XP5AAC35RG339402*	*1T45678*	*Kenworth*	*T-300*	*2002*	*Cummins*	*ISB*	*2002*	*250*	*35,000*	*No*

Voluntary Green Contracting Fleet Inventory List (Off-Road Equipment)

In Partnership with the City of Sacramento and the Sacramento Metropolitan AQMD

Company Name:	
Contact Name:	
Company Address:	
City, State, ZIP:	
Company Phone:	

	City Bid Information
Department	
Project #	
ESBE/SBE?	

Instructions:

a) Please enter the vehicle / equipment information for each unit used in conjunction with your City of Sacramento Bid.
b) All fields are required for both on-road heavy-duty vehicles and off-road construction equipment over 50 HP.
c) Electronic version is available at http://www.airquality.org/ceqa/index.shtml
d) For additional questions, please call (916) 874-4892

Please Submit To:

Kristian Damkier, P.E.
Sacramento Metropolitan AQMD
777 12th St, 3rd Floor
Sacramento, CA 95814-1908

#	Equipment Serial Number	Equipment Information				Engine Information				Annual Usage (hours)
		Make	Model	Type	Year	Make	Model	Year	HP	
(ex)	*48W34456*	*Caterpillar*	*631G*	*Scraper*	*2003*	*Caterpillar*	*3408E*	*2003*	*485*	*1,600*

FOLLOWING FORMS TO BE FILLED OUT AND SIGNED ONLY IF AWARDED CONTRACT

AGREEMENT
(Construction Contract Over $25,000)

THIS AGREEMENT, dated for identification July 19, 2016 is made and entered into between the CITY OF SACRAMENTO, a municipal corporation ("City"), and M&M Electric, 1600 Auburn Blvd, Sacramento CA 95815 ("Contractor").

The City and Contractor hereby mutually agree as follows:

1. CONTRACT DOCUMENTS

The Contract Documents, sometimes also referred to as the "Contract," consist of the following items, which are hereby incorporated by reference as if set forth in full in this Agreement:

The Notice to Contractors
The Proposal Form submitted by the Contractor
The Instructions to Bidders
The Local Business Enterprise (LBE) Requirements
The Requirements for the Non-Discrimination in Employee Benefits by City Contractors Ordinance and the Declaration of Compliance
The City's Reference Guide for Construction Contracts
The Addenda, if any
This Agreement
The Standard Specifications
The Special Provisions
The Plans and Technical Specifications
The drawings and other data and all developments thereof prepared by City pursuant to the Contract
Any modifications of any of the foregoing made or approved by City, including but not limited to duly authorized change orders.

Unless specifically noted otherwise, references to the "Standard Specifications" shall mean and refer to the Standard Specifications for Public Construction of the City of Sacramento approved by the Sacramento City Council on June 4, 2007 (Resolution No. 2007-350), and any subsequent amendments thereto approved by the Sacramento City Council or the Sacramento City Manager. Work called for in any one Contract Document and not mentioned in another is to be performed and executed as if mentioned in all Contract Documents. The table of contents, titles and headings contained in the Contract Documents are provided solely to facilitate reference to various provisions of the Contract Documents and in no way affect or limit the interpretation of the provisions to which they refer.

2. DEFINITIONS

Unless otherwise specifically provided herein, all words and phrases defined in the Standard Specifications shall have the same meaning and intent in this Agreement.

3. AGREEMENT CONTROLS

In the event of a conflict between any of the terms and conditions set forth in this Agreement and the terms and conditions set forth in other Contract Documents, the terms and conditions set forth in this Agreement shall prevail, except that the provisions of any duly authorized change order shall prevail over any conflicting provisions of this Agreement.

4. SCOPE OF CONTRACT

Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, material and transportation necessary to perform and complete in a good and workmanlike manner to the satisfaction of City, all the Work called for in the Contract Documents entitled:

El Camino Avenue & Clay Street Traffic Signal Project
(PN: T15165200)

Including the Work called for in the following alternative bid items described in the Proposal Form:

_____

Contractor agrees to perform such Work in the manner designated in and in strict conformity with the Contract Documents.

5. CONTRACT AMOUNT AND PAYMENTS

City agrees to pay and Contractor agrees to accept, as complete payment for the above Work, in accordance with the schedule and procedures set forth in the Contract Documents and subject to deductions, withholdings and additions as specified in the Contract Documents, a total sum that shall not exceed the total bid amount set forth in Contractor's Proposal Form. In addition, subject to deductions, withholdings and additions as specified in the Contract Documents, payment for individual items of the Work shall be computed as follows:

A. For items of the Work for which a lump sum price is specified in Contractor's Proposal Form, Contractor shall be paid the lump sum price(s) specified in Contractor's Proposal Form; and

B. For items of the Work for which a unit price is specified in Contractor's Proposal Form, Contractor shall be paid the sum computed at such unit price, or computed at a different price if such different price is determined by City in accordance with the Standard Specifications, based on the actual amount of each such item performed and/or furnished and incorporated in the Work; provided that in no event shall the total sum for a unit price item exceed the total bid amount set forth for such item in the Contractor's Proposal Form, unless authorized by Change Order.

6. PROGRESS PAYMENTS

Subject to the terms and conditions of the Contract, City shall cause payments to be made upon demand of Contractor as follows:

A. On or about the first of the month, the Engineer shall present to the Contractor a statement showing the amount of labor and materials incorporated in the Work through the twentieth (20) calendar day of the preceding month. After both Contractor and Engineer approve the statement in writing, and the City's labor compliance officer provides written approval, the City shall issue a certificate for ninety-five (95) percent of the amount it shall find to be due, subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations.

B. No inaccuracy or error in said monthly estimates shall operate to release Contractor from damages arising from such Work or from enforcement of each and every provision of the Contract Documents, and City shall have the right subsequently to correct any error made in any estimate for payment.

C. Contractor shall not be paid for any defective or improper Work.

D. The remaining five (5) percent of the value of the Work performed under the Contract, if unencumbered and subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations, shall be released not later than sixty (60) days after completion and final acceptance of the Work by City. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the City arising under the Contract Documents, except for disputed claims in stated amounts that the Contractor specifically reserves in writing, but only to the extent that the Contractor has complied with all procedures and requirements applicable to the presentation and processing of such claim(s) under the Contract Documents. Contractor shall be entitled to substitute securities for retention or to direct that payments of retention be made into escrow, as provided in Public Contract Code Section 22300, upon execution of the City's Escrow Agreement for Security Deposits in Lieu of Retention.

E. The parties agree that, for purposes of the timely progress payment requirements specified in Public Contract Code Section 20104.50, the date that the City receives a statement jointly approved by the Contractor and the Engineer as provided above shall be deemed to constitute the date that City receives an undisputed and properly submitted payment request from the Contractor. Progress payments not made within 30 days after this date may be subject to payment of interest as provided in Public Contract Code Section 20104.50.

F. This Contract is subject to compliance monitoring and enforcement by the California Department of Industrial Relations, as specified in California Labor Code section 1771.4.

7. RETENTION OF SUMS CHARGED AGAINST CONTRACTOR

When, under the provisions of this Contract or any applicable Laws or Regulations, City is authorized or required to withhold, deduct or charge any sum of money against Contractor, City may deduct and retain the amount of such charge from the amount of the next succeeding progress estimate(s), or from any other moneys due or that may become due Contractor from City. If, on completion or termination of the Contract, sums due Contractor are insufficient to pay City's charges, City shall have the right to recover the balance from Contractor or its Sureties.

8. COMMENCEMENT AND PROSECUTION OF WORK

Contractor shall commence the Work not later than fifteen (15) working days after the date of the written Notice to Proceed from City to Contractor and shall diligently prosecute the Work to final completion. The phase "commence the Work" means to engage in a continuous program on-site including, but not limited to, site clearance, grading, dredging, land filling and the fabrications, erection, or installation of the Work. The Notice to Proceed shall be issued within fifteen (15) calendar days following execution of the Agreement by the City and the filing by Contractor of the required Bonds and proof of insurance, provided that the Engineer may delay issuance of the Notice to Proceed if the Engineer determines in the Engineer's sole discretion that conditions on the site of the Work are unsuitable for commencement of the Work. After the Notice to Proceed is issued, the continuous prosecution of Work by Contractor shall be subject only to Excusable Delays as defined in this Agreement.

9. TIME OF COMPLETION

The entire Work shall be brought to completion in the manner provided for in the Contract Documents on or before **40 WORKING DAYS** from the date of the Notice to Proceed (hereinafter called the "Completion Date") unless extensions of time are granted in accordance with the Contract Documents.

Failure to complete the entire Work by the Completion Date and in the manner provided for in the Contract Documents shall subject Contractor to liquidated damages as provided in this Agreement. Time is and shall be of the essence in the performance of the Contract and the Work.

10. PAYMENTS DO NOT IMPLY ACCEPTANCE OF WORK

The payment of any progress payment, or the acceptance thereof by Contractor, shall not constitute acceptance of the Work or any portion thereof and shall in no way reduce the liability of Contractor to replace unsatisfactory work or material, whether or not the unsatisfactory character of such work or material was apparent or detected at the time such payment was made.

11. ACCEPTANCE NOT RELEASE

Contractor shall correct immediately any defective or imperfect work or materials that may be discovered before final acceptance of the entire Work, whether or not such defect or imperfection was previously noticed or identified by the City. The inspection of the Work, or any part thereof, shall not relieve Contractor of any of its obligations to perform satisfactory work as herein specified.

Failure or neglect on the part of City or any of its officers, employees or authorized agents to discover, identify, condemn or reject defective or imperfect work or materials shall not be construed to imply an acceptance of such work or materials, if such defect or imperfection becomes evident at any time prior to final acceptance of the entire Work, nor shall such failure or neglect be construed as barring City from enforcing Contractor's warranty(ies) or otherwise recovering damages or such a sum of money as may be required to repair or rebuild the defective or imperfect work or materials whenever City may discover the same, subject only to any statutes of limitation that may apply to any such claim.

12. CITY'S RIGHT TO TAKE POSSESSION OF THE WORK IN WHOLE OR IN PART

The City shall have the right at any time to enter upon the Work and perform work not covered by this Contract, or to occupy and use a portion of the Work, prior to the date of the final acceptance of the Work as a whole, without in any way relieving Contractor of any obligations under this Contract.

13. NO WAIVER OF REMEDIES

Neither the inspection by City, its officers, employees or agents, nor any certificate or other approval for the payment of money, nor any payment for, nor acceptance of the whole or any part of the Work by City, nor any extensions of time, nor any position taken by City, its officers, employees or its agents shall operate as a waiver of any provision of the Contract Documents nor of any power herein reserved to City or any right to damages herein provided, nor shall any waiver of any breach of this Agreement be held to be a waiver of any other or subsequent breach. All remedies provided in the Contract Documents shall be taken and construed as cumulative; in addition to each and every other remedy herein provided, the City shall have any and all equitable and legal remedies that it would in any case have.

14. WARRANTY

Except as otherwise expressly provided in the Contract Documents, and excepting only items of routine maintenance, ordinary wear and tear and unusual abuse or neglect by City, Contractor warrants and guarantees all Work executed and all supplies, materials and devices of whatsoever nature incorporated in or attached to the Work, or otherwise provided as a part of the Work pursuant to the Contract, to be absolutely free of all defects of workmanship and materials for a period of one year after final acceptance of the entire Work by the City. Contractor shall repair or replace all work or material, together with any

other work or material that may be displaced or damaged in so doing, that may prove defective in workmanship or material within this one year warranty period without expense or charge of any nature whatsoever to City.

In the event that Contractor shall fail to comply with the conditions of the foregoing warranty within ten (10) days after being notified of the defect in writing, City shall have the right, but shall not be obligated, to repair, or obtain the repair of, the defect and Contractor shall pay to City on demand all costs and expense of such repair. Notwithstanding anything herein to the contrary, in the event that any defect in workmanship or material covered by the foregoing warranty results in a condition that constitutes an immediate hazard to public health or safety, or any property interest, or any person, City shall have the right to immediately repair, or cause to be repaired, such defect, and Contractor shall pay to City on demand all costs and expense of such repair. The foregoing statement relating to hazards to health, safety or property shall be deemed to include both temporary and permanent repairs that may be required as determined in the sole discretion and judgment of City.

In addition to the above, the Contractor shall make a written assignment of all manufacturer's and other product warranties to the City, prior to completion and final acceptance of the Work by City.

The Contractor's Performance Bond shall secure the performance of the Contractor's obligations under this Section 14, and the Contractor and its Surety shall be jointly and severally liable for these obligations.

15. LIQUIDATED DAMAGES IF WORK NOT COMPLETED ON TIME

A. The actual fact of the occurrence of damages and the actual amount of the damages that City would suffer if the entire Work, and/or any specified portion thereof, were not completed within the time(s) specified herein are dependent upon many circumstances and conditions that could prevail in various combinations, and for this reason, it is impracticable and extremely difficult to fix the actual damages. Damages that City would suffer in the event of such delay include: loss of the use of the project; expenses of prolonged assignment to the project of an architectural and/or engineering staff; prolonged costs of administration, inspection, and supervision; increased operational expenses and/or impaired operation of other facilities dependent upon completion of the project; and the loss and inconvenience suffered by the public within the City of Sacramento by reason of the delay in the completion of the project or portion thereof. Accordingly, the parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the amount(s) set forth herein as liquidated damages reflect the parties' best efforts at the time of entering into the Contract to estimate the damages that may be incurred by City and the public due to the Contractor's delay in completion of the Work and/or any specified portion thereof, and shall be presumed to be the amount of damages sustained by the failure of Contractor to complete the entire Work and/or any specified portion thereof within the time(s) specified herein.

B. Contractor shall pay liquidated damages to City for failure to complete the entire Work by the Completion Date (as extended in accordance with the Contract Documents, if applicable) in the amount of **$1,200.00 for each working day** after the Completion Date (as extended in accordance with the Contract Documents, if applicable), continuing to the time at which the entire Work is completed. Such amount is the actual cash value agreed upon by the City and Contractor as the loss to City and the public resulting from Contractor's default.

The parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the foregoing provisions provide for the imposition of liquidated damages from the Completion Date (as extended in accordance with the Contract Documents, if applicable) until the date of completion of the entire Work as determined by the Engineer in accordance with Section 8-4 of the Standard Specifications, whether or not the Work or any portion thereof is claimed or determined to be substantially complete prior to such date of completion.

C. In the event Contractor shall become liable for liquidated damages, City, in addition to all other remedies provided by law, shall have the right to withhold any and all payments that otherwise would be or become due Contractor until the liability of Contractor under this section is finally determined. City shall have the right to use and apply such payments, in whole or in part, to reimburse City for all liquidated damages due or to become due to City. Any remaining balance of such payments shall be paid to Contractor only after discharge in full of all liability incurred by Contractor under this section or otherwise under any provision of the Contract Documents or any applicable Law or Regulation. If the sum so retained by City is not sufficient to discharge all such liabilities of Contractor, Contractor shall continue to remain liable to City until all such liabilities are satisfied in full. No failure by City to withhold any payment as specified above shall in any manner be construed to constitute a release of any such liabilities nor a waiver of the City's right to withhold payment for such liabilities.

16. INDEMNITY AND HOLD HARMLESS

A. Contractor shall defend, hold harmless and indemnify the City, its officers, employees, and agents, and each and every one of them, from and against any and all actions, damages, costs, liabilities, claims, demands, losses, judgments, penalties, costs and expenses of every type and description, whether arising on or off the site of the Work, including, but not limited to, any fees and/or costs reasonably incurred by City's staff attorneys or outside attorneys and any fees and expenses incurred in enforcing this provision (hereafter collectively referred to as "Liabilities"), including but not limited to Liabilities arising from personal injury or death, damage to personal, real or intellectual property or the environment, contractual or other economic damages, or regulatory penalties, arising out of or in any way connected with performance of or failure to perform the Work by the Contractor, any subcontractor or agent, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may

be liable, whether or not (i) such Liabilities are caused in part by a party indemnified hereunder, or (ii) such Liabilities are litigated, settled or reduced to judgment; provided that the foregoing indemnity does not apply to liability for damages for death or bodily injury to persons, injury to property, or other loss, damage or expense to the extent arising from (i) the sole negligence or willful misconduct of, or defects in design furnished by, City, its agents, servants, or independent contractors who are directly responsible to City, or (ii) the active negligence of City.

B. The existence or acceptance by City of any of the insurance policies or coverages described in this Agreement shall not affect or limit any of City's rights under this Section 16, nor shall the limits of such insurance limit the liability of Contractor hereunder. The provisions of this Section 16 shall survive any expiration or termination of the Contract.

17. CONTRACTOR SHALL ASSUME RISKS

Until the completion and final acceptance by City of all Work under this Contract, the Work shall be under Contractor's responsible care and charge, and Contractor, at no cost to City, shall rebuild, repair, restore and make good all injuries, damages, re-erections, and repairs occasioned or rendered necessary by accidental causes of any nature, to all or any portions of the Work.

18. GENERAL LIABILITY OF CONTRACTOR

Except as otherwise herein expressly stipulated, Contractor shall perform all the Work and furnish all the labor, materials, tools, equipment, apparatus, facilities, transportation, power and light, and appliances, necessary or proper for performing and completing the Work herein required in the manner and within the time herein specified. The mention of any specific duty or liability of Contractor shall not be construed as a limitation or restriction of any general liability or duty of Contractor, and any reference to any specific duty or liability shall be construed to be solely for the purpose of explanation.

19. INSURANCE

During the entire term of the Contract, Contractor shall maintain the insurance coverage described in this Section 19.

Full compensation for all premiums that Contractor is required to pay for the insurance coverage described herein shall be included in the compensation specified for the Work performed by Contractor under this Contract. No additional compensation will be provided for Contractor's insurance premiums. Any available insurance proceeds in excess of the specified minimum limits and coverages shall be available to the City.

It is understood and agreed by the Contractor that its liability to the City shall not in any way be limited to or affected by the amount of insurance coverage required or carried

by the Contractor in connection with this Contract.

A. Minimum Scope & Limits of Insurance Coverage

(1) Commercial General Liability Insurance providing coverage at least as broad as ISO CGL Form 00 01 on an occurrence basis for bodily injury, including death, of one or more persons, property damage, and personal injury, arising out of activities performed by or on behalf of Contractor and its subcontractors, products and completed operations of Contractor and its subcontractors, and premises owned, leased, or used by Contractor and its subcontractors, with limits of not less than one million dollars ($1,000,000) per occurrence. The policy shall provide contractual liability and products and completed operations coverage for the term of the policy.

(2) Automobile Liability Insurance providing coverage at least as broad as ISO Form CA 00 01 for bodily injury, including death, of one or more persons, property damage, and personal injury, with limits of not less than one million dollars ($1,000,000) per accident. The policy shall provide coverage for owned, non-owned, and/or hired autos as appropriate to the operations of the Contractor.

No automobile liability insurance shall be required if Contractor completes the following certification:

"I certify that a motor vehicle will not be used in the performance of any work or services under this agreement." _____ (Contractor initials)

(3) Workers' Compensation Insurance with statutory limits, and Employers' Liability Insurance with limits of not less than one million dollars ($1,000,000). The Workers' Compensation policy shall include a waiver of subrogation in favor of the City.

No Workers' Compensation insurance shall be required if Contractor completes the following certification:

"I certify that my business has no employees, and that I do not employ anyone. I am exempt from the legal requirements to provide Workers' Compensation insurance." _____ (Contractor initials)

B. Additional Insured Coverage

(1) Commercial General Liability Insurance: The City, its officials, employees, and volunteers shall be covered by policy terms or endorsement as additional insureds as respects general liability arising out of: activities performed by or on behalf of Contractor and its subcontractors; products and completed operations of Contractor and its subcontractors; and premises owned, leased, or used by Contractor and its subcontractors.

(2) Automobile Liability Insurance: The City, its officials, employees, and volunteers shall be covered by policy terms or endorsement as additional insureds as respects auto liability.

C. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

(1) Contractor's insurance coverage, including excess insurance, shall be primary insurance as respects City, its officials, employees, and volunteers. Any insurance or self-insurance maintained by City, its officials, employees, or volunteers shall be in excess of Contractor's insurance and shall not contribute with it.

(2) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its officials, employees, or volunteers.

(3) Coverage shall state that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) City will be provided with thirty (30) days written notice of cancellation or material change in the policy language or terms.

D. Acceptability of Insurance

Insurance shall be placed with insurers with a Bests' rating of not less than A:VI. Self-insured retentions, policy terms or other variations that do not comply with the requirements of this Section 3 must be declared to and approved by the City in writing prior to execution of this Contract.

E. Verification of Coverage

(1) Contractor shall furnish City with certificates and required endorsements evidencing the insurance required. The certificates and endorsements shall be forwarded to the City representative named in Exhibit A. Copies of policies shall be delivered to the City on demand. Certificates of

insurance shall be signed by an authorized representative of the insurance carrier.

(2) For all insurance policy renewals during the term of this Contract, Contractor shall send insurance certificates reflecting the policy renewals directly to:

City of Sacramento
c/o Ebix RCS
Reference #: (This number will be provided by EBIX after Contract approval.)
PO Box 257
Portland, MI 48875-0257

Insurance certificates also may be faxed to (770) 325-3340, or e-mailed to:
CertsOnly-Portland@ebix.com

(3) The City may withdraw its offer of contract or cancel this Contract if the certificates of insurance and endorsements required have not been provided prior to execution of this Contract. The City may withhold payments to Contractor or cancel the Contract if the insurance is canceled or Contractor otherwise ceases to be insured as required herein.

F. Subcontractors

Contractor shall require and verify that all subcontractors maintain insurance coverage that meets the minimum scope and limits of insurance coverage specified in subsection A, above.

20. FAILURE TO MAINTAIN BONDS OR INSURANCE

If, at any time during the performance of this Contract, Contractor fails to maintain any item of the bonds and/or insurance required under the Contract in full force and effect, Contractor shall immediately suspend all work under the Contract and notify City in writing of such failure. After such notice is provided, or if City discovers such failure and notifies Contractor, the City thereafter may withhold all Contract payments due or that become due until notice is received by City that such bonds and/or insurance have been restored in full force and effect and that the premiums therefor have been paid for a period satisfactory to the Division of Risk Management. Contractor shall not resume work until notified by City to do so, and the City shall have no responsibility or liability for any costs incurred by Contractor as a result of such suspension of Work.

In addition to the foregoing, any failure to maintain any item of the required bonds and/or insurance at any time during the performance of this Contract will be sufficient cause for termination of the Contract by City.

The Contractor shall be solely responsible for, and shall defend, indemnify and hold harmless the City, its officers, employees and agents against and from, any and all damages, claims, losses, actions, costs or other expenses of any kind incurred by any party as a direct or indirect result of any suspension of Work or termination of the Contract under the provisions of this Section.

21. EXCUSABLE DELAYS

For the purpose of these Contract Documents, the term "Excusable Delay" shall mean, and is limited to, delay caused directly by: acts of God; acts of a public enemy; fires; inclement weather as determined by the Engineer; riots; insurrections; epidemics; quarantine restrictions; strikes; lockouts; sitdowns; acts of a governmental agency; priorities or privileges established for the manufacture, assemble, or allotment of materials necessary in the Work by order, decree or otherwise of the United States or by any department, bureau, commission, committee, agent, or administrator of any legally constituted public authority; changes in the Work ordered by City insofar as they necessarily require additional time in which to complete the Work; the prevention of Contractor from commencing or prosecuting the Work because of the acts of others, excepting Contractor's subcontractors or suppliers; or the prevention of Contractor from commencing or prosecuting the Work because of a Citywide failure of public utility service.

The term "Excusable Delay" shall specifically <u>not</u> include: (i) any delay that could have been avoided by the exercise of care, prudence, foresight and diligence on the part of Contractor; (ii) any delay in the prosecution of any part of the Work that does not constitute a Controlling Operation, whether or not such delay is unavoidable; (iii) any reasonable delay resulting from time required by City for review of any Contractor submittals and for the making of surveys, measurements and inspection; and, (iv) any delay arising from an interruption in the prosecution of the Work on account of reasonable interference by other Contractors employed by City that does not necessarily prevent the completion of the entire Work within the time specified. Excusable Delays, if any, shall operate only to extend the Completion Date (not in excess of the period of such delay as determined by City) and shall not under any circumstances increase the amount City is required to pay Contractor except as otherwise provided in these Contract Documents.

22. CONTRACTOR TO SERVE NOTICE OF DELAYS

Whenever Contractor foresees any delay in the prosecution of the Work, and in any event as soon as possible (not to exceed a period of ten (10) calendar days) after the initial occurrence of any delay that Contractor regards as or may later claim to be an Excusable Delay, the Contractor shall notify the Engineer in writing of such delay and its cause, in order that the Engineer: (i) may take immediate steps to prevent if possible the occurrence or continuance of the delay; or (ii) if this cannot be done, may determine whether the delay is to be considered excusable, how long it continues, and to what extent the prosecution

and completion of the Work are delayed thereby. Said written notice shall constitute an application for an extension of time only if the notice requests such an extension and sets forth the Contractor's estimate of the additional time required together with a full description of the cause of the delay relied upon.

After the completion of any part or whole of the Work, the Engineer, in estimating the amount due Contractor, will assume that any and all delays that may have occurred in its prosecution and completion were not Excusable Delays, except for such delays for which the Contractor has provided timely written notice as required herein, and that the Engineer has found to be excusable. Contractor shall not be entitled to claim Excusable Delay for any delay for which the Contractor failed to provide such timely written notice.

23. EXTENSION OF TIME

If the Contractor complies with Section 22, above, and the Engineer finds a delay claimed by the Contractor to be an Excusable Delay, the Contractor shall be allowed an extension of time to complete the Work that is proportional to the period of Excusable Delay determined by the Engineer, subject to the approval by City of a change order granting such time extension. During a duly authorized extension for an Excusable Delay, City shall not charge liquidated damages against the Contractor for such delay.

If the City extends the time to complete the Work as provided herein, such extension shall in no way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such extension of time relieve or release the sureties of the Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such extension of time. The granting of any extension of time as provided herein shall in no way operate as a waiver on the part of City of its rights under this Contract, excepting only extension of the Completion Date for such period of Excusable Delay as may be determined by the Engineer and approved by a duly authorized change order.

24. NO PAYMENT FOR DELAYS

No damages or compensation of any kind shall be paid to Contractor or any subcontractor because of delays in the progress of the Work whether or not such delays qualify for extension of time under this Agreement; except that this provision shall not preclude the recovery of damages for a delay caused by the City that is unreasonable under the circumstances and that is not within the contemplation of the parties, provided that the Contractor timely submits all such written notice(s) and fully complies with such other procedures as may be specified in the Contract Documents or any Laws or Regulations for Contractor to claim damages for such delay.

25. CHANGES IN THE WORK

Changes in the Work authorized or directed in accordance with the Contract Documents and extensions of time of completion made necessary by reason thereof shall not in any way release any warranty or guarantee given by Contractor pursuant to the provisions of

the Contract Documents, nor shall such changes in the Work relieve or release the Sureties on Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such change in Work and to any extension of time made by reason thereof.

26. TERMINATION AFTER COMPLETION DATE

In addition to any other rights City may have, if any services or work required under the Contract (including but not limited to punch list items) are not completed as of the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), City may terminate the Contract at any time after the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), by providing a written notice to Contractor specifying the date of termination. Such notice also may specify conditions or requirements that Contractor must meet to avoid termination of the Contract on such date. If Contractor fails to fulfill all such conditions and requirements by such termination date, or, if no such conditions or requirements are specified, Contractor shall cease rendering services and performing work on such termination date, and shall not be entitled to receive any compensation for services rendered or work performed after such termination date. In the event of such termination, Contractor shall remain liable to City for liquidated damages incurred for any period of time prior to the termination date.

In addition to any other charges, withholdings or deductions authorized under the Contract or any Laws or Regulations, if City terminates the Contract pursuant to this section, City may withhold and deduct from any payment and/or retention funds otherwise due Contractor any sum necessary to pay the City's cost of completing or correcting, or contracting for the completion or correction of, any services or work under the Contract that are not completed to the satisfaction of the City or that otherwise are deficient or require correction as of such termination date, including but not limited to incomplete punch list items. Such costs shall include all of the City's direct and indirect costs incurred to complete or correct such services or work, including the City's administrative and overhead costs. If the amount of payment(s) and/or retention funds otherwise due the Contractor are insufficient to pay such costs, City shall have the right to recover the balance of such costs from the Contractor and/or its Surety(ies).

27. TERMINATION FOR CONVENIENCE

Upon written notice to the Contractor, the City may at any time, without cause and without prejudice to any other right or remedy of the City, elect to terminate the Contract for the convenience of City. In such case, the Contractor shall be paid (without duplication of any items, and after deduction and/or withholding of any amounts authorized to be deducted or withheld by the Contract Documents or any Laws or Regulations):

A. For Work executed in accordance with the Contract Documents prior to the effective date of termination and determined to be acceptable by the Engineer, including fair and reasonable sums for overhead and profit on such Work;

B. For reasonable claims, costs, losses, and damages incurred in settlement of terminated contracts with subcontractors, suppliers, and others; and

C. For reasonable expenses directly attributable to termination.

Contractor shall not be paid for any loss of anticipated profits or revenue for any Work not performed prior to termination, nor for any economic loss arising out of or resulting from such termination, except for the payments listed in this section. Contractor's warranty under Section 14 of this Agreement shall apply, and Contractor shall remain responsible for all obligations related to such warranty, with respect to all portions of the Work performed prior to the effective date of the termination for convenience pursuant to this section. The City shall be entitled to have any or all remaining Work performed by other contractors or by any other means at any time after the effective date of a termination for convenience pursuant to this section.

28. TERMINATION FOR BREACH OF CONTRACT

If Contractor abandons the Work under this Contract, or if the Contract or any portion of the Contract is sublet or assigned without the consent of the City, or if the Engineer determines in the Engineer's sole discretion that the conditions of the Contract in respect to the rate of progress of the Work are not being fulfilled or any part thereof is unnecessarily delayed, or if Contractor violates or breaches, or fails to execute in good faith, any of the terms or conditions of the Contract, or if Contractor refuses or fails to supply enough properly skilled labor or materials or refuses or fails to make prompt payment to subcontractors for material or labor, or if Contractor disregards any Laws or Regulations or proper instruction or orders of the Engineer, then, notwithstanding any provision to the contrary herein, the City may give Contractor and its Sureties written notification to immediately correct the situation or the Contract shall be terminated.

In the event that such notice is given, and, in the event such situation is not corrected, or arrangements for correction satisfactory to the City are not made, within ten (10) calendar days from the date of such notice or within such other period of time as may be specified by the City in the notice, the Contract shall upon the expiration of said period cease and terminate. In the event of any such termination, City may take over the Work and prosecute the Work to completion, or otherwise, and the Contractor and its Sureties shall be liable to City for any cost occasioned City thereby, as hereinafter set forth.

In the event City completes the Work, or causes the Work to be completed, no payment of any kind shall be made to Contractor until the Work is complete. The cost of completing the Work, including but not limited to, extra costs of project administration and management incurred by City, both direct or indirect, shall be deducted from any sum then due, or that becomes due, to Contractor from City. If sums due to Contractor from City are less than the cost of completing the Work, Contractor and its Sureties shall pay City a sum equal to this difference on demand. In the event City completes the Work, and there is a sum remaining due to Contractor after City deducts the costs of completing the Work, then City shall pay such sum to Contractor. The Contractor and Contractor's Sureties shall be jointly and severally liable for all obligations imposed on Contractor hereunder.

No act by City before the Work is finally accepted, including, but not limited to, exercise of other rights under the Contract, actions at law or in equity, extensions of time, payments, assessments of liquidated damages, occupation or acceptance of any part of the Work, waiver of any prior breach of the Contract or failure to take action pursuant to this section upon the happening of any prior default or breach of Contractor, shall be construed to be a waiver or estoppel of the City's right to act pursuant to this Section upon any subsequent event, occurrence or failure by Contractor to fulfill the terms and conditions of the Contract. The rights of City to terminate the Contract pursuant to this Section and pursuant to Sections 26 and 27 are cumulative and are in addition to all other rights of City pursuant to the Contract and at law or in equity.

29. CONTRACTOR BANKRUPT

If Contractor should commence any bankruptcy proceeding, or if Contractor is adjudged a bankrupt, or if Contractor makes any assignment for the benefit of creditors, or if a receiver is appointed on account of Contractor's insolvency, then the City may, without prejudice to any other right or remedy, terminate the Contract and complete the work by giving notice as provided in Section 28 above.

30. SURETIES' OBLIGATIONS UPON TERMINATION

If the City terminates the Contract pursuant to Section 28 or Section 29 above:

A. The Surety under Contractor's performance bond shall be fully responsible for all of the Contractor's remaining obligations of performance under the Contract as if the Surety were a party to the Contract, including without limitation Contractor's obligations, as provided in the Contract Documents, to complete and provide a one-year warranty of the entire Work, pay liquidated damages and indemnify, defend and hold harmless City, up to the full amount of the performance bond.

B. The Surety under Contractor's payment bond shall be fully responsible for the performance of all of the Contractor's remaining payment obligations for work, services, equipment or materials performed or provided in connection with the Work or any portion thereof, up to the full amount of the payment bond.

31. ACCOUNTING RECORDS OF CONTRACTOR

During performance of the Contract and for a period of three (3) years after completing the entire Work, Contractor shall maintain all accounting and financial records related to the Contract and performance of the Work in accordance with generally accepted accounting practices, and shall keep and make such records available for inspection and audit by representatives of the City upon reasonable written notice.

32. USE TAX REQUIREMENTS

During the performance of this Agreement, CONTRACTOR, for itself, its assignees and

successors in interest, agrees as follows:

A. Use Tax Direct Payment Permit: For all leases and purchases of materials, equipment, supplies, or other tangible personal property used to perform the Agreement and shipped from outside California, the Contractor and any subcontractors leasing or purchasing such materials, equipment, supplies or other tangible personal property shall obtain a Use Tax Direct Payment Permit from the California State Board of Equalization ("SBE") in accordance with the applicable SBE criteria and requirements.

B. Sellers Permit: For any construction contract and any construction subcontract in the amount of $5,000,000 or more, Contractor and the subcontractor(s) shall obtain sellers permits from the SBE and shall register the jobsite as the place of business for the purpose of allocating local sales and use tax to the City. Contractor and its subcontractors shall remit the self-accrued use tax to the SBE, and shall provide a copy of each remittance to the City.

C. The above provisions shall apply in all instances unless prohibited by the funding source for the Agreement.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement on the date set for opposite their names.

CONTRACTOR

Under penalty of perjury, I certify that the taxpayer identification number and all other information provided here are correct.

DATE 6/20/2016

BY Andy Daugherty

Andrey J Daugherty

Print Name

President

Title

BY Connie Gisler

Connie Gisler

Print Name

Sec/Treas

Title

94-1711147

Federal ID#

188-4152-8

State ID#

City of Sacramento Business Operation Tax Certificate No. (City will not award contract until Certificate Number is obtained)

Type of Business Entity *(check one)*:

_____ Individual/Sole Proprietor
_____ Partnership
___✓___ Corporation
_____ Limited Liability Company
_____Other (*please specify:*_____)

CITY OF SACRAMENTO
a municipal corporation

DATE _____

BY _____
JERRY WAY, Director of Public Works
FOR
JOHN SHIREY, City Manager

Original Approved As To Form:

_____
City Attorney

_____
City Clerk

Premium is for Contract Term and is Subject to Adjustment Based on Final Contract Price

CITY OF SACRAMENTO
PERFORMANCE BOND
Department of Public Works
Page 1 of 1

Executed in Duplicate

Bond No.: 070021958
Premium: $2,274.00

WHEREAS, the City of Sacramento, State of California, hereinafter called City, has conditionally awarded to: M&M Electric, 1600 Auburn Blvd, Sacramento CA 95815
as principal, hereinafter called Contractor, a contract for construction of:

El Camino Avenue & Clay Street Traffic Signal Project (PN: T15165200)

which contract is by reference incorporated herein and made a part hereof as if the Surety named below were a party to the contract, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract, Contractor is required to furnish a bond for the faithful performance of the Contract.

NOW, THEREFORE, we the Contractor and *(here insert full name and address of Surety)*:
The Ohio Casualty Insurance Company, 62 Maple Avenue, Keene, NH 03431,
a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, as obligee, in the sum of: TWO HUNDRED EIGHTY SEVEN THOUSAND ONE HUNDRED SEVEN DOLLARS ($287,107.00), for the payment of which sum well and truly to be made, we the Contractor and Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally. The condition of this obligation is such that, if the Contractor, Contractor's heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and fully perform all covenants, conditions and agreements required to be kept and performed by Contractor in the Contract and any changes, additions or alterations made thereto, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meanings, and shall indemnify and save harmless the City, its officers, employees and agents, as therein provided, then the Surety's obligations under the Contract and this bond shall be null and void; otherwise they shall be and remain in full force and effect. This obligation shall remain in full force and effect through the end of the Contract warranty period, which will expire one year after the completion of work date specified in the Notice of Completion filed for the above-named project.

As part of the obligations secured hereby and in addition to the sum specified above, there shall be included all costs, expenses and fees, including attorney's fees, reasonably incurred by City in successfully enforcing such obligations, all to be taxed as costs and included in any judgment rendered.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on July 19, 2016.

M & M Electric
(Contractor) (Seal)
By Andy Vaughn
Title President

ORIGINAL APPROVED AS TO FORM:
City Attorney

The Ohio Casualty Insurance Company
(Surety) (Seal)
By
Title Jana B. Pilgard, Attorney in Fact
Agent Name and Address
**See Below
Agent Phone # Robert Laux 1-916-782-6637
Surety Phone # Stacy Ross 1-415-537-2513
California License # 0G13571

**Buschmann, Buschmann & Laux Surety Insurance Services LLC
300 Harding Blvd., Suite 209, Roseville, CA 95678

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Placer)

On June 17, 2016 before me, Kathy Rangel, Notary Public
(insert name and title of the officer)

personally appeared Jana B. Pilgard,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

KATHY RANGEL
COMM. # 2007083
NOTARY PUBLIC • CALIFORNIA
PLACER COUNTY
Comm. Exp. FEB. 11, 2017
MGC1

Signature Kathy Rangel **(Seal)**

Premium is for Contract Term and is Subject
to Adjustment Based on Final Contract Price

CITYOF SACRAMENTO
PAYMENT BOND
Department of Public Works
Page 1 of 1

Executed in Duplicate

Bond No.: 070021958
Premium: Included

WHEREAS, the City of Sacramento, in the State of California, hereinafter called City, has conditionally awarded to: M&M Electric, 1600 Auburn Blvd, Sacramento CA 95815
hereinafter called Contractor, a contract for construction of:

El Camino Avenue & Clay Street Traffic Signal Project (PN: T15165200)

Which contract is by reference incorporated herein and made a part hereof, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract and pursuant to Chapter 5 of Title 3 of Part 6 of Division 4 of the California Civil Code (commencing with Civil Code Section 9550), Contractor is required to furnish a good and sufficient payment bond to secure payment of the claims to which reference is made in Civil Code Section 9554.

NOW, THEREFORE, we the Contractor and (*here insert full name and address of Surety*):
The Ohio Casualty Insurance Company, 62 Maple Avenue, Keene, NH 03431,
a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, and unto all persons or entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions in the sum of TWO HUNDRED EIGHTY SEVEN THOUSAND ONE HUNDRED SEVEN DOLLARS ($287,107.00), on the condition that if Contractor shall fail to pay for any materials or equipment furnished or used in performance of the Contract, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board or the Employment Development Department from the wages of employees of the Contractor and all subcontractors with respect to such work or labor, then the Surety shall pay the same in an amount not exceeding the sum specified above. If suit is brought upon this bond, Surety shall pay, in addition to the above sum, all costs, expenses and fees, including attorney's fees, reasonably incurred by any party in successfully enforcing the obligation secured hereby, all to be taxed as costs and included in any judgment rendered. Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect, and shall bind Contractor, Surety, their heirs, executors, administrators, successors and assigns, jointly and severally.

It is hereby stipulated and agreed that this bond shall inure to the benefit of all persons, companies, corporations, political subdivisions, State agencies and other entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions, so as to give a right of action to them or their assigns in any suit brought upon this bond. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on July 19, 20 16.

M & M Electric
(Contractor) (Seal)
By
Title President

ORIGINAL APPROVED AS TO FORM:
City Attorney

The Ohio Casualty Insurance Company
(Surety) (Seal)
By:
Title: Jana B. Pilgard, Attorney in Fact
Agent name and Address:
**See Below
Agent Phone #: Robert Laux 1-916-782-6637
Surety Phone #: Stacy Ross 1-415-537-2513
California License # 0G13571

**Buschmann, Buschmann & Laux Surety Insurance Services LLC
300 Harding Blvd., Suite 209, Roseville, CA 95678

Effective 7-1-12

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Placer)

On June 17, 2016 before me, Kathy Rangel, Notary Public
(insert name and title of the officer)

personally appeared Jana B. Pilgard,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MGC1 KATHY RANGEL
COMM. # 2007083
NOTARY PUBLIC • CALIFORNIA
PLACER COUNTY
Comm. Exp. FEB. 11, 2017 MGC1

Signature Kathy Rangel **(Seal)**

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.
This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7347694

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Dona Lisa Buschmann; J. Buschmann; Jana B. Pilgard; Kathy Rangel; Robert D. Laux

all of the city of Roseville, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 27th day of April, 2016.

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 27th day of April, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of July, 2016.

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Construction and Demolition (C&D) Debris Recycling Requirements

As a condition of receiving this Contract, Contractor agrees to fully comply with the requirements specified herein for all demolition projects, as well as projects with a valuation of $250,000 or more:

1. **Definitions**. For purposes of this section, the following terms, words and phrases shall have the following meanings:

"Certified C&D sorting facility" means a facility that receives C&D debris and/or processes C&D debris into its component material types for reuse, recycling, and disposal of residuals and possesses a valid certificate as a C&D sorting facility from the Sacramento Regional County Solid Waste Authority.

"Construction and demolition debris" or "C&D debris" means used or commonly discarded materials resulting from construction, repair, remodel or demolition operations on any pavement, house, building, or other structure, or from landscaping that are not hazardous as defined in California Health and Safety Code section 25100 et seq. Such materials include, but are not limited to, concrete, asphalt, wood, metal, brick, dirt, sand, rock, gravel, plaster, glass, gypsum wallboard, cardboard and other associated packaging, roofing material, ceramic tile, carpeting, masonry, plastic pipe, trees, and other vegetative matter resulting from land clearing and landscaping.

"Divert" or "diversion" means to use materials for any purpose other than disposal in a landfill or transformation facility. Methods to divert materials include on-site reuse of the materials, delivery of materials from the project site to a certified C&D sorting facility or a recycling facility, or other methods as approved in regulations promulgated by the City Department of Utilities.

"Franchised waste hauler" means a person who possesses a valid commercial solid waste collection franchise issued by the Sacramento Regional County Solid Waste Authority.

"Mixed C&D debris" means loads that include commingled recyclable and non-recyclable C&D debris generated at a project site.

"Recyclable C&D debris" means C&D debris required to be diverted from landfills as specified in the Waste Management Plan and returned to the economic mainstream in the form of raw material for new, reused or reconstituted products that meet the quality standards necessary to be used in the marketplace.

"Recycling facility" means a facility or operation that receives, processes, and transfers source-separated recyclable materials.

"Source-separated C&D debris" means recyclable C&D debris that is separately sorted and containerized at the site of generation by individual material type and segregated from mixed C&D debris prior to collection and transporting.

"Waste log" means a record detailing the management of C&D debris generated by the covered project, including the date and weight/volume of material by type that was salvaged, reused, recycled or disposed.

2. **Waste Management Plan**. A completed WMP (see **Attachment 1**) must be submitted to and approved by the City prior to commencing any work on the project. The WMP must specify the types of C&D debris that will be generated from the project; the manner in which C&D debris will be managed and/or stored on the project site; the manner in which recyclable C&D debris generated from the project will be recycled or reuse; the person who will haul, collect or transport the recyclable C&D debris from the project site; and the certified C&D sorting facility or recycling facility where recyclable C&D debris will be delivered. The WMP must be approved by the City prior to commencing any work on the project.

3. Contractor shall be solely responsible for diverting the recyclable C&D materials specified on the WMP. Mixed C&D debris shall be delivered to a SWA-certified C&D sorting facility only. Only the permit holder, the person who generates the waste, a franchised waste hauler, or the City of Sacramento can transport or haul mixed C&D debris. Source-separated C&D debris may be delivered by any person to any recycling facility that accepts such materials. (See **Attachment 2** for list of C&D Debris Haulers and Facilities).

4. During the course of the project, Contractor shall maintain a waste log (see **Attachment 3**), and keep all weight tickets or weight receipts, for all C&D debris hauled away from the project. At a minimum, the waste log shall specify the C&D debris generated by the project; the manner in which C&D debris was recycled or re-used; and the facility where the C&D debris was delivered.

5. Within 30 days after submitting the project completion report, Contractor shall submit to the City a completed waste log, along with copies of supporting weight tickets. Contractor shall maintain and keep accurate and complete records of al bills, weight receipts or weight tickets that were issued for the collection, transport or disposal of C&D debris for a period of one-year after submittal of the waste log. The records shall be made available for inspection, examination and audit by the City during the one-year retention period to validate the information provided in the WMP and in the waste log. If the City determines noncompliance by the Contractor after an audit has been conducted, Contractor shall reimburse the City for all costs incurred in performing the audit.

6. Failure by Contractor to comply with any provisions specified herein will subject Contractor to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; imposition of a penalty, payable to the City ($50-$250 for first offense, $251-$500 for second offense, and $501-$1500 for subsequent offenses); and/or submission of a performance security deposit fee when submitting a permit application to the City for a project within one year of imposition of the penalty.

