



**CITY OF NOVATO  
CALIFORNIA**

**2019 Novato Annual Pavement Rehabilitation Project  
Novato Blvd, Redwood Blvd, Wilson Avenue**

**CIP Project No. 19-001; Federal Aid # STPL-5361 (030)**

**PROJECT SPECIFICATIONS, NOTICE TO BIDDERS,  
BID BOOK**

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**Available at no charge on the City of Novato Website  
<http://www.novato.org>  
Public Works Engineering  
(415) 899-8994**

**Time for Completion – 30 Working Days**

**Submit bids to the Central Administration Counter  
922 Machin Avenue, Novato CA 94945  
on or before  
2:00 p.m., June 17, 2020**

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**Contractor shall possess the following licenses:**

**Class A, or a combination of C-8, C-12, and C-32**

**to constitute a majority of the work**

**PREPARED BY THE CITY OF NOVATO  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION  
UNDER THE DIRECTION OF**

**Christopher Blunk, City Engineer  
RCE #76105**



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# IMPORTANT SPECIAL NOTICE

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This project is federally funded and therefore has special Federal Aid Contract Requirements. Your attention is directed to Section 00 73 73 of the Project Specifications for requirements. In addition, special forms are required with the bid and provided in Section 00 73 00 Supplementary Conditions.

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# NOTICE TO CONTRACTORS

## 2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT NOVATO BLVD, REDWOOD BLVD, WILSON AVE

### CIP Project No. 19-001; Federal Aid # STPL-5361 (030) CITY OF NOVATO DEPARTMENT OF PUBLIC WORKS MARIN COUNTY, CALIFORNIA

Sealed proposals will be received by the Designated Agent at 922 Machin Avenue, 1<sup>st</sup> Floor, Novato, until 2 p.m., Tuesday, **June 17, 2020**, for the 2019 Novato Annual Pavement Rehabilitation Project, Novato Blvd, Redwood Blvd, Wilson Ave, CIP Project No. 19-001; Federal Aid # STPL-5361 (030) at which time they will be publicly opened and read aloud. However, should the social distancing measures required to slow the spread of COVID-19 still apply, the opening of proposals will be done via Zoom; <https://zoom.us/>. The sealed proposals shall be delivered to the **Central Administration Counter**, located on the 1<sup>st</sup> Floor at 922 Machin Avenue.

Project plans and specifications, including Notice to Contractors, Special Provisions, and proposal forms, are available from the City of Novato Website, <http://www.novato.org>, (click on the “Business” tab near the top of the page and select “Doing Business with the City” in the drop-down menu). Paper copies of project documents will not be issued by the City.

The work to be done includes, but is not limited to: *rehabilitation of the pavement on Novato Blvd from San Marin Drive to westerly city limits, Redwood Blvd from Rush Creek Place to San Marin Drive and from San Marin Drive to Wood Hollow Drive, Wilson Avenue between Center Road and southerly city limits. The improvements will include construction of ADA compliant access ramps, removal and replacement of damaged concrete curb, gutter and sidewalk, pavement repairs consisting of asphalt concrete dig-out and patches, grinding of the existing pavement, placement of reinforcing fabric, hot mix asphalt overlay, replacement of pavement striping and markings, installation of new traffic signs, installation of a new crosswalk on Novato Boulevard which will include a median pedestrian refuge area, bulb-outs, and a rectangular rapid flashing beacon (RRFB) lighted crosswalk sign system, widening and rehabilitation of the existing asphalt path along the north side of Novato Boulevard to meet Class I Multi-Use Path and accessibility standards, and other items or details not mentioned above that are required by the plans, standard specifications, or these special provisions to be performed, placed, constructed, or installed.*

Bidders are advised that, as required by federal law, the City of Novato is implementing Disadvantaged Business Enterprise requirements for this project.

The **DBE** Contract goal is **9%** percent.