For questions or to obtain more information about the Recycling Requirements for C&D debris, contact the City of Sacramento, Solid Waste Services Division, 2812 Meadowview Road, Building 1, Sacramento, CA 95832, or telephone (916) 808-4833, or email C&D@cityofsacramento.org

C&D Debris Waste Management Plan

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4839 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Form submitted by:	
	Please attach a business card, or put your name with a phone number and/or an email address.

This Waste Management Plan (WMP) must be submitted and approved before work can begin. Only one WMP is required for each public construction project. The administration fee and, if applicable, a security deposit must be submitted with this form to be approved. Administration fee is 0.04% of project bid amount (min $40, max $800); security deposit, if applicable, is 1% of bid amount (max $10,000). The accompanying Waste Log must be submitted within 30 days of the project completion report, or a penalty may be imposed.

A. Building Project Information:

Job Address: _____ Engineering Estimate: _____
Contractor: _____ Phone: _____
Address: _____ Email: _____

B. Briefly describe the project:

_____

_____

_____

_____

_____

C. Materials Required to be Recycled

50% of all debris must be recycled if generated during the course of your project. You can either **source-separate** them, which may be hauled by anyone, or mix them in one container and send the **mixed C&D debris** load to a **Certified Mixed C&D Sorting Facility**. Mixed C&D loads can only be hauled by a franchised hauler or self-hauled. Please see the Definitions section, on the next page, for more information.

50%
of all debris must be recycled

D. Material Management.

1. **How will C&D debris will be stored on the project site**: _____ Mixed C&D _____ Source-Separated
2. **Company to haul away debris**: _____
3. **Facilities to receive debris**: _____

C&D Debris Waste Management Plan

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4839 / Fax: (916) 808-4999
C&D@cityofsacramento.org

E. Definitions.

Please read and understand these terms. Call Solid Waste at (916) 808-4833 if these terms are not clear to you. More information is also available online at http://www.cityofsacramento.org/utilities/.

1. **Self-haul or self-hauling**: This is when the general contractor or a subcontractor *who is doing work on the project* hauls their own waste materials for recycling or disposal. Note that a *jobsite cleanup crew is not doing other work on the project and is not self-hauling*. Jobsite cleanup crews need to be franchised in order to haul mixed C&D debris away.
2. **Franchised hauler**: Check the Department of Utilities (DOU) website for a list of these haulers. Only these companies and the City of Sacramento can collect and haul mixed C&D debris generated within the City for a fee.
3. **Source separation**: This means keeping wood, metal, cardboard, or other recyclables in separate containers, and sending the materials to an authorized recycler. A list of authorized recyclers can be found on the DOU web site. Source-separated materials may be hauled by anyone.
4. **Mixed C&D debris**: This means putting all recyclable debris into one container. Mixed materials must be sent to a certified mixed C&D sorting facility. Mixed materials may be either self-hauled or hauled by a franchised hauler. If your job site is crowded, this option saves the most space.
5. **Certified Mixed C&D Sorting Facility**: See the DOU web site for a list. These facilities have been certified by the Sacramento Regional Solid Waste Authority (SWA) to extract recyclable materials from mixed C&D debris.

F. Terms and Conditions

- Your approved Waste Management Plan and Waste Log must be kept on the job site for the duration of the project.
- City of Sacramento Solid Waste Services staff may enter the jobsite to inspect waste collection areas.
- **ALL** Clean Wood Waste (unpainted, untreated lumber, plywood and OSB), Inert Materials (concrete, asphalt paving, brick, block, and dirt), Wooden Pallets, Scrap Metal, and Corrugated Cardboard must be recycled.
- Only SWA-Certified Mixed C&D Sorting Facilities may be used to recycle these materials if mixed with other materials.
- Only the City of Sacramento, SWA-Franchised Haulers, or self-haulers (as defined above) may collect and transport mixed C&D material from the jobsite.
- C&D Debris may not be burned or dumped illegally.
- Your Waste Log must be completed and submitted, with supporting weight tickets, within 30 days of submitting your project completion report. All waste hauling and disposal or recycling activity must be entered on the Waste Log, including information from any subcontractors who self-hauled their own debris off-site.
- You must keep all receipts or weight-tickets from your project for a period of one year from the submittal of your waste log.
- Failure to comply with these terms and conditions may result in a fine and payment of a security deposit on future projects.

C&D Debris Haulers & Facilities

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4833 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Certified Mixed C&D Facilities

Allied Waste / Elder Creek Transfer and Recovery	(916) 387-8425
Florin-Perkins Public Disposal	(916) 443-5120
L&D Landfill	(916) 737-8640
Waste Management / K&M Recycle America	(916) 452-0142

Franchised Haulers

ACES Waste Services, Inc.	(866) 488-8837	Elk Grove Waste Management, LLC	(916) 689-4052
Allied Waste Services	(916) 631-0600	Mini Drops, Inc.	(916) 686-8785
All Waste Systems, Inc.	(916) 456-1555	Norcal Waste Services of Sacramento	(916) 381-5300
Atlas Disposal Industries, LLC	(916) 455-2800	North West Recyclers	(916) 686-8575
California Waste Recovery Systems	(916) 441-1985	Waste Management of Sacramento	(916) 387-1400
Central Valley Waste Services, Inc.	(209) 369-8274	Waste Removal & Recycling	(916) 453-1400
City of Sacramento Solid Waste	(916) 808-4839	Western Strategic Materials, Inc.	(916) 388-1076

Recyclers*

Bell Marine	(916) 442-9089
C & C Paper Recycling	(916) 920-2673
EBI Aggregates	(916) 372-7580
International Paper	(916) 371-4634
Modern Waste Solutions	(916) 447-6800
PRIDE Industries, Inc.	(916) 640-1300
Recycling Industries, Inc.	(916) 452-3961
Sacramento Local Conservation Corps	(916) 386-8394
Smurfit-Stone Container Corporation	(916) 381-3340
Southside Art Center	(916) 387-8080
Spencer Building Maintenance, Inc.	(916) 922-1900

Recovery Stations & Landfills

Elder Creek Recovery & Transfer Station	(916) 387-8425
Kiefer Landfill	(916) 875-5555
L & D Landfill	(916) 383-9420
North Area Recovery Station	(916) 875-5555
Sacramento Recycling & Transfer Station	(916) 379-0500
Waste Management Recycle America	(916) 452-0142

More updated information can be found online at:
http://www.cityofsacramento.org/utilities/

* Please note that any facility may receive source-separated recyclable materials as long as it is authorized to do so by the State of California. This is not meant to be a complete list.

C&D Debris Waste Log

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4839 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Project address: _____

This waste log, and copies of supporting weight tickets, must be submitted to Solid Waste within 30 days of submitting the project completion report. The waste log and weight tickets must also be kept on file for one year after project completion.

Date	Hauler	Material	Destination	Amount

Hauler: Indicate the Franchisee, Self-Hauler, City of Sacramento, or other hauler who removed the material offsite.
Material: Indicate appropriate category: Scrap Metal, Inert Materials, Cardboard, Wooden Pallets, or Clean Wood Waste.
Destination: Indicate the facility that received the material for disposal or recycling
Amount: Indicate the weight. If weight is not known, put volume.

City of
SACRAMENTO
Department of Public Works

GUARANTEE

We hereby guarantee the El Camino Avenue & Clay Street Traffic Signal Project (PN: T15165200) the City of Sacramento for one (1) year in accordance with the guarantee required in the specifications. We agree to repair or replace any or all such work, together with all or any other work which may be displaced in so doing, that may be proven defective in workmanship or material within the one-year period from the date of acceptance without any expense whatsoever to the City, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of our failure to comply with the above-mentioned conditions within five (5) days time after being notified in writing, we collectively or separately, do hereby authorize the City to proceed to have the defects repaired and made good at our expense and will pay the costs and damages, including but not limited to any related attorney fees and City staff and administrative expenses, therefor immediately upon demand.

Dated: 6/20/2016

Signed: Audrey Daugherty

Audrey Daugherty
Printed Name

M&M Electric
Company

1600 Auburn Blvd.
Address

Sacramento, CA 95815

(Rev. 5-6-91)

City of SACRAMENTO
Department of Public Works

WORKER'S COMPENSATION CERTIFICATION
El Camino Avenue & Clay Street Traffic Signal Project
(PN: T15165200)

In accordance with Article 5 (commencing at Section 1860), Chapter 1, Part 7, Division 2 of the Labor Code, the below certificate must be signed and filed with the awarding body prior to performing any work under this contract. Labor Code Section 3700, inter alia, states the following:

"Every employer shall secure the payment of compensation in one or more of the following ways:

"(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.

"(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

To be signed by authorized corporate officer or partner or individual submitting the Proposal. If Bidder is: (example)

1. An individual using a firm name, sign: "John Doe, an individual doing business as Blank Company."
2. An individual doing business under his own name, Sign: your name only.
3. A co-partnership, sign: "John Doe and Richard Doe, co-partners doing business as Blank Company, by, John Doe, co-partner.
4. A corporation, sign: "Blank Company, by John Doe, Secretary." (or other title)

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

DATE: 6/20/2016 Contractor M&M Electric

By Audrey Daughers
Signature

(Rev. 5-6-91)

Form **W-9**
(Rev. October 2007)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Business name, if different from above
M&M Electric

Check appropriate box: ☐ Individual/Sole proprietor ☑ Corporation ☐ Partnership
☐ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶
☐ Other (see instructions) ▶

☐ Exempt payee

Address (number, street, and apt. or suite no.)
1600 Auburn Blvd

Requester's name and address (optional)

City, state, and ZIP code
Sacramento, CA 95815

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

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

Social security number

or

Employer identification number
94 1711147

Part II Certification

Under penalties of perjury, I certify that:

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

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here Signature of U.S. person ▶ Audrey Daughert Date ▶ 6/20/2016

General Instructions

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

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name" line.

Limited liability company (LLC). Check the "Limited liability company" box only and enter the appropriate code for the tax classification ("D" for disregarded entity, "C" for corporation, "P" for partnership) in the space provided.

For a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Regulations section 301.7701-3, enter the owner's name on the "Name" line. Enter the LLC's name on the "Business name" line.

For an LLC classified as a partnership or a corporation, enter the LLC's name on the "Name" line and any business, trade, or DBA name on the "Business name" line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name" line.

Note. You are requested to check the appropriate box for your status (individual/sole proprietor, corporation, etc.).

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the business name, sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),

2. The United States or any of its agencies or instrumentalities,

3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,

4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or

5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,

7. A foreign central bank of issue,

8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,

9. A futures commission merchant registered with the Commodity Futures Trading Commission,

10. A real estate investment trust,

11. An entity registered at all times during the tax year under the Investment Company Act of 1940,

12. A common trust fund operated by a bank under section 584(a),

13. A financial institution,

14. A middleman known in the investment community as a nominee or custodian, or

15. A trust exempt from tax under section 664 or described in section 4947.

The chart below shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 13. Also, a person registered under the Investment Advisers Act of 1940 who regularly acts as a broker
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over $600 required to be reported and direct sales over $5,000[1]	Generally, exempt payees 1 through 7[2]

[1]See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2]However, the following payments made to a corporation (including gross proceeds paid to an attorney under section 6045(f), even if the attorney is a corporation) and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited liability company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at *www.ssa.gov*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/businesses* and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting *www.irs.gov* or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: *A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.*

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt payees, see *Exempt Payee* on page 2.

Signature requirements. Complete the certification as indicated in 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account [1]
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor [2]
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee [1]
b. So-called trust account that is not a legal or valid trust under state law	The actual owner [1]
5. Sole proprietorship or disregarded entity owned by an individual	The owner [3]
For this type of account:	**Give name and EIN of:**
6. Disregarded entity not owned by an individual	The owner
7. A valid trust, estate, or pension trust	Legal entity [4]
8. Corporate or LLC electing corporate status on Form 8832	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership or multi-member LLC	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or "DBA" name on the second name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

[4] List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

Call the IRS at 1-800-829-1040 if you think your identity has been used inappropriately for tax purposes.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to *phishing@irs.gov.* You may also report misuse of the IRS name, logo, or other IRS personal property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: *spam@uce.gov* or contact them at *www.consumer.gov/idtheft* or 1-877-IDTHEFT(438-4338).

Visit the IRS website at *www.irs.gov* to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA, or Archer MSA or HSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S. possessions to carry out their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You must provide your TIN whether or not you are required to file a tax return. Payers must generally withhold 28% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.

YEAR

CALIFORNIA FORM

2014 Withholding Exemption Certificate

590

The payee completes this form and submits it to the withholding agent.

Withholding Agent (Type or print)

Name
CITY OF SACRAMENTO

Payee

Name
M&M Electric

☐ SSN or ITIN ☑ FEIN ☐ CA Corp no. ☐ CA SOS file no.
9 4 - 1 7 1 1 1 4 7

Address (apt./ste., room, PO Box, or PMB no.)
1600 Auburn Blvd

City (If you have a foreign address, see instructions.)
Sacramento

State CA

ZIP Code 9 5 8 1 5 1 9 0 6

Exemption Reason

Check only one reason box below that applies to the payee.

By checking the appropriate box below, the Payee certifies the reason for the exemption from the California income tax withholding requirements on payment(s) made to the entity or individual.

☐ **Individuals — Certification of Residency:**
I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

☑ **Corporations:**
The corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

☐ **Partnerships or limited liability companies (LLCs):**
The partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

☐ **Tax-Exempt Entities:**
The entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

☐ **Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:**
The entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

☐ **California Trusts:**
At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return. If the trustee or noncontingent beneficiary becomes a nonresident at any time, I will promptly notify the withholding agent.

☐ **Estates — Certification of Residency of Deceased Person:**
I am the executor of the above-named person's estate or trust. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return.

☐ **Nonmilitary Spouse of a Military Servicemember:**
I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE OF PAYEE: Payee must complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) Audrey Daugherty Telephone (916) 929-0150

Payee's signature ▶ Audrey Daugherty Date 6/20/2016

For Privacy Notice, get FTB 1131 ENG/SP.

7061143

Form 590 C2 2013

Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

Registered Domestic Partners (RDP) – For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding.

Form 590 does not apply to payments of backup withholding. For information on California backup withholding, go to **ftb.ca.gov** and search for **backup withholding**.

Form 590 does not apply to payments for wages to employees. Wage withholding is administered by the California Employment Development Department (EDD). For more information, go to **edd.ca.gov** or call 888.745.3886.

Do not use Form 590 to certify an exemption from withholding if you are a **Seller of California real estate.** Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from real estate withholding.

The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities.
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities.
- A foreign government or any of its political subdivisions, agencies, or instrumentalities.

B Income Subject to Withholding

California Revenue and Taxation Code (R&TC) Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident S corporation shareholders, partners, and members and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent's business.
- Payments to nonresidents for royalties from natural resources with activities in California.
- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Endorsement payments received for services performed in California.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are $1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication, see Additional Information.

C Who Certifies this Form

Form 590 is certified by the payee. California residents or entities exempt from the withholding requirement should complete Form 590 and submit it to the withholding agent. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless notified by the Franchise Tax Board (FTB) that the form should not be relied upon.

An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed certificate on the preprinted form, the withholding agent may accept as a substitute certificate a letter from the payee explaining why the payee is not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee's taxpayer identification number. The withholding agent must retain a copy of the certificate or substitute for at least four years after the last payment to which the certificate applies, and provide it upon request to the FTB.

For example, if an entertainer (or the entertainer's business entity) is paid for a performance, the entertainer's information must be provided. **Do not** submit the entertainer's agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes. Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled "Individuals — Certification of Residency."

D Definitions

Nonresident includes all of the following:

- Individuals who are not residents of California.
- Corporations not qualified through the California Secretary of State (CA SOS) to do business in California or having no permanent place of business in California.
- Partnerships or limited liability companies (LLCs) with no permanent place of business in California.
- Any trust without a resident grantor, beneficiary, or trustee, or estates where the decedent was not a California resident.

Foreign refers to non-U.S.

For more information about determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status. Military servicemembers have special rules for residency. For more information, get FTB Pub. 1032, Tax Information for Military Personnel.

Permanent Place of Business:
A corporation has a permanent place of business in California if it is organized and existing under the laws of California or if it is a foreign corporation qualified to transact intrastate business by the CA SOS. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home.
- To which you intend to return whenever you are absent.

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders.

California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

Specific Instructions

Payee Instructions

Enter the withholding agent's name.

Enter the payee's information, including the taxpayer identification number (TIN) and check the appropriate TIN box.

You must provide an acceptable TIN as requested on this form. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp no.); or CA SOS file number.

Private Mail Box (PMB) – Include the PMB in the address field. Write "PMB" first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Enter the information in the following order: City, Country, Province/Region, and Postal Code. Follow the country's practice for entering the postal code. **Do not** abbreviate the country's name.

Check the box that reflects the reason why the payee is exempt from the California income tax withholding requirement.

Withholding Agent Instructions

Keep Form 590 for your records. **Do not** send this form to the FTB unless it has been specifically requested.

For more information, contact Withholding Services and Compliance, see Additional Information.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

If any of these situations occur, then withholding may be required. For more information, get Form 592, Resident and Nonresident Withholding Statement, Form 592-B, Resident and Nonresident Withholding Tax Statement, and Form 592-V, Payment Voucher for Resident and Nonresident Withholding.

Additional Information

For additional information or to speak to a representative regarding this form, call the Withholding Services and Compliance telephone service at:

Telephone: **888**.792.4900
916.845.4900
Fax: 916.845.9512

OR write to:

WITHHOLDING SERVICES AND
COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

You can download, view, and print California tax forms and publications at **ftb.ca.gov**.

OR to get forms by mail write to:

TAX FORMS REQUEST UNIT
FRANCHISE TAX BOARD
PO BOX 307
RANCHO CORDOVA CA 95741-0307

For all other questions unrelated to withholding or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: **ftb.ca.gov**
Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States
TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: **ftb.ca.gov**
Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos
TTY/TDD: 800.822.6268 personas con discapacidades auditivas y del habla

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 06/21/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
John O. Bronson Co. / #0757776
A Division of HUB International
3636 American River Drive Suite 200
Sacramento, CA 95864
916-974-7800

CONTACT NAME: Kerri Van Maren (28759 / MME31755)
PHONE (A/C, No, Ext): 916-480-4125 FAX (A/C, No): 916-993-7225
E-MAIL ADDRESS: Kerri.VanMaren@hubinternational.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Liberty Insurance Corp.	42404
INSURER B : The First Liberty Insurance Corp.	33588
INSURER C : Liberty Mutual Fire Insurance Company	23035
INSURER D :	
INSURER E :	
INSURER F :	

INSURED May-Han Electric, Inc. (dba) M & M Electric
1600 Auburn Blvd.
Sacramento, CA 95815

COVERAGES

CERTIFICATE NUMBER: 21960

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X $5,000 Deductible per Occurence X Contract., XCU per CG0001 0413 GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC	X	X	TB7-Z91-464680-035 Per Project Aggregate Limit applies only when required by written contract and LC2519 0115 is listed below and attached.	10/ 1/15	10/01/16	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Gen'l Agg Max Limit	$ 1,000,000 $ 100,000 $ Excluded $ 1,000,000 $ 2,000,000 $ 2,000,000 $ 15,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS X CA0001 1013	X		AS6-Z91-464680-025	10/ 1/15	10/ 1/16	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $ $
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $ $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N Y If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	X	WC2-Z91-464680-015	10/ 1/15	10/ 1/16	X WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: M&M Job #16074, City #T15165200, Intersection of El Camino Avenue & Clay Street, Sacramento

Add'l Interests: City of Sacramento, its officials, employees and volunteers per written contract

Forms: CA2048 1013, LC0443 0512, WC040306 0484

CERTIFICATE HOLDER

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS
915 I ST RM 2000
SACRAMENTO, CA 95814

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Paul F Bystrowski

© 1988-2010 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

Named Insured: May-Han Electric, Inc., dba: M&M Electric, Inc.

Policy Number: TB7-Z91-464680-035

Issued by Liberty Insurance Corp.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

COMMERCIAL GENERAL LIABILITY ENHANCEMENT FOR CONTRACTORS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

Index of modified items:

Item 1. **Reasonable Force**
Item 2. **Non-Owned Watercraft Extension**
Item 3. **Damage To Premises Rented To You - Expanded Coverage**
Item 4. **Bodily Injury To Co-Employees**
Item 5. **Health Care Professionals As Insureds**
Item 6. **Knowledge Of Occurrence**
Item 7. **Notice Of Occurrence**
Item 8. **Unintentional Errors And Omissions**
Item 9. **Bodily Injury Redefinition**
Item 10. **Supplementary Payments – Increased Limits**
Item 11. **Property In Your Care, Custody Or Control**
Item 12. **Mobile Equipment Redefinition**
Item 13. **Newly Formed Or Acquired Entities**
Item 14. **Blanket Additional Insured Where Required By Written Contract**
Lessors of Leased Equipment
Managers or Lessors of Premises
Mortgagees, Assignees or Receivers
Owners, Lessees or Contractors
Architects, Engineers or Surveyors
Any Person or Organization
Item 15. **Blanket Additional Insured – Grantors Of Permits**
Item 16. **Waiver Of Right Of Recovery By Written Contract Or Agreement**
Item 17. **Other Insurance Amendment**
Item 18. **Contractual Liability - Railroads**

Item 1. **Reasonable Force**

Exclusion a. of Section I - Coverage A - Bodily Injury And Property Damage Liability is replaced by the following:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

Item 2. **Non-Owned Watercraft Extension**

Paragraph (2) of Exclusion g. of Section I - Coverage A - Bodily Injury And Property Damage Liability is replaced by the following:

(2) A watercraft you do not own that is:

© 2012 Liberty Mutual Insurance. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc., with its permission.

(3) To your members (if you are a limited liability company); or

(4) To a co-"employee" or "volunteer worker" while that co-"employee" or "volunteer worker" is either in the course of his or her employment by you or while performing duties related to the conduct of your business (including participation in any recreational activities sponsored by you).

Your "employees" (other than either your "executive officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company)) or "volunteer workers" are insureds while in the course of their employment or while performing duties related to the conduct of your business for a Good Samaritan Act that results in "bodily injury":

(1) To you;

(2) To your partners or members (if you are a partnership or joint venture);

(3) To your members (if you are a limited liability company); or

(4) To a co-"employee" or "volunteer worker" while that co-"employee" or "volunteer worker" is either in the course of his or her employment by you or while performing duties related to the conduct of your business (including participation in any recreational activities sponsored by you).

A Good Samaritan Act means an attempt to rescue or aid a person in imminent or serious peril, provided the attempt is not recklessly made.

However, none of these "employees" (including supervisory or management "employees") or "volunteer workers" are insureds for the providing or failure to provide professional health care services.

B. The insurance provided by this Item 4. will not apply if the injured person's sole remedy for such injury is provided under a workers' compensation law or any similar law.

C. Other Insurance

The insurance provided by this Item 4. is excess over any other valid and collectible insurance available to the insured, whether primary, excess, contingent or on any other basis.

Item 5. **Health Care Professionals As Insureds**

A. Paragraphs 2.a.(1)(a) and (d) of Section II - Who Is An Insured do not apply to "bodily injury" or "personal and advertising injury" arising out of the providing of or failure to provide professional health care services by any "employee" or "volunteer" of the Named Insured who is a "designated health care provider" if the "bodily injury" or "personal and advertising injury" occurs in the course and scope of the "designated health care provider's" employment by the Named Insured.

B. With respect to "employees" and "volunteer workers" providing professional health care services, the following exclusions are added to Paragraph 2. Exclusions of Section I – Coverage A – Bodily Injury And Property Damage Liability and Paragraph 2. Exclusions of Section I – Coverage B – Personal And Advertising Injury Liability:

This insurance does not apply to:

(1) Liability assumed under an "insured contract" or any other contract or agreement;

(2) Liability arising out of the providing of professional health care services in violation of law;

(3) Liability arising out of the providing of any professional health care services while in any degree under the influence of intoxicants or narcotics;

(4) Liability arising out of any dishonest, fraudulent, malicious or knowingly wrongful act or failure to act; or

© 2012 Liberty Mutual Insurance. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc., with its permission.

SPECIAL PROVISIONS

TABLE OF CONTENTS
EL CAMINO AVENUE AND CLAY STREET
TRAFFIC SIGNAL PROJECT (PN: T15165200)

1. GENERAL REQUIREMENTS 4

1.1 SCOPE AND LOCATION OF WORK 4
1.2 SPECIFICATIONS 4
1.3 CONTRACTOR LICENSE 4
1.4 ORDER OF WORK 5
1.5 COMPLETION TIME 5
1.6 TIME OF AWARD 5
1.7 PROVIDING BONDS AND SURETY 5
1.8 PRE-BID INTERPRETATION OF CONTRACT DOCUMENTS 6
1.9 NO TRUCK HAUL ROUTE ON 28TH STREET SOUTH OF E STREET 6
1.10 CERTIFICATE OF COMPLIANCE 6
1.11 FINAL PAY QUANTITY 7
1.12 EQUIPMENT TO BE SUPPLIED 7
1.13 HANDLING AND REMOVAL OF HAZARDOUS OR CONTAMINATED MATERIALS 7
1.14 COORDINATION 8
1.15 PROJECT SCHEDULING 9
1.16 PROTECTION OF EXISTING IMPROVEMENTS 9
1.17 PUBLIC SAFETY AND CONVENIENCE 10
1.18 USE OF SLIP-FORM MACHINES FOR CONCRETE CONSTRUCTION 11
1.19 TRAFFIC CONTROL AND HANDLING FOR CONSTRUCTION STAKING 11
1.20 PUBLIC NOTIFICATION 11
1.21 REMOVAL OF ON-STREET PARKING 12
1.22 EQUIPMENT LIST AND DRAWINGS SUBMITTALS 13
1.23 PROOF OF COMPLIANCE WITH CONTRACT 13
1.24 RECORD DRAWINGS 14
1.25 BACKFILLING OF VOIDS 14
1.26 PAVEMENT CUTTING AND RESTORATION 14
1.27 PROTECTION OF TREES 15
1.28 TREE TRIMMING 15
1.29 STOP WORK IF CULTURAL RESOURCES ARE DISCOVERED 17

1.30 HEALTH AND SAFETY 17
1.31 PERMITS AND STAGING AREA 18
1.32 **EROSION AND SEDIMENT CONTROL** 19

2. ITEMS OF THE PROPOSAL 20

ITEM NO. 1 - PRECONSTRUCTION PHOTOGRAPHS 20
ITEM NO. 2 - TRAFFIC CONTROL SYSTEM 20
ITEM NO. 3 - CLEARING ANG GRUBBING 22
ITEM NO. 4 - ROADWAY EXCAVATION AND GRADING 22
ITEM NO. 5 - AGGREGATE BASE CLASS 2 TO PLACE 23
ITEM NO. 6 - ASPHALT CONCRETE (3/4") PAVEMENT TO PLACE 23
ITEM NO. 7 - SLURRY SEAL (TYPE II) TO PLACE 24
ITEM NO. 8 - CURB TYPE 14 TO CONSTRUCT 24
ITEM NO. 9 - 4" PCC SIDEWALK TO CONSTRUCT 24
ITEM NO. 10 - TRUNCATED DOMES TO PLACE 25
ITEM NO. 11 - REMOVE TRAFFIC STRIPES AND PAVEMENT MARKINGS 25
ITEM NO. 12 - STRIPING AND MARKINGS TO PLACE 25
ITEM NO. 13 - CONSTRUCT SIDEWALK BARRICADE 26
ITEM NO. 14 - 18" DRAIN LEAD TO INSTALL 26
ITEM NO. 15 - JUNCTION BOX TO RECONSTRUCT 27
ITEM NO. 16 - SIGN TO REMOVE 28
ITEM NO. 17 - SIGN TO RELOCATE 28
ITEM NO. 18 - MEASURE A SIGN TO PLACE 28
ITEM NO. 19 - TRAFFIC SIGN TO PLACE 29
ITEM NO. 20 - WATER VALVE TO ADJUST TO GRADE 31
ITEM NO. 21 - FIRE HYDRANT TO ADJUST TO GRADE 31
ITEM NO. 22 - TRAFFIC SIGNAL INSTALLATION 31

3. ELECTRICAL PROVISIONS WHICH APPLY TO ALL ELECTRICAL ITEMS 33

3.1 CITY FURNISHED EQUIPMENT 33
3.2 CONDUIT MATERIAL 34
3.3 CONDUIT INSTALLATION 34
3.4 CONDUCTORS 36
3.5 COMMUNICATION EQUIPMENT 37

3.6 CCTV Camera System 39
3.7 DETECTOR CONDUCTOR LOOP 41
3.8 DETECTOR HANDHOLES 44
3.9 DETECTOR LEAD-IN CABLE 44
3.10 EMERGENCY VEHICLE DETECTOR SYSTEM – GPS PRIORITY CONTROL SYSTEM 45
3.11 FIBER OPTIC 46
3.12 FOUNDATIONS TO BE ABANDONED 47
3.13 INSPECTION 48
3.14 INTERCONNECT CABLE 48
3.15 MASTARM STREETLIGHT 49
3.16 METERED ELECTRICAL SERVICE 50
3.17 PULL BOXES 52
3.18 TRAFFIC SIGNALS AND FITTINGS 54
3.19 TRAFFIC SIGNAL CONTROLLER, ATC EX, NEMA TS2 TYPE 1 58
3.20 TRAFFIC SIGNAL CONTROLLER, NEMA, ASC/3, TS2 TYPE 1 59
3.21 TRAFFIC SIGNAL CABINET, TS2 TYPE 1, TYPE 'R' 60
3.22 VIDEO DETECTION 74
3.23 WIRING 80

SPECIAL PROVISIONS
FOR
EL CAMINO AVENUE AND CLAY STREET
TRAFFIC SIGNAL PROJECT (PN: T15165200)

1. GENERAL REQUIREMENTS

1.1 SCOPE AND LOCATION OF WORK

The following items of work are to be performed in these Special Provisions:

The work includes slurry seal, placing new striping, placing new pedestrian refuges, and removing sediment and debris accumulated in a lined ditch.

The underground work includes reconstructing a junction box and installing one drain lead.

The electrical work to be performed under these Special Provisions includes furnishing and installing all necessary equipment and material to install a new traffic signal as indicated on the Plan sheets and these Special Provisions at the following location:

INSTERSECTION OF EL CAMINO AVENUE AND CLAY STREET

Also, included in the work shall be installing fiber optic cables between the proposed signal installation at Clay Street and the existing signalized intersection at Lexington Street.

1.2 SPECIFICATIONS

The work to be performed under this contract shall be in accordance with the Special Provisions contained herein. In these Special Provisions, reference is made to the City Standard Specifications of the City of Sacramento, adopted June 2007, referred to herein as "Standard Specifications" and any amendments. Reference is also made to California Department of Transportation Standard Specifications, adopted May 2006, referred to herein as "State Standard Specifications" and any amendments. The General Requirements of this contract shall be governed by these Special Provisions first, followed by Section 1 through Section 8 of the Standard Specifications. Other standards or specifications specified in these Special Provisions govern only the applicable technical specifications unless otherwise specified in these Special Provisions.

1.3 CONTRACTOR LICENSE

Work under these Special Provisions includes general engineering contractor and electrical contractor tasks as defined by the California Business and Professional Code, the California Code of Regulations, and the California Contractors State License Board (CCSLB). The Contractor shall have a current and active Class A – General Engineering Contractor License issued by the CCSLB at the time of the bid submittal and throughout the construction period.

The Contractor, and/or subcontractors performing electrical contractor tasks, shall also have a current and active Class C10 – Electrical Contractor License issued by the CCSLB at the time of the bid submittal and throughout the construction period. **The Contractor shall include the license numbers, names of licensees, and any cited violations and violation investigations by the CCSLB within three years prior to the date of the bid submittal in the bid proposal. Failure to include this information will cause the bid to be deemed non-responsive.**

1.4 ORDER OF WORK

Order of work shall conform to the provisions in Section 5-1.05, "Order of Work," of the State Standard Specifications and these special provisions.

Contractor shall install the new service pedestal as the first order of construction work. The Contractor shall notify the City Inspector upon completion of the service cabinet installation, so that the service cabinet is ready for SMUD power connection at the early stages of construction. Once SMUD powers the service cabinet, the main breaker shall be locked out to avoid any electrical hazard while terminating wires at the load side of the distribution breakers. The key should be kept with the City Inspector or a qualified electrician provided by the Contractor.

1.5 COMPLETION TIME

The time limit for the completion of all items of work is Forty (40) working days, commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor shall pay a sum in the amount of ONE THOUSAND TWO HUNDRED DOLLARS ($1200.00) as liquidated damages, and not as a penalty, for each calendar day delay after the expiration of Forty (40) working days.

The Engineer will furnish the Contractor a weekly statement showing the number of working days charged to the contract for the preceding week and the number of working days charged to date. The Contractor will be allowed fifteen (15) calendar days in which to file a written protest setting forth in what respect the Contractor disagrees with the working day statement, otherwise the working day statement of the Engineer shall be deemed to have been accepted by the Contractor as correct.

1.6 TIME OF AWARD

Section 3-2, "Time of Award," of the Standard Specifications is hereby amended for this project. Time of Award for this contract shall be made within Sixty (60) calendar days after opening of the proposals to the lowest responsible bidder.

1.7 PROVIDING BONDS AND SURETY

The Contractor shall provide signed agreement and surety bonds within ten (10) calendar days after receipt of notice to award by the City and prior to award by the City Council. The Contractor shall be reimbursed for all surety bond costs should the City Council not award a contract.

1.8 PRE-BID INTERPRETATION OF CONTRACT DOCUMENTS

No oral representations or interpretation will be made to any bidder as to the meaning of the contract documents. Requests for interpretation shall be made in writing and delivered to the City at least seven (7) calendar days before the time announced for opening the proposals. Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practicable to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract. Requests for information regarding this procedure or other similar information, shall be directed to Adam Randolph of the Department of Public Works, Engineering Services Division, 915 I Street, Room 2000, Sacramento, CA 95814, (916) 808-7803, FAX (916) 808-7903 or ARandolph@cityofsacramento.org.

It shall also be the bidder's responsibility to call to the attention of the Engineer any missing pages or drawings in the contract documents including the addenda. These items shall be brought to the attention of the Engineer immediately but at least two (2) weeks prior to the bid opening date.

1.9 NO TRUCK HAUL ROUTE ON 28TH STREET SOUTH OF E STREET

The Contractor and its subcontractors must not use 28th Street south of E Street as part of any haul route to and from the Bell Marine Co., Inc./ Harbor Sand and Gravel located at 200 28th Street. Acceptable routes to and from the facility are as follows:

To enter facility:

North on 30th Street
West on E Street
North on 28th Street

To exit facility:

South on 28th Street
East on C Street
South on 29th Street

The Contractor shall be assessed an administrative penalty of $500 for each Contractor or subcontractor dump truck that uses 28th Street South of E Street to enter or exit the Bell Marine Co., Inc/Harbor Sand and Gravel.

1.10 CERTIFICATE OF COMPLIANCE

The Contractor shall provide the Engineer with a manufacturer's "Certificate of Compliance" at the Engineer's request within two weeks. The Certificate of Compliance shall clearly show that the material, equipment and/or work is in compliance with the tests and specifications set forth in these contract documents.

1.11 FINAL PAY QUANTITY

Final pay quantity is designated on the sealed bid proposal sheet with a "(F)". Final pay quantity shall conform to Section 9-1.015 "Final Pay Items" of the State Standard Specifications, except that the final pay quantity designation shall be made on the sealed bid proposal rather than the Plans.

1.12 EQUIPMENT TO BE SUPPLIED

All equipment, material and supplies called for in the specifications shall be new and currently manufactured items, unless otherwise specified. All equipment shall be complete and in operation to the satisfaction of the Engineer at the time of acceptance of the work.

All incidental parts which are not shown on the Plans or specified herein and which are necessary to complete the project shall be furnished and installed as though such parts were shown on the Plans or specified herein.

All equipment, materials, or supplies to be considered as an approved equal must be submitted to the City contact listed in PREBID INTERPRETATION OF CONTRACT DOCUMENTS, for approval no less than ten (10) calendar days prior to the bid opening date. If the City finds said equipment, materials, or supplies to be acceptable, an addendum will be issued notifying all bidders by the close of business on Friday before the bid opening date. If there is no addendum accepting an approved equal, bidders shall submit bids based on the original specified equipment, materials, or supplies.

1.13 HANDLING AND REMOVAL OF HAZARDOUS OR CONTAMINATED MATERIALS

In the event hazardous or contaminated materials are encountered at the site for which separate handling or removal provisions have not been made in these Special Provisions, the Contractor shall stop work on that item, contact the Engineer and schedule his operations to work elsewhere on the site if possible. The City will be responsible for handling and removal of hazardous material or may request that the Contractor shall be available, through contract change order, to provide additional services as needed for the completion of the work. Additional services may consist of retaining a subcontractor who possesses a California license for hazardous substance removal and remedial actions.

Hazardous or contaminated materials may only be removed and disposed of from the project site in accordance with the following provisions:

1. All work is to be completed in accordance with the following regulations and requirements:

    a. Chapter 6.5, Division 20, California Health and Safety Code.

    b. California Administration Code, Title 22, relating to Handling, Storage, and Treatment of Hazardous Materials. 29 Code of Federal Regulation 1910.120 relating to Hazardous Waste Operation Safety Training.

c. City of Sacramento Building Code and the current edition of the Uniform Building Code.

2. Coordination shall be made with the County of Sacramento Environmental Management Department, Hazardous Materials Division, and the necessary applications shall be filed.

3. All hazardous materials shall be disposed of at an approved disposal site and shall only be hauled by a current California registered hazardous waste hauler using correct manifesting procedures and vehicles displaying a current Certificate of Compliance. The Contractor shall identify by name and address the site where toxic substances shall be disposed of. NO payment for removal and disposal services shall be made without a valid certificate from the approved disposal site that the material was delivered.

None of the aforementioned provisions shall be construed to relieve the Contractor from the Contractor's responsibility for the health and safety of all persons (including employees) and from the protection of property during the performance of the work. This requirement shall be applied continuously and not be limited to normal working hours.

1.14 COORDINATION

The Contractor shall coordinate his activities in a manner that will provide the least interference with the City's operations, other contractors and utility companies working in the area, and agencies exercising jurisdiction over the project area or portions thereof.

1. At a minimum the Contractor shall coordinate his operations with the following:

- City Traffic Signal and Street Lighting Maintenance Shop
  Contractor shall notify Brad Stephenson, via the Resident Engineer, a minimum of five (5) working days before any electrical work begins at 808-6635.

- Underground Service Alert
  Contractor shall contact Underground Service Alert (USA) at 1-800-227-2600, a minimum of three (3) working days prior to any excavation.

- Sacramento Municipal Utility District (SMUD)
  Contractor shall contact Michelle Zuniga, SMUD, at (916) 732-5726, at least 2 months before service hook-up is required, before service disconnect is required, before pole quadrants for risers need to be marked, before any poles need to be stood by SMUD, or before any overhead line heights need to be measured.

- Pacific Gas and Electric (PG&E)
  Contractor shall contact PG&E at 916-386-5153 to arrange a standby at least 7 calendar days before start of construction. Any work within ten feet of PG&E facilities shall be performed with PG&E personnel inspection. Power operated equipment may not be used

within two feet of PG&E facilities; only hand digging is permitted. The contractor is solely responsible for coordinating and scheduling PG&E inspection of such activities.

The Contractor shall be responsible for any garden refuse piles, which are inadvertently placed in the street between the time of City pickup and the Contractor's work. The cost for removing garden refuse piles shall be included in the unit prices bid for the various items of the proposal.

The cost of coordination shall be included in the unit prices bid for the various items of the proposal and no additional compensation will be allowed therefor.

1.15 PROJECT SCHEDULING

The Contractor shall submit to the Engineer a practicable progress schedule and a schedule of values at the pre-construction meeting and within 5 days of the Engineer's written request at any other time. The Contractor shall furnish the schedules on a form of his choice. The progress schedule shall show the order in which the Contractor proposes to carry out the work, the dates on which he will start the features of the work and the contemplated dates for completion of the work. The schedule of values is submitted for use in determining progress payments. The progress schedules submitted shall be consistent in all respects with the time and order of work requirements of the contract.

The Contractor shall submit, review and update a project schedule in accordance with Section 7-2 of the Standard Specifications. Subsequent to the time that submittal of a progress schedule and a schedule of values is required in accordance with these specifications, no progress payments will be made prior to the submittal of an acceptable project schedule.

1.16 PROTECTION OF EXISTING IMPROVEMENTS

The location, alignment, and depth of existing underground utilities as shown on the Plans are taken from public records and no responsibility is assumed for their accuracy.

The Contractor's attention is directed to the provisions of Chapter 3.1 "PROTECTION OF PUBLIC UTILITIES IN PUBLIC CONTRACTS" of the California Government Code concerning protecting existing overhead and underground utilities. In particular, Section 4216 and Section 4217.

Existing improvements, utilities and adjacent property shall be protected from damage resulting from the Contractor's operations. All trees, shrubbery, grass, fences, mail boxes, walls and other improvements including existing pavements, sidewalks, street improvements, sprinkler systems and underground utilities and other improvements not to be removed under this contract shall be protected from damage by the Contractor throughout the construction period.

All painted or other disfiguring markings on the pavement, sidewalk or gutters shall be removed by the Contractor before acceptance of the work.

The Contractor will insure that utility services to customers in the project are maintained.

The Contractor is responsible for the protection of and for damage to existing overhead and underground utility lines and services encountered during the course of construction. The Contractor shall notify the respective utility owner prior to any interruption of service.

The Contractor is expected to "pothole" existing underground utilities a minimum of ten (10) working days in advance at any location where an existing utility may be in conflict with the proposed work.

The cost of relocating existing overhead or underground utilities not specified on Plans to be relocated, but which the Contractor elects to relocate or cut and reconnect for his/her own convenience, shall be borne by the Contractor.

No compensation will be paid to the Contractor for the maintenance and protection of existing utilities and facilities. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.17 PUBLIC SAFETY AND CONVENIENCE

The contractor's attention is directed to Sections 6 and 7 of the Standard Specifications.

At the end of each working day if a difference in excess of 0.2 foot exists between the elevation of the existing pavement and the elevation of any excavation within 8 feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way. During excavation operations, native material may be used for this purpose, however, once the placing of the structural section commences, structural material shall be used. The material shall be placed to the level of the elevation of the top of existing pavement and tapered at a slope of 4:1 or flatter to the bottom of the excavation. Full compensation for placing the material on a 4:1 slope, regardless of the number of times it is required, and subsequent removing or reshaping of the material to the lines and grades shown on the plans shall be considered as included in the contract price paid for the material involved and no additional compensation will be allowed therefor. No payment will be made for material placed in excess of that required for the structural section.

Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor at his expense.

Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

Roadway excavation and the construction of embankments shall be conducted in such a manner as to provide a relatively smooth and even surface satisfactory for use by public traffic at all times. Skid resistance steel plates or other approved methods shall be used to cover all open excavations in the roadways and sidewalks at all times during construction

The Contractor shall maintain existing electrical facilities and traffic signals for public safety in accordance with Section 34 of the Standard Specifications and these Special Provisions.

Unless otherwise noted in these special provisions residential driveways may only be closed after giving property owners 24 hour notice in advance of the closure. Driveways may only be closed during normal work periods and while the contractor is actively pursuing work which requires the driveway to be closed, except when forms are in place, or while concrete is being cured.

All work within public streets and/or roadway right-of-way shall be done in an expeditious manner so as to cause as little inconvenience to the traveling public as possible. Skid-resistant steel plates or other approved methods shall be used to cover all open excavations in the roadway during non-working hours.

Full compensation for meeting the requirements of this section and for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in traffic handling, public safety and convenience shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.18 USE OF SLIP-FORM MACHINES FOR CONCRETE CONSTRUCTION

The Contractor may use concrete slip form machines to construct concrete curbs, gutters and sidewalks. The Contractor must maintain proposed lines and grades as shown on the plans. For curbs constructed on existing pavements, the contractor must construct the curb to eliminate any uneven lines and top of curb grade elevations. If in the sole discretion of the Engineer, these lines and grades are not maintained, the Contractor shall remove and replace the concrete at his/her costs.

If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.

1.19 TRAFFIC CONTROL AND HANDLING FOR CONSTRUCTION STAKING

The Contractor is responsible for providing traffic control (at the request of the City survey crew) to place the Contractor's construction stakes within vehicle travel lanes of heavy volume streets and highways. Heavy volume streets are typically major and minor collectors and arterial streets; and are not alleys, local residential, local commercial, or local industrial streets. The cost to provide traffic control for construction staking in the vehicle travel lanes shall be included in the bid items the Contractor deems appropriate.

1.20 PUBLIC NOTIFICATION

The Contractor shall notify residents and businesses within the project limits in writing five (5) working days in advance of beginning work. The notice shall be approved by the Engineer and shall describe the work to be performed, the anticipated duration of construction and the name and telephone number of the Contractor's representative that can be reached 24 hours a day, 7 days a week.

The Contractor shall be responsible for issuing a second notice to property owners five (5) working days in advance of commencing any work on private property. The Contractor shall include in the public notification flyers/postcards detailed procedures explaining precautions the homeowner can take to help prevent plugged utility service fixture problems. The Contractor shall submit to the Engineer for review and approval public notification flyers/postcards before they are issued to the public.

Full compensation for this item shall be included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.21 REMOVAL OF ON-STREET PARKING

In Metered Parking Areas:

Seventy-two (72) hours prior to construction, the Contractor shall place signs adjacent to every third parking stall stating, "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block". Contractor shall also contact the City Parking Division prior to placing barricades.

Signs shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

The Contractor shall request the City Parking Division to cover each parking meter, prior to construction, with a "NO PARKING" sign and the signs previously placed adjacent to every third stall shall be mounted on a barricade and moved into the parking stall at the Contractors expense.

If the Contractor needs less than the entire block, every stall removed shall be barricaded in conjunction with the covering of parking meters.

Where parking removal is necessary, at metered parking stalls, the Contractor shall coordinate with the City Parking Division three (3) days in advance and shall be responsible for the payment of parking removal fees (City Code Section 25.122-1). It is recommended that the Contractor consult with the City Parking Division (phone 916-808-5874) prior to submission of his bid to obtain an estimate of the fees for this project. Note: Typical fees are $29 to bag the first meter and $5 each additional meter. Daily meter fees are typically $2.25 each day Monday through Saturday.

In Non-Metered Parking Areas:

Seventy-two (72) hours prior to construction (except Monday work, barricades shall be placed on the prior Thursday), the Contractor shall place signed Type II barricades stating "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block", at 50 to 60 foot intervals in the work area. The Contractor shall notify the City Parking Division (916-808-5874) prior to placing barricades. No fee is required in Non-metered zones.

"NO PARKING" signs shall be approved by the Engineer prior to their use. "NO PARKING" signs and barricades shall be supplied by the Contractor. The Contractor shall notify the Engineer immediately after the "NO PARKING" signs are in place.

Barricades shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

Failure to comply with this section will prevent the City from towing vehicles parked within the proposed work area until the provisions of this section have been met and will require rescheduling of planned work. Additionally, "NO PARKING" signs and barricades shall not be removed prior to removal/towing of vehicles in violation of posted "NO PARKING" signs.

Payment shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and payment of all fees required to perform all work, as specified in these Special Provisions and as directed by the Engineer and shall be considered as included in the prices paid for the various contract items of work. No additional compensation will be allowed therefore.

1.22 EQUIPMENT LIST AND DRAWINGS SUBMITTALS

Equipment list and drawings shall be in accordance with Section 34-3 of the Standard Specifications and these Special Provisions.

Unless otherwise permitted in writing by the Engineer, the Contractor shall, within twenty (20) days following notification of award of the contract submit to the Engineer for approval a listing of equipment and material which he/she proposes to furnish and install. The list shall be complete as to name of manufacturer, size and catalog number of unit, and shall be supplemented by other data, including detailed scale drawings and wiring drawings. A minimum of five (5) copies of the above data shall be submitted to the Engineer for review and approval.

The Contractor shall submit to the Engineer a statement from each vendor supplying electrical equipment, including but not limited to, signal heads, standards, electroliers, luminaries, service pedestal and all other electrical equipment indicating that the orders for the materials required for this contract have been received and accepted by said vendor. The confirmed date of delivery to the contractor shall be indicated on the statement.

All substitutions are subject to the approval of the Engineer.

1.23 PROOF OF COMPLIANCE WITH CONTRACT

In order that the Engineer may determine whether the Contractor has complied with the requirements of the contract documents not readily determinable through inspection and tests of plant, equipment, work, or materials, the Contractor shall at any time when requested, at the Contractor's expense, submit to the Engineer properly authenticated documents or other satisfactory proofs as to his compliance with such requirements.

1.24 RECORD DRAWINGS

Contractor shall maintain a neatly and accurately marked set of record drawings showing the final locations and layout of all facilities as-built. Drawings shall be kept current weekly, with all work instructions and Change Orders, accommodations, and construction adjustments. Drawings shall be subject to the inspection by the Engineer at all times, and progress payments, or portions thereof, may be withheld if drawings are not accurate and current. Prior to City's acceptance of the Work, Contractor shall deliver to the Engineer one (1) set of neatly marked record drawings, accurately showing all the information required above. If the Engineer does not approve the record drawings, Contractor shall revise and resubmit the record drawings as necessary to obtain the Engineer's approval. If Contractor fails to comply with the requirements of this section, the City may deduct and retain the cost of preparing the record drawings from the Contract.

1.25 BACKFILLING OF VOIDS

All voids resulting from the removal of trees, pipes, maintenance holes, ditch boxes, or other buried structures or objects shown on the Plans or called in these Special Provisions to be removed, shall be backfilled per the provisions of Section 26 (Trench Backfill) of the Standard Specifications. In the event job excavated native material is unsuitable for backfill as determined by the Engineer, the Contractor shall furnish the required suitable backfill material.

The cost to backfill voids as specified in the Special Provisions shall be included in the price bid for the respective items to remove trees, pipe, maintenance holes, ditch boxes, or other buried structures or objects, and no additional compensation shall be allowed.

1.26 PAVEMENT CUTTING AND RESTORATION

Pavement cutting and restoration shall conform to the provisions of Section 13-4 of the Standard Specifications and these Special Provisions.

No pavement cutting shall precede pavement excavation by more than seven (7) calendar days unless approved by the Engineer. Prior to excavation in paved areas, pavement will be broken within the limits of expected excavation so as to prevent lifting of the pavement during excavation. Prior to restoration, the pavement shall be sawed or scored with an abrasive type pavement cutter (maximum blade width 1/4"). The proper tools and equipment shall be used so that the pavement will be cut to a neat and straight line six inches (6") beyond the limits of actual excavation.

Where pavement cutting takes place more than five (5) calendar days before trench excavation, the Contractor shall fill the pavement cuts with asphaltic patching mix and maintain a smooth riding surface until trenching begins.

Where the limits of excavation are located within twelve (12") of the edge of existing pavement or lip of the curb and/or gutter, the existing pavement within this twelve inches (12") shall also be removed.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for all work involved in this item shall be considered as included in the unit price bid for roadway excavation and removing and replacing asphaltic concrete pavement.

1.27 PROTECTION OF TREES

During construction the Contractor shall protect existing trees. All work near the trees shall be coordinated by the Contractor with the City Arborist, at urbanforestry@cityofsacramento.org. The Contractor shall comply with direction as given by the City Arborist and the following City requirements regarding tree protection:

No storage of materials or parking of vehicles may occur within the drip lines of the trees, except on paved streets.

If, during construction, tree roots two inches (2") in diameter or greater are encountered, work shall stop immediately and the City Arborist shall be contacted for a root inspection, and roots shall not be cut without arborist approval. Roots approved by the arborist to be pruned during the course of project construction shall be cleanly cut. If extensive root pruning is proposed an arborist inspection will determine if tree removal is necessary.

If construction activities will affect any of the limbs of the trees, a certified arborist (certified by International Society of Arboriculture, Western Chapter) shall be consulted prior to the cutting or removal of any limb. Limbs approved by the arborist to be pruned during the course of project construction shall be cleanly cut.

The Contractor shall be responsible for damages to trees. Trees damaged by the Contractor during construction activities shall be assessed by the City Arborist using the International Society of Arborists (ISA) appraisal guide or UFS standard diameter and area indexing. The Contractor's responsibility for damaged trees will be determined by the Arborist.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.28 TREE TRIMMING

Trees identified by the Engineer to be trimmed shall be trimmed in accordance with the following specifications and as directed by the Engineer or project Arborist in conjunction with the City Arborist:

General Conditions - This work is to be performed by a Tree Service Contractor, licensed and bonded to do business in the City of Sacramento. The work to be done will consist not only of this trimming and removal of branches and limbs but also disposal of material trimmed from these trees. Disposal of material will not be allowed at the City Dump.

Contractor shall be aware of and shall comply with all ordinances governing and related to tree trimming work. Contractor shall furnish all labor, materials and equipment as required in

performing the work described herein in strict accordance with these specifications and subject to the terms and conditions of this contract.

Description of Work - The work shall be done primarily from truck mounted aerial platforms except where trees are inaccessible to trucks. All hand and power tools in the performance of this work shall be subject to inspection and approval of the Manager of the Urban Forest Services division or his designated representative who shall serve as the inspector for the City.

In general, the standard tree trimming equipment shall be used and shall be maintained in a satisfactory condition at all times. All tools shall be clean, sharp, in proper working order and shall be checked for safety before each job.

Inspection/Permit - The Contractor shall notify the Engineer prior to 8:00 a.m. on each day Contractor will be trimming trees.

The Contractor shall notify, 3 working days prior to tree trimming, the City Arborist, at urbanforestry@cityofsacramento.org and obtain, for this project, a permit for tree trimming within the City.

Special Conditions - All licenses, insurance, etc., necessary to assume the legal responsibility for said work shall be acquired by the Contractor to cover the liabilities which might be caused by said work.

All workmen shall comply with State Compensation Safety Rules and must wear safety equipment at all times while on the job. Adequate warning devices, barricades, guards, cones, etc., shall be placed and necessary precautions shall be taken by the Contractor to provide protection for the workers, pedestrians and vehicular traffic in the area. Work shall be scheduled and conducted in a cooperative manner in order to give the least possible interference with or annoyance to others. It shall be the responsibility of the Contractor to work out any cooperative work schedules as necessary.

All tree work requiring climbing of trees shall be suspended during inclement weather. No trimmings or debris shall be left overnight on any of the work sites. Upon completion of a specific area, the site shall be left in a clean and orderly condition. It shall be the responsibility of the Contractor to repair any damages to adjacent property including shrubs, trees or other growth as well as structures along the route.

To prevent the spread of Dutch elm disease, tree trimming tools shall be sprayed with Lysol before any tree trimming and after each tree has been trimmed.

Personnel - All work shall be done by qualified and trained persons. They shall be familiar with tree climbing and trimming work in general and trained to work in trees of any size. A qualified foreman shall be provided to oversee and direct the work of each crew.

Correct Cuts - All work shall be done in a professional and workmanlike manner. All cuts shall be made in accordance with the following sections in these Special Provisions, and as directed by

the Engineer. Trees shall be trimmed at locations where there are tree conflicts and as directed by the Engineer or project Arborist in conjunction with the City Arborist.

Tree trimming shall include the removal of any limbs or brush from limbs in order to achieve a clear space of at least six foot (6') radial distance from each luminaire. The results of the tree trimming shall produce an unobstructed cone of light that will illuminate a semicircle on the street at street level. The semicircle shall have a radius of forty feet (40') minimum on the street from the electrolier base. The unobstructed cone of light shall also illuminate an area at sidewalk level on the house side of the electrolier. This illuminated area shall extend fifteen feet (15') minimum from the base of the electrolier.

Twigs, small limbs and sucker growth shall be removed with hand pruners, pole pruners or a fine toothed saw. All portions of a tree removed in the pruning operations, whether small or large in diameter, shall be made just outside the branch bark ridge, parallel to and immediately adjacent to the tree limb from which the part is removed.

Any dead wood and broken limbs encountered in the pruning operations shall be removed. Dead wood shall be defined as any portion of the tree having no living foliage, no live buds or no apparent life in the cambium layer. Final cuts on dead limbs shall not cut into the branch bark ridge or branch collar of the parent limb. Dead limbs larger than three-fourths of one inch (3/4") in diameter shall be removed by sawing. Broken limbs shall be removed except where branches have split and one portion of the branch can be saved by pruning to reduce lateral end weight.

Shrubs shall be pruned as directed by the Engineer and shall conform to current ISA specifications.

The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.29 STOP WORK IF CULTURAL RESOURCES ARE DISCOVERED

If artifacts or stone, bone, or shell are uncovered during construction activities, the Contractor shall stop work within 100 feet of the find and notify the City, who will consult with a qualified archaeologist for an on-the-spot evaluation. Additional mitigation of the archaeological site will be the responsibility of the City. If bone is found and it appears to be human, the City will notify the Sacramento County coroner and the Native American Heritage Commission (916-322-7791).

1.30 HEALTH AND SAFETY

The Contractor is warned that existing sewers and appurtenances have been exposed to sewage and industrial wastes. These facilities shall therefore be considered contaminated with disease-causing organisms. Personnel in contact with contaminated facilities, debris, wastewater, or similar items shall be advised by the Contractor of the necessary precautions that must be taken to avoid becoming diseased. It is the Contractor's responsibility to urge his personnel to observe a strict regime of proper hygienic precautions, including any inoculations recommended by the local public health officer.

Because of the danger of solvents, gasoline, and other hazardous material in the existing sewers, these areas shall be considered hazardous to open flame, sparks, or unventilated occupancy. The Contractor shall be aware of these dangers and shall take the necessary measures to assure his personnel observe proper safety precautions when working in these areas.

The Contractor shall not allow any wastewater to discharge from sewage collection systems onto adjacent lands or waters. In case of accidental discharge, the Contractor shall be responsible for containment, immediate cleanup and disposal at his own expense to the full satisfaction of the Engineer. Where containment is not possible, adequate disinfection shall be provided by the Contractor at his expense as directed by the Engineer or agency with jurisdiction. If, in the opinion of the Engineer, the Contractor fails to adequately follow the above guidelines, he will make arrangements to have the work done by others, and have the cost charged to the Contractor.

1.31 PERMITS AND STAGING AREA

If the Contractor decides he/she needs additional working easement areas, work sites or material sites to facilitate his operation, it shall be his sole responsibility to locate, negotiate, obtain and pay for such additional working easements, work sites and material sites.

The Contractor shall submit to the Engineer written authorization from the property owner of private property being used for the storage of equipment or materials. A copy of any written agreements entered into between the Contractor and the property owner concerning encroachment onto private property shall be provided to the Engineer prior to beginning any work on the property.

Prior to work within any City-owned property, a right of entry must be obtained through the City of Sacramento Real Estate division. Contact Bill Sinclair (916) 808-1905, bSinclair@cityofsacramento.org, and submit a written application for right of entry a minimum of 2 weeks prior to required entry.

An application for the right of entry must detail the full legal name of the company, the company's main point-of-contact, the name of the person(s) responsible for signing the right of entry including his or her title, dates and durations of requested entry, activities requiring entry, proposed work hours, a description of any materials and equipment to be stockpiled and areas where stockpiles will be kept depicted on a detailed aerial exhibit, fueling or maintenance operations planned, and any other potentially hazardous materials that may be located on site, as well as any other pertinent information related to the project that should be disclosed.

All areas lying outside of the street right-of-way which are affected by the work shall be restored to the same, or better condition existing prior to the commencement of the work, to the satisfaction of the Engineer.

.

The cost of necessary permits, all restoration, including but not limited to landscaping improvements, shall be included in the various items of work the Contractor deems appropriate, and no separate or additional compensation shall be made.

1.32 **EROSION AND SEDIMENT CONTROL**

Erosion and Sediment Control shall be in accordance with Section 16 of the City Standard Specifications.

2. ITEMS OF THE PROPOSAL

ITEM NO. 1 - PRECONSTRUCTION PHOTOGRAPHS

Preconstruction photographs shall conform to Section 11 of the Standard Specifications.

Payment shall be at the lump sum bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in taking preconstruction photographs as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 2 - TRAFFIC CONTROL SYSTEM

Traffic Control Systems shall conform to the provisions in Section 6-10, "Traffic Control Requirements," of the Standard Specifications and these Special Provisions. Included in this bid item is the preparation, revision, and implementation of a traffic control plan and no additional compensation will be provided to the Contractor therefor.

Contactor shall be solely responsible for furnishing, installing and maintaining all warning signs and devices necessary to safeguard the general public and the work and for providing proper and safe routing of the vehicular and pedestrian traffic during the performance of the work. This requirement shall apply continuously and shall not be limited to working hours. The use of flaggers, barricades and construction signing shall comply with the current edition of the California Manual of Uniform Traffic Control Devices (M.U.T.C.D).

ACCESS TO DRIVEWAYS, HOUSES AND BUILDINGS

Access and passable grades shall be maintained at all times for business establishments during construction. Safe and passable pedestrian, bicyclist, and vehicular access shall be provided and maintained to fire hydrants, homes, commercial and industrial establishments. Access to these facilities shall be continuous and unobstructed unless otherwise approved. Ramps and driveways shall not have “lips” or elevation differences greater than three-eighths of an inch (3/8”). When abutting property owner’s access across the right-of-way line is to be eliminated, repaired, or replaced under the Contract, the existing access shall not be closed until their replacement access facilities are completed and functional.

ERECTION OF SIGNS TO EXPEDITE PASSAGE OF VEHICLES

The Contractor shall erect such warning and directional signs as necessary or as directed by the Engineer for expediting the passage of public traffic through or around the Work and the approaches.

TRAFFIC CONTROL PLAN

The contractor shall submit to the Engineer for review and approval a plan showing traffic control measures for vehicles, pedestrians and bicycles affected by the construction work.

Revisions to the plan shall be submitted three working days prior to related work. A copy of the Traffic Control Plan shall be available on site at all times. For emergency purposes, the responsible person in charge of the work must be reachable by phone 24 hours a day during the progress of the work. A 24-hour phone number shall be indicated on the permit application.

The contractor shall adhere to guidelines as stated in Section 12.20.030 of Title 12 of the Sacramento City Code pertaining to Traffic Control Plan – Requirements, and shall conform to the current edition of the California MUTCD. Particular attention is directed to Chapter 6D – Pedestrian and Worker Safety and Chapter 6F – Temporary Traffic Control Zone Devices, Section 6F.68 – Detectable Edging for Pedestrians.

The traffic control plans and schedule shall be developed with the following requirements:

1. On working days, between 7:00 a.m. to 8:30 a.m. and 4:00 p.m. to 6:00 p.m., Contractor shall maintain the number of lanes normally available on all Primary Streets unless otherwise approved in writing by the City Traffic Engineer.

2. Weekend work from 8:30 am to 5:30 pm may be approved by the Engineer.

3. Contractor shall abide by the City noise ordinance.

4. The Contractor shall submit for approval, a written request to perform weekend work a minimum of two (2) weeks prior to the weekend dates. If weekend work is approved, the cost of inspection shall be borne by the Contractor.

5. The Contractor shall furnish, install temporary stripes and maintain temporary construction warning signs, lighting, flaggers, barricades, striping and other devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of all vehicular and of pedestrian traffic within and through the limits of the project during the construction. The requirement shall apply continuously and shall not be limited to normal working hours.

6. No work will be allowed if the Contractor does not adhere to these traffic control guidelines.

7. The Contractor shall maintain existing electrical facilities and traffic and public safety in accordance with Section 34 of the Standard Specifications and these Special Provisions.

8. All work within public streets and/or roadway right-of-way shall be done in an expeditious manner so as to cause as little inconvenience to the traveling public as possible. Skid-resistant steel plates or other approved methods shall be used to cover all open excavations in the roadway during non-working hours.

Payment shall be at the lump sum price bid for traffic control system and shall include full compensation for all labor, materials, tools, equipment and incidentals, and for doing all work

involved with traffic control systems as specified in these Special Provisions and as directed by the Engineer. This includes all work and costs associated with traffic control plan and detour plan submittals and revisions, detour plans, traffic area signs, and the procurement, placement, maintenance, and removal of portable changeable message signs and other construction area signage.

ITEM NO. 3 - CLEARING ANG GRUBBING

Clearing and grubbing shall conform to Section 12 and 13 of the Standard Specifications and these Special Provisions. The removal of the existing roadway pavement, base, native material, curb, gutter and sidewalk shall be part of the "Roadway Excavation and Grading" item and shall not be paid for under this item.

Clearing of sediments, plants and debris from approximately 275' of AC lined ditch in the south-west quadrant of the project shall be paid for under this item.

Sprinkler/irrigation system pipes and heads which interfere with proposed improvements shall be relocated to the right-of-way line as part of this item. The property owner shall be notified in writing of the relocation two (2) working days prior to its initiation. The existing sprinkler/irrigation system relocation shall be completed within three (3) working days of the initiation of work. Salvaged irrigation material shall be returned to the property owner along with other privately owned facilities shown on the Plans to be removed. All other excess material shall become the property of the Contractor and be disposed of away from the project site.

Payment shall be at the lump sum bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in clearing and grubbing as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 4 - ROADWAY EXCAVATION AND GRADING

Excavation and grading shall conform to Section 14 of the Standard Specifications and these Special Provisions.

Excavation shall include sawcutting and removal of all asphalt concrete (AC), aggregate base (AB), Portland Cement Concrete (PCC), native material and soil to allow construction of improvements to the lines and grades shown on the Plans. This item shall include grading behind the proposed sidewalk necessary to match the existing grades and improvements.

This work shall include excavation and grading necessary to construct the proposed street section, ditch grading and ditches, median, curb, gutter, sidewalk, driveways, walkways and shall include finish grading to match the back of sidewalk to surrounding grade using a maximum 4:1 slope per the construction plans. This work shall include shaping and trimming of slopes, and the placement and compaction of excavated earth material to the lines and grades shown on the Plans.

All existing asphalt pavements to be removed shall be full depth saw-cut at the limits of removal as shown on the Plans and in accordance with Section 13 of the Standard Specifications.

Excess excavated material shall become the property of the Contractor and shall be deposited in a location and manner satisfactory to the Engineer. When any material is to be disposed of outside the right-of-way, the Contractor shall obtain written permission from the owner upon whose property the disposal is to be made before any material is deposited thereon.

The Contractor shall exercise extreme care to avoid damaging the curb and gutter lips, sidewalks, and planting areas during excavation operations. Gutter lips damaged by the Contractor which are spalled in excess of one inch (1") deep by five inches (5") long will be repaired at the Engineer's direction. The cost of repairs to damaged curb and gutter shall be considered as included in this item, and no separate payment shall be made therefore.

Payment shall be made based on the final pay quantity indicated on the Sealed Proposal and will not be recalculated in the field. Payment for fill grading shall be included in the unit bid price for this item and shall not be made separately.

Payment shall be based on final pay quantity per cubic yard and shall include full compensation for all labor, materials, tools, equipment, incidentals and for doing all work involved with roadway excavation and grading as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 5 - AGGREGATE BASE CLASS 2 TO PLACE

Class 2 aggregate base shall be placed as shown on the Plans and conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions.

This item shall include placing Class 2 aggregate base in the pavement section, shoulder area, and under the proposed curb, gutter, sidewalk and driveways.

Payment shall be made at the unit price bid per ton based on the weight tickets and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing aggregate base Class 2 as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 6 - ASPHALT CONCRETE (3/4") PAVEMENT TO PLACE

Asphalt concrete shall be Type A, 3/4" maximum aggregate (coarse) and shall be placed as shown on the Plans, as specified in these Special Provisions and in conformance with the requirements of Sections 10 and 22 of the Standard Specifications.

Payment shall be at the unit price bid per ton based on the weight tickets and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing asphalt concrete pavement as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 7 - SLURRY SEAL (TYPE II) TO PLACE

Slurry seal (Type II) shall be placed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 23 of the Standard Specifications and these Special Provisions.

Payment shall be at the unit price bid per square yard and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved with placing slurry seal (Type II) as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 8 - CURB TYPE 14 TO CONSTRUCT

Portland cement concrete curb and gutter type 14 shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 (DWG. T-11) of the Standard Specifications.

Payment shall be at the unit price bid per lineal foot and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in constructing curb type 14 as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 9 - 4" PCC SIDEWALK TO CONSTRUCT

Portland cement concrete (PCC) sidewalk shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 of the Standard Specifications.

Sidewalk transitions to driveways shall be included in this bid item.

The sidewalk portion of the curb ramps shall be paid under this item of the proposal. The curb ramps shall be constructed where shown on the Plans or as directed by the Engineer.

At locations where curb ramps or sidewalks are being retrofitted into existing sidewalk areas, sidewalk shall match existing color by adding one pound of lamp black per cubic yard of concrete.

If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing 4" PCC sidewalk as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 10 - TRUNCATED DOMES TO PLACE

Cast in place truncated domes shall be installed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 38 (DWG.T-78 and T-79) of the Standard Specifications.

Detectable Warning Tiles shall be Armor Tile, ADA Solutions or approved equal, as manufactured by Engineered Plastics Inc.: Product (#1) #ADA-C3648S-YW, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #ADA-S-3648-YW, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow or ADA Solutions Product (#1) # 3648IDPAV1Y, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) # 3648IDRET1Y, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow. Detectable Warning Tiles shall have a five (5) year written warranty.

Installation of detectable warnings shall be by manufacturer trained and certified individuals. Detectable warning and installation shall have a five (5) year written warranty.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with installing cast in place truncated domes as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 11 - REMOVE TRAFFIC STRIPES AND PAVEMENT MARKINGS

Thermoplastic traffic stripes, thermoplastic, and preformed pavement marking to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing markings shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The Contractor shall place temporary markers prior to removing traffic control measures during the striping removal operation. Temporary markers shall be maintained until permanent striping is in place.

Payment shall be at the lump sum price bid for remove striping and markings and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with removing traffic stripes as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 12 - STRIPING AND MARKINGS TO PLACE

Thermoplastic traffic stripe details and markings, both white and yellow, shall be placed as shown on the Plans or as directed by the Engineer, and conform to Section 32 of the Standard Specifications. All striping details shall be in conformance with the California MUTCD (2014 edition).

The Contractor shall place the striping and markings after slurry seal has been set for three (3) calendar days, but no later than seven (7) calendar days after resurfacing. If the Contractor fails

to place the striping and markings in the time period allowed, the Contractor shall pay administrative penalties of $500 per calendar day for each street that is not completed.

This item of work includes full compensation for placing thermoplastic traffic striping and pavement markings of varying details, colors, and widths. Where a detail includes retroreflective or other type pavement markers, the markers are considered included with this item and no additional payment will be allowed therefor.

Payment shall be at the lump sum price bid Striping and Markings To Place and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, for doing all work involved with this line item as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 13 - CONSTRUCT SIDEWALK BARRICADE

This work includes the permanent installation of sidewalk barricades at the locations shown on the plans. Sidewalk barricades installed must conform to the details shown in Section 38 of the Standard Specifications (DWG. T-102).

Payment shall be at the unit price bid per each barricade constructed. This price will include full compensation for furnishing all labor, material, tools, equipment, and incidentals and for doing all the work involved in Construct Sidewalk Barricade complete in place as shown on the Plans, as specified in these Technical Specifications, and as directed by the Engineer.

ITEM NO. 14 - 18" DRAIN LEAD TO INSTALL

Where shown on the Plans, 18-inch diameter drain inlet leads shall be RCP. Drain lead connections shall be included in this item. Drain inlet lead shall be constructed to the details on the Plans and shall conform to Sections 10, 14, and 26 of the Standard Specifications and these Special provisions.

If the depth of cover is less than 12 inches, the Contractor shall encase pipe with controlled density fill as specified in the General Requirements, "Trench Excavation and Backfill," herein or with concrete protective covering as specified in the Standard Specifications, Section 38, S-250. When the Engineer approves shallow placement of DI leads requiring protective measures proposed by Contractor, all work associated with protective measures shall be considered as extra and paid per Section 8 of the Standard Specifications.

When connecting to a manhole:

A) If a precast manhole base is allowed, the Contractor shall install a flexible joint (bell and spigot or flexible coupling) a horizontal distance of 18-inches to 24-inches from the wall of the manhole.

B) All connections to the manholes not cast as part of the base shall be made by use of a coring machine and a "Cor-N-Seal" or approved equal flexible watertight

coupling. The incoming pipe shall be cut, and the space between the inserted pipe and the seal shall be grouted smooth.

After mandrel inspection, the DI leads placed may be inspected by the City's Field Services Division utilizing a robotic T.V. camera. It shall be the Contractor's responsibility to coordinate the T.V. inspection with the Engineer.

This item shall also include the removal or abandonment of existing drain leads. Contractor shall remove pipe that is less than 2 feet from the finished surface. If pipes are deeper than 2 feet from the finished surface, it is the Contractor's option to remove or abandon existing leads (per Standard Specification 13-2(e)). All pipe removed shall become the property of the Contractor and disposed of away from the project site.

The lead invert elevations shown on the Plans are approximate only. It shall be the Contractor's responsibility to determine the final vertical alignment by means of locating potential conflicts prior to construction of the drain inlet, lead, or coring of the manhole. No deflections will be allowed in the lead unless otherwise approved by the Engineer. Guidelines for final profile of drain lead are as follows: The distance from the grate elevation to the top of the drain inlet base shall be between 4'-8" and 5' unless otherwise shown on the Plans or directed by the Engineer. The drain lead shall have a minimum slope of 0.0025 ft/ft unless otherwise approved by the Engineer. Unless otherwise stated herein, no additional compensation shall be paid to the Contractor for potholing, or altering drain inlet or lead elevations.

Payment shall be at the unit price bid per lineal foot of proposed drain lead to install and shall include full compensation for furnishing all labor, materials, tools, surface restoration, equipment and incidentals and for doing all work involved in constructing drain inlet leads as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer. The bid cost for this item shall include pavement cutting and surface restoration.

ITEM NO. 15 - JUNCTION BOX TO RECONSTRUCT

Where shown on the Plans, drainage junction box shall be reconstructed. This item includes all work associated with removing and replacing the existing junction box in conformance with Standard Specifications and these special Provisions.

All work shall be set at elevations as indicated, and shall be constructed at slopes to meet ADA requirements. Slotted grate shall be replaced with Standard Manhole Cover A as shown in the Standard Specifications (DWG S-140)

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in reconstructing the junction box as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer. The bid cost for this item shall include pavement cutting and surface restoration.

ITEM NO. 16 - SIGN TO REMOVE

Existing roadside signs shall be removed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Removed sign panels shall be salvaged and delivered to the City of Sacramento Traffic Sign and Markings Section at 5730 24st Street, Building 10, Sacramento, CA. Existing roadside signs shall not be removed until replacement signs have been installed or until the existing signs are no longer required for the direction of public traffic, unless otherwise directed by the Engineer.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in removing roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 17 - SIGN TO RELOCATE

Existing roadside signs shall be removed and relocated to the new locations shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Each roadside sign shall be installed at the new location on the same day that the sign is removed from its original location.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in relocating the roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 18 - MEASURE A SIGN TO PLACE

This item shall consist of manufacturing, furnishing and installing Measure A signs measuring 8'x4' as shown on the Exhibit **below**. Sheeting Grade shall be ASTM Type 11 or 3M DG Cubed specifications designed to enhance nighttime visibility of traffic control signs and objects. Type 11 or 3M DG Cubed sheeting shall have a pre-coated adhesive protected by an easily removable liner.

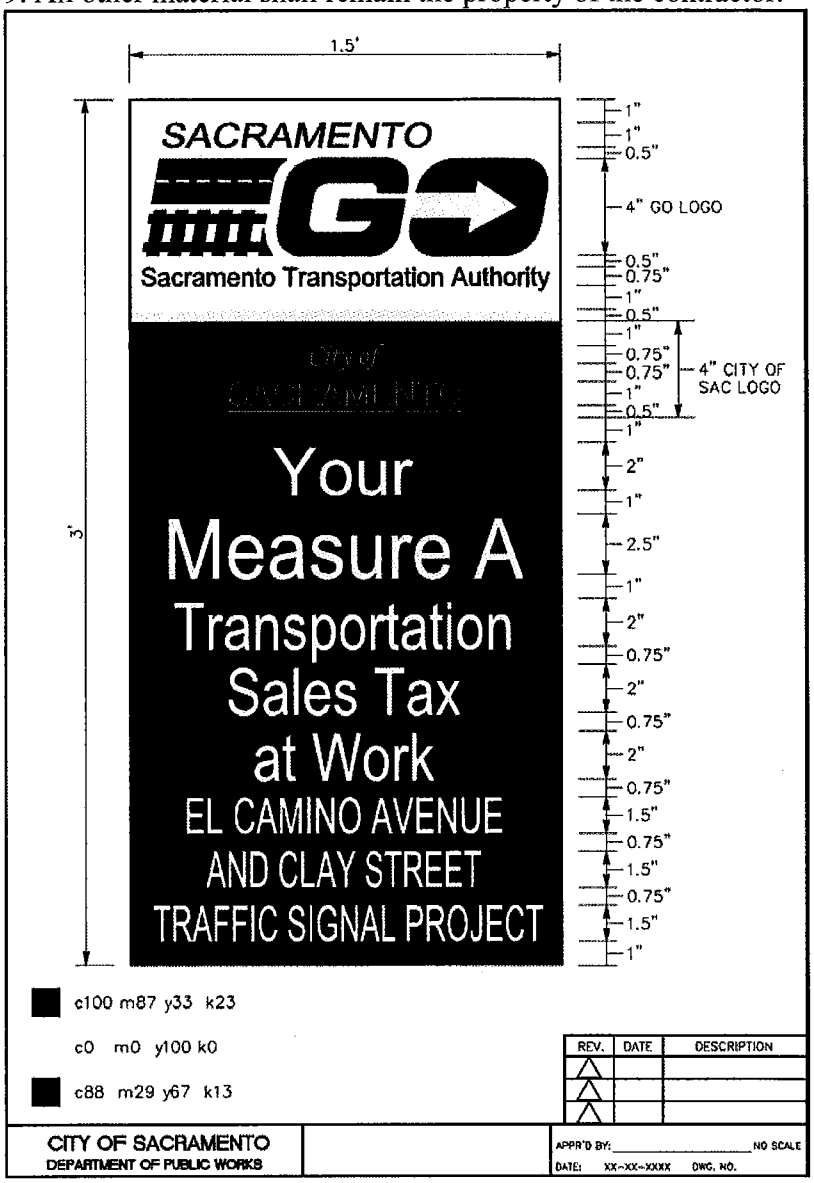
Sign panel shall be aluminum conforming to 5052-H38. The sign panel shall be 0.08" thick.

The bottom of sign shall be installed a minimum of 7' from adjacent ground. Sign posts shall be 4"x4" pressure treated wood and embedded in post holes with Class 'B' concrete.

A sign material and installation submittal must be reviewed and accepted by the Engineer before fabrication and installation.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the sign. The Contractor shall review the proposed sign location with the Engineer prior to installation. The Engineer may make adjustments to the proposed sign location in the field.

Upon completion of the project, the sign panel shall be protected from damage and returned to the Traffic Signs and Markings Section located at the City Corp Yard 5730 24th Street Building 9. All other material shall remain the property of the contractor.



Payment shall be made at the unit price bid per each sign and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing traffic signs on existing posts or new post as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 19 - TRAFFIC SIGN TO PLACE

This item shall consist of manufacturing, furnishing and installing traffic signs on existing posts or new posts shall be placed where shown on the Plans or as directed by the Engineer and shall

conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions.

A sign material and installation submittal must be reviewed and accepted by the Engineer before fabrication and installation.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the signs. The Contractor shall review the proposed sign location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the sign. The Engineer may make adjustments to the proposed sign location in the field.

The Contractor shall use the sign sizes as shown in the State of California, Department of Transportation Traffic Manual, unless specified otherwise on the drawings.

Signs located at the side of the roadway shall have a minimum height of seven feet (7') from the adjacent ground to the bottom of the sign, unless specified otherwise. The height of a combination of signs in the median, such as an R7 with an R10, shall be 18 inches from the top of the island to the bottom of the lowest sign (R10) with a maximum one-inch separation between the two signs.

Each sign shall have the date of manufacture and a location number stenciled on the backside. Location information shall consist of each sign having an individual number which will be recorded on a clean set of Plans during the sign installation and shall be turned in as part of the "Record Drawings".

A. Sign Posts
A 5/16-inch diameter cap screw with a plated rubber backwasher against the face of the sign and elastic stop nuts shall be placed through the sign and post at both top and bottom of each sign. A "V" notched piped saddle, to support the sign, shall be placed between the sign and the post.

B. Signal and Street Light Poles
Place a ¾-inch stainless steel banded strap and appropriate hardware at both top and bottom of each sign.

C. Sheeting Grade
Sheeting Grade shall use ASTM Type 11 or 3M DG Cubed specifications designed to enhance nighttime visibility of traffic control signs and objects. Type 11 or 3M DG Cubed sheeting shall have a precoated adhesive protected by an easily removable liner.

D. Sign Material
All signs shall be aluminum panels conforming to 5052-H38. All road signs shall be 0.08" thick with the exception of street name signs which shall be 0.125" thick.

Payment shall be made at the unit price bid per each sign and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in

placing traffic signs on existing posts or new post as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 20 - WATER VALVE TO ADJUST TO GRADE

This item shall pay for adjusting water valve boxes to the grade of the new surface and shall conform to the applicable requirements of Sections 10 and 34 of the Standard Specifications and these Special Provisions.

The Contractor shall be responsible for protecting all existing facilities from injury or damage during the construction operations.

All rubble and debris on the water valve boxes associated with the Contractor's operation shall be removed and disposed of away from the project site.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in adjusting water valve boxes to grade as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 21 - FIRE HYDRANT TO ADJUST TO GRADE

This item shall pay for adjusting fire hydrants to the grade of the new surface and shall conform to the applicable requirements of Sections 10 and 34 of the Standard Specifications and these Special Provisions.

The Contractor shall be responsible for protecting all existing facilities from injury or damage during the construction operations.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in adjusting fire hydrants to grade as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 22 - TRAFFIC SIGNAL INSTALLATION

The work to be performed for this item, in general, includes furnishing and installing all necessary equipment and materials for the traffic signal installation as indicated on the Plan sheets and these Specifications.

Contractor shall provide and install new pull boxes with security lockable lids, conduit, conductors, detector cables, detector handholes, detector loops, pull rope, CCTV Camera System, GPS emergency vehicle detector system, metered service pedestal, and communication equipment (network switch with power supply and Cisco 100Base-X small Form Factor Pluggable Modules, and din rail, surge suppressor, cat 5E cabling).

Contractor shall also provide and install 1-B traffic signal poles, pedestrian pushbuttons and posts, traffic signal and pedestrian displays, louvers, mounting brackets, foundations, and all appurtenances shown on the Plans and called for in these Special Provisions to ensure a complete installation and functioning traffic signal system.

Work also includes surface restoration of any sidewalk or landscaping damaged in the traffic signal installation.

Work also includes extending new conductors and conductors to existing pull boxes.

Construction work also includes removing conductors, cables, and pull boxes, abandoning conduits, and removing existing fiber optic cable.

The contractor shall configure and program the video detection system, CCTV camera, and GPS emergency vehicle detector system for a fully functional traffic signal system.

Also included in the work shall be the installation of City furnished equipment: traffic signal standards and mastarms and traffic signal cabinet with controller as specified in the Plans and these Provisions. Contractor shall be responsible for all necessary hardware to stand and install all City furnished equipment. Contractor to provide luminaire.

Also included in the work shall be the installation of City furnished equipment: video detection camera/system as specified in the Plans and these Provisions for a functional system. Contractor shall be responsible for all necessary hardware to stand and install all City furnished equipment. Contractor provides and installs Coax Cable and Power Cable from the camera to the traffic signal controller. The contractor shall configure and program the video and microwave detection system and the traffic signal controller to detect vehicles for a fully functional traffic signal system.

Work also includes removing all project related Underground Service Alert (USA) marks from the project site. Contractor shall also remove all tire marks, equipment marks, machinery marks, and other liquids, such as oil and machinery coolant, on the sidewalk, driveway, curb ramp areas that was caused by the contractor during construction.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, for doing all work involved with this line item as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

3. ELECTRICAL PROVISIONS WHICH APPLY TO ALL ELECTRICAL ITEMS

3.1 CITY FURNISHED EQUIPMENT

The Contractor shall pick-up all City furnished equipment at the City Corporation Yard. The City has two corporation yards: Corporate Center South, 5730 24th Street, Building 11, Sacramento, California and the Corporate Center North, 918 Del Paso Road, Sacramento, California, and deliver these items to the job site. *Contractor is responsible to provide machinery and manpower to unload and load all city furnished equipment.* Loading, unloading, pick-up, and delivery of these items, and coordination of the delivery of traffic signal standards with the manufacturer, will be considered included in the price bid for various items and no additional compensation will be allowed therefor.

The Contractor shall schedule the equipment pick-up with the City Inspector. Equipment pick-up shall be done in the presence of the City Inspector or his designated representative.
The Contractor shall be responsible for all damages that occur in connection with the care and protection of all materials and equipment until the completion and final acceptance of the work by the City.

The Contractor's responsibility for City supplied equipment shall be in accordance with Section 6-1.02, "State-Furnished Materials," of the State Standard Specifications.

Traffic Signal Controller and Cabinet - The City of Sacramento shall provide one (1) Type "R" cabinet and one (1) Econolite controller as indicated on the Plans. The City will provide one set of anchor bolts with the City supplied equipment. The Contractor shall provide and construct the foundation for the Type R cabinet in accordance with the State Standard Plans, these Special Provisions, the Plans and as designated by the Engineer. The Contractor shall install all City furnished equipment on the foundations and make all wire connections as directed by the Engineer. City forces will program all controllers, conflict monitors, and detector sensor units. The Contractor shall notify the Traffic Signal Maintenance Shop, (916) 433-6314, ten (10) working days prior to the date of installation of the controller cabinet.

Traffic Signal Standards - The City of Sacramento shall provide the traffic signal standards as specified in the Plan sheets. The City will provide one set of anchor bolts with each City supplied signal standard. The Traffic Signal Standards will ship directly from the Manufacturer to a location specified by the Contractor. The Contractor shall coordinate the delivery of the poles with the Manufacturer. City will provide the Manufacturer's contact information. The Contractor shall provide and construct the foundations for the traffic signal standards in accordance with the State Standard Plans, these Special Provisions, the Plans and as designated by the Engineer. The Contractor shall install all City furnished equipment on the foundations and make all wire connections as directed by the Engineer.

Video Detection Camera/System - The City of Sacramento shall provide Video Detection Camera/System with coax cable and power cable as indicated on the Plans. The Contractor shall install all City furnished equipment and make all wire connections as directed by the Engineer.

Contractor shall configure and program both the video detection camera/system and traffic signal controller to detect vehicles for a fully functional traffic signal system. The Contractor shall notify the Traffic Signal Maintenance Shop, (916) 433-6314, ten (10) working days prior to the date of installation of equipment. The quantity of equipment are shown on the plan sheets.

For the video detection camera/system, the contractor shall contact Econolite Control Products Inc, Barry Rodinsky, District Manager, (510) 562-3215. West Gate Business Center, 1399 Davis Street Suite 305, San Leandro, CA 94577 All costs shall be incorporated into the lump sum bid price.

3.2 CONDUIT MATERIAL

Conduit to be installed underground shall be Schedule 40 polyvinyl chloride (PVC) or Schedule 40 polyethylene conduit as described herein unless otherwise indicated or specified. PVC conduit shall comply with the specifications in Section 34-10 of the City Standard Specifications. High-density polyethylene conduit shall comply with the following specifications:

Conduit shall be fabricated from polyethylene shall be in conformance with applicable ASTM and NEMA standards and Article 347 of the National Electrical Code. Non-black polyethylene conduit shall contain not less than 2500 parts per million (ppm) of a hindered amain ultraviolet light stabilizer. Ultraviolet stabilization additive for black polyethylene conduit shall consist of a carbon black loading of 2.5% ± 0.5% by weight.

Conduit shall be manufactured from high-density polyethylene resin designated as Type III, Category 5, Class C, Grade P34 material in accordance with ASTM D1248.

Duct seal shall be installed on all conduits.

All new conduits starting/terminating in pull boxes shall have End Bells.

3.3 CONDUIT INSTALLATION

Conduit installation shall be in accordance with Section 34-9, 34-10 of the Standard Specifications and as modified by these Special Provisions. "Jet-rodding" is not permitted.

Conduits terminating in pull boxes, standards, pedestals and cabinets shall rise vertically and shall not slope in any direction. Conduits terminating in standards, pedestals, and cabinets shall terminate one and one-half inches (1½") above finished grade. Conduits shown on the Plans to be adjacent and parallel to each other shall be installed in the same trench or drill hole unless otherwise specified or directed by the Engineer. Under the sidewalk, conduit shall be laid to a depth of not less than eighteen inches (18") below the sidewalk grade.

Conduits shall be installed by trenching or directional drilling method.

All applicable requirements in these Special Provisions to locate, and to protect existing utilities, utility laterals, obstructions, and other facilities in the area shall be conformed to and no

additional compensation will be allowed therefor. Contractor is responsible for any damage and the repair of any existing facilities damaged by his/her trenching or drilling operations. Contractor is responsible for any potholing necessary and cost for potholing shall also be included in price paid for applicable items of work and no additional compensation will be allowed therefor. All trenching or drilling work shall be contained within the City right-of-way. If utilities or other obstacles are encountered at the specified conduit depth, any additional drilling required to avoid the obstacle shall be made at the Contractor's expense and no additional compensation will be allowed therefor. Location of trenching and drill holes shall take into consideration minimal impact to the street pavement while still meeting the requirements of these Special Provisions.

Contractor shall replace roadway striping and markings with same material if damaged by directional drilling, bore pits, potholes, or trenching. Replacement striping and markings shall be thermoplastic or paint, per the City of Sacramento Standards.

Contractor shall use the following PVC pipe cement to join conduits and fittings: Premier Cement PVC All Temperature One Step Blue or Christy's Red Hot Blue Glue for Schedule 80 thru 4" diameter.

A. Trenching Method

Installation of conduit by trenching shall be in conformance with the Plans and these Special Provisions. See plan sheets for trench details. Trenches shall be backfilled or covered at the end of each work day. All conduit installed by trenching shall be anchored every 15 feet to the bottom of the trench, with an approved method, so as to prevent the conduit from floating when the concrete is backfilled into the trench.

1. Trenches in reconstructed roadways shall be backfilled with slurry portland cement per cubic yard and fine type aggregate as defined in the Standard Specifications Section 10-5. A red oxide in the amount of 5 lbs. per cubic yard shall be mixed uniformly throughout the slurry cement. See plan sheets for amount of sack slurry and depth of conduit(s).

2. Trenches in existing roadways shall use the "T-Trench" method. The portion over the trench shall be paved with asphalt concrete, Type A with ¾" aggregate (coarse); except on residential streets where the base course shall be Type A, ¾" aggregate (coarse) and surface coarse shall be Type B, ½" aggregate, (medium), per Section 22 of the City Standard Specifications, unless otherwise directed by the Engineer. See plan sheets for width and thickness of asphalt concrete over trench. Trenches shall be backfilled with slurry portland cement per cubic yard and fine type aggregate as defined in the Standard Specifications Section 10-5. A red oxide in the amount of 5 lbs. per cubic yard shall be mixed uniformly throughout the slurry cement. See plan sheets for amount of sack slurry.