**THIS PROJECT IS SUBJECT TO THE “BUY AMERICA” PROVISIONS OF THE SURFACE TRANSPORTATION ASSISTANCE ACT OF 1982 AS AMENDED BY THE INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991.**

Bids are required for the entire work described herein.

The contractor shall possess either a Class A license or a combination of Class C-8, C-12, and C-32 licenses at the time this contract is awarded.

This contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.

The City of Novato hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement; small business and disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation.

Contractors are encouraged to contact small businesses and disadvantaged business enterprises for subcontract work that they might otherwise perform with their own forces.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages set forth in the General Prevailing Wage Rates for this project are available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov>. Addenda to modify wage rates, if necessary, will be issued to holders of the Bid Documents. Future effective general prevailing wage rates which have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the general prevailing wage rates.

Attention is directed to the Federal minimum wage rate requirements attached to these Special Provisions. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate which most closely approximates the duties of the employees in question.

The contractor shall be registered with the Department of Industrial Relations (DIR) pursuant to 1725.5 of the Labor Code to 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 public work contract that is subject to the requirements of this chapter. For the purposes of this section, "contractor" includes a subcontractor as defined by Section 1722.1.

Pursuant to the provisions in Section 1771.1 of the Labor Code a contractor or subcontractor shall not be qualified to engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time

the contract is awarded.

The City reserves the right to reject any and all bids, to waive any informality in a bid, and to make award as the interests of the City may require. This notice is given by order of the City Council of the City of Novato, California.

No bid will be received unless it is made on proposal forms furnished by the City Engineer. Each proposal must be accompanied by a certified or cashier's check or bid bond in the amount of ten percent (10%) of the estimated aggregate amount of the bid as a guarantee that the bidder, if the award is made to him/her in accordance with the terms of his/her proposal, will promptly execute a contract in the required form, secure payment of worker's compensation insurance, and furnish a satisfactory, faithful performance bond and a labor and material bond. Each of said bonds shall be in the sum of not less than one hundred percent (100%) of the estimated aggregate amount of the payments to be made under the contract computed on the basis of the price stated in the proposal.

In addition to the above, and if requested by the City, the bidder shall furnish a financial statement of recent date. Failure to comply with this requirement will render a bid informal and shall be sufficient cause for rejection. The contract agreement will not be signed by the City Manager until the Contractor provides a copy of a current City of Novato business license.

For any additional information or technical questions please contact Gosia Woodfin, Project Engineer, at (415) 899-8997 or [gwoodfin@novato.org](mailto:gwoodfin@novato.org).

The U.S. Department of Transportation (DOT) provides a toll-free "hotline" service to report bid rigging activities. Bid rigging activities can be reported Mondays through Fridays, between 8:00 a.m. and 5:00 p.m. eastern time, telephone no. 1-800-424-9071. A complaint can also be filed online at the DOT's Office of Inspector General website: <https://www.oig.dot.gov/hotline>. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report these activities. The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

**SECTION 00 21 10**  
**STATE STANDARD SPECIFICATIONS AND PLANS**

The work embraced herein shall be done in accordance with the State Standard Specifications, dated 2018; State Standard Plans, dated 2018; General Prevailing Wage Rates and Labor Surcharge and Equipment Rental Rates of the Department of Transportation at time contract is awarded; and the Uniform Construction Standards of Cities and County of Marin (July 2018), City of Novato Design and Construction Standards (dated September 9, 2014 available online at <http://www.novato.org>), insofar as the same may apply and in accordance with the following Project Specifications.

In case of conflict between the Standard Specifications and these Project Specifications, these Project Specifications shall take precedence over, and shall be used in lieu of, such conflicting portions.

Amendments to the Standard Specifications set forth in these Project Specifications shall be considered as part of the Standard specifications for the purposes set forth in Section 5-1.04, "Coordination and Interpretation of Plans, Standard Specifications and Special Provisions," of the Standard Specifications. Whenever either the term "Standard Specifications is amended" or the term "Standard Specifications are amended " is used in the Project Specifications, the indented text or table following the term shall be considered an amendment to the Standard Specifications. In case of conflict between such amendments and the Standard Specifications, the amendments shall take precedence over and be used in lieu of the conflicting portions.

DEFINITIONS AND TERMS

As used herein, unless the context otherwise requires, the following terms have the following meaning:

Department of Transportation, Director of Transportation: The City Council of the City of Novato, State of California, acting either directly or through the City Manager, City Manager acting within the scope of the particular duties entrusted to the City Manager.

Engineer: The City Engineer of the City of Novato, State of California, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

Laboratory: The established laboratory of the Materials and Research Department of the Department of Transportation of the State of California or laboratories authorized by the Engineer to test materials and work involved in the contract.

Purchasing Agent: The Purchasing Agent of the City of Novato, State of California, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

State: The City of Novato.

Transportation Building, Sacramento: City of Novato Administrative Offices, City of Novato, State of California.

State Highway Engineer: The City Engineer of the City of Novato, State of California.

Standard Specifications: The 2018 edition of the Standard Specifications of the State of California, Department of Transportation. Any reference therein to the State of California or a State Agency, office, or officer shall be interpreted to refer to the City or its corresponding agency, office, or officer acting under this contract.

**SECTION 00 21 13  
PROPOSAL REQUIREMENTS AND CONDITIONS**

1.1 General.

The bidder's attention is directed to the provisions in Section 2, "Bidding" of the Standard Specifications and these Project Specifications for the requirements and conditions which he must observe in the preparation of the proposal form and the submission of the bid.

1.2 Proposal Forms.

In Section 2-1.06 BID DOCUMENTS, Section 2-1.06A General and 2-1.06B Supplemental Information," of the Standard Specifications are deleted in their entirety. Refer to Section 00 40 00 for the required proposal forms.

1.3 Proposal Guaranty.

Section 2-1.34, BIDDER'S SECURITY of the Standard Specifications is amended to read:

*All bids shall be presented under sealed cover and accompanied by one of the following forms of bidder's security: cash, a cashier's check, a certified check, or a bidder's bond executed by an admitted surety insurer, made payable to the "City of Novato."*

*The security shall be in an amount equal to at least 10% of the amount bid. A bid will not be considered unless one of the forms of bidder's security is enclosed with it.*

1.4 Withdrawal of Proposals.

Per Section 2-1.40 BID WITHDRAWAL of the Standard Specifications.

1.5 Rejection of Bids.

Per Section 2-1.46 DEPARTMENT'S DECISION ON BID of the Standard Specifications.

1.6 Required Listing of Proposed Subcontractors

Section 2-1.10 "Subcontractor List" of the Standard Specifications is deleted in its entirety and replaced with:

*Each proposal shall have listed therein the name, location of the place of business, and the California contractor license of each subcontractor to whom the bidder proposes to subcontract portions of the work in an amount in excess of one-half percent of the total bid or \$10,000, whichever is greater, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code. The bidder's attention is invited to other provisions of the Act related to the imposition of penalties for a failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.*

*A sheet for listing the subcontractors, as required herein, is included in Section 00 43 36.*

1.7 Department of Industrial Relations Compliance.

The contractor shall be registered with the Department of Industrial Relations (DIR) pursuant to 1725.5 of the Labor Code to 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 this public work contract. For the purposes of this section, “contractor” includes a subcontractor as defined by Section 1722.1.

Pursuant to the provisions in Section 1771.1 of the Labor Code a contractor or subcontractor shall not be qualified to engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

**SECTION 00 31 19**  
**SITE MAP**



## Vicinity Map

2019 Annual Pavement Rehabilitation CIP Project #19-001

**SECTION 00 31 43**  
**Permits (other agencies)**

Prior to start of work within the Marin County's right-of-way or work affecting County of Marin facilities, the contractor will be required to contact DPW Roads 48 hours prior to starting work at the beginning of the job, before resuming work after temporary shutdown, before any new stage of work, and for final inspection.