B. Directional Drilling Method

Installation of conduit by directional drilling shall be in conformance with the Plans and these Special Provisions.

Conduits shall be installed such that the top of the conduit(s) are not less than eighteen inches (18") below the finished grade in sidewalk areas and not less than thirty inches (30") in all other areas except as otherwise specified or directed by the Engineer.

Prior to the start of directional drilling, the Contractor shall submit a plan which identifies location and size of proposed drill holes, describes process for identifying/locating existing utility services and other underground utilities or obstructions, identifies a proposed "drilling corridor" to avoid conflicts with existing utilities, services and other facilities. This plan shall be submitted to the Engineer a minimum of ten (10) working days prior to the start of work. The Contractor will not be allowed to directional drill until an approved plan is on file with the Engineer

Directional drilling shall be performed by the technique of creating and directing a bore hole along a predetermined path to a specified targeted location where indicated on the plans to install conduits. The technique shall involve the use of mechanical and hydraulic equipment to change the boring course and shall use instrumentation to monitor the location and orientation of the boring head assembly along the predetermined course. Drilling shall be accomplished with fluid-assisted mechanical cutting. Unless otherwise approved, boring fluids shall be a mixture of bentonite and water or polymers and additives. Bentonite sealants and water will be used to lubricate the drilling head. It is mandatory that minimum pressures and flow rates be used during drilling operations so as not to fracture the subgrade material around and/or above the bore. Uncontrolled jetting (where the primary purpose is to use fluid force to erode soil for creation of the final bore hold diameter) is prohibited. The drilling system shall utilize small-diameter fluid jets to fracture, and mechanical cutters to cut and excavate the soil as the head advances forward.

All drilling shall be located a minimum of three feet (3') from the center of all existing maintenance holes. Drilling that run parallel to any sanitary sewer or storm drainage lines shall maintain a minimum clearance of three feet (3') measured from the centerline of the sewer or drainage line to the adjacent side of the drill hole. Drilling that crosses any sewer or drainage line shall cross at 90 degrees to the line or at a minimum of 45 degrees if a 90 degree crossing is not possible.

3.4 CONDUCTORS

Conductors shall be in accordance with Section 34-12 of the Standard Specifications, except for the following:

1. If the existing ground wire (green 1#10 THW) is used as a pullwire, a new ground wire shall be pulled with the new conductors or cables, unless otherwise specified.

2. Unless otherwise noted, insulation Types THHN and THWN are not approved for installation.

3. The electrolier leads from base to lamp socket shall be No. 12 THW solid wire with 45 mils insulation suitable for 600-volt service for historic decorative, post top and mast arm electroliers.

4. All conductors of AWG #10 or larger shall be identified by printed and embossed labels. #1, #6, #8, #10 conductors shall be printed and embossed.
   a) Both printed and embossed labels shall clearly identify the UL listing, insulation type, voltage rating, AWG number, and the City of Sacramento.
   b) The printed label and the embossed label shall be placed at approximately 90 degrees separation around the center of the conductors.
   c) Labels shall appear every one foot interval. Embossed labels shall be between 0.002" to 0.003" in depth and shall not damage the conductors. Label heights shall be no less than 3/32" for AWG #8 or larger, and shall be no less than 2/32" for AWG #10.

3.5 COMMUNICATION EQUIPMENT

The following communication equipment shall be provided, installed and configured per the Plans and Special Provisions.

A. Network Switch with Power Supply

Network Switch shall be manufactured by Cisco, Model IE-2000-8TC-L or approved equal.

The network switch shall have the following:

- Power Supply shall be Cisco, PWR-IE50W-AC-IEC.
- Cisco 100Base – X small Form Factor Pluggable Module - Two (2) GLC-FE-100LX-RGD – Cisco device hot-swappable I/O device that plugs into Fast Ethernet ports, dual-rate Fast/Gigabit Ethernet ports, or Gigabit Ethernet ports of Cisco Switch linking the port with the fiber cabling network.

Network Switch shall meet the following requirements:

- Industrial grade
- DIN rail mountable
- Ethernet connectivity
- Operate under 14 degrees Fahrenheit to 140 degrees Fahrenheit, and under vibration and shock
- Eight (8) 10/100 Base-T Ethernet ports (Small Form0Factor Pluggable (SFP) downlinks)
- Two (2) gigabit combo ports: SFP
- Swappable SD flash card and mini-USB connector
- LAN lite Software
- 5-year warranty

For Type R cabinet, network switch shall be mounted on a DIN rail attached to aluminum stock for support. The DIN rail and aluminum stock shall be mounted to the cabinet channel rails.

The Contractor is responsible for making all connections per manufacturer recommendations.

Power Supply for Network Switch shall meet the following requirements:

- Compatible with Cisco IE 2000 Series industrial grade switch
- DIN rail mountable
- Input: 100-120 VAC or 200-240 VAC, manually selected AC, 50-60 Hz
- Operate under 14 degrees Fahrenheit to 140 degrees Fahrenheit, and under vibration and shock
- 5-year warranty

Power Supply for Network Switch shall be installed in cabinet.

For Type R cabinet, power supply for network switch shall be mounted on a DIN rail attached to aluminum stock for support. The DIN rail and aluminum stock shall be mounted to the cabinet channel rails. The Contractor is responsible for making all connections and shall be made per manufacturer's recommendations to insure that the switch is powered. See Plans for further details.

B. Surge Suppressor Power Strip
Surge Suppressors shall meet the following requirements:

- 120 VAC
- 60 Hz
- All metal housing
- Isolated filter banks
- 2350 joule/97,000 amps rating
- 6 outlets
- 6 foot cord

Surge Suppressors shall be manufactured by Tripp-Lite Power Protection, Model ISOBAR6ULTRA or approved equal.

Surge Suppressors are to be installed in Type R and Type 332 cabinets at locations where a network fiber or DSL switch are being installed as noted on the Plans. For Type R cabinet, the Surge Suppressor shall be mounted to the cabinet channel rail, and must be wired to the load side of the 15-amp main breaker in the cabinet. For the Type 332 cabinet, the Surge Suppressor shall be mounted on 2" aluminum stock on the back side of the cabinet near the top using the existing 19" rack. The Surge Suppressor must be plugged into the equipment receptacle on the back of the power assembly of the 332 cabinet. See Plans for further details.

C. Termination Block
Termination block shall meet the following requirements:

- EIA/TIA-568 Category 5e

- Terminates 22 - 26 AWG solid insulated cable
- Terminates 18 - 19 AWG solid stripped cable
- 25 pair capacity
- Fanning strips for horizontal cable management
- Made of high impact flame retardant thermoplastic
- Snap on cover

Termination block shall be manufactured by Siemon, Model S66M1-25 or approved equal.

The Contractor shall install and terminate signal interconnect and DSL equipment using specified terminal block at all locations where signal interconnect is terminated to DSL communication equipment. Connection to the terminal block shall be made per manufacturer's recommendation. Bridging clips shall be provided as required to connect interconnect and DSL equipment. Terminal block shall be installed to traffic signal cabinet channel rail using aluminum stock.

3.6 CCTV Camera System

A. General

The CCTV Camera shall be AXIS Q6115-E PTZ Dome Network Camera or pre-approved equal. System shall include PoE mid-span power injector, mounting brackets and cat 6 cabling.

The CCTV system for traffic monitoring shall connect to the city network through the Ethernet switch in the traffic signal cabinet. All cabling between the camera and the traffic signal cabinet shall be Category 6 (CAT6) outdoor rated communication cable. Camera shall be powered over the data cable via a mid-span high Power over Ethernet (PoE) injector. The Camera shall be rated commercial/industrial 24/7/365 outdoor uses. The camera shall be able to be tilted above horizon. The camera shall have an open and published API (Application Programmers Interface), allowing for integration with third party applications and it shall conform to the network video standard as defined by the ONVIF organization. Camera shall be equipped with a HTTP accessible web server to allow for programing, configuration, video streaming and PTZ controls, without the need for additional software.

B. Components

The camera system shall have following components:

Manufacture	Model Number	Description
AXIS	Q6115-E	PTZ Dome Network Camera
AXIS	T8124	High power PoE Mid-Span power Injector
Belden	7927A	Outdoor Rates Cat6 Cable
AXIS	39680	RJ45 PushPull connector
N/A	N/A	Category 6

C. Camera

The camera enclosure shall meet IP66 and NEMA 4X -rating and be made of aluminum. The dome shall be clear acrylic (PMMA) and include a sunshield (PC/ASA). The camera shall be IP based and support Motion JPEG and H.264 encoding, providing at least three individually configured video streams capable of 30 frames per second at resolution between 176x120 and (D1) 752x480 pixels or higher, using both Constant (CBR) and Variable (VBR) Bit Rates. It shall have high-speed pan and tilt control with a 360° endless pan range and a 220° tilt range and speeds between 0.05° - 450°/sec. The lens shall be least a 35x optical providing a horizontal angle of view between 55.8° and 1.73° and be capable of 12x digital zoom. The camera shall have the ability set up to100 pre-set positions. The lens shall have aperture capable of F1.4 – F4.2. It shall be equipped with Day/Night functionality, using a high quality IR-sensitive progressive scan CCD sensor. CCD sensor shall be able to provide pictures in lighting conditions down to 0.5 lux at F1.4 while in day mode (with IR-filter in use) and down to 0.008 lux while in night mode (with IR-filter removed). It shall incorporate automatic and manual white balance wide dynamic range functionality. It shall be capable of uploading and storing images and video recording via FTP, SMTP or HTTP or to local storage and shall include an expansion slot for a SD/SDHC memory card. Camera shall be powered with a PoE mid-span injector that meets high Power over Ethernet IEEE 802.3at standard.

D. Camera Interface

The camera shall connect to the traffic signal cabinet with Category 6 (CAT6) outdoor rated communication cable. All cable connections shall be CAT6 rated. Camera power shall be over the data cable via PoE injector. All data ports shall be 100BASE-TX Fast Ethernet-port, support auto negotiation of network speed (100 MBit/s and 10 MBit/s) and transfer mode (full and half duplex). The Camera shall be automatically detected using UPnP and Bonjour standards and provide support for both IPv4 and IPv6. The camera shall support both fixed IP addresses and dynamicIP addresses.

Camera shall connect through the network to the City's existing Cameleon camera control software by 360 Surveillance. The camera shall be fully capable of working with Cameleon software and shall allow full control of PTZ, focus, iris, and be able to present and display all video streams.

E. Mid-Span High Power over Ethernet (PoE) injector

The PoE injector shall power the camera and provide RJ-45 sockets for data passing through at 10/100/1000 Mbits per second. The injector shall have an input power of 100-240 Vac and be able to output at 55 Vdc at 1.35 amps. The injector shall meet the following standards IEEE 802.3af, IEEE 802.3at. The PoE injector shall be located in the traffic signal cabinet.

F. Communication- Power Cable and connectors

The camera shall connect PoE injector with Category 6 cable. The cable shall be Belden 7927A Multi-Conductor - Category 6 DataTuff® Twisted Pair Cable with Bonded-Pairs. It shall have 23 AWG bare copper conductors, polyolefin insulation, E-Spline center member, industrial grade sunlight- and oil-resistant PVC jacket, and a rip cord. Sequential markings at two-foot intervals

shall be shown on the cable and it shall allow the use of standard RJ-45 connectors. The cable shall connect to the camera with a RJ45 PushPull connector meeting IP66 environmental requirements and to the PoE injector with a standard RJ-45 connector.

G. Camera Mounting Option

Camera shall mounted as indicated on the plans. AXIS pole mount T91A67 shall be used for cameras that are to be mounted on the vertical shaft of the signal pole and AXIS Parapet mount T91A62 mounted for camera that are to be mount on the horizontal signal mast arm.

All mounting hardware shall be stainless steel. The cable holder in the mounting bracket shall hold the communication cable in place. The cable shall have enough slack for easy removal of the camera. All holes drilled into poles or signal mast arms shall have a rubber grommet to protect the communication cable.

H. Functional Test

The camera shall be installed and wired per the manufacturer's recommendations and shall power up and have a viewable video feed. Camera shall be fully controllable.

3.7 DETECTOR CONDUCTOR LOOP

A. Loop Conductors

Each loop conductor shall be continuous, unspliced, Type RHW-USE neoprene-jacketed or Type USE crosslinked polyethylene insulated No. 12 stranded copper wire. Conductor insulation thickness shall be 40 mils minimum.

B. Loop Conductor Installation

Detector loop installation shall conform to these Special Provisions and the State Standard Plans, Sheet ES-5A.

Unless otherwise specified, each loop shall be three (3) turns of conductors for each detector loop. Unless otherwise shown or noted on the Plans, each new detector loop shall be 6' x 6' and centered in the travel lane.

Slots cut in the pavement shall be blown out with compressed air and dried and inspected for any sharp objects or corners which shall be removed prior to installation of loop conductors.

The loop conductors shall be installed in the slots using a 5/16" to 1/4" wooden paddle. As it is installed, the wire shall be kept under slight tension and shall be kept in the slots with suitable cardboard wedges. The cardboard wedges shall not be removed until the loop sealant operation requires removal.

Loop conductors shall be installed without splices and shall terminate in the Nearest pull box. The detector loops shall be joined in the nearest pull box in combination of series and parallel so that optimum sensitivity is obtained at the sensor unit. Final splices between loops and lead-in cable shall not be made until the operation of the loops under actual traffic conditions is approved by the Engineer. Each detector loop shall be identified and tagged by loop number, start (S), and finish (F). For example: Phase 4D1-1S & Phase 4D1-1F; Phase 4D1-2S & Phase 4D1-2F.

All loop conductors for each direction of travel for the same phase of a traffic signal system in the same pull box, shall be spliced to a cable which shall be run from the pull box adjacent to the loop detector to a sensor unit mounted in the controller cabinet. Splices to the cable shall be made in pull boxes only. All splices to the lead in cable and between loops and the lead in cable shall be soldered as specified in State Specifications in Section 86-2.09C, "Connectors and Terminals". Open flame soldering will not be permitted.

Each detector loop circuit shall be tested for continuity, circuit resistance, and insulation resistance at the controller location. The loop circuit resistance shall not exceed 0.50 ohms plus 0.35 ohms per 100 feet of lead-in cable. The insulation resistance shall be performed between each circuit conductor and ground. The meggared insulation resistance shall not be less than 200 megohms. The Contractor shall replace any detector loop that fails this requirement at the Contractor's expense.

1. Depth of Loops and Conductors in the Traveled Way

   All conductors and conductor loops installed in the traveled way shall be installed so that the top of the conductor is a minimum of one-inch (1") below the surface grade of the street.

2. Inductive Loop Sealant

   Only the following methods may be used for inductive loop sealant:

   Asphaltic Emulsion and Sand Method

   1) Immediately after the loop wires have been installed, the slot shall be filled with an anionic asphaltic emulsion conforming to the State Standard Specifications for Rapid Setting No. 1 (RSI).

   2) Dry 20 mesh sandblasting sand shall then be poured in and around the slot. A suitable and approved tool shall then be used to work the asphaltic emulsion up through the dry sand.

   3) The slot will then be inspected for any dry spots in the sandfill. Any dry sand spots will then be wetted with more asphaltic emulsion.

   4) More dry sandblasting sand shall then be added to the slot and the asphalt emulsion will again be worked up through the sand until a uniform mix of

asphaltic emulsion and sand with no voids completely fills the slot to the level of the surrounding road surface.

5) A final thin layer of sand will then be added to surrounding surface to absorb the excess asphaltic emulsion.

6) The traveled way may be opened to vehicular traffic immediately after installation of the asphaltic emulsion and sand loop sealant.

Hot-Melt Rubberized Asphalt Sealant Method

Hot-melt rubberized asphalt sealant shall conform to, and be installed in accordance with State Specifications Section 86-5.01A(5) and as directed by the Engineer.

Sackrit Method

After conductors are installed in the slots cut in the pavement, paint binder shall be applied to all vertical surfaces of slots in accordance with the provisions in Section 94, "Asphaltic Emulsions", of the State Standard Specifications. The slots shall then be filled with asphaltic concrete sealant.

Asphaltic concrete sealant shall be a mixture of sand and liquid asphalt. The percentage of sand in the asphaltic concrete sealant shall conform to the following:

Screen Size	Percentage Passing
#4	100%
#8	91%
#16	63%
#30	39%
#50	24%
#100	10%
#200	7%

The sand shall be uniformly mixed with six percent (6%) SC800 liquid asphalt conforming to Section 93 of the State Standard Specifications.

Temperature of sealant material during installation shall be above 70 degrees F. Air temperature during installation shall be above 50 degrees F. Sealant placed in the slots shall be compacted by use of an eight-inch (8") diameter 1/8" thick steel hand roller or other tools approved by the Engineer. Compacted sealant shall be flush with the pavement surface. Excess sealant remaining after rolling shall be reused. Traffic may be released immediately over compacted material.

C. Abandonment of Loop Conductor

Each detector loop shall be saw-cut in a minimum of two places.

3.8 DETECTOR HANDHOLES

Where shown on the Plans, detector loops shall be sawcut into detector handholes. Detector handholes shall be Type B and shall be installed as shown in Traffic Signals/Street Lighting Standard Details in the Plans sheets, unless otherwise noted or directed by the Engineer. No splicing will be allowed in the detector handholes. For detector handholes to be removed, holes or depressions resulting from the removed handhole shall be filled, compacted, brought to grade, and filled to match surrounding materials.

3.9 DETECTOR LEAD-IN CABLE

Detector lead-in cable shall be "Canoga" Type 30003, or approved equal. Detector lead-in cable shall conform to the following Special Provisions:

Lead-in cable shall consist of four (4) No. 18 A.W.G. stranded copper conductors insulated with nine (9) mils minimum of polypropylene, color coded, parallel laid, twisted together with four to six turns per foot. An amorphous interior moisture penetration barrier shall be provided to prevent hosing, siphoning, or capillary absorption of water along cable interstices. The outer jacket shall be thirty (30) mils minimum in thickness, high density polyethylene conforming to ASTM Designation: D-1248, 65T for Dielectric Material, Type I, Class C, Grade 5, J3. The diameter of the cable shall be approximately .25 inch.

Aluminum-polyester shielding shall be applied around the conductors.

The detector lead-in cable shall be continuous from the pull box adjacent to the conductor loops to the controller unless otherwise shown on the Plans.

Splicing of detector lead-in cables to loop conductors and splicing of detector cables when called for on the Plans shall be as follows:

1. Splices shall be made in pull boxes only. All splices to lead in cable shall be soldered.

2. The ends of the splice shall then be inserted into an approved insulated spring type connector of the correct size.

3. The splice shall then be insulated by "Method B" of the State Standard Plans Sheet ES-13, or as directed by the Engineer.

4. When detector cables and detector loops are initially installed, precautions shall be taken to insure the cables and loops remain water tight prior to splicing. If splicing is not to be done immediately after installation, the ends of the conductors and cables shall be dipped in electrical insulating liquid which shall render them water tight. The insulating liquid shall be fast drying, resistant to oils, acids, alkalies and corrosive atmospheric conditions and shall be compatible with the insulations used in the conductors and cables.

All conductors and cables shall be installed and splices shall be made in a dry environment.

3.10 EMERGENCY VEHICLE DETECTOR SYSTEM – GPS PRIORITY CONTROL SYSTEM

The GPS Emergency Vehicle Detector System shall be fully compatible with the City's existing GPS system. The Contractor shall provide and install the following GPS Emergency Vehicle Detector System equipment manufactured by Global Traffic Technologies (GTT) or approved equal.

A. Intersection GPS Emergency Vehicle Detector System Components

Intersection GPS Emergency Vehicle Detector System components shall include the following:

- Opticom GPS Phase Selector – Model 764
- Opticom GPS Radio Unit (shaft mount) – Model 1010
- Opticom GPS Auxiliary Interface Panel – Model 768
- Opticom GPS Card Rack with power supply kit – Model 760
- Opticom Intersection Cabling, Model 1070
- Opticom Mounting Hardware

C. Installation

The Contractor shall provide, fully install, and configure the GPS Emergency Vehicle Detector System per the Plans and Special Provisions. The Contractor shall terminate all wiring and provide all necessary programming software and electronic manuals. The Contractor shall map approaches, program and configure input/output of all GPS phase selector cards per manufacturer's recommendation and City standards. The Contractor shall install the Auxiliary Interface Panel in controller cabinet and terminate all wiring connections.

The GPS unit shall be mounted to the shaft of the traffic signal mast arm pole using a Pelco Astro Mini Bracket with 90 degree sweep or approved equal. See Plans for further mounting details. All GPS cabling and mounting hardware which includes NPT mounts, nipple/pipe, cable retainers, cover screws, wiring covers, etc. shall be included in the bid price. The GPS unit shall be mounted to allow the maximum GPS signal strength reception from GPS satellites and shall meet manufacturer's recommendations. The mounting location of the GPS unit should be such that the cable run from the GPS unit to the phase selector in the controller cabinet is no more than 250 feet. The GPS unit shall be oriented such that the cable retainer is facing an area from which vehicles will not be approaching and/or per manufacturer's recommendation.

D. Functional Test

GPS Phase Selector, GPS Unit, and GPS Auxiliary Interface Panel shall be installed, powered, and programmed per manufacturer's recommendation and City standards. The GPS system shall be able to detect vehicle up to 1500 feet from the intersection. The Contractor shall conduct

functional tests for all approaches to the intersection. The system shall provide phase green for the preempted approach. The City shall program the traffic signal controller for preemption functionality as needed.

3.11 FIBER OPTIC

Fiber Optic Cable Requirements

Fiber optic cable shall be Corning Altos All-Dielectric Gel-Free or approved equal.
The Contractor shall use the following cable types as listed below or approved equal.

Description	Part Number	Manufacturer
12 Strand	012EU4-T4101D20	Corning
24 Strand	024EU4-T4101D20	Corning
48 Strand	048EU4-T4101D20	Corning
96 Strand	096EU4-T4101D20	Corning

B. Fiber Optic Cable Installation

1. Contractor shall install all fiber optic cable per manufacturer's recommendations and the City's Plans and Special Provisions.

2. All splice work will be performed by the City, or City Approved Contractor. All patch panels and splice materials will be provided by the City or City Approved Contractor.

3. The Contractor shall test all fiber optic cable spans after installation (Bare Fiber Testing). Testing results must be provided to the City Inspector. The City shall review test results and accept or reject the cable within 5 working days. If accepted by the City, and the Contractor shall submit a request to the City to perform splice work. If rejected, the Contractor shall replace the cable and retest.

4. The Contractor shall maintain a record of all sheath footage markings for each cable span. Hard and soft copy of all records shall be provided to the City with test results along with the program to review the soft copy of the test results.

5. Existing fiber optic cable must be protected from damage. The Contractor shall contact the City Inspector twenty four (24) hours prior to working near any existing city fiber optic cabling.

6. During installation the tensile force shall not exceed 600 lbs. The Contractor shall use a break away swivel, or a slip-clutch capstan, set for less then 600 lbs. pulling tensile strength.

7. Fiber marking tags shall be installed on fiber optic cable in every pull box. The tags shall be non-adhesive, Hellermann-tyton 4" fiber optic marker, part number CMFO4 or approved equal.

8. The Contractor shall install Arnco Bull Line Part #WP12LC (with trace wire) or approved equal with the fiber optic cable.

C. Fiber Optic Cable Testing (Bare Fiber Testing):

All testing shall be performed according to the Telecommunications Industry Association (TIA) Technical Service Bulletin TSB-140, "Additional Guidelines for Field – Testing Length, Loss and Polarity of Optical Fiber Cabling Systems."

1. The Contractor may test the fiber optic cable prior to installation, but must test fiber optic cable after installation.

2. The Contractor shall test all fibers in the cable.

3. A continuity test using a power meter shall be used for 12 strand cables less than 200 feet. Power reading shall be provided with test results.

4. The Contractor shall use both a power meter test for continuity and an optical time domain reflectometer (OTDR) to test all other cable spans greater than 12 strands and longer than 200 feet. Proof of Calibration of all fiber optic test equipment may be requested by the inspector at any time, and must be provided along with the test results.

5. The fiber cable shall meet or exceed ANSI/EIA/TIA – 568B.3 and the latest BICSI TDMM Standards.

6. Test Results shall include the following:
   a. Total fiber length
   b. Individual fiber traces for complete fiber length
   c. Losses of all anomalies
   d. Wavelength tested and measurement directions
   e. Manufacturer, model number and serial number of test equipment
   f. Name, signature and company technician/engineer
   g. Test Equipment Calibration Certificate for all fiber test equipment
   h. Test Date

7. The Contractor shall provide the test results to the City Inspector. If fiber cable fails to meet cable testing standards and are not approved by the City, the Contractor shall remove the failed fiber optic cable and replace with new fiber optic cable at no additional cost to the City. New fiber optic cable shall be tested according to cable testing requirements in these Special Provisions.

3.12 FOUNDATIONS TO BE ABANDONED

Foundations to be abandoned shall be in accordance with Section 34-8 of the Standard Specifications. The top part of the foundation, anchor bolts, and conduits shall be removed to a depth of two feet (2') below the surface of sidewalk or unimproved ground. The resulting hole shall be backfilled with material equivalent to the surrounding material.

3.13 INSPECTION

Inspection shall be in accordance with Section 34-22 of the Standard Specifications and these Specifications.

3.14 INTERCONNECT CABLE

Interconnect Cable shall not be spliced.

he Contractor shall tone interconnect to match pairs. The Contractor shall terminate traffic signal interconnect at all locations where DSL communication equipment is used as noted on the Plans. The signal interconnect shall be terminated using termination blocks and be terminated as follows:

Termination Block					
DSL Link 1 Pair #	**Interconnect Pair Color**	**Side of Block**	**Side of Block**	**Interconnect Pair Color**	**DSL Link 2 Pair #**
1	Blue/White	Left	Right	Blue/White	1
3	Orange/White	Left	Right	Orange/White	3
2	Green/White	Left	Right	Green/White	2
4	Brown/White	Left	Right	Brown/White	4

Interconnect cable shall conform to the following specifications:

12 Twisted Pair Shielded Interconnect Cable - Interconnect cable shall conform to Rural Electrical Association (REA) Specifications: PE-22 for polyethylene insulated and jacketed telephone cable. The cable shall consist of 12 twisted pairs of No. 19 solid copper conductors with an overall shield. Prior to delivery of the cable, Contractor shall furnish the Engineer a certified report of the tests made on the cable to show compliance with the above mentioned specification.

Each end of the cable shall be properly sealed against moisture intrusion and shall be protected against injury.

a. Cable Installation - The cable shall be installed as shown on the Plans and only under dry conditions. The cable shall only be spliced at the locations shown on the Plans. A minimum of five feet (5') of slack cable shall be left coiled in each pull box. The ends of all cables shall be taped and made waterproof by dipping in an approved sealer prior to being installed in conduit and prior to being left overnight.

   Unless otherwise specified by the Engineer, field terminations of interconnect cable in the controller cabinets will be made by Contractor to provide a fully functional system.

b. Cable Testing After Installation - The interconnect cable shall be installed and ready for cable testing (as specified below, 20 working days prior to anticipated use of said cable).

Each insulated conductor in each length of completed cable, with all other insulated conductors grounded and shield grounded, shall have an insulation resistance of not less than:

Cable Lengths	500 Ft.	1000 Ft.	1500 Ft.	2000 Ft.
Megohms	500	250	160	125

This test shall be made using a 500-volt megohm meter applied for one (1) minute. The test may be terminated within the minute as soon as the measure demonstrates that the specified value has been met or exceeded.

The direct current (D.C.) resistance of each pair shall be measured by connecting each pair together at one end of the cable and loop resistance measured at the other end. The maximum resistance shall be 0.00805 OHMS per linear foot plus or minus 10% for a single #19 AWG conductor.

If the cable being tested fails any one or more of the above tests then the Contractor is obligated to seek out and repair the failure immediately. No extension of time or compensation will be allowed for repair of failure. All tests and corrections of failures shall be documented and shall be available for future reference.

3.15 MASTARM STREETLIGHT

A. General

Mastarm streetlights standards, Type 15, and foundation shall be in accordance with the latest California Department of Transportation Standard Plans, unless otherwise specified in these Special Provisions and Plans. Remove concrete forms on poles upon project completion. Remove all plywood, forms, excess and leftover concrete, and other debris as a result from construction upon project completion.

B. Luminaire

Luminaires to be installed shall be specifically designed for LED use and rated for up to 100,000 hours of operation. Luminaires shall be designed to produce asymmetric distributions conforming to the Illuminating Engineering Society light pattern Type III unless otherwise specified. Luminaire shall utilize a heat sink to efficiently draw heat away from the LED chipset.

The units shall be suitable for two-inch (2") slip filter and mounting.

All new luminaires to be installed shall be inspected by the Engineer prior to installation. Luminaires shall be supplied without photo cell receptacles unless otherwise called for the Plans. All luminaires supplied with photo cell receptacles that will not be used shall be required to completely bypass the receptacle and a shorting plug shall be securely installed in the receptacle.

C. LED

The following luminaires are approved products for mastarm streetlights:

- Philips Road View Model 135W80LED4K;
- Cooper Navion Model NVN AA 02 T3A 10K 4 AP OA/RA1014; or
- Leotek GreenCobra Model GC1-60F-MV-NW-3-GY-700.

The luminaire shall be type III with a minimum CRI of 70 and a CCT of 4000K, unless otherwise specified.

See "Equipment to be Supplied" section of this special provision for submitting approved equal products.

3.16 METERED ELECTRICAL SERVICE

The new metered service pedestal shall be supplied and installed as shown on the Plans and shall conform to the serving utility requirements. Service shall be wired for 120/208 volts or 120/240 volts and single phase as shown on the Plans. The Contractor shall connect the luminaires to the circuits designated on the Plans. Contractor shall also install the service conduit and wires to the SMUD service point in accordance with SMUD's requirements. The Contractor shall protect and lock the service pedestal during construction. After construction is completed, the Contractor shall provide for each pedestal a master lock which will accept a Type 2214 key.

The service pedestal shall be fabricated in accordance with the dimensions shown on the service pedestal detail drawing in the traffic signals / street lighting standard details in the plan sheets. The overall dimensions of the enclosure shall be 63" high x 12" wide x 7.25" deep. The service pedestal shall consist of a separate metering section and a service section. The meter section shall have a removable cover-top, side, and front sections welded together so that it is rain tight and padlockable.

The service pedestal shall be fabricated from 14 gauge Type 304D stainless steel and as described under the following paragraph in the Caltrans Standard Specifications section 86-3.07A, "Cabinets fabricated from stainless steel shall conform to the following:". The mounting brackets shall be 10 gauge Type 304D stainless steel. All welds shall be of highest quality and ground smooth and finished so that grind marks are not visible.

The enclosure shall be rain tight and dust tight. All welds shall be ground smooth and finished so that grind marks are not visible. A hinged dead front plate with cutouts for the handles of the breakers and the switch shall be provided in addition to a hinged outside door equipped with a draw latch suitable for padlocking. Galvanized anchor bolts shall be inside or outside the service pedestal as shown on the Plans. 5/8" x 18" x 4" Anchor bolts (set of 4) shall also be provided. The enclosure shall have no screws, nuts, or bolts on the exterior, except utility sealing screws.

All screws, nuts, bolts, and washers shall be stainless steel. All hinges and hinge pins shall be stainless steel. No surface of the pedestal shall be deflected inward or outward more than 1/16" measured from the intended plane of the surface.

A hinged dead front plate with cutouts for the handles of the breakers and the switch shall be provided. A hinged outside door equipped with a heavy duty draw latch and two (2) heavy duty hasps suitable for padlocking shall be provided for the service section. The dead front panel on the service enclosure shall have a continuous stainless steel piano hinge.

Service enclosures shall be factory wired and conform to NEMA Standards. All control wiring shall be stranded copper, No. 14 AWG THHN/THWN rated for 600 Volts. All control wiring shall be marked with permanent clip sleeve wire markers. Felt, pencil, or stick back markers will not be acceptable. A copy of the wiring diagram for the service pedestal shall be enclosed in plastic and mounted on the inside of the service section.

The terminal lugs or strips shall be copper or alloyed aluminum. All terminals shall be compatible with either aluminum or copper conductors.

The service pedestal shall have provisions for the installation of up to a total of 16 single-pole circuit breakers, including brass links and mounting hardware. All copper wiring used for main bussing shall be No. 2 AWG THHN/THWN and rated for 125 amperes. Branch circuit panel shall use loop wiring rated for 105 amperes with THHN/THWN insulation. All circuit breakers, contactors, and wire shall be listed by UL or ETL. The pedestal shall conform to the NEMA 3-R standard.

Nameplates of a reasonable size identifying the control unit therein shall be installed on the dead front panel. Nameplates shall be black laminated with a white plastic center. All nameplates shall be fastened by screws.

The entire service pedestal shall be constructed with the highest quality workmanship and shall meet all applicable codes. Complete submittal drawings on all substitutions shall be submitted to the Engineer in accordance with Section 34-3 of the Standard Specifications. If the proposed substitute is rejected or if the submittal is not made within the specified time, the specified equipment shall be furnished.

Street light "ON" and "OFF" control will be by photo-electric cell. All conduits and wires shall be furnished and installed by the Contractor. Photocell 120 VAC by Tork (5001M) or approved equal.

Mounted in each metered service pedestal shall be the following equipment:

1. Two (2) 100Amp, 2 Pole, 120/240V, 10KAIC circuit breakers. Each main breaker shall have internal common trip. Each pole shall have individual on-off control and handle tie for common operation. Breaker shall be Siemens or approved equal.

2. One (1) 15Amp, 1 Pole, 120/240V, 10KAIC circuit breaker for control circuitry. Breaker shall be Siemens or approved equal.

3. Two (2) 60 Amp, 1 Pole, 120/240V, 10KAIC circuit breakers for traffic signal. Breakers shall be Siemens or approved equal.

4. Six (6) 40 Amp, 1 Pole, 120/240V, 10KAIC circuit breakers for street lighting. Breakers shall be Siemens or approved equal.

6. Two (2) 60 Amp, 3-pole, 120/240V contactors. Normally open, mercury contactors. Contactors shall be Durakool, or approved equal.

7. One oil tight "Hand-Off-Auto" selector switch.

8. One solid copper neutral bus.

9. Incoming terminals (landing lugs).

10. Solid neutral terminal strip.

11 Terminal strips for conductors within the cabinet.

3.17 PULL BOXES

Shall be in accordance with Section 34-11 of the Standard Specifications, except for the following:

a. All new pull boxes shall be set in place prior to pouring any new sidewalk.

b. Existing pull boxes damaged by the installation of new conduits shall be removed and replaced at the Contractor's expense as directed by the Engineer.

c. All pull boxes shall be placed in sidewalk areas unless otherwise specified on the plans or directed by the Engineer, and shall not be placed in driveways, in vehicular traveled lanes, or in any part of the new sidewalk handicap ramp areas. Unless otherwise specified, pull boxes shall be placed a minimum of 5 feet from existing driveways.

d. Contractor shall cut, remove and replace the concrete to the nearest joint when installing new pull boxes.

e. New pull boxes shall have a minimum of 6" of new concrete around all sides in sidewalks.

f. For pull boxes to be removed, holes or depressions resulting from the removed pull box shall be filled, compacted, brought to grade, and filled to match surrounding materials.

g. Pull boxes shall be placed as shown according to the details shown on the Plans and according to these Special Provisions.

h. Install pull box on top of crushed rock foundation. Adjust pull box to grade. The crushed rock foundation shall have a minimum of 12" in depth and continue to extend a minimum of 6" beyond the outside edge of the pull box. Compact crushed rock while maintaining integrity of conduit. Conduit and pull boxes shall not be damaged nor cracked.

i. In instances where the pull box is installed in a planter box or dirt areas, the pull box shall be set to grade with a concrete ring, as shown in the standard detail drawings.

j. All No. 5 and No. 6 Pull Boxes shall have steel security lids with locking key bolt.

1) Pull Box Lid shall be manufactured by LockLid Secure Utility Enclosure Lids manufactured by Jensen MetalTech or approved equal. (#5 PB - Locklid 1324 Lid LL K-S TrxPlt Sac Glv; #6 PB – LockLid 1730 Lid LL K-SD TrxPlt Sac Glv). The City of Sacramento has also approved Sipra Corp's Lockjaw! Security lids, and WESCO's Mr. Steel Security lids.
2) Lid shall be ¼" thick minimum galvanized steel.
3) Lid shall be manufactured with slip resistant surface.
4) Lid shall be non-traffic rated, unless otherwise specified.
5) Lid shall be equipped with a lock mechanism which can be secured from the top of lid.
6) Lock shall be recessed in a1 inch diameter circle. Lock shall be a Secure Keyed Bryce Fastener, or approved equal.
7) A steel welding plug shall be provided by the manufacturer to be inserted into the 1 inch diameter recessed lock. (Locklid # Plugs Sac Stl Plgs LkLd Lids, or approved equal).
8) Lid shall be flush with top of pull box when the lid is completely secured and locked to the pull box.
9) No. 5 pull boxes shall have a single cam locking system, or approved equal.
10) No. 6 pull boxes shall have a double cam locking system, or approved equal.
11) Lid shall have a grounding lug.
12) Supply five sets of keys for the locks.
13) Supply two sets of lifting tools for the lid.
14) Lid shall be free of scratches, defects, and debris. Lids shall be installed new.
15) SIPRA Corp Lockjaw Utility Box Security Lid is also an acceptable product. Galvanized lid. No electric markings on lid. 3/16" Diamond Plate. Provide three sets of locking tools for project.

3.18 TRAFFIC SIGNALS AND FITTINGS

Traffic Signal Standards and Lighting Standards shall be in accordance with the latest California Department of Transportation Standard Plans, unless otherwise specified in these Specifications or Plans.

A. Forms and Concrete and Debris

Remove concrete forms on traffic signal standards and service pedestals upon project completion. Remove all plywood, forms, excess and leftover concrete, and other debris as a result from construction upon project completion.

B. Vehicle Signals

All signal heads, louvers, backplates, and framework shall come in black color.

Each mast arm mounted signal head shall be all 12" diameter sections.

Vehicle signal housings shall be either die cast or permanent mold cast aluminum conforming to ANSI Standard D-10.1. Vehicle signal faces shall conform to Section 86-4.01, "Vehicle Signal Faces", of the State Standard Specifications.

Metal backplates shall be provided for all vehicle signal heads furnished. Backplates shall be louvered, not solid.

Traffic signals shall utilize tunnel visors.

All traffic signal lamps shall be accessible from the front of the traffic signal head and shall be directly accessible for removal and replacement by the opening of the hinged front lens section and hood. Backplates for MAS mounted vehicle signal heads shall have approved filler plates to prevent light from showing through at the elevated plumbizers.

C. Light Emitting Diode (LED) Signal Modules

ALL SIGNAL HEAD DISPLAYS SHALL BE LED MODULES.

LEDs shall have full ball appearance. Dialite 443 Series or approved equal.

Maximum power consumption requirements for LED signal modules shall be as follows:

Description	25°C	74°C
12" Circular	25.0 W	30.0 W
12" Arrow	15.0 W	18.0 W

All LED modules shall meet California Department of Transportation (CalTrans) and Institute of Traffic Engineer (ITE) minimum requirements. CalTrans specifications shall take precedence and supercede all ITE requirements if there are requirement conflicts.

D. Pedestrian Signals

All pedestrian display shall be the combination Raised Hand/Walking Person figure and Countdown timer only. All pedestrian heads and framework shall come in black color.

Pedestrian signal face modules shall be designed to mount behind or replace the existing faceplate of Type A Pedestrian housings as specified by the requirements of the ITE Standards, "Pedestrian Traffic Control Signal Indications", and the MUTCD. The pedestrian signal shall have an operating range of 80VAC to 135VAC. The pedestrian signal shall be fused and provide transient suppression for protection of line and load. The pedestrian signal shall have a high power factor > 0.9. The pedestrian signal shall have < 20% harmonic distortion.

The design of the modules shall require a specific mounting orientation. Each module shall provide an average luminous intensity of at least 3,750 candela/m2 for Upraised hand and 5,300 candela/m2 for the Walking person symbol throughout the useful life over the operating temperature range.

The uniformity ratio of an illuminated symbol shall not exceed 4 to 1 between the highest luminance area and the lowest luminance area in the module.

The color output of the module shall conform to the requirements of the ITE: "Pedestrian Traffic Control Signal Indications" and the MUTCD.

The Hand Man symbols shall conform to all applicable ITE and CalTrans requirements. Raised Hand shall be Portland orange. Walking figure shall be lunar white. The module shall not require special tools for installation. The module shall fit securely into existing pedestrian signal section housings built to the PTCSH specifications without modification to the housing.

The pedestrian signal face shall be no less than 16" high. Aluminum housing.

The modules shall be a self-contained device, not requiring on-site assembly for installation into an existing Type "A" housing. The pedestrian signal shall be capable of displaying the LED "Raised Hand" legend. The numeral portion shall consist of two (2) seven segment digits, constructed of a minimum of 2 rows of LED's, simultaneously. The pedestrian signal shall use overlays to diffuse the LED's and provide uniform light dispersion while keeping the symbols clear and distinct. The signal shall be configurable, such that the countdown timer can start at the beginning or the end of the "Walk" portion of the pedestrian phase. Initially, the Contractor shall set the signal such that the Countdown timer starts at the beginning of the flashing "Don't Walk/Raised Hand" portion of the phase and ends at the beginning of the solid "Don't Walk/Raised Hand" portion of the phase.

Modules shall have filled hand/man.

E. Mounting Hardware

All slipfitters and terminal compartments shall be cast bronze. Clam shell mounting assemblies shall not be used.

F. Pedestrian Pushbuttons

The pedestrian pushbuttons shall conform to Section 86-5.02, "Pedestrian Pushbuttons", of the State Specifications and these Specifications. Pedestrian pushbuttons shall be Type B and meet all American Disability Act (ADA) requirements. The diameter of the actuator shall be 2-inch minimum.

The pedestrian pushbuttons shall be magnetic switch type pushbuttons in heavy cast aluminum or highly durable corrosion-proof housings. The buttons shall be a high visibility yellow. The instruction sign shall be a minimum 20 gauge enameled steel, 5" x 7-3/4" and shall display the appropriate sign for international symbol signals. The mounting height of the pedestrian push button shall be as specified in the latest CalTrans Specifications. Frame shall be black.

G. Traffic Signal Standards

All mounting hardware to be furnished by the Contractor shall be galvanized.

H. Battery Back-Up System (BBS)

Contractor shall provide and install the Battery Back-Up System if specified on the planset. The Battery Back-Up System shall comply with the latest California Department of Transportation specifications and requirements. The BBS shall be in complete compliance with City of Sacramento NEMA controllers and cabinets. The battery back-up unit and batteries shall be contained in a separate cabinet. Clarey Model SP1000SN (Plus) or equal. BBS shall only be provided and installed if specified in the plans.

I. Accessible Pedestrian Signal (APS)

The Accessible Pedestrian Signal (APS) shall be manufactured by Polara Engineering, Inc (Model: EZ Communicator 2 Wire Navigator APS).

APS shall be installed in accordance with the City of Sacramento's APS Implementation Guidelines. The APS consists of three primary components: Pedestrian Interface Units, a Control Unit, and a System Programmer.

1) Pedestrian Interface Unit:

a. A Pedestrian Interface Unit (PIU) receives pedestrian crossing requests and provides visual, audio, and speech pedestrian messages to aid street crossing. The PIU shall be installed per the latest requirements of the California MUTCD. The PIU shall be suitable for installation on a typical pedestrian signal pole with no special tools required. Where pedestrian clearance time is such that pedestrians must wait at a median, a PIU may be provided in the median so long as median meets the minimum accessibility requirements. The PIU shall be constructed of cast aluminum or equal, painted with yellow background, black crossing logo, a tactile arrow indicating the direction of crossing it services, and an integrated two-inch diameter pushbutton. The pushbutton shall be of cast aluminum, painted yellow, rated at 100 million activations minimum at up to 2 lbs force. When these features are activated, the PIU shall confirm each pushbutton activation by visual, audio, and vibrotactile feedback. Visual messsages shall be by high intensity LED at 1200 mcd minimum, with 160 degree visibility cone.

b. Audio messages shall be via integrated, sealed, and weatherproof speakers capable of emitting locator tone, cuckoo, chirp, and speech messages. Audio output shall be up to 10 watts RMS. Each audio output shall have an automatic volume control up to 28dB. There shall be independent maximum and minimum volume settings for locator, walk, and clearance. Audible locator tone shall be at 880 Hz, 100 msec duration, 1 sec interval. Audible "Chirp" shall be between 1700 Hz to 2700 Hz, 200 msec duration, 1 sec interval. Audible "Cuckoo" shall be 1000 Hz and 1250Hz, 600 msec duration, 1.8 sec interval. Each pushbutton activation shall cause an audible click. An extended activation on any pushbutton shall mute the entire intersection except selected crosswalk. All audible tones and sounds shall be synchronized to minimize confusion and audio clutter.

c. Vibrotactile shall be integrated into the pushbutton and shall be energized during the WALK interval.

d. The PIU shall be speech message capable. When activated, speech message volume shall be adjustable up to a maximum of 89 dB and up to 5 dB above the ambient noise measured at the PIU level. Speech messages shall include programmable pushbutton and crossing messages. Pushbutton message shall be, "Wait to cross (name of street) at (name of other street.)" Crossing message shall be, "(Name of street.) Walk signal is on to cross (name of street.)" For exclusive pedestrian phases, the crossing message shall be, "Walk signal is on for all crossings." Speech messages shall repeat at the rate of 1 hertz from the beginning of the appropriate phase to the end of the phase.

e. The PIU shall operate in temperatures between -20 to +150 degrees F.

2) Control Unit:

A Control Unit (CU) provides the interface between the traffic signal controller and PIUs. It passes through pedestrian crossing requests from PIUs to the controller

while relaying WALK and clearance timing from the controller to PIUs. The CU shall be a shelf-mounted or rack-mounted unit compatible with TS1, Type 170, and Type 2070 controllers housed in Type R or 33X -series cabinets. Each CU shall be able to control up to 12 PIUs. The CU shall interface with the controller and PIUs via optically isolated input/output up to 36 volts. The CU shall maintain system settings and diagnostic data retrievable by the System Programmer described below. The CU shall operate in temperatures between -20 to +150 degrees F.

3) System Programmer:

A System Programmer (SP) enables PIUs to be configured with visual, audio, and vibrotactile settings suitable for crossing operations. The SP shall be security-coded and shall communicate with the CU and PIUs via infrared or radio communications. The SP shall be capable of global or individual configuration setting and edit. The SP shall be hand-held, portable, and tamperproof. The SP shall be capable of self diagnostic and remote fault report via wireless communication. The SP shall operate in temperatures between -20 to +150 degrees F.

3.19 TRAFFIC SIGNAL CONTROLLER, ATC EX, NEMA TS2 TYPE 1

A. McCain ATC eX - Traffic Signal Controller TS2 Type 1 NEMA

The Contractor shall supply McCain ATC eX – traffic signal controller TS 2 Type 1 NEMA with D4 software preloaded. Controller shall have SDLC ports (2) including SP3 routed to NEMA TS 2 Port 1, serial (asynchronous) on front panel (3), ENET 1:100 Base-T Ethernet switch, 1 uplink and 3 additional ports, ENET 2:100 Base-T Ethernet port dedicated for local communication , USB ports (4), display with 16 lines x 40 characters, keyboard with 7x4 keypad (28 key), shelf mount configuration.

B. Traffic Signal Controller Software

The Contractor shall install Fourth Dimension (D4) Traffic Signal Controller software on controller assembly. The most current version of D4 Traffic Signal Controller software, at the time of controller delivery, shall be fully configured in the McCain ATC eX NEMA controller TS2 Type 1.

The Contractor shall provide license to the city for the D4 software and shall include basic support and integration for use of this software.

Traffic Signal Controller Software Contact is: Fourth Dimension Traffic, Tod Eidson, c/o Advanced Traffic Solutions, Attn: Eric J. Nelson, 3505 Safe Road, Suite 2309, Houston, TX 77056-7182, Phone 832-405-8577. Email: eric@advtraffic.com

C. Manuals

All controllers and software provided under this specification shall be provided with product/operational manuals, which document the operation and maintenance of the equipment in compliance with TEES. The Contractor shall submit operating manuals, technical data sheets, product cut sheets, and any associated documentation for the controller unit delivered as part of this specification. Manuals shall be printed on 8.5" x11" paper. Schematic, layouts, parts list, and plan details may be on 11"x17" sheets. The manuals shall be bound in durable covers, and shall not suffer degradation when subjected to normal cabinet temperature testing. All manuals with printed copies shall be also be submitted electronically.

D. Warranty.

The traffic signal NEMA controller TS2 Type 1 and components/modules shall have a full warranty for manufacturer defects and workmanship, including parts and labor for a minimum of five (5) years from the date of purchase. Identification of manufacturer defects shall be determined by the city.

3.20 TRAFFIC SIGNAL CONTROLLER, NEMA, ASC/3, TS2 TYPE 1

The Traffic Signal Controller shall be an ECONOLITE ASC/3-2100 TS2 Type 1 or approved equal. All Controllers other than the manufacturer specified must be approved by the Operations section of Traffic Engineering Services prior to delivery. The controller shall be compatible with the City of Sacramento's Type R TS2 Type 1 cabinet specifications as specified in these Special Provisions.

1. The controller shall be in accordance with the NEMA TS2 TYPE 1 specification.
2. The controllers housing shall be aluminum, and be able to with stand a shock of 10g without permanently rendering the controller inoperable.
3. The controller's display shall be minimum 16 line x 40 characters with LED Back Light LCD display.
4. The controller shall have a warranty period of no less then two years.
5. All controllers shall come with <u>all</u> appropriate operation and maintenance manuals.
6. The D plug shall be designed for type 90 Traconex design.

OPERATIONAL FEATURES

Programming

1. Operationally, the Traffic Signal Controller shall have a minimum of 16 phases, 8 configurable concurrent groups in 4 timing rings with 16 vehicle overlaps. Each pedestrian movement shall be able to be overlapped.
2. Each operation shall be accessible through a menu driven system in the controller.
3. Controller phase timing display shall be easily accessible through the menu driven display.

Pre-Emption

1. The controller shall have ten preemptors total, six for EV and RR and 4 for Transit Vehicles.

2. RR Preemption shall provide up to two track clearances and be able to link to other preemptors.
3. EV Preemption shall be compatible to 3M Opticom Discriminators, and Relays. EV preemptors shall provide Delays; Phase Clearances, and the ability to Link Preemptors.
4. The controller, if Transit Signal Priority Specified, shall provide Transit Vehicles signal priority service functions. The features shall include but not be limited to Green Extension, Split Modification, and operate in Free as well as Coordination. Transit Signal Priority shall not disrupt coordination.

Coordination
1. The controller shall have a minimum of 64 coordination plans.
2. The plans shall be accessible by Time of day, Traffic Responsive, or hardwire direct connect. Coordination shall be able to operate Semi and Fully Actuated.
3. Coordination transition shall be able to expand or shrink, expand only, or dwell the cycle.
4. Coordination shall be able to operate in the back ground while the controller is preempted, and immediately be in coordination upon termination of the preempt signal.

Time-of-day
1. Manual Selection of NIC or TOD program steps.
2. Keyboard selectable sync reference point and re-sync time.
3. A minimum 16 day programs
4. External time reset capable.
5. Timing accuracy shall be the accuracy of the 60 Hz line frequency, and with power removed, drift of less than 25 ppm.

Detectors
1. The controller shall be a minimum of 64 detector inputs.
2. Up to 16 system detectors.
3. Vehicle detectors must be assignable to phase and function.
4. The controller must provide up to 12 pedestrian inputs
5. Nine detector types: Stop Bar detector with and without timing, Calling detectors, Dilemma zone detectors.

Diagnostics
1. The controller must have built in operator initiated input and output diagnostics.
2. Continuous, automatic runtime diagnostics for testing PROM, EEPROM, and communications.

3.21 TRAFFIC SIGNAL CABINET, TS2 TYPE 1, TYPE 'R'

The traffic signal controller cabinet shall be a TS2 Type 1 R44 cabinet. It shall be 77 inches high x 44.5 inches wide x 26 inches deep. For the bolt pattern, refer to Caltrans 2006 Standard Plan ES-3A. It shall have 16 phases of outputs, 64 channels of loop detection inputs, and conform to the following:

A. State of California Specifications

Unless otherwise noted, the enclosure specification shall meet or exceed the State of California, Department of Transportation, Standard Specifications, dated 2010, Section 86-3.04A and Standard Plans, section ES-3.

B. NEMA Specifications

Unless otherwise noted, the cabinet shall adhere to the latest NEMA TS 2 Type 1 specifications.

C. City of Sacramento Specifications

The City of Sacramento traffic signal cabinet specification shall supersede any applicable parts of the State of California, Department of Transportation Standard Specifications and Standard Plans.

D. Cabinet Construction

1. General

Controller cabinets shall be constructed from type 5052-H32 bare aluminum with a dull finish and a minimum thickness of 0.125 inches and be 3R weather rated.

All cabinets shall come with a ten (10) year warranty on the enclosure and cabinet wiring.

Each cabinet shall be provided with two (2) lifting eyes for placing the cabinet on its foundation in the down position. Each eye opening shall have a minimum diameter of 0.75 in. Each eye shall be able to support a weight load of 1000 pounds. All exterior bolt heads shall be tamperproof type.

Machine screws used for mounting equipment on doors or walls of the cabinet shall have inside nuts.

The door latching handles shall have provision for padlocking in the closed position. Each handle shall be 0.75 in minimum diameter cast aluminum or zinc-, cadmium-plated steel, or stainless steel with a minimum 0.5 in shank. The padlocking attachment shall be placed at 4.0 in from the handle shank center to clear the lock and key. An additional 4.0 in minimum gripping length shall be provided.

Louvers shall be located in the lower one-half of the door. All cabinets shall be supplied with pleated dirt filters (ECO/AIR E-35-S) or equivalent, capable of filtering peat dirt. The filters shall be 12" x 16" x 1".

A police panel shall be located in the upper center outside of the door. The panel shall have a Signal On/Off switch and an Auto/Flash switch.

A maintenance door panel shall be mounted on the inside of the cabinet door on the back side of the police panel. The panel shall have twelve (12) 3-position detector switches for each of eight (8) vehicle and four (4) pedestrian phases. The switches shall operate as fixed, normal, and momentary, top to bottom. They shall be labeled for each phase. Six (6) pushbuttons shall be provided to test the preempt inputs and labeled RR 1, (blank), EVP 1 (3), EVP 2 (4), EVP 3 (5), EVP 4 (6). There shall be a Controller On/Off switch and an Auto/Flash switch. There shall be a three (3) position Stop Time switch; Flash Stop Time On/Off/Manual Stop Time On. There shall be A GFI duplex outlet provided.

The controller cabinet shall have a light and fan panel mounted in the top of the cabinet. Each panel shall be equipped with two (2) electric fans with ball or roller bearings and a capacity of at least 100 cubic feet per minute each. Each fan shall be separately fused and thermostatically controlled to the requirements of Section 86 of the State Specifications. There shall be two (2) LED cabinet illumination panels, Relume Technologies #796-5000 or approved equal. One mounts in the fan housing towards the front of the cabinet and the other under the document drawer. The power supply for the panels shall be mounted in the top of the cabinet and shall be 24VDC, 4 Amp. The light shall be rated 100,000 hours per LM 70. Light engine shall be fully recyclable. There shall be a door switch to turn on power to the light panels when the door is open. When the door is closed, the switch shall remove all power to the light panels.

The field terminal blocks for the signal indications on the load bay, the detector terminal blocks on the field input panel, and the power terminal block on the power panel shall be barrier type with marker strips and shall be provided with 10-32 by 5/16-inch minimum nickel or cadmium plated brass binder head screw and square metal threaded inserts. Round knurled inserts will not be accepted.

All assemblies that are connected in this cabinet shall be connected via hard wire, no quick disconnect or plug and play is accepted.

No other equipment within the controller cabinet shall use a socket that will accept a flasher or a flash transfer relay.

If relays are required other than the flash transfer relay, they shall be octal relays.

With MMU device disconnected or controller power off, the intersections shall go into flashing operation and remain in flashing operation until controller power is turned on. (THE CITY WILL NOT ACCEPT THE CABINET IF THE INTERSECTION GOES DARK INSTEAD OF FLASH.)

All labels shall be silkscreen or phenolic screw on type. No adhesive or sticker labels will be accepted. Font shall be Times New Roman. Font size is determined by location.

2. Left Cabinet Wall

Bottom Field Input Panel: The bottom eight (8) terminal positions on the last terminal block shall be allocated for pedestrian push button and pedestrian common (return) wires. The rest of the terminal positions shall be allocated to detector cable input wires. There shall be sufficient terminal positions for eight (8) pedestrian inputs, two (2) pedestrian returns and sixty-four (64) loop inputs (32 channels).

Top Field Input Panel: Shall be wired for sixty-four (64) loop inputs (32 channels).

Detector Programming Panels: All the detector outputs and detector green inputs shall be wired to two (2) detector programming panels, the first 32 channels to one and the second 32 channels to the other. Ø1-Ø8 greens shall be wired to the first panel. Ø1-Ø8 vehicle call switches on the maintenance door panel shall be wired to the first panel.

SDLC Hub: All cabinets shall come with an SDLC hub with a minimum of eight (8) connectors. All connectors shall be mounted on a PC board. All SDLC cables shall be Belden 9506 or approved equal. The backshell/cable clamp shall be metal and the cable appropriately strain relieved.

Opticom cables shall be terminated on the detector power supply panel.

3. Right Cabinet Wall

Power Panel: The Signal controller, TS2 power supply, any other auxiliary power supplies, detector power, etc. shall be protected by the surge protector. The protection device shall be an Edco ACP340, SHP300-10 or approved equivalent device and come with a seven (7) year warranty. The mercury contactor shall be replaced with a normally open, solid state relay and shall be CST Crydom CWA4850, MDI HPR48A50, Omega SSRL 240AC50, or approved equal. There shall be three (3) circuit breakers, a twenty (20) Amp, for the signal circuit, a fifteen (15) Amp for the auxiliary circuit, and a fifteen (15) Amp for the outlet strip. An fifteen (15) position earth ground bus bar and a fifteen (15) position neutral bus bar will be provided. It may be a screw type copper bar as specified in the CalTrans spec or a compression type with holes that will accept 14-8 AWG wire. The service AC- and bond wire will terminate on the bus bars. A place will be provided for the service AC+ on a terminal strip with a field lug and it shall be an ILSCO #SLUH-35 or approved equal. A 3 position block of type Marathon CAT: 1423570, 1423307, or equal will NOT be accepted.

Outlet strip: All cabinets shall have a Tripp-Lite outlet strip model ISOBAR6ULTRA or approved equal and shall be connected to CB-3. Outlet strip shall be mounted on aluminum stock.

DIN Rails: There shall be 2 DIN rails mounted on aluminum stock for DIN rail devices.

4. Center of Cabinet

Each controller cabinet shall be provided with three (3) shelves to house the controller, rack mounted detectors and any other equipment supplied, mentioned in the specifications and/or shown on the plans. The top shelf shall contain the all detector amplifiers, and any preemption equipment. The middle shelf shall contain controller and power supply. The bottom shelf shall contain the MMU. The shelves shall be perforated to allow air flow.

See attached Cabinet Layout drawing for mounting heights of shelves.

An On Battery LED shall be mounted on the underside of the top shelf and shall be readily visible when the door is opened. The LED is part of the BBS relay circuitry located in the loadbay.

MMU, power supply, BIU, and controller cables, when not connected to controller or monitor, shall not be long enough for connectors to touch AC field wiring terminals (potential shorting problems).

A pull-out laptop computer shelf shall be incorporated below and attached to the bottom shelf. This pull-out shelf shall be 22" wide x 12.5 deep and provide an opening under the bottom shelf lip of 2.5" to be used as a document drawer.

Load Bay:
The load bay shall be designed to fold down from the top to gain access to the back side. No part of the load bay shall stick out past the load switches. The load resistors for load switches 9 – 12 yellows shall be mounted on the back of the load bay. Load bay shall be silk screened on front, showing all positions, e.g. Ø1, Ø2.

Load bay shall accommodate two (2) Bus Interface Units (BIU).

With respect to TS2 color output channel assignments, default channel, and therefore load switch and MMU wiring, assignments on the load bay shall be as follows:

a. Channels 1 - 8 shall be assigned to Vehicle Phases 1 - 8 respectively.
b. Channels 9 - 12 shall be assigned to Pedestrian Phases 2, 4, 6, and 8 respectively.
c. Channels 13-16 shall be assigned to Overlap Phases A, B, C, and D respectively.

Field lugs shall be supplied on all colors for each vehicle and pedestrian phase and each pedestrian pushbutton and pushbutton return. The field lugs shall be ILSCO #SLUH-35 or approved equal.

A battery backup relay shall be mounted on the load bay.

All power connectors for controller, MMU, and power supply shall be "MIL-SPEC" with no exceptions.

All cables for the power supply and MMU shall feed up from the front of the shelf.

There shall be two (2) controller power cables.

a. One shall be a NEMA TS1 "A" and feed from the front of the middle shelf.
b. The other shall be a NEMA TS2-1 power connector for the traffic signal controller interface board and feed up from the back of the middle shelf with enough slack so that the controller can be turned sideways to access the cable connectors.

The controller SDLC cable should be long enough to feed up from the front or from the back, depending on the type of controller.

The BIU connectors in the load bay and detector racks shall be mounted on PC boards.

The cabinet shall be capable of sixty four (64) channels of detection. Two thirty two (32) channel racks may be hard wired or PC board. The detection racks shall accommodate two BIU's, eight (8) - four channel half width (1.0") detectors and either two (2) - two channels or one (1) - four channel Opticom discriminators in the first rack. The racks shall be no more than 18 ¾" wide and 5 ¾" high.

E. Auxiliary Devices

All auxiliary devices shall conform to the Requirements of the NEMA TS2 Type 1 Standards.

<u>The cabinet shall be equipped with all necessary auxiliary devices to operate a traffic signal with eight (8) vehicle phases, four (4) pedestrian phases and four (4) overlaps. The main auxiliary devices are listed below.</u>

1. Load Switches
   a. The Load Switch shall be designed for use in traffic signal controller cabinets in accordance with NEMA TS2 Standards, Section 6.2.
   b. Load switches shall have a heavy duty aluminum heat sink chassis to allow triac device to operate with the full load current. 10Amp RMS Maximum Load Current over NEMA temperature range. Operating voltage range of 60 to 135VAC.
   c. Unit shall contain three electrical independent circuits. The front of the load switch shall be provided with three indicators to sow the input signal from the controller to the load switch. Maximum load current output in de-energized condition is less than 10 mA peak.
   d. Sixteen (16) Load Switches shall be supplied (8 vehicle, 4 peds, 4 overlaps). EDI Model 510 Load Switch or equal for use in NEMA TS2 Type 1 cabinet.

2. Solid State Flashers
   a. Solid State Flashers shall be in accordance with NEMA TS2 Standards, Section 6.3.

b. Flasher shall have a heavy duty aluminum heat sink chassis to allow triac device to operate with the full load current.
c. 15Amp RMS Maximum Operating Load Current over full NEMA temperature range.
d. Operating voltage range of 60 to 135VAC.
e. A minimum of 56 flashes/minute.
f. EDI Model 810, Reno Model Fl-200 or equal.

3. Malfunction Management Units (MMU)
   a. MMU shall be designed for use in traffic controller cabinets in accordance with NEMA TS2 Standards, Section 4.
   b. The MMU shall be a Type 16.
   c. One (1) conflict monitor shall be supplied. EDI Model MMU-16LE, Econolite MMU-16, or Reno MMU-1600G.

4. Bus Interface Units (BIU)
   a. The BIU shall be designed for use in traffic signal controller cabinets in accordance with NEMA TS2 Standards, Section 8.
   b. All BIUs shall provide three separate front panel indicators for Power, Transmit, and Valid Data.
   c. Six (6) BIU shall be supplied. Two BIU shall be placed in the Load Bay. Four BIU shall be placed in the Detector Racks. EDI Model 700 or Econolite BIU-64.

5. Cabinet Power Supply
   a. The cabinet power supply shall meet all TS2 Section 5 requirements.
   b. The power supply shall regulated DC power, unregulated AC power, and a line frequency reference for the Detector Rack, BIU, load switches and auxiliary equipment.
   c. Power Supply shall have LED indicators showing output status and fuse integrity for three supply outputs.
   d. One (1) Power Supply shall be supplied. Econolite PS200 TS2, EDI Model PS200 TS2, or Reno TS-2 Power Supply.

6. Flasher Transfer Relays
   a. All Flasher Transfer Relays shall be solid state and conform to the requirements of NEMA TS2 Section 6.
   b. A full complement of relays shall be supplied with cabinet to allow for maximum phase utilization.

7. Inductive Loop Detectors
   a. Four Channel Rack Mount Detector for TS2 Type 1 traffic signal cabinet.
   b. Meets NEMA TS 2 specifications.

c. Single width (1.12" or 1.14" wide).
d. Eight (8) inductive loop detectors shall be supplied. RENO A&E Y/2-200 four channel rack mount detector or approved equal.

F. Equipment Drawing

Equipment drawings shall comply with Section 86-1.04 of the State Specifications and these specifications, with the following changes:

The cabinet print shall be laid out on two (2) "D" size sheets.

Sheet one (1) shall have the remaining panels, load bay, cables, fans and lights, SDLC Hub Panel, power supply, maintenance malfunction unit (MMU), controller, connector wiring Power Panel, Outlet Strip, and door Maintenance Panel with police panel.

The detector field inputs panels, detector racks, and detector programming panels shall be on sheet two (2).

The operation manual for each component shall be provided.

Three (3) prints of the cabinet-wiring diagram shall be supplied with each controller cabinet in addition to an electronic copy. One copy of the cabinet print shall be enclosed in the document drawer under the controller shelf.

Entire cabinet schematic wiring diagram shall also be submitted in the form of an AutoCAD Drawing (.pdf will not be accepted), either on a disk or by email to jmatoba@cityofsacramento.org John Matoba, City of Sacramento, 916-808-7891.

G. Cabinet Delivery and Acceptance

The cabinet shall be delivered to the City of Sacramento South Area Corporation Yard.

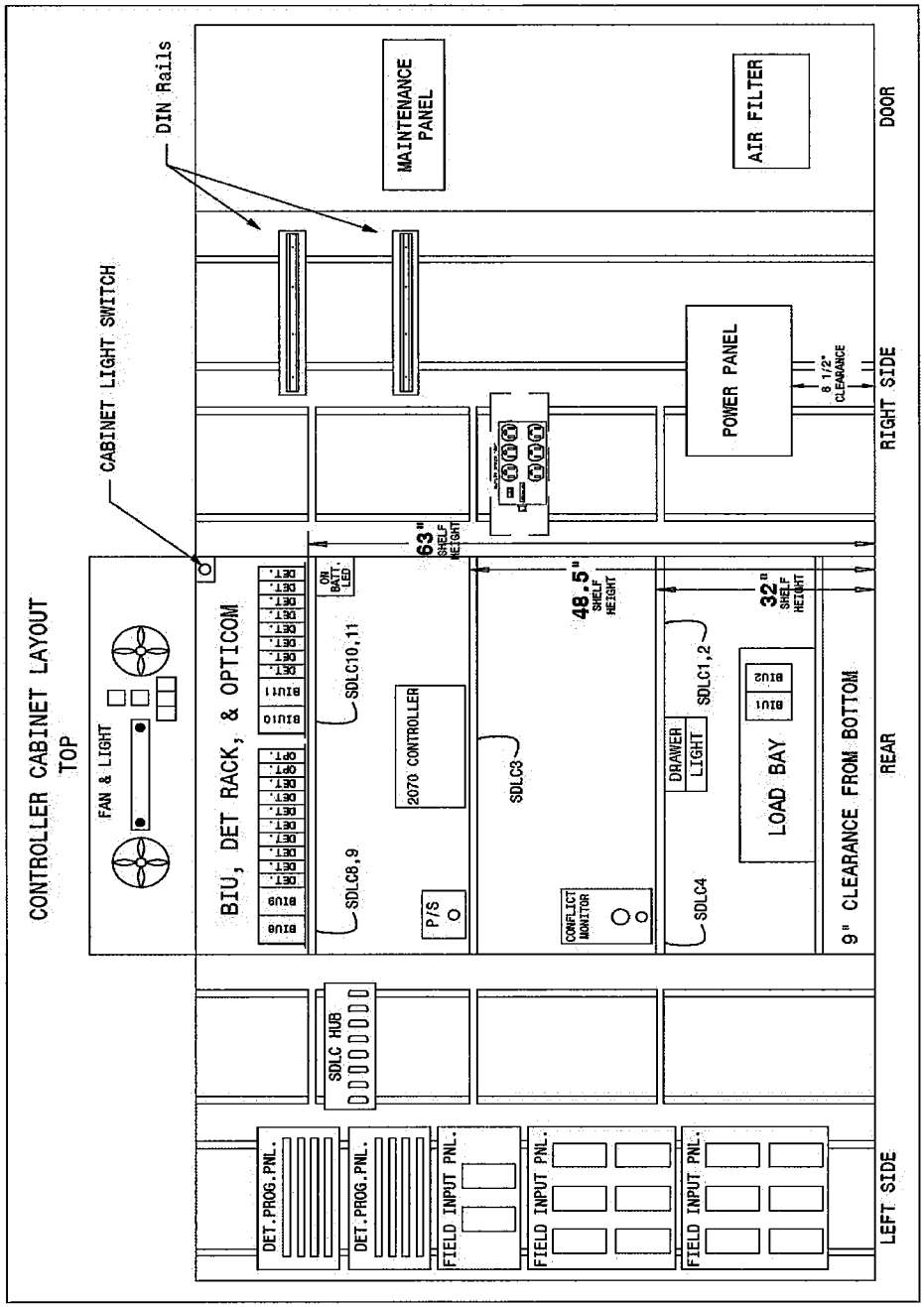
The cabinet will be tested for complete operation and inspected for conformance to these Special Provisions at the City Traffic Signal Shop. The Contractor shall have an authorized service engineer from the cabinet manufacturer available at the City's Corporate Center South within one (1) working day after notification to correct all minor malfunctions or make minor modifications to meet these specifications. If major adjustments, modifications or repairs to the cabinet are required to meet these specifications, the Contractor shall be required to repair or modify the cabinet(s) in question at no additional cost to the City. The contractor shall be responsible for all shipping charges for any cabinet(s) that are returned for major repairs or modifications. The Contractor shall also be required to repair or replace any equipment that fails to function properly during testing and inspection. The City shall have 30 calendar days from the date of receipt to test and inspect the cabinet.

H. Guarantee

The Contractor guarantees the cabinet, materials and devices of whatsoever nature incorporated in, or attached to the cabinet, to be free of all defects of workmanship and materials for a period of one (1) year after final acceptance by the City of Sacramento. The Contractor shall repair or replace any or all equipment or material, together with all or any other equipment or material which may be displaced or damaged in so doing, that may prove defective in workmanship or material within said one (1) year guarantee period without expense or charge or any nature whatsoever to the City.

In the event that the Contractor should fail to comply with the conditions of the foregoing guarantee within (10) days time, after being notified of the defect in writing, the City shall have the right, but shall not be obligated to repair, or obtain the repair of the defect and the Contractor shall pay to the City on demand all reasonable costs and expense of such repair. In the event that any defect in workmanship or material covered by the foregoing guarantee results in a condition which constitutes an immediate hazard to the health or safety, or any property interest, or any person, the City shall have the right to immediately repair, or cause to be repaired, such defect, and the Contractor shall pay to the City on demand all reasonable costs and expense of such repair. The foregoing statement relating to hazards to health, safety or property shall be deemed to include either temporary or permanent repairs, which may be required as determined in the sole discretion and judgment of the City.

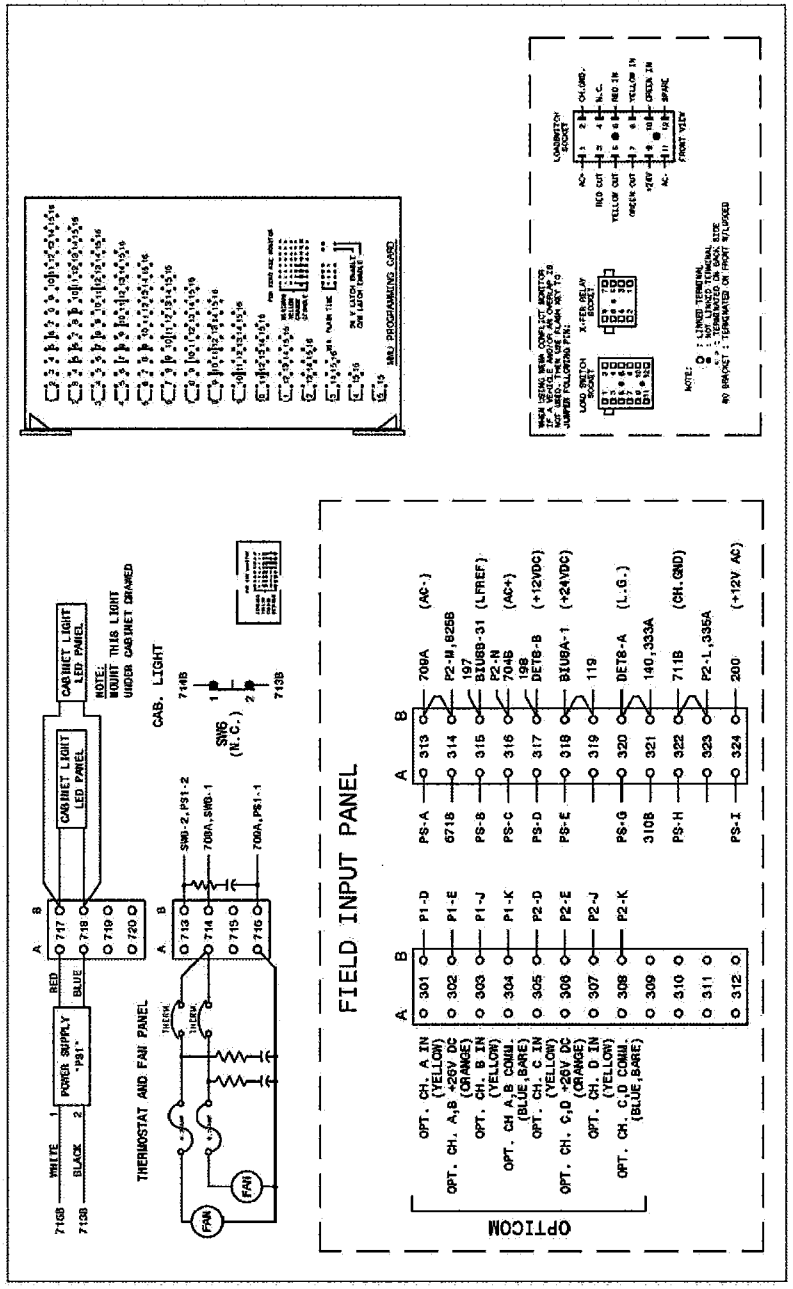
TS 2 – Type 1, Type 'R'
Cabinet Layout



TS 2 – Type 1, Type 'R'

Field Input Panel, Thermostat and Fan Panel,

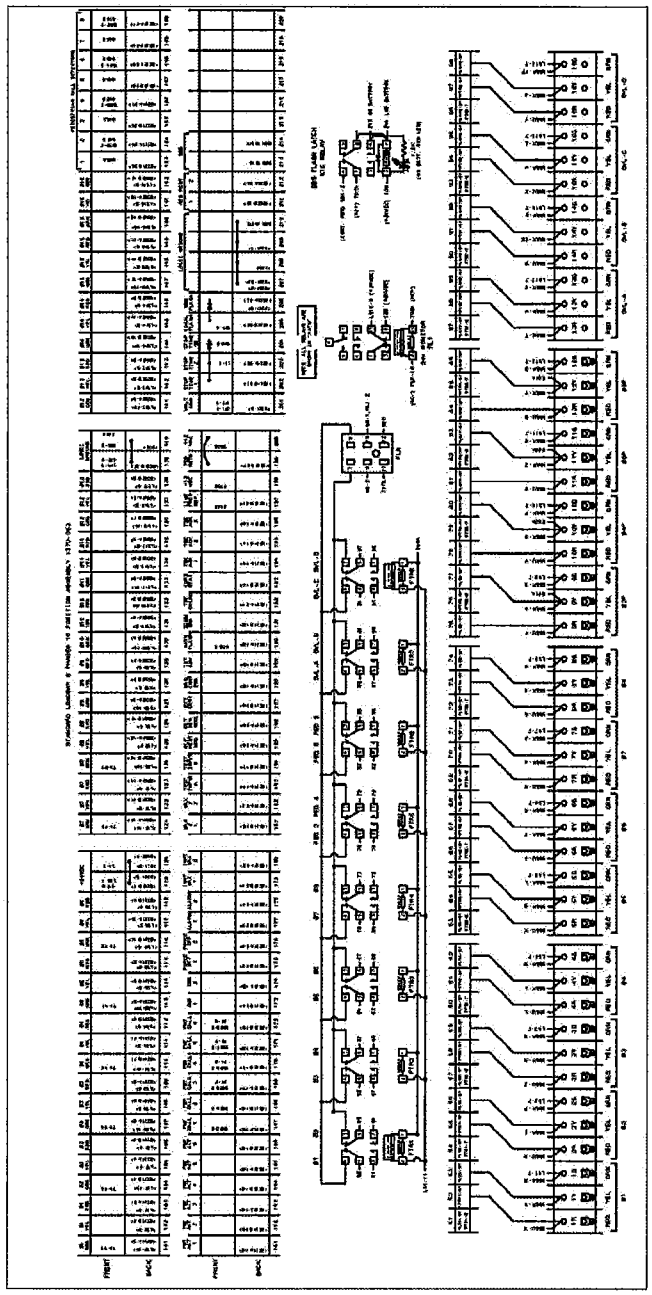
MMU Programming Card, Conflict Monitor



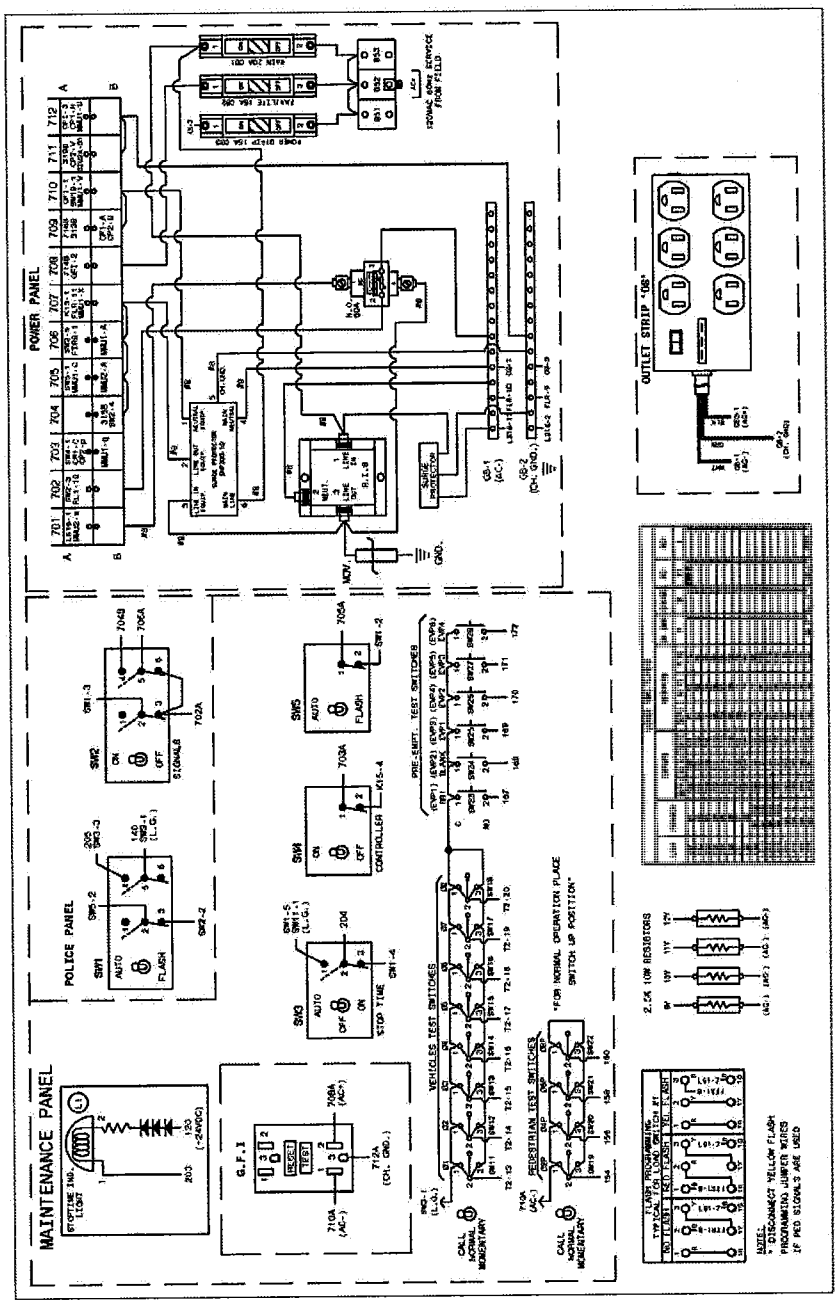
TS 2 – Type 1, Type 'R'
BIU (Terminal Facility)

BIU1 (TERMINAL FACILITY)			BIU2 (TERMINAL FACILITY)		
PIN	FUNCTION	TERMINAL	PIN	FUNCTION	TERMINAL
1A	+24VDC IN	119	1A	+24VDC IN	119
1B	+24VDC IN	119	1B	+24VDC IN	119
2A	Ø1 RED	103	2A	Ø9 RED	129
2B	Ø1 YELLOW	102	2B	Ø9 YELLOW	128
3A	Ø1 GREEN	101	3A	Ø9 GREEN	127
3B	Ø2 RED	106	3B	Ø10 RED	132
4A	Ø2 YELLOW	105	4A	Ø10 YELLOW	131
4B	Ø2 GREEN	104	4B	Ø10 GREEN	130
5A	Ø3 RED	109	5A	Ø11 RED	135
5B	Ø3 YELLOW	108	5B	Ø11 YELLOW	134
6A	Ø3 GREEN	107	6A	Ø11 GREEN	133
6B	Ø4 RED	112	6B	Ø12 RED	138
7A	Ø4 YELLOW	111	7A	Ø12 YELLOW	137
7B	Ø4 GREEN	110	7B	Ø12 GREEN	136
8A	Ø5 RED	115	8A	Ø13 RED	143
8B	Ø5 YELLOW	114	8B	Ø13 YELLOW	142
9A	Ø5 GREEN	113	9A	Ø13 GREEN	141
9B	Ø6 RED	118	9B	Ø14 RED	146
10A	Ø6 YELLOW	117	10A	Ø14 YELLOW	145
10B	Ø6 GREEN	116	10B	Ø14 GREEN	144
11A	Ø7 RED	123	11A	Ø15 RED	149
11B	Ø7 YELLOW	122	11B	Ø15 YELLOW	148
12A	Ø7 GREEN	121	12A	Ø15 GREEN	147
12B	Ø8 RED	126	12B	Ø16 RED	152
13A	Ø8 YELLOW	125	13A	Ø16 YELLOW	151
13B	Ø8 GREEN	124	13B	Ø16 GREEN	150
14A	TBC AUX 1	194	14A	TBC AUX 3	196
14B	TBC AUX 2	195	14B	COORD. STATUS	193
15A	PMT ACT 1	161	15A	PMT ACT 3	163
15B	PMT ACT 2	162	15B	PMT ACT 4	164
16A	PMT CALL 1	167	16A	PMT ACT 5	165
16B	PMT CALL 2	168	16B	PMT ACT 6	166
17A	TEST A	183	17A	PMT CALL 3	169
17B	TEST B	184	17B	PMT CALL 4	170
18A	AUTO FLASH	190	18A	PMT CALL 5	171
18B	DIMM ENABLE	191	18B	PMT CALL 6	172
19A	MANUAL ENABLE	188	19A	CNA RING 2	174
19B	INT. ADVANCE	189	19B	RED REST RING 1	211
20A	EXT. MIN. RECALL	186	20A	RED REST RING 2	212
20B	EXT. START	187	20B	SPARE 3	N/U
21A	TBC ONLINE	192	21A	SPARE 4	N/U
21B	STOP TIME RING 1	202	21B	INHIBIT MAX RING 1	179
22A	STOP TIME RING 2	203	22A	INHIBIT MAX RING 2	180
22B	MAX. 2 RING 1	181	22B	LOCAL FLASH	205
23A	MAX. 2 RING 2	182	23A	MMU FLASH	206
23B	FORCE OFF RING 1	175	23B	ALARM 1	177
24A	FORCE OFF RING 2	176	24A	ALARM 2	178
24B	CNA RING 1	173	24B	RESERVED	N/U
25A	REST IN WALK	185	25A	RESERVED	N/U
25B	PED. ISO. 1	153	25B	PED. ISO. 5	157
26A	PED. ISO. 2	154	26A	PED. ISO. 6	158
26B	PED. ISO. 3	155	26B	PED. ISO. 7	159
27A	PED. ISO. 4	156	27A	PED. ISO. 8	160
27B	PED. ISO. COMM.	199	27B	PED. ISO. COMM.	199
28A	ADDR. BIT 0	N/U	28A	ADDR. BIT 0	139
28B	ADDR. BIT 1	N/U	28B	ADDR. BIT 1	N/U
29A	ADDR. BIT 2	N/U	29A	ADDR. BIT 2	N/U
29B	ADDR. BIT 3	N/U	29B	ADDR. BIT 3	N/U
30A	RESERVED	N/U	30A	RESERVED	N/U
30B	RESERVED	N/U	30B	RESERVED	N/U
31A	CHASSIS GROUND	711A	31A	CHASSIS GROUND	711A
31B	LINE FREQ. REF.	197	31B	LINE FREQ. REF.	197
32A	LOGIC GROUND	139	32A	LOGIC GROUND	139
32B	LOGIC GROUND	139	32B	LOGIC GROUND	139

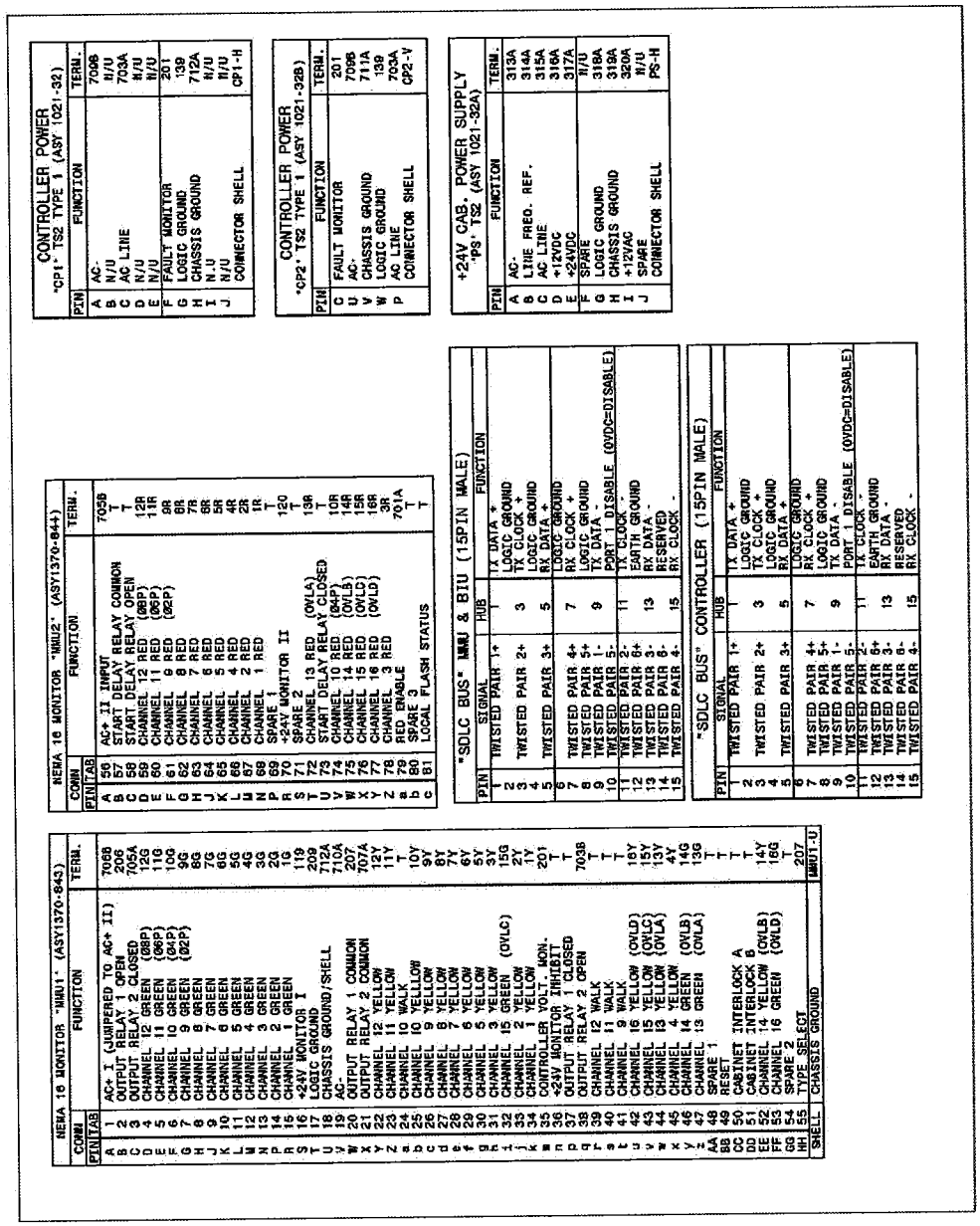
TS 2 – Type 1, Type 'R'
Standard Loadbay – 8 Phases, 16 Position Assembly



TS 2 – Type 1, Type 'R'
Maintenance Panel, Power Panel, Flash Programming
Load Switches, Outlet Strip, Resistors



TS 2 – Type 1, Type 'R'
NEMA 16 MMU, SDLC Bus, Controller Power, Cabinet Power Supply