An Encroachment Permit No 20-003 for this project was issued to the City of Novato and is attached in the appendix.

Full compensation for conforming to the requirements in this permit shall be considered as included in the contract prices paid for the various items or work and no additional compensation will be allowed therefore.

County of Marin  
OFFICE OF ROAD COMMISSIONER  
**ENCROACHMENT PERMIT**

TO: Gosia Woodfin/City of Novato Public Works  
922 Machin Avenue  
Novato, CA 94945

Issue Date January 22, 2020

In compliance with your request of January 8, 2020, and subject to all the terms, conditions and restriction written or printed as General Provisions and Special Conditions on any part of this form and referenced attachments, **PERMISSION IS HEREBY GRANTED TO:**

City of Novato Public Works to perform traffic control associated with 2020 paving project.

At: Wilson Avenue South of Mill Road & Novato Blvd West of Copper Hill Way, Novato

All work shall be done in accordance with attached condition(s): (General Provisions, Approved Traffic Control Plan)

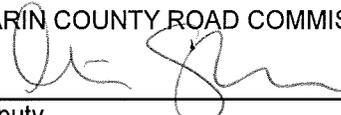
1. During working hours one traffic lane, under adequate flagger control, shall be maintained in all directions. At all other times all traffic lanes shall be kept open. All traffic control shall be per the Manual on Uniform Traffic Control Devices (MUTCD) standards. Flaggers shall operate per California Department of Industrial Relations Title B, Section 8, Subchapter 4, Article 11-1599.
2. Material shall not be placed within nine feet of the center of the pavement, or left in the right-of-way overnight. Leave no open trenches after working hours. The use of "cut-back" asphalt will not be permitted as temporary trench paving. It is required to utilize trench plates or hot mix AC. Trench plates shall have nonskid abrasive surface per 2015 Caltrans Standard Specifications 75-3.01D(2)(C), 75-3.02F, 75-3.03F.
3. Per MCC 24.04.016, if construction activity, equipment, vehicles and/or material delivery and storage cause damage to any existing facility (e.g., pavement, curb, gutter, sidewalk, landscaping) beyond normal wear and tear, as determined by the agency, then the permittee shall be responsible for the repair of same to pre-existing or better conditions, as determined by DPW. In order to ensure repair, the agency may require cash deposits prior to issuance of permits or may place holds on interim or final inspections.
4. Contact DPW Roads at Jburger@marincounty.org and rebert@marincounty.org 48 hours (2 business days) prior to starting work at the beginning of the job, before resuming work after temporary shutdown, before any new stage of work, and for final inspection.

This permit shall be considered void unless the work herein contemplated shall have been completed before December 1, 2020.