NEMA 16 MONITOR "MMU1" (ASY1370-843)			
CONN		FUNCTION	TERM.
PIN	TAB		
A	1	AC+ I (JUMPERED TO AC+ II)	706B
B	2	OUTPUT RELAY 1 OPEN	206
C	3	OUTPUT RELAY 2 CLOSED	705A
D	4	CHANNEL 12 GREEN (08P)	12G
E	5	CHANNEL 11 GREEN (06P)	11G
F	6	CHANNEL 10 GREEN (04P)	10G
G	7	CHANNEL 9 GREEN (02P)	9G
H	8	CHANNEL 8 GREEN	8G
J	9	CHANNEL 7 GREEN	7G
K	10	CHANNEL 6 GREEN	6G
L	11	CHANNEL 5 GREEN	5G
M	12	CHANNEL 4 GREEN	4G
N	13	CHANNEL 3 GREEN	3G
P	14	CHANNEL 2 GREEN	2G
R	15	CHANNEL 1 GREEN	1G
S	16	+24V MONITOR I	119
T	17	LOGIC GROUND I	209
U	18	CHASSIS GROUND/SHELL	712A
V	19	AC-	710A
W	20	OUTPUT RELAY 1 COMMON	207
X	21	OUTPUT RELAY 2 COMMON	707A
Y	22	CHANNEL 12 YELLOW	12Y
Z	23	CHANNEL 11 YELLOW	11Y
a	24	CHANNEL 10 WALK	T
b	25	CHANNEL 10 YELLOW	10Y
c	26	CHANNEL 9 YELLOW	9Y
d	27	CHANNEL 8 YELLOW	8Y
e	28	CHANNEL 7 YELLOW	7Y
f	29	CHANNEL 6 YELLOW	6Y
g	30	CHANNEL 5 YELLOW	5Y
h	31	CHANNEL 3 YELLOW	3Y
i	32	CHANNEL 15 GREEN (OVLC)	15G
j	33	CHANNEL 2 YELLOW	2Y
k	34	CHANNEL 1 YELLOW	1Y
m	35	CONTROLLER VOLT. MON.	201
n	36	+24V MONITOR INHIBIT	T
p	37	OUTPUT RELAY 1 CLOSED	T
q	38	OUTPUT RELAY 2 OPEN	703B
r	39	CHANNEL 12 WALK	T
s	40	CHANNEL 11 WALK	T
t	41	CHANNEL 10 WALK	T
u	42	CHANNEL 16 YELLOW (OVLD)	16Y
v	43	CHANNEL 15 YELLOW (OVLC)	15Y
w	44	CHANNEL 13 YELLOW (OVLA)	13Y
x	45	CHANNEL 4 YELLOW	4Y
y	46	CHANNEL 14 GREEN (OVLB)	14G
z	47	CHANNEL 13 GREEN (OVLA)	13G
AA	48	SPARE 1	T
BB	49	RESET	T
CC	50	CABINET INTERLOCK A	T
DD	51	CABINET INTERLOCK B	T
EE	52	CHANNEL 14 YELLOW (OVLB)	14Y
FF	53	CHANNEL 16 GREEN (OVLD)	16G
GG	54	SPARE 2	T
HH	55	TYPE SELECT	207
SHELL		CHASSIS GROUND	MMU1-U

NEMA 16 MONITOR "MMU2" (ASY1370-844)			
CONN		FUNCTION	TERM.
PIN	TAB		
A	56	AC+ II INPUT	705B
B	57	START DELAY RELAY COMMON	T
C	58	START DELAY RELAY OPEN	T
D	59	CHANNEL 12 RED (08P)	12R
E	60	CHANNEL 11 RED (06P)	11R
F	61	CHANNEL 10 RED (04P)	10R
G	62	CHANNEL 9 RED (02P)	9R
H	63	CHANNEL 8 RED	8R
J	64	CHANNEL 7 RED	7R
K	65	CHANNEL 6 RED	6R
L	66	CHANNEL 5 RED	5R
M	67	CHANNEL 4 RED	4R
N	68	CHANNEL 1 RED	2R
P	69	SPARE 1	1R
R	70	+24V MONITOR II	T
S	71	SPARE 2	120
T	72	CHANNEL 13 RED (OVLA)	T
U	73	START DELAY RELAY CLOSED	13R
V	74	CHANNEL 10 RED (04P)	T
W	75	CHANNEL 14 RED (OVLB)	10R
X	76	CHANNEL 15 RED (OVLC)	14R
Y	77	CHANNEL 16 RED (OVLD)	15R
Z	78	CHANNEL 3 RED	16R
a	79	FIRE ENABLE	3R
b	80	SPARE 3	701A
c	81	LOCAL FLASH STATUS	T

"SDLC BUS" MMU & BIU (15PIN MALE)			
PIN	SIGNAL	HUB	FUNCTION
1	TWISTED PAIR 1+	1	TX DATA +
2			LOGIC GROUND
3	TWISTED PAIR 2+	3	TX CLOCK +
4			LOGIC GROUND
5	TWISTED PAIR 3+	5	RX DATA +
6			LOGIC GROUND
7	TWISTED PAIR 4+	7	RX CLOCK +
8	TWISTED PAIR 5+		LOGIC GROUND
9	TWISTED PAIR 1-	9	TX DATA -
10	TWISTED PAIR 5-		PORT 1 DISABLE (0VDC=DISABLE)
11	TWISTED PAIR 2-	11	TX CLOCK -
12	TWISTED PAIR 6+		EARTH GROUND
13	TWISTED PAIR 3-	13	RX DATA -
14	TWISTED PAIR 6-		RESERVED
15	TWISTED PAIR 4-	15	RX CLOCK -

"SDLC BUS" CONTROLLER (15PIN MALE)			
PIN	SIGNAL	HUB	FUNCTION
1	TWISTED PAIR 1+	1	TX DATA +
2			LOGIC GROUND
3	TWISTED PAIR 2+	3	TX CLOCK +
4			LOGIC GROUND
5	TWISTED PAIR 3+	5	RX DATA +
6			LOGIC GROUND
7	TWISTED PAIR 4+	7	RX CLOCK +
8	TWISTED PAIR 5+		LOGIC GROUND
9	TWISTED PAIR 1-	9	TX DATA -
10	TWISTED PAIR 5-		PORT 1 DISABLE (0VDC=DISABLE)
11	TWISTED PAIR 2-	11	TX CLOCK -
12	TWISTED PAIR 6+		EARTH GROUND
13	TWISTED PAIR 3-	13	RX DATA -
14	TWISTED PAIR 6-		RESERVED
15	TWISTED PAIR 4-	15	RX CLOCK -

CONTROLLER POWER "CP1" TS2 TYPE 1 (ASY 1021-32)		
PIN	FUNCTION	TERM.
A	AC-	706B
B	N/U	N/U
C	AC LINE	703A
D	N/U	N/U
E	N/U	N/U
F	FAULT MONITOR	201
G	LOGIC GROUND	139
H	CHASSIS GROUND	712A
I	N.U	N/U
J	N/U	N/U
	CONNECTOR SHELL	CP1-H

CONTROLLER POWER "CP2" TS2 TYPE 1 (ASY 1021-32B)		
PIN	FUNCTION	TERM.
C	FAULT MONITOR	201
U	AC-	706B
V	CHASSIS GROUND	711A
W	LOGIC GROUND	139
P	AC LINE	703A
	CONNECTOR SHELL	CP2-V

+24V CAB. POWER SUPPLY "PS" TS2 (ASY 1021-32A)		
PIN	FUNCTION	TERM.
A	AC-	313A
B	LINE FREQ. REF.	314A
C	AC LINE	315A
D	+12VDC	316A
E	+24VDC	317A
F	SPARE	N/U
G	LOGIC GROUND	318A
H	CHASSIS GROUND	319A
I	+12VAC	320A
J	SPARE	N/U
	CONNECTOR SHELL	PS-H

3.22 VIDEO DETECTION

In general, the video detection system shall provide real time detection of vehicles, bicycles and motorcycles entering the camera's field of view with an accuracy of 95% or more, when

compared to conventional inductive loops. The detection shall be reliable, consistent, and perform under all weather, lighting, and traffic congestion conditions. The video detection system will only be used to provide detection at the intersection stop bar. The video detection system consists of the video camera, video detection processor, and necessary mounting and cabling hardware.

The video detection processor shall have embedded software that can perform a variety of automated tasks, including vehicle detection, traffic data collection, automatic diagnostics, fault-tolerant I/O operations, data communications, and digital video streaming. The video detection processor shall be able to interface with a NEMA TS1, TS2 type1, TS2 type-2, and 33X controller cabinet assemblies via SDLC interface and/or associated logic levels inputs/outputs. The video detection processor shall plug into a standard NEMA TS1 standard detection rack and provide SDLC interface to the controller without the need for additional BIU's. The video detection processor shall operate at 24 VDC at 11 watts maximum.

Communication to each video detection processor shall be by an embedded Ethernet adapter using standard TCP/IP protocols. The communications shall allow the video detection processor to be fully programmed and monitored remotely from both the Traffic Operation Center (TOC) and locally at the intersection.

Programming and monitoring of the video detection processor shall be done through vendor provided software and a built-in Web-browser interface which will allow the viewing and configuration of all video detection system features. The video detection processor shall contain configuration setup wizards and editors that will create and modify detector configurations and cabinet interfaces for the processor with step-by-step guides. Wizards shall be accessed through both the Web-browser and vendor provided software. All software must be able to operate on Windows XP and Windows 7 platforms. The programming window (image used to draw detection zones) shall have a resolution of 640X480 or greater. All software windows shall be able to be maximized to match the computer display.

The video detection processor shall be able to stream MPEG-4 video over the network to view locally, at the Traffic Operation Center (TOC) and over the internet. The video shall be viewable via the vendor provided video player or any standard digital video player such as QuickTime, at rates varying from 5 fps to 30 fps up to 5 megabits per second. The video detection system shall also provide an analog output with NTSC format to view locally using an analog monitor. Detector actuation shall be visible in both the analog and MPEG-4 video outputs.

The video detection processor shall provide remote system diagnostics with the ability to check detector outputs, and loss of video sync, video contrast lost, and processor load. All errors shall be saved in a system log. The video processor shall be able to drop a false vehicle call if no movement is detected in the video where a detection zone is programmed and when phase assigned to that zone is green. The video processor shall also be able to interface to existing Green, Yellow and Red phase colors in all cabinet types, and the phase color shall be displayable on the video image. The video processor shall be able to detect the absence of video. If an absence of video is detected, the interface hardware shall input a user assignable recall on the phase. If the video detection camera cannot detect vehicles due to fog, smoke, and other

environmental factors, the user shall have the ability to apply min recall, max recall, or a fixed time to a given detector output.

Cameras and/or associated hardware or firmware must provide image stabilization. Cameras must be color and provide a minimum of 470 lines of resolution. Cameras must have variable focal length (zoom control) that can be configured from the traffic controller cabinet. Video detection camera and associated hardware shall be able to operate from- 34° to + 74° Celsius. All interfaces between the camera and the video detection system shall be opto-isolated.

Video Detection Data Collection

The video detection system shall be able to provide the following:

1. Storing of count data for a minimum of five days
2. 24-hour counts with a variable time sampling rate
3. Speed data for free flowing segments
4. Occupancy for free flowing segments
5. Vehicle classification based on length

Video Detection System Hardware

Equipment shall be an Econolite Autoscope Rackvision Terra with Autoscope Image Sensors (AIS) Camera or City Traffic Engineer approved equivalent.

For one approach, with video processor with NEMA TS2 connections to the controller, the following equipment outlined below is required. For intersections with multiple approaches, additional equipment is required.

	Qty	Hardware
Per Leg	1	Autoscope RackVision Terra MVP
	1	Cat5e network patch cable RJ45 Male to RJ45 Male Cat5 Length 3
	1	Autoscope Image Sensors (AIS) Camera
	1	Mounting brackets (Model AMBKTM15S)
	1	AIS cable to length distance from Camera to Hand Hole Cover
	FT	Coaxial Cable Belden 8281 or approved equal.
	FT	Camera Power Belden 601203 multi-conductor meeting IMSA Spec 19-1
Per Intersection	1	AIP4 interface panel
	1	SDLC cable (model ACBLP0E05 P/N 33550G5)for TS2 connection to the controller

	1	NTSC Monitor with BNC interfaces for signal cabinet
		Three (3) years System warranty from of date of acceptance

For one approach, with video processor with NEMA TS1 and logic level connections to controller, the following equipment outlined is required. For intersections with multiple approaches, additional equipment is required.

	Qty	Hardware
Per Leg	1	Autoscope RackVision Terra MVP
	1	Cat5e network patch cable RJ45 Male to RJ45 Male Cat5 Length 3
	1	Autoscope Image Sensors (AIS) Camera
	1	Mounting brackets (model AMBKTM15S)
	1	AIS cable to length distance from Camera to Hand Hole Cover
	FT	Coaxial Cable Belden 8281 or approved equal.
	FT	Camera Power Belden 601203 multi-conductor meeting IMSA Spec 19-1
Per Intersection	1	AIP4 interface panel
	1	NTSC Monitor with BNC interfaces for signal cabinet
	1	ASTCBL01 – I/O for 12 outputs
	1	Model 33457G57 for logic inputs (33X)
		Three (3) years System warranty from of date of acceptance

Installation

Camera shall be placed to minimize occlusions of left turn lanes. Occlusions can be minimized by installing the camera on the signal mast arm, in line with the lane striping between the left turn lane and the through lanes. Cameras installed on signal mast arm shall use Econolite 28" extended camera mount. At intersections where the left and through movements go together as standard operation and lefts are not intended to turn separately, the camera can be mounted on a luminaire arm with standard camera mounting bracket.

Camera shall be aimed so that the area of detection is in the top half of the video image. The farthest edge of the detector shall be at the top of the image, and at least four (4) cars shall be visible behind the stopbar, in the top half of the video image. No horizon shall be allowed in the video image.

Video detection system installed in traffic signal cabinets with network switches installed or scheduled to be installed shall use NEMA TS2 connections to controller. Contractor shall connect SDLC (model ACBLP0E05 P/N 33550G5 or approved equal) to connect MVP terra card and the traffic signal controller. Contractor shall work with the Econolite Representative and the City of Sacramento Traffic Signal Maintenance Shop to insure that all channels are programmed and detection calls are being inputted into the controller.

Video detection system installed in traffic signal cabinets without network switches installed shall use NEMA TS1 and logic level connections to controller. Contractor shall wire in MVP Wiring Harness (model 33457G57 or approved equal) into traffic signal controller cabinet. Contractor shall work with the Econolite Representative and the City of Sacramento Traffic Signal Maintenance Shop to insure that all channels are programmed and detection calls are being inputted into the controller.

All penetration through signal poles or mastarms shall use Hayco Liquid \Tight Cordgrips or approved equal. Penetration shall be at the bottom of the mast arm.

Surge Suppressor Power Strip

Surge Suppressors shall meet the following requirements:

- 120 VAC
- 60 Hz
- All metal housing
- Isolated filter banks
- 2350 joule/97,000 amps rating
- 6 outlets
- 6 foot cord

Surge Suppressors shall be manufactured by Tripp-Lite Power Protection, Model ISOBAR6ULTRA or approved equal.

For Type R cabinet, the Surge Suppressor shall be mounted to the cabinet channel rail, and must be wired to the load side of the 15-amp main breaker in the cabinet. For the Type 332 cabinet, the Surge Suppressor shall be mounted on 2" aluminum stock on the back side of the cabinet near the top using the existing 19" rack. The Surge Suppressor must be plugged into the equipment receptacle on the back of the power assembly of the 332 cabinet.

Network Switch

Network Switch shall meet the following requirements:

- Industrial grade
- DIN rail mountable
- Ethernet connectivity

- Operate under 14 degrees Fahrenheit to 140 degrees Fahrenheit, and under vibration and shock
- Uses copper and fiber uplink options
- Twelve (12) 10/100 ports
- Two (2) 100 BASE-LX (single mode fiber) uplinks
- Enhanced Image (EI) software
- 5-year warranty

Network Switch shall be manufactured by Cisco, Model 2955S-12 or approved equal.

For Type R cabinet, network switch shall be mounted on a DIN rail attached to aluminum stock for support. The DIN rail and aluminum stock shall be mounted to the cabinet channel rails.

For Type 332 cabinet, network switch shall be mounted on a DIN Rail Adapter for use on an EIA 19" rack in a 332 cabinet. DIN Rail Adapter shall be by Cisco, Model STK-RACKMNT-2955 or approved equal.

The Contractor is responsible for making all connections per manufacturer recommendations.

Power Supply for Network Switch
Power Supply for Network Switch shall meet the following requirements:

- Compatible with Cisco Catalyst Series 2955 Series industrial grade switch
- DIN rail mountable
- Input: 100-120 VAC or 200-240 VAC, manually selected AC, 50-60 Hz
- Operate under 14 degrees Fahrenheit to 140 degrees Fahrenheit, and under vibration and shock
- Output: 24 VDC, 2.5 amps
- 5-year warranty

Power Supply for Network Switch shall be manufactured by Cisco, Model PWR-2955-AC or approved equal.

For Type R cabinet, power supply for network switch shall be mounted on a DIN rail attached to aluminum stock for support. The DIN rail and aluminum stock shall be mounted to the cabinet channel rails.

For Type 332 cabinet, power supply for network switch shall be mounted on a DIN Rail Adapter for use on a 19" rack in a 332 cabinet. DIN Rail Adapter shall be by Cisco, Model STK-RACKMNT-2955 or approved equal.

The Contractor is responsible for making all connections and shall be made per manufacturer's recommendations to insure that the switch is powered. See Plans for further details.

Cable Splicing

Cable Splicing is not permitted.

Software and Programming

An Econolite Representative shall be onsite for the installation and configuration of the Video Detection System at no additional cost to the City. The system shall be programmed to provide stopbar detection. All channels shall be configured per the City's detector programming sheet and the Contractor and Econolite Representative shall work with City of Sacramento Traffic Signal Maintenance Shop to insure the detection calls are being inputted into the controller.

General Aiming and Programming Notes for Video Detection

1. No horizon shall be allowed in video.
2. Camera shall be aimed such that the farthest edge of the detector is at the top of the image. Four to Five cars shall be visible between the stopbar and the top of the video image.
3. The Camera shall be rotated so the stopbar is horizontal in the video image.
4. Detection Zone shall be approximately 65' long or 2 cars.
5. Maximum detectable width is 6 lanes and bike lane.
6. Detector labels shall include assigned phase number and assigned channel number.
7. The phase status shall be displayed.

Technical Support & Warranty

1. All hardware associated with the video detection system shall be warranted for a minimum of three years.
2. The vendor shall provide all firmware and software upgrades to the City of Sacramento free of charge during the warranty period of the product.
3. Technical support shall be free of charge during the warranty period of the product.
4. Vendor shall provide 24/7 technical support.
5. Vendor shall provide training in the operation, setup, and maintenance of the video detection system, at no additional cost to the city.

3.23 WIRING

Wiring shall be in accordance with Section 34-13 of the Standard Specifications, except for the following:

a. After taping, all splices shall be painted with an approved electrical coating that will resist oil, acids, alkalies, and adverse environmental conditions.

b. Pull ropes used to pull conductors in conduit shall be a minimum of three-eighths inch (3/8") in diameter.

THIS PROJECT IS SUBJECT TO DAVIS BACON WAGES

General Decision Number: CA160009 03/04/2016 CA9

Superseded General Decision Number: CA20150009

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Marin, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo and Yuba Counties in California.

BUILDING CONSTRUCTION PROJECTS (excluding Amador County only); DREDGING CONSTRUCTION PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	01/29/2016
3	02/19/2016
4	02/26/2016
5	03/04/2016

ASBE0016-001 01/01/2014

AREA 1: MARIN, NAPA, SAN BENITO, SAN FRANCISCO, SOLANO, & SONOMA COUNTIES

AREA 2: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHEMA, TRINITY, YOLO, & YUBA COUNTIES

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, Protective Coverings, Coatings, and Finishes to all		

types of mechanical systems)
Area 1.....$ 57.15 18.72
Area 2.....$ 44.05 18.62

ASBE0016-007 01/01/2015

AREA 1 : ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

AREA 2: MARIN & NAPA COUNTIES

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)		
AREA 1	$ 28.30	7.75
AREA 2	$ 32.38	7.75

BOIL0549-002 01/01/2013

	Rates	Fringes
BOILERMAKER		
(1) Marin & Solano Counties	$ 42.06	33.43
(2) Remaining Counties	$ 38.37	31.32

BRCA0003-001 08/01/2013

	Rates	Fringes
MARBLE FINISHER	$ 28.05	14.01

BRCA0003-004 05/01/2015

AREA 1: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES

AREA 2: MARIN, NAPA, SISKIYOU, SOLANO, SONOMA AND TRINITY COUNTIES

	Rates	Fringes
BRICKLAYER		
AREA 1	$ 37.31	19.73
AREA 2	$ 39.99	24.75

SPECIALTY PAY:
(A) Underground work such as tunnel work, sewer work,

manholes, catch basins, sewer pipes and telephone conduit shall be paid $1.25 per hour above the regular rate. Work in direct contact with raw sewage shall receive $1.25 per hour in addition to the above.
(B) Operating a saw or grinder shall receive $1.25 per hour above the regular rate.
(C) Gunite nozzle person shall receive $1.25 per hour above the regular rate.

BRCA0003-008 07/01/2013

	Rates	Fringes
TERRAZZO FINISHER	$ 33.15	13.93
TERRAZZO WORKER/SETTER	$ 39.95	24.39

BRCA0003-010 04/01/2015

	Rates	Fringes
TILE FINISHER		
Area 1	$ 23.32	10.43
Area 2	$ 23.31	12.90
Area 3	$ 23.49	12.77
Area 4	$ 22.99	12.25
Tile Layer		
Area 1	$ 39.42	12.42
Area 2	$ 37.31	14.19
Area 3	$ 41.87	14.24
Area 4	$ 38.74	14.19

AREA 1: Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Sutter, Tehema, Yolo, Yuba
AREA 2: Alpine, Amador
AREA 3: Marin, Napa, Solano, Siskiyou
AREA 4: Sonoma

BRCA0003-014 08/01/2013

	Rates	Fringes
MARBLE MASON	$ 39.30	22.48

CARP0034-001 07/01/2014

	Rates	Fringes
Diver		
Assistant Tender, ROV Tender/Technician	$ 39.60	30.73
Diver standby	$ 44.56	30.73
Diver Tender	$ 43.56	30.73
Diver wet	$ 89.12	30.73
Manifold Operator (mixed gas)	$ 48.56	30.73
Manifold Operator (Standby)	$ 43.56	30.73

DEPTH PAY (Surface Diving):

050 to 100 ft $2.00 per foot
101 to 150 ft $3.00 per foot
151 to 220 ft $4.00 per foot

SATURATION DIVING:
The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

DIVING IN ENCLOSURES:
Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: $1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48" in height, the premium will be $1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

CARP0034-003 07/01/2014

	Rates	Fringes
Piledriver	$ 40.60	30.73

CARP0035-001 08/01/2015

AREA 1: MARIN, NAPA, SOLANO & SONOMA

AREA 3: SACRAMENTO, WESTERN EL DORADO (Territory west of an including highway 49 and the territory inside the city limits of Placerville), WESTERN PLACER (Territory west of and including highway 49), & YOLO

AREA 4: ALPINE, BUTTE, COLUSA, EASTERN EL DORADO, GLENN, LASSEN, MODOC, NEVADA, EASTERN PLACER, PLUMAS, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, & YUBA

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1	$ 42.40	26.42
Area 3	$ 37.02	26.42
Area 4	$ 35.67	26.42
Drywall Stocker/Scrapper		
Area 1	$ 21.20	14.60
Area 3	$ 18.51	14.60
Area 4	$ 17.84	14.60

CARP0035-009 07/01/2015

Marin County

	Rates	Fringes
CARPENTER		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 42.55	25.98
Journeyman Carpenter	$ 42.40	25.98
Millwright	$ 42.50	27.38

CARP0035-010 07/01/2014

AREA 1: Marin, Napa, Solano & Sonoma Counties

AREA 2: Monterey, San Benito and Santa Cruz

AREA 3: Alpine, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Yolo & Yuba counties

	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer I	$ 23.36	18.31
Installer II	$ 19.93	18.31
Lead Installer	$ 26.81	18.81
Master Installer	$ 31.03	18.81
Area 2		
Installer I	$ 20.71	18.31
Installer II	$ 17.76	18.31
Lead Installer	$ 23.68	18.81
Master Installer	$ 27.31	18.81
Area 3		
Installer I	$ 19.76	18.31
Installer II	$ 16.99	18.31
Lead Installer	$ 22.56	18.81
Master Installer	$ 29.58	18.81

CARP0046-001 07/01/2015

El Dorado (West), Placer (West), Sacramento and Yolo Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 36.67	25.98
Journeyman Carpenter	$ 36.52	25.98
Millwright	$ 39.02	27.38

Footnote: Placer County (West) includes territory West of and including Highway 49 and El Dorado County (West) includes territory West of and including Highway 49 and territory inside the city limits of Placerville.

CARP0046-002 07/01/2015

Alpine, Colusa, El Dorado (East), Nevada, Placer (East), Sierra, Sutter and Yuba Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 35.32	25.98
Journeyman Carpenter	$ 35.17	25.98
Millwright	$ 37.67	27.38

CARP0152-003 07/01/2014

Amador County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 33.27	27.53
Journeyman Carpenter	$ 33.12	27.53
Millwright	$ 35.62	29.12

CARP0180-001 07/01/2015

Solano County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 42.55	25.98
Journeyman Carpenter	$ 42.40	25.98
Millwright	$ 42.50	27.38

CARP0751-001 07/01/2015

Napa and Sonoma Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 42.55	25.98
Journeyman Carpenter	$ 42.40	25.98
Millwright	$ 42.50	27.38

CARP1599-001 07/01/2015

Butte, Glenn, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama and Trinity Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 35.32	25.98
Journeyman Carpenter	$ 35.17	25.98
Millwright	$ 37.67	27.38

ELEC0180-001 06/01/2015

NAPA AND SOLANO COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 50.97	3%+20.13
ELECTRICIAN	$ 45.31	21.98

ELEC0180-003 12/01/2015

NAPA AND SOLANO COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 33.32	16.29
Technician	$ 34.32	17.33

SCOPE OF WORK INCLUDES-
SOUND & VOICE TRANSMISSION (Music, Intercom, Nurse Call, Telephone); FIRE ALARM SYSTEMS [excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs],
TELEVISION & VIDEO SYSTEMS, SECURITY SYSTEMS, COMMUNICATIONS SYSTEMS that transmit or receive information and/or control

systems that are intrinsic to the above.

EXCLUDES-
Excludes all other data systems or multiple systems which include control function or power supply; excludes installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excludes energy management systems.

ELEC0340-002 12/01/2015

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, NEVADA, PLACER, PLUMAS, SACRAMENTO, TRINITY, YOLO, YUBA COUNTIES

	Rates	Fringes
Communications System		
Sound & Communications Installer	$ 27.85	14.80
Sound & Communications Technician	$ 32.03	14.92

SCOPE OF WORK

Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS
Background foreground music Intercom and telephone interconnect systems, Telephone systems, Nurse call systems, Radio page systems, School intercom and sound systems, Burglar alarm systems, Low voltage master clock systems, Multi-media/multiplex systems, Sound and musical entertainment systems, RF systems, Antennas and Wave Guide.

B. FIRE ALARM SYSTEMS
Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems, Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems Vibration sensor systems Card access systems Access control systems Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO

THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory Control Systems Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems VSAT Data Systems Data Communication Systems RF and Remote Control Systems Fiber Optic Data Systems WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:

1. The project involves new or major remodel building trades construction.
2. The conductors for the fire alarm system are installed in conduit.

ELEC0340-003 02/01/2016

ALPINE (West of Sierra Mt. Watershed), AMADOR, BUTTE, COLUSA, EL DORADO (West of Sierra Mt. Watershed), GLENN, LASSEN, NEVADA (West of Sierra Mt. Watershed), PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA (West of Sierra Mt. Watershed), SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

	Rates	Fringes
ELECTRICIAN		
Remaining area	$ 39.06	24.51
Sierra Army Depot, Herlong	$ 48.83	18.54
Tunnel work	$ 41.01	18.54

CABLE SPLICER: Receives 110% of the Electrician basic hourly rate.

ELEC0401-005 11/01/2014

ALPINE (east of the main watershed divide), EL DORADO (east of the main watershed divide), NEVADA (east of the main watershed), PLACER (east of the main watershed divide) and SIERRA (east of the main watershed divide) COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 37.50	15.14

ELEC0551-004 12/01/2015

MARIN AND SONOMA COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 47.40	17.78

ELEC0551-005 12/01/2015

MARIN & SONOMA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 34.32	17.33
Technician	$ 39.08	17.21

SCOPE OF WORK INCLUDES-
SOUND & VOICE TRANSMISSION (Music, Intercom, Nurse Call, Telephone); FIRE ALARM SYSTEMS [excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs], TELEVISION & VIDEO SYSTEMS, SECURITY SYSTEMS, COMMUNICATIONS SYSTEMS that transmit or receive information and/or control systems that are intrinsic to the above.

EXCLUDES-
Excludes all other data systems or multiple systems which include control function or power supply; excludes installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excludes energy management systems.

ELEC0659-006 01/01/2016

DEL NORTE, MODOC and SISKIYOU COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 30.44	16.40

ELEC0659-008 02/01/2013

DEL NORTE, MODOC & SISKIYOU COUNTIES

	Rates	Fringes
Line Construction		
(1) Cable Splicer	$ 51.09	4%+13.30
(2) Lineman, Pole Sprayer, Heavy Line Equipment Man	$ 45.62	4%+13.30
(3) Tree Trimmer	$ 32.07	4%+9.80
(4) Line Equipment Man	$ 45.62	4%+9.80
(5) Powdermen, Jackhammermen	$ 34.22	4%+9.80
(6) Groundman	$ 31.31	4%+9.80

ELEC1245-004 06/01/2015

ALL COUNTIES EXCEPT DEL NORTE, MODOC & SISKIYOU

	Rates	Fringes

LINE CONSTRUCTION
(1) Lineman; Cable splicer..$ 52.85 15.53
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....$ 42.21 14.32
(3) Groundman.....$ 32.28 14.03
(4) Powderman.....$ 47.19 14.06

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

---

ELEV0008-001 01/01/2015

	Rates	Fringes
ELEVATOR MECHANIC.....	$ 60.39	28.38

FOOTNOTE:
PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0003-008 07/01/2013

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman.....	$ 40.53	27.81
(2) Dredge Dozer; Heavy duty repairman.....	$ 35.57	27.81
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	$ 34.45	27.81
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	$ 31.15	27.81
AREA 2:		
(1) Leverman.....	$ 42.53	27.81
(2) Dredge Dozer; Heavy duty repairman.....	$ 37.57	27.81
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	$ 36.45	27.81
(4) Bargeman; Deckhand;		

Fireman; Leveehand; Oiler..$ 33.15 27.81

AREA DESCRIPTIONS

AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Remainder
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY:
Area 1: Remainder
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

MONTERREY COUNTY
Area 1: Except Southwestern part
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:

Area 1: Al but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Remainder

TEHAMA COUNTY:
Area 1: All but the Western border with Mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeastern border with Shasta County
Area 2: Remainder

TUOLUMNE COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

ENGI0003-018 06/30/2014

"AREA 1" WAGE RATES ARE LISTED BELOW

"AREA 2" RECEIVES AN ADDITIONAL $2.00 PER HOUR ABOVE AREA 1 RATES.

SEE AREA DEFINITIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (AREA 1:)		
GROUP 1	$ 39.85	27.44
GROUP 2	$ 38.32	27.44
GROUP 3	$ 36.84	27.44
GROUP 4	$ 35.46	27.44
GROUP 5	$ 34.19	27.44
GROUP 6	$ 32.87	27.44
GROUP 7	$ 31.73	27.44
GROUP 8	$ 30.59	27.44
GROUP 8-A	$ 28.38	27.44

OPERATOR: Power Equipment
(Cranes and Attachments -
AREA 1:)

GROUP 1

Cranes	$ 40.73	27.44
Oiler	$ 33.76	27.44
Truck crane oiler	$ 37.33	27.44

GROUP 2

Cranes	$ 38.97	27.44
Oiler	$ 33.50	27.44
Truck crane oiler	$ 37.04	27.44

GROUP 3

Cranes	$ 37.23	27.44
Hydraulic	$ 32.87	27.44
Oiler	$ 33.26	27.44
Truck Crane Oiler	$ 36.77	27.44

GROUP 4

Cranes	$ 34.19	27.44

OPERATOR: Power Equipment
(Piledriving - AREA 1:)

GROUP 1

Lifting devices	$ 41.07	27.44
Oiler	$ 31.81	27.44
Truck crane oiler	$ 34.09	27.44

GROUP 2

Lifting devices	$ 39.25	27.44
Oiler	$ 31.54	27.44
Truck Crane Oiler	$ 33.84	27.44

GROUP 3

Lifting devices	$ 37.57	27.44
Oiler	$ 31.32	27.44
Truck Crane Oiler	$ 33.55	27.44

GROUP 4

Lifting devices	$ 35.80	27.44

GROUP 5

Lifting devices	$ 34.50	27.44

GROUP 6

Lifting devices	$ 33.16	27.44

OPERATOR: Power Equipment
(Steel Erection - AREA 1:)

GROUP 1

Cranes	$ 41.70	27.44
Oiler	$ 32.15	27.44
Truck Crane Oiler	$ 34.38	27.44

GROUP 2

Cranes	$ 39.93	27.44
Oiler	$ 31.88	27.44
Truck Crane Oiler	$ 34.16	27.44

GROUP 3

Cranes	$ 38.45	27.44
Hydraulic	$ 32.67	27.44
Oiler	$ 31.66	27.44
Truck Crane Oiler	$ 33.89	27.44

GROUP 4

Cranes	$ 36.43	27.44

GROUP 5

Cranes	$ 35.13	27.44

OPERATOR: Power Equipment
(Tunnel and Underground Work
- AREA 1:)

SHAFTS, STOPES, RAISES:

GROUP 1	$ 35.95	27.44
GROUP 1-A	$ 38.32	27.44
GROUP 2	$ 34.59	27.44
GROUP 3	$ 33.36	27.44
GROUP 4	$ 32.22	27.44
GROUP 5	$ 31.08	27.44
UNDERGROUND:		
GROUP 1	$ 35.85	27.44
GROUP 1-A	$ 38.32	27.44
GROUP 2	$ 34.59	27.44
GROUP 3	$ 33.26	27.44
GROUP 4	$ 32.12	27.44
GROUP 5	$ 30.98	27.44

FOOTNOTE: Work suspended by ropes or cables, or work on a Yo-Yo Cat: $.60 per hour additional.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds. m.r.c.

GROUP 3: Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed constuction work boat operator,

on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom- type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self- propelled pipeline wrapping machine; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing mahcine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor

(shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

---

ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons;

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under;

Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

---

AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS,TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED,

NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

ENGI0003-019 07/01/2013

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (LANDSCAPE WORK ONLY)		

```
      GROUP 1
       AREA 1.....................$ 29.64            25.71
       AREA 2.....................$ 31.64            25.71
      GROUP 2
       AREA 1.....................$ 26.04            25.71
       AREA 2.....................$ 28.04            25.71
      GROUP 3
       AREA 1.....................$ 21.43            25.71
       AREA 2.....................$ 23.43            25.71
```

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscae Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

IRON0377-002 01/01/2016

	Rates	Fringes
Ironworkers:		
Fence Erector	$ 27.58	20.64
Ornamental, Reinforcing and Structural	$ 34.00	29.20

PREMIUM PAY:

$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland,
Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LABO0067-002 12/01/2015

AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer		
Areas A & B	$ 20.66	10.02
LABORER (Lead Removal)		
Area A	$ 29.02	20.82
Area B	$ 28.02	20.82

ASBESTOS REMOVAL-SCOPE OF WORK: Site mobilization; initial site clean-up; site preparation; removal of asbestos-containing materials from walls and ceilings; or from pipes, boilers and mechanical systems only if they are being scrapped; encapsulation, enclosure and disposal of asbestos-containing materials by hand or with equipment or machinery; scaffolding; fabrication of temporary wooden barriers; and assembly of decontamination stations.

LABO0067-006 06/30/2014

AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, EL DORADO, FRESNO, GLENN, KINGS, LASSEN, MADERA, MARIPOSA, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Laborers: (CONSTRUCTION CRAFT LABORERS - AREA A:)		
Construction Specialist Group	$ 29.09	18.66
GROUP 1	$ 28.39	18.66
GROUP 1-a	$ 28.61	18.66
GROUP 1-c	$ 28.44	18.66
GROUP 1-e	$ 28.94	18.66
GROUP 1-f	$ 28.97	18.66
GROUP 1-g (Contra Costa County)	$ 28.59	18.66
GROUP 2	$ 28.24	18.66
GROUP 3	$ 28.14	18.66
GROUP 4	$ 21.83	18.66

See groups 1-b and 1-d under laborer classifications.

Laborers: (CONSTRUCTION CRAFT LABORERS - AREA B:)		
Construction Specialist Group	$ 28.09	18.66

GROUP 1.....$ 27.39 18.66
GROUP 1-a.....$ 27.61 18.66
GROUP 1-c.....$ 27.44 18.66
GROUP 1-e.....$ 27.94 18.66
GROUP 1-f.....$ 27.97 18.66
GROUP 2.....$ 27.24 18.66
GROUP 3.....$ 27.14 18.66
GROUP 4.....$ 20.83 18.66

See groups 1-b and 1-d under laborer classifications.

Laborers: (GUNITE - AREA A:)
GROUP 1.....$ 29.35 18.66
GROUP 2.....$ 28.85 18.66
GROUP 3.....$ 28.26 18.66
GROUP 4.....$ 28.14 18.66

Laborers: (GUNITE - AREA B:)
GROUP 1.....$ 28.35 18.66
GROUP 2.....$ 27.85 18.66
GROUP 3.....$ 27.26 18.66
GROUP 4.....$ 27.14 18.66

Laborers: (WRECKING - AREA A:)
GROUP 1.....$ 28.39 18.66
GROUP 2.....$ 28.24 18.66

Laborers: (WRECKING - AREA B:)
GROUP 1.....$ 27.39 18.66
GROUP 2.....$ 27.24 18.66

Landscape Laborer (GARDENERS,
HORTICULTURAL & LANDSCAPE
LABORERS - AREA A:)
(1) New Construction.....$ 28.14 18.66
(2) Establishment Warranty
Period.....$ 21.83 18.66

Landscape Laborer (GARDENERS,
HORTICULURAL & LANDSCAPE
LABORERS - AREA B:)
(1) New Construction.....$ 27.14 18.66
(2) Establishment Warranty
Period.....$ 20.83 18.66

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive $0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement;

Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucker; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shal receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive $ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 1-g, CONTRA COSTA COUNTY: Pipelayer (including grade checking in connection with pipelaying); Caulker; Bander; Pipewrapper; Conduit layer; Plastic pipe layer; Pressure pipe tester; No joint pipe and stripping of same, including repair of voids; Precast manhole setters, cast in place manhole form setters

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0185-002 06/30/2014

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 31.11	17.34

LABO0185-005 06/30/2014

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and

bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0261-002 06/30/2014

MARIN COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	$ 28.14	19.03
Traffic Control Person I....	$ 28.44	19.03
Traffic Control Person II...	$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0261-004 06/30/2014

MARIN COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	$ 34.60	19.49
GROUP 2.....	$ 34.37	19.49
GROUP 3.....	$ 34.12	19.49
GROUP 4.....	$ 33.67	19.49
GROUP 5.....	$ 33.13	19.49
Shotcrete Specialist.....	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and

bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0261-007 06/30/2014

MARIN COUNTY

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 32.36	17.34

LABO0324-004 06/30/2014

NAPA, SOLANO, AND SONOMA, COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 27.14	19.03
Traffic Control Person I	$ 27.44	19.03
Traffic Control Person II	$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0324-008 06/30/2014

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0324-010 06/30/2014

NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
LABORER (Brick)		
Mason Tender-Brick.....	$ 31.36	17.34

LABO1414-005 08/05/2015

	Rates	Fringes
Plasterer tender.....	$ 32.71	17.11

Work on a swing stage scaffold: $1.00 per hour additional.

PAIN0016-004 01/01/2015

MARIN, NAPA, SOLANO & SONOMA COUNTIES

	Rates	Fringes
Painters:.....	$ 36.45	21.48

PREMIUMS:
EXOTIC MATERIALS - $0.75 additional per hour.
SPRAY WORK: - $0.50 additional per hour.
INDUSTRIAL PAINTING - $0.25 additional per hour
[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:
over 50 feet - $2.00 per hour additional
100 to 180 feet - $4.00 per hour additional
Over 180 feet - $6.00 per houir additional

PAIN0016-005 09/01/2015

ALPINE, BUTTE, COLUSA, EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Hwy. 395, excluding Honey Lake); MARIN, MODOC, NAPA, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	$ 38.24	19.93

PAIN0016-007 01/01/2015

ALPINE, AMADOR, BUTTE, COLUSA. EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Highway 395, excluding Honey Lake), MODOC, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

	Rates	Fringes
Painters:.....	$ 30.85	16.85

SPRAY/SANDBLAST: $0.50 additional per hour.
EXOTIC MATERIALS: $1.00 additional per hour.
HIGH TIME: Over 50 ft above ground or water level $2.00 additional per hour. 100 to 180 ft above ground or water level $4.00 additional per hour. Over 180 ft above ground or water level $6.00 additional per hour.

PAIN0016-008 01/01/2015

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER.....	$ 46.20	18.73

PAIN0169-004 01/01/2015

MARIN , NAPA & SONOMA COUNTIES; SOLANO COUNTY (west of a line defined as follows: Hwy. 80 corridor beginning at the City of Fairfield, including Travis Air Force Base and Suisun City; going north of Manakas Corner Rd., continue north on Suisun Valley Rd. to the Napa County line; Hwy. 80 corridor south on Grizzly Island Rd. to the Grizzly Island Management area)

	Rates	Fringes
GLAZIER.....	$ 43.48	24.19

---

* PAIN0567-001 07/01/2014

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
Painters:		
Brush and Roller	$ 23.16	10.38
Spray Painter & Paperhanger	$ 24.01	10.38

PREMIUMS:
Special Coatings (Brush), and Sandblasting = $0.50/hr
Special Coatings (Spray), and Steeplejack = $1.00/hr
Special Coating Spray Steel = $1.25/hr
Swing Stage = $2.00/hr

*A special coating is a coating that requires the mixing of 2 or more products.

PAIN0567-007 07/01/2015

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains) AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
SOFT FLOOR LAYER	$ 26.26	11.78

PAIN0567-010 07/01/2015

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
Drywall		
(1) Taper	$ 28.08	12.13
(2) Steeplejack - Taper, over 40 ft with open space below	$ 29.58	12.13

PAIN0767-004 01/01/2015

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU,

SOLANO (Remainder), SUTTER, TEHAMA, TRINITY, YOLO, YUBA

	Rates	Fringes
GLAZIER	$ 33.79	22.49

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee rquired to wear a body harness shall receive $1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2014

HIGHWAY IMPR0VEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1	$ 34.26	11.65
GROUP 2	$ 29.12	11.65
GROUP 3	$ 29.46	11.65

CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PAIN1237-001 01/01/2015

ALPINE; COLUSA; EL DORADO (west of the Sierra Nevada Mountains); GLENN; LASSEN (west of Highway 395, beginning at Stacey and including Honey Lake); MODOC; NEVADA (west of the Sierra Nevada Mountains); PLACER (west of the Sierra Nevada Mountains); PLUMAS; SACRAMENTO; SHASTA; SIERRA (west of the Sierra Nevada Mountains); SISKIYOU; SUTTER; TEHAMA; TRINITY; YOLO AND YUBA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER	$ 31.79	14.93

PLAS0300-003 07/01/2014

	Rates	Fringes
PLASTERER		
AREA 295: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc,		

Nevada, Placer, Plumas,
Sacramento, Shasta,
Sierra, Siskiyou, Solano,
Sutter, Tehema, Trinity,
Yolo & Yuba Counties.....$ 31.41 22.26
AREA 355: Marin.....$ 34.75 22.26
AREA 355: Napa & Sonoma
Counties.....$ 31.41 22.26

PLAS0300-005 06/30/2014

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 30.00	22.07

PLUM0038-002 07/01/2015

MARIN AND SONOMA COUNTIES

	Rates	Fringes
PLUMBER (Plumber, Steamfitter, Refrigeration Fitter)		
(1) Work on wooden frame structures 5 stories or less excluding hgih-rise buildings and commercial work such as hospitals, prisons, hotels, schools, casinos, wastewater treatment plants, and resarch facilities as well as refrigeration pipefitting, service and repair work - MARKET RECOVERY RATE	$ 55.10	40.91
(2) All other work - NEW CONSTRUCTION RATE	$ 65.00	43.49

PLUM0038-006 07/01/2015

MARIN & SONOMA COUNTIES

	Rates	Fringes
Landscape/Irrigation Fitter (Underground/Utility Fitter)	$ 55.10	40.91

PLUM0228-001 01/01/2016

BUTTE, COLUSA, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY & YUBA COUNTIES

	Rates	Fringes
PLUMBER	$ 38.25	27.64

---

* PLUM0343-001 01/01/2016

NAPA AND SOLANO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Light Commercial	$ 30.85	20.40
All Other Work	$ 49.15	31.30

DEFINITION OF LIGHT COMMERICIAL:
Work shall include strip shopping centers, office buildings, schools and other commercial structures which the total plumbing bid does not exceed Two Hundred and Fifty Thousand ($250,000) and the total heating and cooling does not exceed Two Hundred Fifty Thousand ($250,000); or Any projects bid in phases shall not qualify unless the total project is less than Two Hundred Fifty Thousand ($250,000) for the plumbing bid; and Two Hundred Fifty Thousand ($250,000) for the heating and cooling bid. Excluded are hospitals, jails, institutions and industrial projects, regardless size of the project

FOOTNOTES: While fitting galvanized material: $.75 per hour additional. Work from trusses, temporary staging, unguarded structures 35' from the ground or water: $.75 per hour additional. Work from swinging scaffolds, boatswains chairs or similar devices: $.75 per hour additional.