A.P.# ROW

B.P.# \_\_\_\_\_

RAUL M. ROJAS  
MARIN COUNTY ROAD COMMISSIONER

  
Deputy

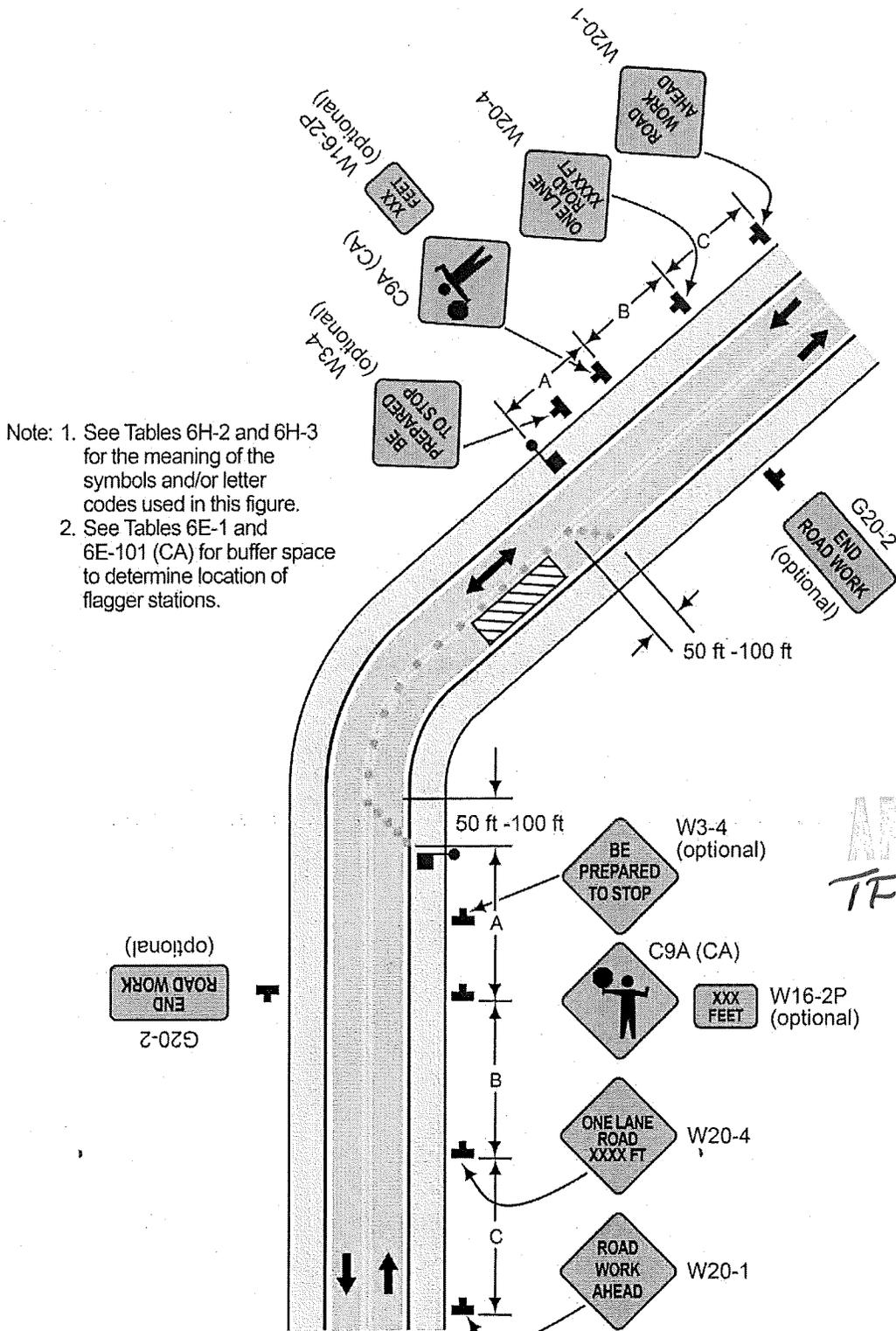
County of Marin  
Department of Public Works  
OFFICE OF THE ROAD COMMISSIONER