PLUM0350-001 02/01/2015

EL DORADO COUNTY (Lake Tahoe area only); NEVADA COUNTY (Lake Tahoe area only); AND PLACER COUNTY (Lake Tahoe area only)

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 30.88	11.51

PLUM0355-001 07/01/2015

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Underground Utility Worker /Landscape Fitter	$ 28.60	10.05

PLUM0442-003 07/01/2015

AMADOR (South of San Joaquin River) and ALPINE COUNTIES

	Rates	Fringes
PLUMBER	$ 38.75	26.64

---

* PLUM0447-001 07/01/2015

AMADOR (north of San Joaquin River), EL DORADO (excluding Lake Tahoe area), NEVADA (excluding Lake Tahoe area); PLACER (excluding Lake Tahoe area), SACRAMENTO AND YOLO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Journeyman	$ 45.52	22.60
Light Commercial Work	$ 35.23	17.47

ROOF0081-006 08/01/2015

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
Roofer	$ 36.08	14.90

ROOF0081-007 08/01/2015

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN,LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Roofer	$ 34.00	14.80

SFCA0483-003 01/01/2015

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)	$ 56.02	27.77

SFCA0669-003 07/01/2013

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
SPRINKLER FITTER	$ 34.19	19.37

SHEE0104-006 07/01/2015

MARIN, NAPA, SOLANO SONOMA & TRINITY COUNTIES

	Rates	Fringes
Sheet Metal Worker		
Mechanical Contracts		
$200,000 or less	$ 46.30	40.28
All other work	$ 52.20	41.56

SHEE0104-009 07/01/2015

AMADOR, COLUSA, EL DORADO, NEVADA, PLACER, SACRAMENTO, SUTTER, YOLO AND YUBA COUNTIES

	Rates	Fringes
SHEET METAL WORKER.....	$ 40.07	33.17

SHEE0104-010 07/01/2015

AlPINE COUNTY

	Rates	Fringes
SHEET METAL WORKER.....	$ 36.85	30.90

SHEE0104-011 07/01/2015

BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES

	Rates	Fringes
Sheet Metal Worker (Metal decking and siding only).....	$ 34.15	32.98

SHEE0104-014 07/01/2015

MARIN, NAPA, SOLANO, SONOMA AND TRINITY COUNTIES

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only).....	$ 34.15	32.98

SHEE0104-019 07/01/2015

BUTTE, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA, SISKIYOU AND TEHAMA COUNTIES

	Rates	Fringes
SHEET METAL WORKER		
Mechanical Jobs $200,000 & under.....	$ 30.24	30.64
Mechanical Jobs over $200,000.....	$ 40.07	33.22

TEAM0094-001 07/01/2015

	Rates	Fringes
Truck drivers:		
GROUP 1.....	$ 28.57	25.22
GROUP 2.....	$ 28.87	25.22
GROUP 3.....	$ 29.17	25.22

GROUP 4.....$ 29.52 25.22
GROUP 5.....$ 29.87 25.22

FOOTNOTES:
Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate.
Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or personhaul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and "A" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 24 yds.; Transit mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self- propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repairperson; Combination bootperson and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua/pak or water tank trailers; Helicopter pilots (when transporting men and materials); Lowbedk Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over

and truck repairman

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

---

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

==========

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average

calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an

interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION

APPENDIX A

Labor Compliance Requirements for This Project

By submitting a bid for this project you are agreeing to comply with the City's Labor Compliance Program

City of SACRAMENTO

LABOR COMPLIANCE REQUIREMENTS

A summary of the labor compliance requirements will be presented at the pre-construction meeting. However, please read the attached documents relating to the labor compliance requirements and expectations for this project. You will be required to sign the labor compliance acknowledgment at the pre-construction meeting if you are awarded the project. For any questions regarding these requirements, please contact Jose R. Ledesma at jledesma@cityofsacramento.org, or Brenda Kee at bkee@cityofsacramento.org.

Each contractor and subcontractor (at all levels/tiers) is required to submit certified payrolls and labor compliance documentation electronically at the discretion of and in the manner specified by, the City of Sacramento.

Electronic submittal will be through a web-based system, accessed on the World Wide Web by a web browser. Each contractor and subcontractor will be given a Log On identification and password to access the City of Sacramento reporting system, currently LCPTracker.

Use of the system may entail additional data entry of weekly payroll information including; employee identification, labor classification, total hours worked and hours worked on this project, wage and benefit rates paid, etc. The contractor's payroll and accounting software may be capable of generating a 'comma delimited file' that will interface with the software. If the 'comma delimited file' option does not work, it is still the responsibility of the contractor and subcontractors to manually enter their data into LCPtracker, meeting the required deadlines for those documents.

This requirement 'flows down' to every lower-tier subcontractor and vendor required to provide labor compliance documentation.

CITY OF SACRAMENTO

LABORCOMPLIANCE HANDBOOK 2016

PUBLIC WORKS LABOR PROJECTS – LABOR COMPLIANCE

Revised 5-11-16 KW

City of SACRAMENTO

City of Sacramento
Labor Compliance

Introduction

Contractors who are awarded contracts on City of Sacramento public works projects are subject to State and Federal Laws and regulations governing the payment and reporting of wages, the use of apprentices, and other applicable labor standards provisions. The City of Sacramento monitors prime contractors' and subcontractors' compliance with labor standards by collecting certified payroll records; conducting on-site interviews of works at the construction sites; when appropriate, audits of contractors' records; and engaging in other activities, as necessary, to ensure labor compliance. Labor Compliance officers make preconstruction presentations to inform contractors of their obligations to comply with labor standards provisions

Labor Compliance Requirements

(Prevailing Wage, SB 854 Etc.)

SB 854, a budget trailer bill that was signed into law on June 20, 2014, and became effective immediately, made several significant changes to laws pertaining to the administration and enforcement of prevailing wage requirements by the Department of Industrial Relations (DIR). Among other things, SB 854 established a new public works contractor registration program to replace prior Compliance Monitoring Unit (CMU) and Labor Compliance Program (LCP) requirements for bond-funded and other specified public works projects. The fees collected through this new program will be used to fund all of DIR's public works activities, including compliance monitoring and enforcement, the determination of prevailing wage rates, public works coverage determinations, and hearing enforcement appeals.

Labor Code Section 1725.5 (enacted by SB 854) requires all contractors bidding on this contract, all subcontractors listed in a bid for this contract, and any contractor or subcontractor performing any work under this contract, to be currently registered with the California Department of Industrial Relations (DIR), as specified in Labor Code Section 1725.5. Labor Code Section 1771.1 (enacted by SB 854) provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Every bidding contractor shall list the contractor's current DIR registration number, and the current DIR registration number of all listed subcontractors, on the Subcontractor and Local Business Enterprise (LBE) Participation Verification Form included in the contractor's bid.

SB 854 – Important Information for Contractors

- **No contractor or subcontractor** may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) **unless registered** with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].
- No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.
- This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.
- The prime contractor must post job site notices prescribed by regulation. (*See* 8 Calif. Code Reg. §16451(d) for the notice that previously was required for projects monitored by the CMU (Compliance Monitoring Unit.)

Essentials of public works contractor registration program:

- Contractors will be subject to a registration and annual renewal fee that has been set initially at $300. The fee is non-refundable and applies to all contractors and subcontractors who intend to bid or perform work on public works projects (as defined under the Labor Code).
- Contractors will apply and pay the fee online and must meet minimum qualifications to be registered as eligible to bid and work on public works projects:
- Must have workers' compensation coverage for any employees and only use subcontractors who are registered public works contractors.

- Must have Contractors State License Board license if applicable to trade.
- Must have no delinquent unpaid wage or penalty assessments owed to any employee or enforcement agency.
- Must not be under federal or state debarment.
- Must not be in prior violation of this registration requirement once it becomes effective. However, for the first violation in a 12 month period, a contractor may still qualify for registration by paying an additional penalty.
- The registration fee is not related to any project. It is more like a license that enables the registrant to bid on and perform public works.

Additionally, **all contractors and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner** (aka Division of Labor Standards Enforcement). The phase-in timetable for this requirement can be found on the following link at http://www.dir.ca.gov/Public- Works/SB854.html *(also for all SB854 related information).*

Prevailing Wage Requirements (except from Sacramento City Code 3.60.180)

Every contract for any construction project, as defined in Section 1782 of the California Labor Code, to be performed within the state at the expense of the city, or paid out of city moneys, whether such work be done directly under contract award, or indirectly by or under subcontract, sub partnership, day labor, station work, piece work, or by any other arrangement whatsoever, must provide, in addition to other provisions required by law, that any person performing labor in the state in execution of such contracts, subcontract, sub partnership, day labor, station labor, piece work or any other arrangement shall be paid not less than the general prevailing rate of wages in private employment for similar work in the city; provided, however, that the foregoing provisions as to payment of the general prevailing rate of wages shall not apply to: (a) contracts for any construction project originally awarded or executed in an amount of twenty-five thousand dollars **($25,000.00) or less**; (b) contracts for any **alteration, demolition, repair, or maintenance work** originally awarded or executed in an amount of fifteen thousand dollars **($15,000) or less**; (c) materials for which no manufacturing plant exists in the city; or (d) standard materials or commodities carried in stock by dealers or manufacturers generally.

The general prevailing rate of wages shall be the general prevailing rate of wages for the area in which the city is located as determined by the director of the Department of Industrial Relations pursuant to Labor Code Section 1773. Every contract for which the payment of the general prevailing rate of wages is required shall provide that the determination of the director of the Department of Industrial Relations in force at the time the notice to bidders is published with respect to the general prevailing rate of wages in private employment in the city for similar work shall be binding upon the parties any contract awarded as a result of such notice.

For more details, please refer to the applicable statutes and regulations regarding the payment of prevailing wages and General Prevailing Wage Determination(s) including the footnotes. Such information is available on the Department of Industrial Relations' website at http://www.dir.ca.gov/. Frequently asked questions can be found on the following link at: http://www.dir.ca.gov/OPRL/FAQ_PrevailingWage.html.

These new requirements will apply to all public works that are subject to the prevailing wage requirements of the Labor Code, without regard to funding source.
Please refer to http://www.dir.ca.gov/ *for general requirements by DIR (Department of Industrial Relations in the State of California).*
For additional information about public works requirements, please visit the public works section at http://www.dir.ca.gov/Public-Works/PublicWorks.html.

CITY OF SACRAMENTO LABOR COMPLIANCE STAFF

Kirsten Wise, Labor Compliance Analyst
Department of General Services
kwise@cityofsacramento.org
916-808-4011

Brenda Kee, Contracts and Labor
Compliance -Department of Public Works
bkee@cityofsacramento.org
916-808-1923

Jose Ledesma, Contracts and Labor
Compliance-Department of Public Works
jledesma@cityofsacramento.org
916-808-8195

Renee Graves, Contracts and Labor
Compliance- Department of Utilities
rgraves@cityofsacramento.org
916-808-1465

City of
SACRAMENTO

STATE WAGE DETERMINATION

Website

The State Wage Determination can be found on-line by accessing the following web site:

http://www.dir.ca.gov/OPRL/pwd/

For additional information you may contact:

Division of Labor Statistics and Research (DLSR) (415) 703-4774

The State Wage Determinations list the basic crafts, (operating engineers, carpenters, laborers, etc.) by location; most sub trades (electricians, plumbers, etc.) are by county *(In the event of multiple funding sources, a comparison of the state and federal determination must be made and the higher wage rate must be applied)*

Our office will be glad to send you a copy of the wage determination, direct you to the appropriate website or answer any questions you may have. You may contact any of the compliance staff member's by referring to the previous contacts page.

Issue Date:

The State Wage Determinations are published twice a year; **February 22** and **August 22**, to reflect updated wage increases incurred. Please be cognizant that increase dates do vary.

Single Asterisk * (Good for life of project)

Example: Expiration Date of Determination: June 27, 2008*

* **Effective** until superseded by new determination issued by the Director of Industrial Relations. Contact Division of Labor Statistics and Research (415) 703-4774 for new rates after 10 days from the expiration date if no subsequent determination is issued.

Double Asterisks ** (Indicates expiration date & a wage or fringe benefit increase) Example:

Expiration Date of Determination: June 30, 2009**

** The rate to be paid for work performed after this date has been determined. **If work will extend past this expiration date, the new rate must be paid** and should be incorporated in contracts entered into now. Contact Division of Labor Statistics and Research (415) 703-4774.

FEDERAL WAGE DETERMINATION

Web Site

The Federal Wage Determination can be found on-line by accessing the following web site:

http://www.wdol.gov

The Davis-Bacon Act (DBA) requires the payment of prevailing wage rates (which are determined by the US Department of Labor) to all workers employed in the execution of the contract on federally funded construction projects. *(In the event of multiple funding sources, a comparison of the state and federal determination must be made and the higher wage rate must be applied).* **Applicable Federal Wage Determinations are included in the bid package.**

Our office will be glad to assist you or answer any questions you may have. You may contact any of the compliance staff member's by referring to the contact information provided.

Publication Date

There is no set date that the Federal Wage Determination is published; it is modified as needed.

Good for the Life of the Project

The applicable Federal Wage Determination is good for the life of the project.

On-Site Posting Required

All contractors must post a copy of the applicable State and/or Federal Wage Determination.

City of SACRAMENTO

Sole Proprietors

Are sole proprietor contractors required by law to pay prevailing wages and submit eCPRs for work done on public works projects?

Sole proprietorship and general partnership companies without employees are required to pay themselves prevailing wages, in accordance with Labor Code section 1774 that states that all workers must be paid prevailing wages. If the worker is also the employer and sole proprietor for whom no payroll exists, the owner should submit eCPRs and must show that that the rate of pay is at or above the required prevailing wage. (The courts have ruled that sole owner companies cannot pay less than the prevailing wages. As such, any contract that is entered into that undercuts the labor component is unlawful.)

What if the company hasn't hired any workers yet, so the owner does all the work? What if the company has employees, but the owner/partner/corporate officer does some work as well?

In the first situation, treat the business as if it were a sole proprietorship and do as explained in the following question. In the second situation, you must first determine if the work done by the owner/partner/officer falls into the category of prevailing wage work. If the work was prevailing wage work, then do as listed below assuming the worker is the owner. In the situations that the worker is the corporate officer who receive a fixed salary, you should annualize the salary to calculate the hourly rate. In the events that the hourly rate is less than the prevailing wage rate, the worker should receive the additional payment to meet the required amount

As a sole proprietor, how do I calculate my pay rate?

You should divide your profit before labor costs (i.e., the amount of contract less fixed cost and variable costs) by the total number of hours you worked on the public works site. Please note that if your labor profit goes below the prevailing wage rate, you could be subject to public works penalties for failing to pay the correct prevailing wage rate. You need to attest under penalty of perjury that you are at or above the required prevailing wage rate for the craft/classification worked.

Do I have to issue myself a paycheck?

An individual who performs skilled or unskilled labor on a public works project is entitled to be paid the applicable prevailing wage rate for the time the work is performed, regardless of whether the individual holds a particular status such as partner, owner, owner-operator, independent contractor or sole proprietor, or holds a particular title with the employer such as president, vice-president,

superintendent or foreman. In accordance with Labor Code 1774, the contractor to whom the contract is awarded, and any subcontractor under him, shall pay not less than the specified prevailing rates of wages to all workmen employed in the execution of the contract.

What happens if I lose money on the job?

The courts have held that sole proprietors cannot undercut labor costs in order to get a public works project. This would be out of compliance with public works laws and would give an unfair advantage to businesses that have no employees.

What if I do not have employees or a FEIN number?

You will need to use your social security number in order to report your hours in the DIR's online eCPR system.

Am I subject to payroll taxes?

No, as a sole proprietor, you are not subject to payroll taxes, but you may be subject to income taxes.

Do I have to employ apprentices?

Generally speaking, yes. However, the exemptions to employ apprentices are listed below.

- Labor Code 1777.5 does not apply to general contractors whose contract is under $30,000.
- When the craft or trade is not apprenticeable.
- When the contractor holds a sole proprietor license and no workers were employed by the contractor. In other words, the contractor performed the entire work from start to finish and worked alone.
- When the project is a federal project and the funding of the project does not contain any city, county, and/or state monies unless the project is administered by a state agency in which case the apprenticeship requirements apply.
- When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

City of SACRAMENTO

Apprentices on Public Work Projects

Summary of Requirements

California Labor Code Section 1777.5 requires all public works contractors and subcontractors to:

1. Submit contract award information
2. Employ registered apprentices
3. Make training fund contributions

Submit contract award information:

If you are a contractor already approved to train apprentices (a member of a DAS recognized Apprenticeship Committee
"Contractors who are already approved to train apprentices must provide contract award information to the apprenticeship committee for each applicable apprenticeable craft or trade that has approved the contractor in the area of the site of the of the public works project." The Contract Award Information must be in writing and submitted to the applicable committee(s) within 10 days of the date of the prime or subcontract but in no event later than the first day the contractor has workers employed on the public works project. You may use form DAS 140 for this purpose. This is simply a notification of award; it is not automatically a request for dispatch of a registered apprentice.

If you are not already approved to train by an Apprenticeship Committee
Contractors not already approved to train apprentices must submit Contract Award Information (DAS 140) to **every** apprenticeship program in the geographic area of the public works project, **for each craft you intend to employ on the project.** You can determine which apprenticeship programs are approved in specific geographic locations by clicking on the following link http://www.dir.ca.gov/databases/das/pwaddrstart.asp
The Contract Award Information must be in writing and submitted to the applicable committee(s) within 10 days of the date of the prime or subcontract but in no event later than the first day the contractor has workers employed on the public works project. This is simply a notification of award; it is not automatically a request for dispatch of a registered apprentice.

Employ registered apprentices:

A contractor on a public works project must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. Title 8 California Code of Regulations, Section 230.1.for each separate craft at the end of a project. **Please check the DAS Important notices to determine if any exemptions exist for your craft or trade.** http://www.dir.ca.gov/DAS/PublicWorksForms.htm

All contractors must request dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (excluding Saturdays, Sundays and Holidays) before the date on which apprentices are required. A DAS 142 form is provided for this purpose. All requests for dispatch must be in writing and sent by first class mail, fax or email.

Contractors who do not receive a sufficient number of apprentices from their initial request, must request dispatch apprentices from all other apprenticeship committees, if more than one exists in the area of the public works project. To determine which apprenticeship programs are approved for your craft or trade in a specific geographic location click the following link http://www.dir.ca.gov/databases/das/pwaddrstart.asp

Ratios:

How many apprentices must I employ on a Public Works project?
At the end of the project, your straight time apprentice hours must equal a total of 1 hour for every 5 straight time journeyman hours for each separate craft. For example, if you have a total of 100 journeyman hours at the end of the project, you would need 20 apprentice hours in that same craft.

Can I mix and match crafts to reach the minimum ratio?
No. The minimum ratio requirement is per each individual craft and only includes straight time hours.

Do overtime hours count toward the minimum ratio?
No, only straight time hours count. Be careful not to confuse premium pay with overtime pay.

What is the maximum number of apprentices I can use on a Public Works Project?
It depends on which box you have checked on your DAS 140. If you checked box 1 or 2 and fall under the regulations set forth in a specific program's standards, then you are allowed to use the maximum ratio set forth in those Standards. If you have checked box 3 and agreed to be governed by the regulations set forth by the California Apprenticeship Council then the minimum and maximum ratio is the same: 1 apprentice hour for every 5 journeyman hours totaled at the end of the project.

I am a contractor who is approved to train by an approved program and am covered by their Standards, or I am a contractor who has agreed to be covered by a program's Standards for a single project. How do I know what the Standards allow for that program's maximum apprentice ratios?
You can ask the program for a copy of their Standards or a copy of the language in Article XV which covers ratios. Or you can call the DAS office nearest the location for that program and request the same.

Make Training Fund Contributions:

Contractors who are awarded public works jobs must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices. This nominal fee contributes to the assurance that new apprentices coming into the craft will be guaranteed the highest level of training and as skilled craftsmen retire, the trade will survive.

Contractors who contribute to an apprenticeship program are entitled to a full credit in the amount of those contributions. Contractors who do not contribute to an apprenticeship program must submit their contributions to the California Apprenticeship Council, P. O. Box 511283, Los Angeles, California 90051-7838.

Training fund contributions to the Council are due and payable on the 15th day of the month for work performed during the preceding month. The contribution should be paid by check and be accompanied be a completed training fund contribution form or a letter containing the following information:

1. The name, address and telephone number of the contractor making the contribution.
2. The contractor's license number.
3. The name and address of the public agency that awarded the contract.
4. The jobsite location, including the county where the work was performed.
5. The contract or project number.
6. The time period covered by the enclosed contributions.
7. The contribution rate and total hours worked by apprenticeable occupation.
8. The name of the program(s) that provide apprentices, if any.
9. The number of apprentice hours worked, by apprenticeable occupation and by program.

Subject to change for most recent documentation please click on the following link:
http://www.dir.ca.gov/das/DASApprenticesOnPublicWorksSummaryOfRequirements.htm

Are you exempt?

What are the instances in which a contractor on a public works project is considered exempt from the requirements of LC 1777.5?

1. Labor Code 1777.5 does not apply to general contractors whose contract is under $30,000.
2. When the craft or trade is not apprenticeable.
3. When the contractor holds a sole proprietor license and no workers were employed by the contractor.
   In other words, the contractor performed the entire work from start to finish and worked alone.
4. When the project is a federal project and the funding of the project does not contain any city, county, and/or state monies unless the project is administered by a state agency in which case the apprenticeship requirements apply.
5. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

What if I am exempt from the requirements of California Labor Code Section 1777.5 as my situation falls under one of the exemptions listed above? Do I still have to provide a "Notice of Contract Award" (DAS 140 form) to the applicable program?

You do not have to submit a "Notice of Contract Award". However, for purposes of letting the applicable program know of your exemption, you may, nevertheless, want to provide the form to the applicable program so they are aware of your exemption.

If I have an Individual Contractor Exemption granted by the Chief of DAS per Labor Code § 1777.5 (j), or § 1777.5(k), do I still need to send a DAS 140 to the appropriate programs?
Yes, you still need to submit a Notice of Contract Award Information (DAS 140) to the appropriate Program Committees. The Individual Contractor Exemptions and Program Committee exemptions pertain to the ratio of apprentices on a public works project and do not eliminate the DAS 140 requirement.

I am a small subcontractor and my job will take less than 40 hours. Am I exempt from hiring apprentices?
No, you must still submit a DAS 140 and 142. However, you may request apprentices in less than 8 hour increments. Important Notice: see changes in Code of Regulations section 230.1, regarding the employment of apprentices on Public Works.

What is a registered apprentice?

An apprentice is someone who has signed an agreement with an employer, an approved apprenticeship program or program sponsor, and whose agreement is registered with the Division of Apprenticeship Standards (DAS). Only an approved apprenticeship program can provide a contractor with a registered apprentice on public works projects.

Do programs that provide apprentices for public works projects provide workers compensation benefits for the apprentice they send out to jobs or is the responsibility of the contractor and/or subcontractor?

This responsibility lies with the contractor and/or subcontractor.

How can I find the names of the applicable approved apprenticeship programs/committees?

1. Contact the DAS District office whose assigned geographic areas of responsibility cover the county/ies in which the public works project is located.
2. Visit our interactive website

As a contractor who has been awarded a public works contract, and has my own employees, am I still required hiring registered apprentices?
Yes. **Important Notice:** see changes in Code of Regulations sections 230.1, regarding the employment of apprentices on Public Works

I am a non-union contractor. Am I required to hire an apprentice?

Yes, you must request dispatch from all approved programs in the geographic area of the project.

Can I employ my friend, family, or my own employee who is still beginning to learn a particular trade, as an apprentice?

No. The law requires that you employ only apprentices who are registered with an approved program. However, if your friend or your employee is a registered apprentice, and has been dispatched to you by an approved apprenticeship program, yes you can.

What happens if I employed my friend who is not a registered apprentice and I paid him the journeyman rate?

You may employ your friend and pay him journey wages but this does not affect the apprenticeship requirements.

What are the benefits and advantages to hiring a registered apprentice?

The benefits of hiring an apprentice registered in a state approved program are:

1. Lower pay rate than the journeyman pay rate.
2. Elimination of recruitment programs for workers who are already trained.
3. Creates a diversified and flexible workforce and larger pool of employees with specific skills.
4. Increases productivity; employees in a structured training program are motivated to achieve.

City of
SACRAMENTO

EMPLOYMENT OF APPRENTICES

A. Bidder is directed to the provisions in Sections **1777.5, 1777.6** and **1777.7** of the California Labor Code concerning the employment of apprentices by a Contractor and any subcontractor performing a public works Contract.

1. **Labor Code section 1777.5 requires the Contractor or subcontractor employing tradesmen in any apprentice-able occupation to apply to the joint apprenticeship committee in the area of the site of the public works project and which administers the apprenticeship program for a certificate of approval.** Contractor or subcontractor shall not be required to submit individual applications for approval to local joint apprenticeship committees provided they are already covered by the local apprenticeship standards. The ratio of apprentices to journeymen and contributions to funds to administer apprenticeship programs shall be determined by Section 1777.5 and the responsibility for compliance with that section for all apprentice-able occupations shall be with the General Contractor.

2. Labor Code section 1777.5 does not apply to Contracts of general contractors or to contracts of specialty contractors not bidding for work through a general or Prime Contractor, when the contracts of general contractors or those specialty contractors, involve less than Thirty Thousand Dollars ($30,000). This is the sum of the total contract amount not the individual contracts that are held between a prime contractor and their sub tiers. A contractor who willfully violates Labor Code section 1777.5 shall be denied the right to bid on or receive a public works contract for a period of up to one (1) year for the first violation, and for a period up to three (3) years for the second and subsequent violations, from the date the determination of noncompliance made by the Administrator of Apprenticeship becomes an order of the California Apprenticeship Council. Contractor shall also be subject to the payment of the civil penalty as provided in Labor Code section 1777.7. Interpretation and enforcement of said Sections 1777.5 and 1777.7 shall be in accordance with the rules and procedures of the California Apprenticeship Council.

This information is provided as a guide. If there are any discrepancies between the language in this handbook and the specifications in the bid package for this project, the bid package shall prevail.

For the most up to date and current apprenticeship information refer to the DIR website.

ALL CURRENT AND APPRETICEABLE TRADES/CRAFTS WITHIN SACRAMENTO COUNTY

Asbestos Worker, Heat and Frost Insulator	Parking and Highway Improvement (Striper)
Boilermaker-Blacksmith	Painter
Bricklayer, Stonemason	Plasterer
Carpenter – All Related Trades	Plaster Tender
Carpet, Linoleum and Resilient Floor Layer	Roofer
Cement Mason	Landscape/Irrigation Fitter
Drywall Installer/Lather (Carpenter)	Sprinkler Fitter (Fire Protection/Fire Control
Drywall Finisher (Painter)	Pile Driver Operating Engineer
Electrician, Inside Wireman	Pile Driver (Carpenter)
Electrical Utility Lineman	Parking and Highway Improvements Painter
Elevator Constructor	Plumber/Steamfitter
Field Surveyor Chainman/Rodman	Pipefitter
Chief of Party	Underground/Utility Pipefitter
Glazer	Metal Roofing System Installer
Electrician (Comm & System Installer)	Sheet Metal Worker
Electrician (Comm & System Tech, Cable Splicer)	Stator Re-winder
Iron Worker	Terrazzo Finisher
Laborer	Terrazzo Worker
Marble Finisher/ Marble Mason/ Marble Setter	Tile Setter
Millwright	Tile Finisher
Operating Engineer	Steel Erector & Fabricator
Operating Engineer (Dredger)	Tunnel/Underground (Operating Engineer)
Building Construction Inspector	Tunnel Worker (Laborer)
Operating Engineer (Landscape Construction)	Parking & Highway Improvement (Striper-Laborer)
Pointer, Caulker and Cleaner	Bricktender
Acoustical Installer (Carpenter)	Scaffolding and Shoring Erector (Carpenter)
Hardwood Floor Layer (Carpenter	Shingler (Carpenter)
Insulation Installer (Carpenter)	Communications & System Installer
Field Surveyor Instrument man	Taper
Roofer	Metal Deck and Siding

If using any of the listed crafts you will be required to request an apprentice and play into the apprentice-able craft training program that is applicable.

This list is subject to change

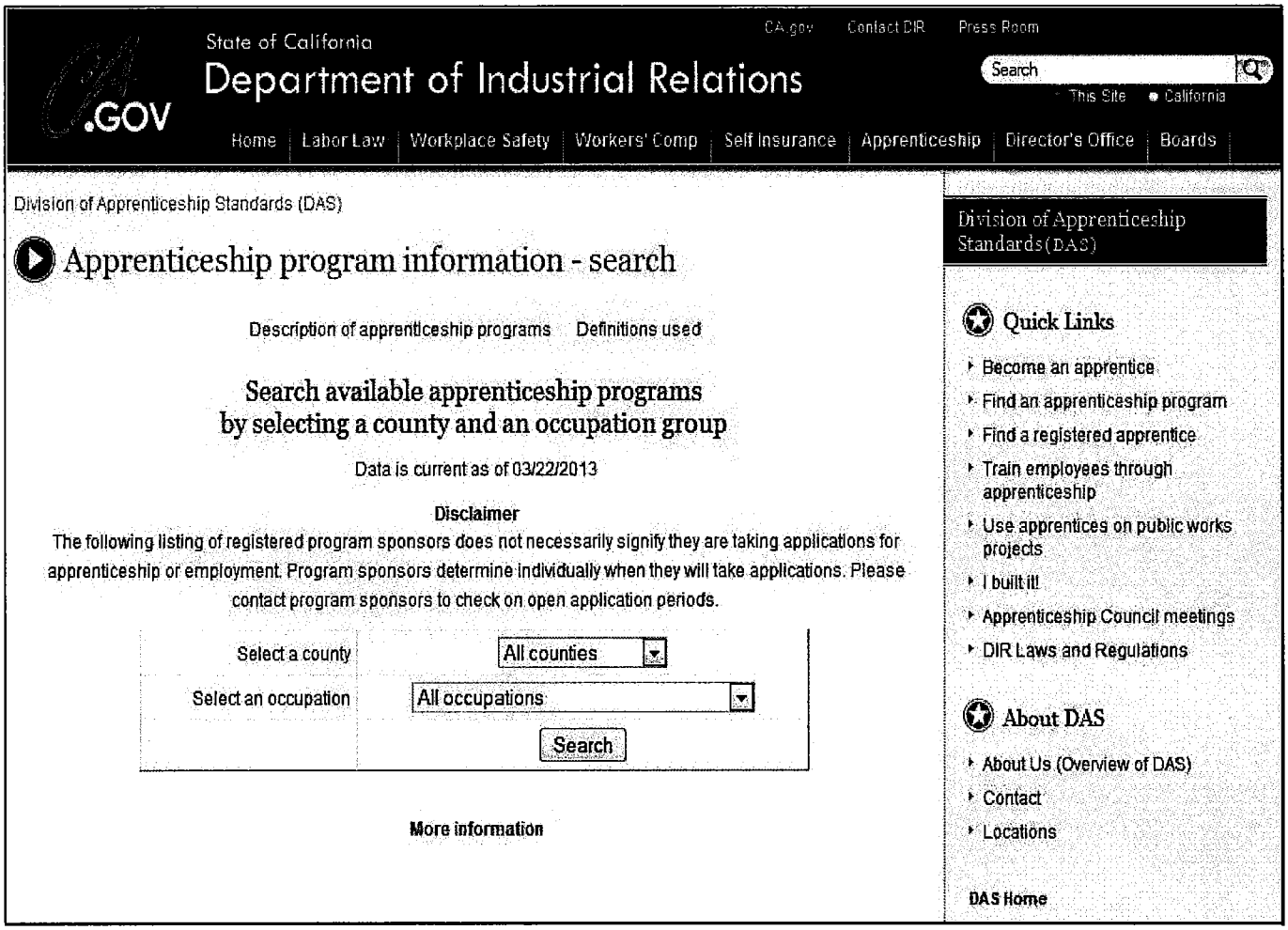
The website to see the latest list of apprenticeable trades is:
http://www.dir.ca.gov/oprl/pwappwage/ PWAppWageStart.asp

STATE OF CALIFORNIA DEPARTMENT INDUSTRIAL RELATIONS

DIVISION OF APPRENTICESHIP STANDARDS
DISTRICT OFFICE
2424 Arden Way, Suite 160
Sacramento, CA 95825

APPRENTICESHIP COMMITTEES FOR SACRAMENTO COUNTY

Please visit: **http://www.dir.ca.gov/databases/das/aigstart.asp** to verify the committee for your specific trade.



(You may access the Department of Apprenticeship Standards (DAS) directly @ www.dir.ca.gov/DAS to research available apprenticeship programs by selecting a specific county and an occupation group)

CAC Training Fund Contributions

Payment of Training Fund Contributions ***must be sent to the California Apprenticeship Council*** *(CAC) if the contractor is* ***not signatory*** *to an apprenticeship committee. The CAC will then distribute the funds to the proper apprenticeship committees. However, the* ***CAC IS NOT AN APPRENTICESHIP COMMITTEE*** *and will not accept the DAS140 or DAS142 forms.*

California Apprenticeship Council (CAC)

P.O. Box 511283

Los Angeles, CA 90051-7838

Overnight payments should be sent to:

California Apprenticeship Council (CAC) 455 Golden Gate Avenue, 9th floor
San Francisco, California 94102

(You may access the Department of Apprenticeship Standards (DAS) directly @ www.dir.ca.gov/DAS to *research available apprenticeship programs by selecting a specific county and an occupation group)*

CAC - Public works training fund contributions

Division of Apprenticeship Standards (DAS)

Training Fund Search

This search function allows awarding agencies, labor and contract compliance organizations, contractors, and other interested parties to view and print a specific contractor's Training Fund contribution paid to the California Apprenticeship Council for the previous 24 months. The payment of the training funds is regulated by California Labor Code 1777.5(m) (1)

Please enter the contractor's license number to begin search.

If you do not know the contractor's license number you may search for it at this site: www.cslb.ca.gov

For employers without a Contractor's license you may look up the id number that was assigned

If you have any comments, questions or suggestions please send them to trainingfund@dir.ca.gov

Copyright © 2014 State of California

PRE CONSTRUCTION DOCUMENTS

CITY OF SACRAMENTO
CALIFORNIA

NOTICE TO PROCEED
Project #PROJECT NUMBER
PROJECT NAME

DATE

PRIME NAME
PRIME ADDRESS
PRIME CITY, STATE, ZIP

Notice is hereby given you are authorized to commence work on the above referenced project on DATE. You are legally required to begin work within fifteen (15) working days of this date. The entire work on the project must be completed within SPELLED OUT NUMBER OF DAYS (NUMERICAL NUMBER OF DAYS) working days from the date of this notice. Forty eight hours prior to starting work, please notify the Project Manager, PM NAME at (916) 808-EXT or PM EMAIL@cityofsacramento.org. Please address all correspondence to:

City of Sacramento
DEPARTMENT NAME
DEPARTMENT ADDRESS
DEPARTMENT CITY, STATE ZIP
Attn: PM NAME

Please reference City Project # PROJECT NUMBER in all billing correspondence. We look forward to a mutually successful project. The City of Sacramento is committed to the "Partnering Concept" of open communication and cooperative construction. In that spirit, please do not hesitate to contact me at (916) 808-CONTRACT & COMP EXT or CONTRACT & COMP EMAIL@cityofsacramento.org if I can be of any assistance.

Respectfully,

CONTRACT & COMP NAME Date
Contracts & Compliance Specialist

Receipt Acknowledge,

Signature Date

Cc: CONTRACT & COMP NAME, ACCOUNTING NAME, PM NAME

City of SACRAMENTO

Labor Compliance Requirements

DATE:
JOB:
PROJECT

Contract Administrator:
Labor Compliance Officer:
Project Manager:
Inspector:
Prime Contractor:

In accordance to City of Sacramento Ordinance Section 360.180 the following is to comply with the City of Sacramento prevailing wage provision and contract provisions.

The award of a public works contract requires that all workers employed on the project be paid not less than the specified general prevailing wage rates by the contractor and its subcontractors. Owner Operators are not exempt from this requirement (LC § 1771, LC §1774). Current Prevailing Wage Rates can be accessed at http://www.dir.ca.govh/dlsr/pwd. NOTE: *The first bid advertisement date of the project determines the applicable wage for this project. Please check your bid advertisement date to make sure you are using the correct determination. Superseded prevailing wage determinations can be obtained at http://www.dir.ca.gov/oprl/main.htm.*

Prevailing wage rates and rate changes are to be posted at the job site for workers to view.

If Federal Funded: Davis/Bacon prevailing wage rates apply, unless State prevailing wage rates are required.

Prevailing Wage Requirements

- ❑ All workers employed in the execution of a public works project, including sole proprietors, partners, and corporate officers, must be paid not less than the specified prevailing wage rates for the type of work performed. *Reference: Labor Code 1774*
- ❑ Overtime must be paid for all hours over 8 in a calendar day and 40 hours in a week. Violations may subject the contractor to a state penalty of $25 per day per worker. *References: Labor Code 1810-1815*
- ❑ Saturday/Sunday premium rates are applicable as indicated on prevailing wage determinations.
- ❑ When required shift differential rates must be paid for classifications which include a shift determination.
- ❑ **State Prevailing Wage Determinations**
  *** Single asterisk** indicates that this wage determination can be used for the life of the contract.
  ****Double asterisk** indicates that this wage determination includes predetermined increases.
- ❑ Subsistence/Zone pay must be shown on the fringe benefit statement if not shown on certified payroll.

- ⇨ The contractor must make applicable travel and subsistence payments in accordance with information on file with the Department of Industrial Relations (DIR) for classifications utilized. Call the Prevailing Wage Unit at (415) 703-4774 or available at: (415) 703-4774 or available at: http://www.dir.ca.gov/dlsr/PWD/index.htm *Reference: Labor Code 1773.1*

- ❑ Contractors violating prevailing wage requirements are subject to a penalty of up to $200 per day per worker, paid in addition to any wage underpayments. Liquidated damages in the amount of the wage underpayments may also apply. *References: Labor Code 1775 and 1742.1*

Apprentices

- ❑ All requirements of the State Labor Code, Section 1777.5 apply including the following: (This is for all contracts, work or task orders executed that are over $30,000)
  - ⇨ Submit Division of Industrial Relations **form DAS-140**, *Public Works Contract Award Information*, to the applicable apprenticeship committee prior to start of work. This form must be uploaded into LCPtracker with proof of service included. The form may be downloaded at: http://www.dir.ca.gov/DAS/PublicWorksForms.htm

    Submit Division of Industrial Relations **form DAS-142**- Request for Dispatch of Apprentices (Prime and Sub-Contractors.) This form must be uploaded into LCPtracker with proof of service included. The form may be downloaded at: http://www.dir.ca.gov/DAS/PublicWorksForms.htm or under the e-Documents tab in LCPtracker.net

  - ⇨ Training fees MUST be sent to a state-approved apprenticeship program or the California Apprenticeship Council and identified on the fringe benefit statement. **CAC-2 Form are due monthly by the 15th.**

    Training Fund Contribution Letter -are **due monthly by Prime and Sub- Contractors.** (If you are a Union Contractor submit the CAC-2 form stating funds are paid to specific trust fund and letter verifying those funds have been paid please upload both forms in LCPTracker.net)
  - ⇨ Apprentices must be paid the prevailing wage rate applicable to the classification and step in which they are registered and employed.

- ❑ Proof of registration in a state-approved apprenticeship program is required and must be submitted with the first payroll on which apprentices appear. The apprentice certificate is to be uploaded into LCPtracker prior to approval. *References: Labor Code 1777.5; Contract Provision*

- ❑ Complaints or violations regarding apprentice ratios will be referred to DAS. *Reference: CCR 16434*

Certified Payroll Records

- **Certified Payroll Reports *(CPR)*** Input into LCPTracker.net and delivered to the DIR as of April 1, 2015. ***The CPR's for the prime contractor and all sub-contractors must now be reported to the City of Sacramento and the State of California.*** **CPR's are due within ten (10) days of pay period end date.** CPR's shall contain the same information for compliance with ***LC § 1776.*** Classification and group numbers are required on all payrolls. When work classification is not shown the City will determine the wage rate based on duties performed. Due minimum of bi-weekly with a Statement of Compliance for each pay period. (Located on LCPTracker.net under edocs) Reminder: wage increase for Master Agreements usually occurs on 06/15 and 06/29 or 06/30.

- **Negative Payroll Report Due within ten (10) days of pay period end date** if there is five (5) or more consecutive non-work days within any single pay period.

- **Fringe Benefit Statement: Form 420 (Located on LCPTracker.net under edocs)** Paid in cash or contributions to plans/programs are **due with first certified payroll report and anytime the fringe benefits change. Please breakdown all fringes paid to employee and to what program they are being paid to.** Documentation that the amount stated on the fringe benefit statement is being paid on the employees behalf may be requested for validation. If fringes are paid in cash please list a breakdown of those cash amounts.

- **Other Deductions** –Need to be detailed on the CPR and must be expressly authorized in writing by the employee or collective bargaining agreement. A form signed by the employee is uploaded into LCPtracker.net. If the employer does not have a form there is one available in the eDocuments tab on LCPtracker.net

Listing of Subcontractors

Contractors and subcontractors are required to list all suppliers and subcontractors hired to perform work on a public works project (in accordance to contract standard specification).

No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) **unless registered** with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

- ❑ The Subletting and Subcontracting Fair Practices Act requires prime contractors to list, at bid time, all subcontractors who will perform work in excess of one-half of one percent of the total bid amount or $10,000, whichever is greater. For building projects, subcontractors who will perform work in excess of one-half of one percent must be listed. The prime must use those subs as listed at bid time unless a **written substitution is requested and approved in writing** by the Contracts Specialist and Project Manager **before** substitution. *References: Public Contract Code 4100-4114; Standard Specifications 5, Control of Work*
- ❑ *Subcontracting Request*, Prime Contractor update the Form 300 (List of Subcontractors & Suppliers) before they begin work at the jobsite and anytime there is an approved substitution. The prime must perform 30 percent of the work with their own forces.
- ❑ The **prime contractor** is responsible for work performed and that **all compliance** is met by subcontractors and owner- operators. The Contractor **shall perform with its own organization** and with the assistance of workers under its immediate superintendence, work of a value not less than **twenty percent (20%)** of the value of all work in the contract.
- ❑ Failure to comply with the requirements of the Subletting and Subcontracting Fair Practices Act may result in a penalty of 0-10 percent of the subcontract involved and a referral to the Contractors State License Board. *Reference: Public Contract Code 4110-4111*

List of Subcontractors & Suppliers: Form 300 (Located on LCPTracker.net under edocs) Per Government Section 4100 et seq; prohibition against unfair competition Business & Professions Code Section 17200-17208, you must list suppliers and the amount of their product (s). Form is due within ten (10) days of pre-construction meeting.

Pay Requests

The Labor Compliance Officer shall notify the contractor and the Project Manager of noncompliance and labor issues prior to pay requests approval. Advance notice of submission to the Compliance Officer is appreciated. You must submit a** current schedule of values **with each pay request and** you must have all labor compliance requirements met **before** submitting a pay request. Failure to meet the labor compliance requirements will result in your pay request being **denied and returned to you for full

compliance. *Pay request must be submitted to the inspector for his/her review first. The inspector will then forward the request to the Project Manager and the Labor Compliance Officer for their review. Pursuant to Labor Code Section 1776, the City of Sacramento* ***will impose penalties of $100 per day per worker for each day the documentation that is requested is considered late (beyond the 10 days from when notice is given),*** *even if the information you eventually submit is found to be correct. This information is to be uploaded into LCPtracker.net. If you have been asked to make any corrections to the documents submitted, we ask that you make the requested corrections and re-upload the corrected document into LCPtracker as soon as possible. As progress payments may be delayed while these items are outstanding, it would be in your best interest to see that these documents are provided as soon as possible.*

Completion of Project

- **Contractor Notification of Completion:** ***Form 264*** must be submitted into LCP Tracker, due upon completion of all punch list items established during final job walk.

All of these forms discussed in this document are located on LCPTracker.net under the eDocuments tab.

In accordance with city policy and contract documents, the undersigned contractor herein certifies that it will comply with the foregoing prevailing wage requirements; and fully understands that failure to comply with these requirements will subject it to the penalties cited herein.

_____	_____	_____
Contractor Signature	**Title**	**Date**

City of SACRAMENTO

Start-Up Documents Due Prior to Start of Construction:

1. **Certification Statement of Contractor:**
   a) If there is any contractor working as an "Independent Contractor", "Owner-Operator", "Sole Proprietor" or "Leased Worker" the certification form must be filled out.
   b) The original is to be submitted prior to, or concurrent with, the first payroll in which the Independent Contractor, Owner-Operator, Sole Proprietor or Leased Worker commences work.

2. **Authorization Letter for Signing Certified Payroll**
   a) To be signed by **company officer** or **owner** and uploaded into LCPtracker prior to the first Certified Payroll Report.
   b) This document lets the Labor Compliance Department know whom is authorized to sign certify payroll reports and other documents on behalf of the Contractor.

3. **FORM 300 List of all Subcontractors and Suppliers:**
   a) To be filled out and uploaded within 10 days of the preconstruction meeting and prior to the first Certified Payroll Report.
   b) This document lets the Labor Compliance Department know who will be working on this project. This is checked against initial form that was submitted with bid documents. If there are any changes during the life of the construction projected this form is to be updated and the Labor Compliance Officer is to be made aware of changes.
   c) This form is to be filled out by all Subcontractors and their lower level subs and uploaded into LCPtracker.

4. **Checklist of Labor Law Requirements:**
   a) To be filled out and signed by the contractor and all sub tier contractors **prior** to start of their work on the construction project. Please check all boxes that apply.

5. **Fringe Benefit Statement:**
   a) Asterisk or note any form of benefits that are included in the payroll reports should be listed out as an "hourly" rate of pay for each trade used.
   b) If fringe payments are made directly to the employee in lieu of fringes please note "paid in cash" under the applicable fringe payment and breakdown the hourly rate that is paid to the employee in cash.
   c) Must be re-submitted when wage rates are updated, with effective dates and/or any changes in fringes are made.

6 **DAS-140- Public Works Contract Award Information Form:**

a) Contract award information must be sent to your Apprenticeship Committee if you are approved to train apprentices. If you are NOT approved to train apprentices you must send the information to ALL applicable Apprenticeship Committees in your craft or trade in the area of the Public Works Project.

b) After you have completed the DAS-140 Form mail the original(s) to the appropriate Joint Apprentice Training Committee(s) within (10) days of the date of the execution of the prime contractors subcontract, but in no even later than the first day in which the contractor has workers employed upon the public work (CA Labor Code 1777.5 (e)).

c) Upload a copy of the form or all forms submitted with proof of deliver to the LCPtracker.net program under the e-Documents Tab. The form of proof can be certified mail or fax confirmation.

d) All Applicable Joint Apprentice Training Committee (s) may be found at: http://www.dir.ca.gov/Databases/das/pwaddrstart.asp/

e) Templates available for download can be found at: http://www.dir.ca.gov/DAS/PublicWorksForms.htm or on LCPtracker.net under the e-Documents tab.

7 **DAS-7- Agreement to Train Apprentices Form:**

a) **IF Applicable: (Checked box 1 on the DAS 140)**

i. Submit your DAS-7 or equivalent certification and upload into LCPtracker.net under the e-Documents tabs and inform the labor compliance person monitoring your project. This form can be submitted with your DAS-140 form.

8 **DAS-142 Request for Dispatch of an Apprentice Form:**

a) Send to the Joint Apprentice Training Committees (JATC) in your craft or trade in the geographic area of the Public Works Project to request the dispatch of an apprentice before starting work at the site and as needed throughout the project.

b) Employment of Apprentices on Public Works project- (a) Contractor(s) shall employ registered apprentice(s), as defined by Chapter 4 (commencing with Section 3070) of Division 3, during the performance of a Public Work Project in accordance with the required (1) hour of work performed by an apprentice for every (5) hours of labor performed by a journeyman, unless covered by one of the exemptions enumerated in the Labor Code Section 1777.5 or this subchapter.

c) Provide a copy of your apprenticeship program's standards if they operate under a different ration then the California Labor Codes & Regulations.

d) Template available for download can be found at: http://www.dir.ca.gov/DAS/PublicWorksForms.htm

REQUIRED FORMS PRIOR TO CONSTRUCTION

City of SACRAMENTO

Classification Worksheet

A separate form must be filled out for each contractor/subcontractor performing on the project.

Project Name	
Project Number	
Contractor Name	
Contact Name	
Contact Phone	
Contact Email	
CSLB/Certificate #	

Classification(s) being Utilized (check all that apply)

- ☐ Asbestos
- ☐ Electricians
- ☐ Pile Drivers
- ☐ Boilermaker
- ☐ Elevator Mechanic
- ☐ Pipe Trades
- ☐ Bricklayers
- ☐ Glaziers
- ☐ Plasterer
- ☐ Carpenter
- ☐ Iron Workers
- ☐ Roofers
- ☐ Tile Workers
- ☐ Carpet/Linoleum
- ☐ Laborers
- ☐ Sheet Metal
- ☐ Cement Mason
- ☐ Millwrights
- ☐ Sound/Communication
- ☐ Drywall Finisher
- ☐ Operating Engineer
- ☐ Surveyor
- ☐ Drywall/Lather
- ☐ Painters
- ☐ Teamster
- ☐ Other (specify) _____

PLACE ON COMPANY LETTERHEAD

Date: April 25, 2014

INSERT PROJECT OWNER Address

INSERT PRIME SUBCONTRACTOR Address

To whom it may concern:

I, the undersigned, hereby authorize ..... to sign on our behalf in all manners relating to certified payroll, including signing of all certified payroll related documents. Any and all acts carried out by ..... on our behalf shall have the same effect as acts of our own.

This affirm that the signatories identified above have the authority under penalty of perjury to affirm that required forms and certified payroll records are originals or are full, true and correct copies of the original and correctly depict the Trades, Crafts and Classifications of work performed; hours and days worked; and the amounts by category listed, disbursed by way of cash, check, or in whatever form or manner to each person by job classification and/or skill pursuant to public works contract.

This authorization is valid until further written notice from (COMPANY NAME).

Sincerely,

(Company counsel or company officer's signature)

(Name Address and Title)

City of Sacramento

PW-300 Form

Instructions: The Prime Contractor and all Subcontractors are required to submit the PW-300 via LCPTracker.net. If there are no subs or suppliers, state on the PW-300 and upload. If you are a Subcontractor with no additional lower tier subs place the Prime Contractors information in the Prime Contractor box and list yourself as the Subcontractor. Fill out the information that is known. If you are a Subcontractor with lower tier subs please put your company name under the Prime Contractor field and all subs under the Subcontractors List field. Please refer to Public Contract Code 4107 regarding changes to subcontractor listing. If there are any changes made to this list during the duration of the project which might include an additional subcontractor/supplier or eliminating a subcontractor/supplier then a revision to the PW-300 Form is required. DIR REGISTRATION # MANDATORY

PRIME CONTRACTOR			
Date		Project #	
Name		Project Name	
Address:		Contract #	
City, State, Zip		Total Contract Amount	
Contact Name/Phone #		Estimated Start Date	
Email		Estimated Completion Date	
DIR Registration #		Federal Tax ID #	
Contractor Lic. #		State Tax ID #	

SUBCONTRACTORS LIST			
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	

City of Sacramento

PW-300 Form

SUBCONTRACTORS LIST			
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	
Name		Contact Name/Phone #	
Address:		Email	
City, State, Zip		Description of services	
Contractor Lic. #		Estimated Start Date:	
DIR Registration #		Estimated Completion Date	
Contract $ Value		LBE/EBE/DBE	

City of Sacramento

PW-300 Form

SUPPLIERS LIST			
Name		Contact	
Address:		Phone	
City, State, Zip		Email	
Description of materials		$ Amount	
Name		Contact	
Address:		Phone	
City, State, Zip		Email	
Description of materials		$ Amount	
Name		Contact	
Address:		Phone	
City, State, Zip		Email	
Description of materials		$ Amount	
Name		Contact	
Address:		Phone	
City, State, Zip		Email	
Description of materials		$ Amount	
Name		Contact	
Address:		Phone	
City, State, Zip		Email	
Description of materials		$ Amount	
Name		Contact	
Address:		Phone	
City, State, Zip		Email	
Description of materials		$ Amount	

I have completed the documentation accurately and to the best of my knowledge.

Signature: _____

Date: _____

Checklist of Labor Law Requirements

(CCR Title 8, Section 16421)

Ultimately the prime contractor is liable for their sub and specialty contractors. This checklist is a useful tool for the prime contractor to ensure that their sub and specialty contractors know their responsibilities on public works projects. Contractors who understand and comply with the law are more likely to deliver the job on time, on budget and done right the first time. We suggest the Prime contractor encourage completion of this checklist by their sub and specialty contractors.

NAME (print)_____ Date _____

Company_____ Phone _____

Address_____ Fax _____

City_____ State_____ Zip Code _____

Project Manager_____ Superintendent/Foreman _____

Certified Payroll_____ Phone/Ext. _____

Contractor License NO._____ Exp. Date_____ Specialty License NO. _____

Self-insured Certificate NO._____ Workers Comp policy NO. _____

Project NAME_____ Project #/Bid Package# _____

Awarding Body_____ Advertisement Date _____

If Subcontracting, List your prime/general Contractor _____

Contract Award Amount_____

The Federal AND State Labor LAW requirements Applicable to the Contract Are Composed OF, But Not Limited to, the Following:

☐ **Payment of Prevailing Wage Rates**

The contractor to whom the contract is awarded and its subcontractors hired for the public works project are required to pay not less than the specified general prevailing wage rates to all workers employed in the execution of the contract. *Labor Code Section 1770 et seq.*

The contractor is responsible for ascertaining and complying with all current general prevailing wage rates for crafts and any rate changes that occur during the life of the contract. Information on all prevailing wage rates and all rate changes are to be posted at the job site for all workers to view. Additionally, current wage rate information can be found at the DLSR web site, *www.dir.ca.gov/dlsr/statistics_research.html.*

☐ **Apprentices**

It is the duty of the contractor and subcontractors to employ registered apprentices on the public works project and to comply with all aspects of *Labor Code Section 1777.5*, relating to Apprentices on public Works. (1) Notify approved apprenticeship programs of contract award; (2) employ apprentices; (3) pay training fund contributions.

☐ **Penalties**

There are penalties required for contractor's/subcontractor's failure to pay prevailing wages and for failure to employ apprentices, including forfeitures and debarment under *Labor Code Sections 1775; 1776; 1777.1; 1777.7 and 1813.*

☐ **Certified Payroll Reports**

under *Labor Code Section 1776*, contractors and subcontractors are required to keep accurate payroll records showing the name, address, social security number and work classification of each employee and owner performing work; also the straight time and overtime hours worked each day for each week, the fringe benefits, and, the actual per diem wage paid to each owner, journey person, apprentice worker or other employee hired in connection with the public works project.

This requirement includes and applies to all subcontractors performing work on Awarding Body projects even if their portion of the work is less than one half of one percent (0.05%) of the total amount of the contract.

The certified payroll records shall contain the same data fields listed on the *Public Works Payroll Reporting Form (A-1-131)* and contain or is accompanied by a declaration made under penalty of perjury. *(California Code of Regulations, Section 16401).*

Prime Contractors are responsible for submittal of their payrolls and those of their respective subcontractors as one package. Any payroll not submitted in the proper form will be rejected. In the event that there has been no work performed during a

Checklist of Labor Law Requirements, continued

Given week, the certified payroll report shall be annotated: "No work" for that week or a Non-performance Statement must be submitted.

Employee payroll records shall be certified and shall be made available for inspection at all reasonable hours at the principal office of the contractor/subcontractor, or shall be furnished to any employee, or his/her authorized representative on request, pursuant to *Labor Code Section 1776.*

Under *Labor Code Section 1776(g)* there are penalties required for contractor's/subcontractor's failure to maintain and submit copies of certified payroll records on request.

☐ **Nondiscrimination in Employment**

There exist prohibitions against employment discrimination under *Labor Code Sections 1735 and 1777.6,* The *Government Code,* the *Public Contracts Code,* and *Title VII of the Civil Rights Act of 1964.*

☐ **Kickbacks Prohibited**

Contractors and subcontractors are prohibited from recapturing wages illegally by accepting or extracting "kickbacks" from employee wages under *Labor Code Section 1778.*

☐ **Acceptance of Fees Prohibited**

There exists a prohibition against contractor/subcontractor acceptance of fees for registering any person for public work under *Labor Code Section 1779*; or for filling work orders on public works contracts pursuant to *Labor Code Section 1780.*

☐ **Listing of Subcontractors**

All prime contractors are required to list properly all subcontractors hired to perform work on the public works projects covering more than one-half of one percent, pursuant to *Government Code Section 4104.*

☐ **Proper Licensing**

Contractors are required to be licensed properly and to require that all subcontractors be properly licensed. Penalties are required for employing workers while unlicensed under *Labor Code Section 1021* and under the California Contractor License Law found at *Business and Professions Code Section 7000 et seq.*

☐ **Unfair Competition Prohibited**

Contractors and sub-contractors are prohibited from engaging in unfair competition as specified under *Business and Professions Code Sections 17200 to 17208.*

☐ **Workers Compensation Insurance**

Labor Code Section 1861 requires that contractors and subcontractors be insured properly for Workers Compensation.

☐ **OSHA**

Contractors and subcontractors are required to abide by the Occupational, Safety and Health laws and regulations that apply to the particular construction project.

☐ **Proof of Eligibility/Citizenship**

The federal prohibition against hiring undocumented workers, and the requirement to secure proof of eligibility/citizenship from all workers, is required.

☐ **Itemized Wage Statement**

Labor Code Section 226 requires that employees be provided with itemized wage statements.

Certification

I acknowledge that I have been informed and am aware of the foregoing requirements and that I am authorized to make this certification on behalf of _____
(Company Name)

I fully understand that failure to comply with any of the above requirements may subject me, or my company, to penalties as provided above.

Contractor _____ (Signature) _____ (Date)

Awarding Agency /Labor Compliance program _____ (Signature) _____ (Date)

City of SACRAMENTO

Statement of Employer Payments
"Fringe Benefit Statement"

In order that the proper Fringe Benefit rates can be verified when checking payrolls on the below contract, the hourly rates for fringe benefits, payment made for employees on the various classes of work are tabulated below. If you use other plans not listed above, you may use the next page to provide this additional information. **If the contributions are paid to the employee in cash** please list the hourly amount in the corresponding category. Training Fund Contributions can never be paid to the employee directly.

Date _____ In Reply, Refer to Case No.: ____
Prime: _____
Subcontractor: _____
PROJECTNAME: _____
PROJECT CONTRACT NO.: _____ County/location: _____

HEALTHANDWELFARE

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S)USED/EFFECTIVE DATE			CONTRIBUTIONPERCLASSIFICATION/PERHOUR	
CONTRIBUTIONS	WEEKLY ❑	MONTHLY ❑	QUARTERLY ❑	ANNUALLY ❑

PENSION

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

VACATION/HOLIDAY

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

TRAINING

NAME OF PLAN _____ Address, City, State, Zip _____
ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICAITON(S) USED/EFFECTIVE DATE	CONTRIBUTIONPERCLASSIFICATION/PERHOUR
CONTRIBUTIONS: WEEKLY ❑ MONTHLY ❑ QUARTERLY ❑ ANNUALLY ❑	

How to Fill out the DAS 140 Correctly:

Process:

If the **total dollar value of a project** exceeds $30,000, apprentice must be requested. The DAS-140 form is to be forwarded directly to an apprenticeship committee of the contractor's choice, and a copy with verification of proof of submission uploaded into SDCRAA Labor Compliance Departments electronic system; LCP Tracker.

Submit the contract award information in writing to **each** of the apprenticeship program sponsors ***in the locality*** of your public works project within **10 days** of the prime execution of the contract or subcontract, **but in no event later than the first day in which the contractor has workers employed on the project.**
The DAS140 is simply a "notification of award" and is not automatically a request for dispatch of a registered apprentice.

State regulations state a contractor on a public works project must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. ***Please follow up with the selected apprenticeship committee to confirm 'Apprentice' to 'Journeyman' ratio, as ratios do vary from trade to trade.***

All contractors must request 'dispatch of an apprentice' from an apprenticeship program (for each apprentice- able craft or trade) by giving the program notice of a minimum of 72 hours (business days only) before the date on which apprentices are required. Contractors who are not already participating in an approved program and who did not receive a sufficient number of apprentices from their initial request, must dispatch apprentices from all other apprenticeship committees within the locality, if more than one exists in the area of the public works project.

What are the differences between box 1, 2, and 3 at the bottom of the DAS 140?

- Box 1 is for contractors who are already approved to train by an apprenticeship program (signatory/member).
- Box 2 indicates that a contractor is willing to comply with a program's Standards for the current project only. This generally means that the fringe benefits and the training funds will be paid to that Committee's Trust Fund. It also allows a contractor to take advantage of a more generous maximum ratio than the CAC Standards, but does not affect the minimum ratio of 1 apprentice hour for every 5 journeyman hours.
- Box 3 means that a contractor will be governed by the regulations of the California Apprenticeship Council. Generally this means that the minimum and maximum ratio for apprentices is the same – 1 apprentice hour for every 5 journeyman hours per each craft, totaled at the end of the project. It also means the Training Fund Contribution is usually paid to the California Apprenticeship Council.

SELECTING BOXES:

1. Contractor has a signed "**Agreement to Train Apprentice"** with an affiliated (state certified) apprenticeship committee, the contractor has apprentices ***on staff*** and has the ability to train apprentices.
    a. **Must provide a copy of the DAS7 agreement for verification OR a letter from the JATC or UNION stating that the contractor is approved to train apprentices.**

2. Contractor is not currently affiliated with a state approved program, is selecting a committee, and requesting apprentice; will be abiding by **committee's** standards.

3. Contractor will contact a committee and request an apprentice, but is not obligating to maintain affiliation w/any-one committee; additionally contractor will not commit to selected program committee standards but will follow **state standards** (most commonly used for out-of-state contractors).

    a. Per the DAS, this is not the preferred selection; however the State **is not requiring** a contractor to join a program, just ensuring that apprentices are utilized on Public Work Projects.

PUBLIC WORKS CONTRACT AWARD INFORMATION

Contract award information must be sent to your Apprenticeship Committee if you are approved to train. If you are not approved to train, you must send the information (which may be this form) to ALL applicable Apprenticeship Committees in your craft or trade in the area of the site of the public work. Go to: http://www.dir.ca.gov/das/PublicWorksForms.htm for information about programs in your area and trade. You may also consult your local Division of Apprenticeship Standards (DAS) office whose telephone number may be found in your local directory under California, State of, Industrial Relations, Division of Apprenticeship Standards.

Do not send this form to the Division of Apprenticeship Standards.

NAME OF YOUR COMPANY	CONTRACTOR'S STATE LICENSE NO
MAILING ADDRESS- NUMBER & STREET, CITY, ZIP CODE	AREA CODE & TELEPHONE NO.
NAME & ADDRESS OF PUBLIC WORKS PROJECT	DATE YOUR CONTRACT EXECUTED
	DATE OF EXPECTED OR ACTUAL START OF PROJECT
NAME & ADDRESS OF PUBLIC AGENCY AWARDING CONTRACT	ESTIMATED NUMBER OF JOURNEYMEN HOURS
	OCCUPATION OF APPRENTICE
THIS FORM IS BEING SENT TO: (NAME & ADDRESS OF APPRENTICESHIP PROGRAM(S))	ESTIMATED NUMBER OF APPRENTICE HOURS
	APPROXIMATE DATES TO BE EMPLOYED

This is not a request for dispatch of apprentices.

Contractors must make a separate request for actual dispatch, in accordance with Section 230.1(a) California Code of Regulations

Check One Of The Boxes Below

1. ☐ We are already approved to train apprentices by the _____ Apprenticeship Committee. We will employ and train under their Standards. Enter name of the Committee

2. ☐ We will comply with the standards of _____ Apprenticeship Committee for the duration of this job only. Enter name of the Committee

3. ☐ We will employ and train apprentices in accordance with the California Apprenticeship Council regulations, including § 230.1 (c) which requires that apprentices employed on public projects can only be assigned to perform work of the craft or trade to which the apprentice is registered and that the apprentices must at all times work with or under the direct supervision of journeyman/men.

Signature _____ *Date* _____

Typed Name _____

Title _____

State of California - Department of Industrial Relations DIVISION OF APPRENTICESHIP STANDARDS

DAS 140 (REV. 1/04)

AGREEMENT TO TRAIN APPRENTICE

District No. .....

DAS File No. .....

NAME OF EMPLOYER				
MAILING ADDRESS (STREET AND NUMBER)	CITY	STATE	ZIP CODE	TELEPHONE NUMBER
ADDRESS OF TRAINING LOCATION (IF DIFFERENT)				
OCCUPATION(S)				O*Net Code
NAME OF APPRENTICESHIP COMMITTEE AND STANDARDS				
AREA COVERED BY APPRENTICESHIP STANDARDS or NAME AND ADDRESS OF PROJECT				

THE OFFICIAL, whose signature follows, agrees on behalf of the above named employer to train apprentices in the designated occupation in accordance with the apprenticeship standards and apprentice agreement and to comply with the provisions thereof.

[SIGNED] By .....

Printed name .....

Title ..... **Date** .....

THE APPRENTICESHIP COMMITTEE accepts and approves the employer as qualified to train apprentices under its standards in the designated occupation.

[SIGNED] By .....

Printed name .....

Title ..... **Date** .....

Accepted:
DIVISION OF APPRENTICESHIP STANDARDS

Effective until:

☐ **Revoked**

☐ **End of Project** (Enter project name and address in Area Covered above)

☐ **Date** .....
Date

☐ **Other** .....
Specify

EFFECTIVE DATE

[SIGNED] By ..... **Date** .....
Apprenticeship Consultant

REMARKS:

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF APPRENTICESHIP STANDARDS

DAS 7 (REV 11/09)

AGREEMENT TO TRAIN APPRENTICES

District No. _____

DAS File No. _____

NAME OF EMPLOYER				
MAILING ADDRESS (STREET AND NUMBER)	CITY	STATE	ZIP CODE	TELEPHONE NUMBER
ADDRESS OF TRAINING LOCATION (IF DIFFERENT)				
OCCUPATION(S)				O*Net Code
NAME OF APPRENTICESHIP COMMITTEE AND STANDARDS				
AREA COVERED BY APPRENTICESHIP STANDARDS or NAME AND ADDRESS OF PROJECT				

THE OFFICIAL, whose signature follows, agrees on behalf of the above named employer to train apprentices in the designated occupation in accordance with the apprenticeship standards and apprentice agreement and to comply with the provisions thereof.

[SIGNED] **By** _____

Printed name _____

Title _____ **Date** _____

THE APPRENTICESHIP COMMITTEE accepts and approves the employer as qualified to train apprentices under its standards in the designated occupation.

[SIGNED] **By** _____

Printed name _____

Title _____ **Date** _____

Accepted:

DIVISION OF APPRENTICESHIP STANDARDS

Effective until:

☐ **Revoked**

☐ **End of Project** (Enter project name and address in Area Covered above)

☐ **Date** _____ Date

☐ **Other** _____ Specify

EFFECTIVE DATE

[SIGNED] **By** _____ **Date** _____

Apprenticeship Consultant

REMARKS:

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF APPRENTICESHIP STANDARDS

DAS 7 (REV 11/08)

D. O.	FILE NUMBER

A	B	C	D	E	Official Use
Gender	Ethnic	Dependents	Education	Yrs Employ	STATUS

State of California -- Department of Industrial Relations --DIVISION OF APPRENTICESHIP STANDARDS

APPRENTICE AGREEMENT

APPRENTICE LAST NAME,	FIRST NAME	MIDDLE	SOCIAL SECURITY NUMBER
APPRENTICE ADDRESS (NUMBER AND STREET / CITY, STATE & ZIP)		BIRTHDATE (mm/dd/yyyy)	F - VETERAN Yes: ☐ No: ☐
			COUNTY OF RESIDENCE
OCCUPATION			O*Net code
TERM OF APPRENTICESHIP Hours Within Years		STRAIGHT TIME Hours per day: 8	Hours per week: 40

This agreement is between the above named apprentice employed by the below named employer, and

_____
PROGRAM SPONSOR

AGREEMENT: The undersigned parties mutually agree that they will use their best endeavors to secure employment and training for the apprentice. The apprentice agrees to perform satisfactorily all work and learning assignments. The provisions of the Apprenticeship Standards for the above occupation adopted by the program sponsor and approved by the Chief of the Division of Apprenticeship Standards are hereby made a part of this agreement. An official copy of the standards is on file in the headquarters of the Division of Apprenticeship Standards. This apprentice agreement will continue in effect until the training is completed or otherwise terminated in accordance with the standards.

The apprentice commences participation under these standards on the date of execution of this agreement by the Apprentice. The signatory apprentice is credited with having_____months toward completion of the term of apprenticeship. The apprentice is expected to complete training on or about_____, 20____, upon satisfactory completion of the total remaining hours of on-the-job training and hours and/or units of related and supplemental instruction.

APPRENTICE: I, the undersigned apprentice, understand and agree that there is a valid and reasonable necessity that those academic records accumulated throughout related and supplemental instruction during my period of apprenticeship be made available to the apprenticeship committee. Further, I agree to release to the apprenticeship committee any other academic records which I feel may enhance my status as an apprentice.

I, the undersigned apprentice, hereby request that the Administrator of Apprenticeship terminate any other apprenticeship agreements in which I am currently registered.

Executed this_____day of_____, 20____by _____
DAY MONTH YEAR SIGNATURE OF APPRENTICE

AGREED TO BY THE EMPLOYER

_____
SIGNATURE OF PARENT OR GUARDIAN (IF APPRENTICE IS 16 OR 17)

AGREED TO AND APPROVED BY, FOR THE COMMITTEE

_____ _____
SIGNATURE OF EMPLOYER OR ITS REPRESENTATIVE TITLE

NAME OF EMPLOYER
ADDRESS

_____ _____
SIGNATURE -- SECRETARY / CHAIR / COORDINATOR DATE

ACCEPTED BY DAS

_____ _____
SIGNATURE -- APPRENTICESHIP CONSULTANT DATE

for unilateral programs only]
This agreement is approved by _____ for the Administrator of Apprenticeship

DAS 1 (REV. 4/12)

TO THE APPRENTICE: California Civil Code Sec. 1798.17 requires State agencies which collect personal information to indicate the authority under which the data are requested. If personal information not specifically authorized by law is requested, individuals must be informed that supplying the information is voluntary. It also provides that state agencies may change or modify records at the request of the individual.

Questions C and E below are voluntary. All others are authorized by law, as indicated by the reference in each section. If the authorized questions are not answered, the apprentice agreement cannot be accepted.

The Division hopes, through collection of this data, to improve the apprenticeship program both for those presently enrolled and for future apprentices. Thank you.

CALIFORNIA APPRENTICE QUESTIONNAIRE

(USE INK OR BALLPOINT PEN)

A. Gender

☐ Male ☐ Female

(Cal. Code of Regulations, Title 8, Ch. 2, Sec. 215

B. Ethnic or Race Derivation **(Check only one)**

1 ☐ WHITE (Not of Hispanic Origin) -- A person having origins in any of the original peoples of Europe, North Africa or the Middle East.

2 ☐ BLACK (Not of Hispanic Origin) -- A person having origins in any of the Black racial groups of Africa.

ASIAN OR PACIFIC ISLANDER -- A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent or the Pacific Islands. The area includes, for example, China, Japan, Korea and Samoa.

A ☐	Asian	Asian Indian
B ☐	Asian	Bangladeshi
C ☐	Asian	Chinese
D ☐	Asian	Cambodian
6 ☐	Asian	Filipino
E ☐	Asian	Hmong
I ☐	Asian	Indonesian
J ☐	Asian	Japanese
K ☐	Asian	Korean
L ☐	Asian	Laotian
M ☐	Asian	Malaysian
P ☐	Asian	Pakistani
R ☐	Asian	Sri Lankan
T ☐	Asian	Taiwanese
U ☐	Asian	Thai
V ☐	Asian	Vietnamese
F ☐	Native Hawaiian	Fijian
G ☐	Native Hawaiian	Guamanian
H ☐	Native Hawaiian	Hawaiian
S ☐	Native Hawaiian	Samoan
W ☐	Native Hawaiian	Tongan

4 ☐ AMERICAN INDIAN OR ALASKAN NATIVE -- A person having origins in any of the original peoples of North America, and who maintains cultural identification through tribal affiliation or community recognition.

7 ☐ HISPANIC -- A person of Mexican, Puerto Rican, Cuban, South Central American or other Spanish culture or origin, regardless of race.

(Cal. Labor Code, Ch. 4, div. 3, Sec. 151)

C. Number of Dependents (Do not count yourself)

0 ☐ None
1 ☐ One
2 ☐ Two
3 ☐ Three
4 ☐ Four
5 ☐ Five
6 ☐ Six of More

(Voluntary)

D. Highest Year of Education Completed

1 ☐ 8th Grade or less
2 ☐ 9th Grade
3 ☐ 10th Grade
4 ☐ 11th Grade
5 ☐ 12th Grade (or GED Certificate)
6 ☐ 1 Year of College
7 ☐ 2 Years of College
8 ☐ 3 Years of College
9 ☐ 4 or more Years of College

(Cal. Labor Code, Ch. 4, div. 3, Sec. 3076.3)

E. Number of Years You Have Been Employed Full Time to Date (Except for Military Service)

0 ☐ None
1 ☐ Less Than 1 Year
2 ☐ 1 But Less Than 2 Years
3 ☐ 2 But Less Than 3 Years
4 ☐ 3 But Less Than 4 Years
5 ☐ 4 But Less Than 5 Years
6 ☐ 5 Years or More

(Voluntary)

F. Have You Served on Active Duty (other than reserve status) in the U. S. Armed Forces?

☐ Yes ☐ No

If yes, Please Enter:

Month and Year Entered ____

Month and Year Separated ____

Total Months served on Active Duty _____

Apprentice's Signature _____

REQUEST FOR DISPATCH OF AN APPRENTICE – DAS 142 FORM

DO NOT SEND THIS FORM TO DAS

You may use this form to request dispatch of an apprentice from the Apprenticeship Committee in the craft or trade in the area of the public work. Go to: http://www.dir.ca.gov/databases/das/pwaddrstart.asp for information about programs in your area and trade. You may also consult your local Division Apprenticeship Standards (DAS) office whose telephone number may be found in your local directory under California, State of, Industrial Relations, Division of Apprenticeship Standards. **Except for projects with less than 40 hours of journeyman work, you must request and employ apprentices in no less than 8 hour increments.**

Date:

To Applicable Apprenticeship Committee:

Name: _____

Address: _____

_____

Tel. No. _____ **Fax No.** _____

Contractor Requesting Dispatch:

Name: _____

Address: _____

_____

License No. _____

Tel. No. _____ **Fax No.** _____

Project Information:

Contract No. _____

Name **of** **the** **Project:** _____

Address: _____

Dispatch Request Information:

Number of Apprentice(s) Needed: _____ **Craft or Trade:** _____

Date Apprentice(s) to Report: _____ **(72 hrs. notice required)** **Time to Report:** _____

Name of Person to Report to: _____

Address to Report to: _____

_____

You may use this form to make your written request for the dispatch of an apprentice. Requests for dispatch must be in writing and submitted at least 72 hours in advance (excluding weekends and holidays) via first class mail, fax or email. ***Proof of submission may be required.*** *Please take note of California Code of Regulations, Title 8, § 230.1 (a) for all applicable requirements regarding apprenticeship requests and/or visit http://www.dir.ca.gov/DAS/DASApprenticesOnPublicWorksSummaryOfRequirements.htm*

DAS 142 (Revised 04/14)

City of SACRAMENTO

Documents Required During the Life of the Construction Project

1. **CAC-2- Training Fund Contribution Form:**
   a) All Contractors must submit a CAC-2 Form monthly for the prior month's hours.
   b) This form is now available to be filled out on the DIR website. The previous CAC- 2 form is to be disregarded. CAC-2 forms **must** be done electronically. The link is as follow: https://www.dir.ca.gov/das/tf/cac2.asp. You must enter all requested information in order to ensure successful submission and processing of your payment. You will need to have a working printer currently connected to your computer in order to print the complete paper form in the end of this session that you will upload in to LCPtracker.net and send with your payment when mailed. The address is as follows:

      State of California
      Department of Industrial Relations
      California Apprenticeship Council
      P.O. Box 511283
      Los Angeles, CA 90051-7838

   c) If applicable and fringes are paid directly to an approved JATC or Union Shop please state so and fill out on the Training Fund Contribution Union Contractor form that is provided and available to be downloaded on LCPtracker. Filled out forms are uploaded into LCPtracker.net under the e-Documents tab.

2. **Training Fund Contribution Letter Form:**
   a) All Contractors must submit a Training Fund Contribution Letter monthly for the prior month's hours.
   b) If applicable and fringes are paid directly to an approved Union Shop please submit the Union Status Letter stating that the Contractor is up to date with all fringe and training fund contributions for the requested month. The letter should specify the month, project name, and project number.
   c) If you can't provide a letter and the DAS has not been updated with your contribution at Contractor may provide a copy of a **cancelled** check submitted to the proper JATC or the DAS with the amount that matches that on the CAC-2. You may check the status of your contributions submitted to DAS online at: http://www.dir.ca.gov/CAC/trainingfund/Tfsearch.html. This may also be submitted in lieu of the Training Fund Contribution Letter.

3. **Certified Payroll Reports CPR's and/or Non-Performance Reports:**
   a) To be submitted by all Contractors working on the project to the City of Sacramento and the Department of Industrial Relations Electronic Certified Payroll Records site.
   b) The reports submitted to the City of Sacramento are submitted through the contracted electronic reporting program, LCPtracker.net, which can be found online at www.lcptracker.net. If you don't already have a user name and password for this website please contact your labor compliance officer with the City of Sacramento to be set up.
   c) The Electronic Certified Payroll Records for Contractors can be found at the following link: https://apps.dir.ca.gov/ecpr/DAS/AltLogin
   d) Submit CPR/NPR weekly; starting (10) calendar days after the close of your pay period. This is when you begin onsite/offsite "craft" labor. This may mean you have weeks in between work on a particular job. NPR's will need to be submitted for that timeframe.

4. **Apprenticeship Certification and/or Apprentice Agreement:**
   a) The first time an apprentice is listed on a certified payroll report an "Apprenticeship Certification" or Apprentice Agreement (DAS-1 form) must be submitted for each apprentice utilized.
   b) Please upload the Apprenticeship Certification or DAS-1 form in the e-Documents section of LCPtracker.net, add the apprentice ID and pertinent information under the employee information and notify the labor compliance officer in your department that approval is need prior to certification of payroll.

5. **Miscellaneous Documents:**
   a) Authorization for Deductions:
      i. Voluntary deductions require an Authorization for Deductions form; garnishments require a copy of notice (redact personal information). A form has been provided on LCPtracker to address other deductions that are recorded on the Certified Payroll Reports submitted.
   b) Receipt for Payment of Back Wages:
      i. For use when wage errors require supplemental wage payment (s).

FORMS REQUIRED DURING THE LIFE OF THE CONSTRUCTION PROJECT

CAC - Training Fund Contributions

You must enter all requested infomation in order to ensure successful submission and processing of your payment.
Training Fund Contributions are due on the 15th of each month.

All fields with * are required.

You must use the BUTTON on the bottom of the page to submit for an invoice coupon.

TO NAVIGATE BETWEEN FIELDS, DO NOT HIT RETURN OR ENTER KEY AFTER EACH ENTRY. USE THE TAB KEY INSTEAD.

You need to have a working printer currently connected to your computer in order to print the complete paper form in the end of this session so that you can mail it with your payment.

Training Fund Contributions Form CAC2

Date: 1/15/2014

CLEAR FORM

Contractor/Sub Contractor making contributions	Contractor	Period covered by contribution (from – to)	Jobsite Location (including County)
* Name:	* License Number:	* Period Start:	If applicable, give name of school, hospital, building, etc.
* Address:	* Contract/Project Number	* Period End: (MM/DD/YYYY)	Comments:
* City:			
* State:			
* ZIP:			

* Name of the submitting party:	* Submitter's Title:	* Submitter's Email:	*Submitter's Phone: e.g., (999) 999-9999

Instructions: You may want to use the keyboard TAB key to navigate the fields and the Up /\ | Down \/ ARROW keys to select a list item.

	* County of Work	* Classification	* Hours (max: 9,999.99)	* Rate (max: $9.99)	Amount
*1)	Select a county	Select an occupation	0	$ 0	$ 0.00
2)	Select a county	Select an occupation	0	$ 0	$ 0.00
3)	Select a county	Select an occupation	0	$ 0	$ 0.00
4)	Select a county	Select an occupation			$ 0.00

DAS CAC Training Fund Contributions

	Select a county	Select an occupation	0	$ 0	$ 0.00
5)	Select a county	Select an occupation	0	$ 0	$ 0.00
6)	Select a county	Select an occupation	0	$ 0	$ 0.00
7)	Select a county	Select an occupation	0	$ 0	$ 0.00
8)	Select a county	Select an occupation	0	$ 0	$ 0.00
9)	Select a county	Select an occupation	0	$ 0	$ 0.00
10)	Select a county	Select an occupation	0	$ 0	$ 0.00
11)	Select a county	Select an occupation	0	$ 0	$ 0.00
12)	Select a county	Select an occupation	0	$ 0	$ 0.00
13)	Select a county	Select an occupation	0	$ 0	$ 0.00
14)	Select a county	Select an occupation	0	$ 0	$ 0.00
15)	Select a county	Select an occupation	0	$ 0	$ 0.00
16)	Select a county	Select an occupation	0	$ 0	$ 0.00
17)	Select a county	Select an occupation	0	$ 0	$ 0.00
18)	Select a county	Select an occupation	0	$ 0	$ 0.00
19)	Select a county	Select an occupation	0	$ 0	$ 0.00
20)	Select a county	Select an occupation	0	$ 0	$ 0.00

TOTAL AMOUNT: $ 0.00

When done with some or all the entries above, please carefully review and then enter the code you see below:

63620

November 2013

Copyright © 2014 State of California

The electronic submission of the CAC-2 Form is to be used in place of the previous CAC-2 Form that was submitted This form can be retrieved at: https://www.dir.ca.gov/das/tf/cac2.asp. You need to have a working printer currently connected to your computer in order to print the complete paper form in the end of this session so that you can mai it with your payment. Payments are to be mailed to: State of California, Departmentof Industrial Relations, Califon Apprenticeship Council, P.O. Box 511283, Los Angeles, CA 90051-7838.

City of SACRAMENTO

Please use a separate form for each jobsite, listing the occupations for the jobsite and dollar amount paid for each classification. Once checks have been sent to the appropriate JATC please upload this form to LCPtracker under the e-Documents tab. A letter from the specific JATC or Union specifying that the required Training fund contributions and Fringe Benefits were paid will be accepted as proof of payment.

TRAINING FUND CONTRIBUTIONS

VERFICATION FORM UNION CONTRACTORS

PLEASE TYPE OR PRINT IN BLACK OR BLUE INK. ALL FIELDS MUST BE FILLED IN TO ENSURE COMPLETION OF LABOR COMPLIANCE REQUIREMENTS.

NAME AND ADDRESS OF CONTRACTOR/SUB CONTRACTOR MAKING CONTRIBUTION	CONTRACTOR'S LICENSE NUMBER
	CONTRACT OR PROJECT NUMBER
NAME AND ADDRESS OF PUBLIC AGENCY AWARDING CONTRACT	JOBSITE LOCATION (INCLUDE COUNTY) IF APPLICABLE - GIVE NAME OF SCHOOL, HOSPITAL, BUILDING, etc.
	PERIOD COVERED BY CONTRIBUTION (FROM - TO)

CLASSIFICATIONS OF WORKERS (CARPENTER, PLUMBER, ELECTRICIAN, ETC).	COUNTY WORK PERFORMED IN	ALL HOURS	CONTRIBUTION RATE PER HOUR	AMOUNT
			TOTAL	

IF APPRENTICES WERE EMPLOYED, PLEASE LIST THE APPRENTICESHIP PROGRAM AND NUMBER OF APPRENTICE HOURS WORKED	
TYPE OR PRINT YOUR NAME AND TITLE	DATE
EMAIL	AREA CODE & TELEPHONE NUMBER

City of SACRAMENTO

AUTHORIZATION FOR PAYROLL DEDUCTION

Project Name:
Project Number:
Employee Name:

1) Reason for Deduction:
Percentage/Amount of Deduction: % **OR $$** Start Date
Frequency of Deduction:
Termination Date:

2) Reason for Deduction:
Percentage/Amount of Deduction: % **OR $$** Start Date
Frequency of Deduction:
Termination Date:

3) Reason for Deduction:
Percentage/Amount of Deduction: % **OR $$** Start Date
Frequency of Deduction:
Termination Date:

4) Reason for Deduction:
Percentage/Amount of Deduction: % **OR $$** Start Date
Frequency of Deduction:
Termination Date:

5) Reason for Deduction:
Percentage/Amount of Deduction: % **OR $$** Start Date
Frequency of Deduction:
Termination Date:

6) Reason for Deduction:
Percentage/Amount of Deduction: % **OR $$** Start Date
Frequency of Deduction:
Termination Date:

Use additional copies of this form if necessary.

I authorize (Employer):
to process the deductions from my payroll as noted above.

Employee Signature:_____ Date Signed: _____

Instructions:
1) Submit into LCPtracker
2) Keep signed originals

City of SACRAMENTO

Contractors Certificate of Completion – Form 264

To be completed by the Prime Contractor at time of completion.

Project Name & Number	
Contractor Name	

I,_____(Name),_____(Title) of _____
_____(Company Name), declare under penalty of perjury that:

I know of my personal knowledge, and do hereby certify, that the work of the contract described above has been performed, and materials used and installed in every particular, in accordance with, and in conformity to, the contract drawings and specifications.

The contract work is now complete in all parts and requirements, and ready for your final inspection.

I understand that neither the determination by the Engineer-Architect that the work is complete, nor the acceptance thereof by the City, shall operate as a bar to claim against the Contractor under the terms of the guarantee provision of the contract documents.

Executed this_____day of_____20____, at_____, California.

_____ **Signature**

_____ **Title**

_____ **Date**

City of SACRAMENTO

Checklist of Documents Required for Labor Compliance on LCPtracker.net

- ✓ **PW300** - This is due within 10 days of person meeting and needs to be uploaded. If any changes are made or substitution of sub-contractors are approved a new form should be uploaded and Labor Compliance should be notified.
- ✓ **Authorization Letter for Signing Certified Payroll** - This is due prior to the submission of the first Certified Payroll Report and must be signed.
- ✓ **Checklist of Labor Law Requirements** - prime due this on or before person meeting, subs need to have this finished within 10 days of person meeting. All boxes must be checked and it must be signed.
- ✓ **Fringe Benefit Statement** - due with first CPR and must be submitted for each subcontractor as well. ALL FRINGES TO BE REPORTED WITH HOURLY AMOUNT.
- ✓ **DAS140** - due prior to commencing work on a project (one for each determination)
- ✓ **DAS142** - due 72 hours prior to the report date on a project (one for each determination)
- ✓ **CAC2** - due monthly- one for each determination [redacted] If Union Contractor please upload for with amounts paid and where money was paid to even if it is not the CAC.
- ✓ **Training Fund Contribution Confirmation Letter** – [redacted] Both CAC-2 and Training Fund Contribution Letters are to be uploaded to LCPtracker.net.
- ✓ **CPR's**- Certified payroll is due within 10 days of pay period end date

LCPtracker.net phone support is available at (714) 669-0052 Option 4; if they do not pick up please leave a message and they will get back to you. All calls are logged in with a date and time, but if you don't leave a message you will not get a phone call back. **E-mail support is available at support@lcptracker.com.** To assist those at support please include your User ID, a direct call back number, contact name and a brief description of the issue you are facing.

All forms are available under the e-Documents tab on LCPtracker. It is best practice to use the forms that have been provided to you under that e-docs tab to increase efficiency in processing pay request and remain compliant.

City of SACRAMENTO

Helpful Links and Contact Information:

- **Department Of Industrial Relations (DIR):**
  Web-Link: http://www.dir.ca.gov/
  Contact DIR: http://www.dir.ca.gov/Contactus.html

- **Division of Labor Standards Enforcement (DLSE):**
  Web-Link: http://www.dir.ca.gov/dlse/dlsepublicworks.html

- **Division of Apprenticeship Standards (DAS):**
  Web-Link: http://www.dir.ca.gov/das/das.html

- Apprentice Certification:
  Web-Link: http://www.dir.ca.gov/das/appcertpw/AppCertSearch.asp

- CAC Public Works Training Fund Contributions:
  Web-Link: http://www.dir.ca.gov/CAC/trainingfund/Tfsearch.html

- **California General Prevailing Wage Determination:**
  Web-Link: http://www.dir.ca.gov/OPRL/pwd/ (Journeymen)
  http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp (Apprentice)

- **Davis Bacon Wage Determination Rates:**
  Web-Link: http://www.wdol.gov/dba.aspx

- **Public Works Information- Frequently Asked Questions:**
  Web-Link: http://www.dir.ca.gov/das/publicworksfaq.html

- **LCPtracker.net**
  Web-link: https://lcpprod.lcptracker.net/Lcp/WebForms/Login.aspx
  Support Phone Number: 714-669-0052
  Option 4 E-mail: support@lcptracker.com

THINGS TO REMEMBER:

Labor Compliance Forms due **Prior to Work Beginning** (Prime and all Sub Tier Contractors)

1) **Authorized Letter for Signing Certified Payroll** (Original signature required)
2) **List of Trades and/or Crafts**
3) **PW-300- List of all sub-contractors and suppliers.** (This **must be** updated if changes occur and **all contractors** listed must have a **DIR registration number** prior to commencing work on the project.
4) **Checklist of Labor Law Requirements-** (All boxes checked and signed)
5) **Public Works Contract Award Information (DAS 140)** (With verified proof of service)
6) **Request for Dispatch of an Apprentice (DAS 142)** (With verified proof of service)
7) **Fringe Benefit Statement Form-**(For Each Determination)
   (Due before first Certified Payroll and then only when a change occurs)
8) **Authorization for Payroll Deduction** (Original signature required)
   (Deductions other than standard deductions must be authorized by the employee)

Labor Compliance Forms Due Weekly:

- **Certified Payroll Form** (LCP Tracker Electronic Payroll and upload of payroll to DIR website)
- **Statement of Compliance** (LCP Tracker Electronic Payroll)
- **Statement of Non-Performance** (Due when work is not performed once on job- site)

✓ Work over 8 hours in a day or 40 hours in a week must be paid at the overtime rate. Refer to wage determination that is provided by the DIR for the applicable rate.
✓ Certified payroll records must be numbered **consecutively**, starting with the first week work is physically performed on site
✓ Last certified payroll must be marked **"FINAL".**

Training Fund Contribution forms are due **monthly** beginning immediately after work has been performed on site.

◆ **Single Asterisk (*):**
Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Division of Labor Statistics and Research for specific rates at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

◆ **Double Asterisks (**):**
The rate to be paid for work performed after this date has been determined. If work will extend past this date the new rate must be paid and should be incorporated in contracts entered into now. Contact the Division of Labor Statistics and Research for specific rates at (415) 703- 4774.

◆ **Employee Interviews on job site:**
Interviews are done to obtain information to verify correct wages are being recorded on the certified payrolls for the given craft/classification and to ensure contract compliance.