**ENCROACHMENT PERMIT - GENERAL PROVISIONS**

1. **PERMIT TO BE KEPT AT WORK SITE.** This permit shall be kept at the site of the work and must be shown to any representative of the Public Works Department (DPW) or any law enforcement officer on demand.
2. **DEFINITION.** This permit is issued under Code Section 13.12 of the County of Marin. The term encroachment is used in this permit as defined in Section 660, Sub. B of the Streets & Highways Code of the State of California. This permit does not authorize, and it shall not be construed as authorizing, any infringement upon the highway referred to herein or as affecting property rights of others thereto.
3. **ACCEPTANCE OF PROVISIONS.** It is understood and agreed by the permittee that the performance of any work under this permit shall constitute an acceptance of the provisions.
4. **NO PRECEDENT ESTABLISHED.** This permit is granted with the understanding that this action is not to be considered as establishing any precedent on the question of the expediency of permitting any certain kind of encroachment to be erected within the right-of-way of County roads.
5. **PERMITS FROM OTHER AGENCIES.** The party or parties to whom this permit is issued shall, whenever required by law, secure the written order or consent to any work hereunder from the State of California Public Utilities Commission or any other public board having jurisdiction. This permit shall be suspended in operation unless and until such order or consent is obtained.
6. **STREET LIGHTS AND TRAFFIC SIGNALS.** Where excavations are performed in the vicinity of street light or traffic signal services the Applicant shall, as necessary, perform initial exploratory excavations to determine the exact depth and location of conduits and electrical connections. Extreme care shall be exercised to avoid damage. Applicant shall be entirely responsible for the exploratory excavations and any damage to street lights and traffic signals including associated conduits and pull boxes attributable to the work, and all such damaged items shall be repaired when directed and as required to place them in as good a condition as existed before commencement of the work. Location of underground street light and traffic signal conduits can be performed for a fee from the Applicant by the County street light and traffic signal maintenance contractor - DC Electric at (866) 523-8386. Using this location service does not relieve the applicant should any damage occur.
7. **SUPERVISION OF AGENCY.** All work shall be done subject to the supervision of and to the satisfaction of DPW.
8. **NOTICE PRIOR TO STARTING WORK.** Before starting work, on which an inspector is required or whenever stated on the face of this permit, the permittee shall notify DPW. Such notice shall be given at least 48 hours (two business days) in advance of the date work is to begin.
9. **WORK HOURS:** Shall be limited to 8:00 a.m. to 5:00 p.m., weekdays only, excluding County of Marin holidays. Exceptions to this requirement shall be only upon written consent of the Marin County Public Works Department (DPW). Work hours shall be further restricted if work causes a traffic delay greater than 3 minutes. Attached special conditions shall be given precedent should it modify work hours.
10. **STANDARDS OF CONSTRUCTION.** All work shall conform to recognized standards of construction. Permittee shall comply with all "Uniform Construction Standards" drawings adopted July 2018 (dated March 2018), "Standard Specifications Cities & County of Marin adopted June 1992, and 2015 Caltrans Standards Specifications. Copies of referenced documents can be found at <https://www.marincounty.org/depts/pw/divisions/projects/land-use/resources> and <https://dot.ca.gov/SearchResults?q=2015+Standard+Specifications>
11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g. relocation, alteration, removal, etc.)
12. **CARE OF DRAINAGE.** If the work herein contemplated shall interfere with the established drainage, ample provision shall be made by the permittee to provide for it as may be directed by DPW.
13. **PROTECTION OF TRAFFIC.** Adequate provision shall be made for the protection of the traveling public. Wherever necessary, barricades shall be placed with red lights or flares at night, flag persons employed, and any other necessary measures as may be required by the particular work in progress. The accessible pedestrian path of travel and related accessibility features must be maintained at all times, or an alternate accessible temporary pedestrian path of travel must be provided around work zones. Accessible features must also be maintained during road closures.
14. **MINIMUM INTERFERENCE WITH TRAFFIC.** All work shall be planned and carried out so that there will be the least possible inconvenience to the traveling public. All traffic controls shall be in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) standards. Traffic delays shall not exceed 3 minutes. At a minimum, one traffic lane under adequate flagger control shall be maintained during working hours. If construction operations create significant traffic congestion as determined by DPW, the hours of operation or traffic control requirements may be modified by DPW.
15. **STORAGE OF MATERIAL.** No material shall be stored within eight (8) feet of the edge of pavement or traveled way or within the shoulder line where the shoulders are wider than eight (8) feet. Any storage of equipment or machinery within the public road right of way will require prior consent of DPW.

16. **DAMAGE TO RIGHT-OF-WAY IMPROVEMENTS.** Any damage to the existing roadway, structures or survey monuments due to construction operations under this permit shall be restored to original condition by the permittee. Shoulder areas shall be redressed, drainage ditches shall be restored to original grades, and all dirt and debris resulting from permittee's operations shall be removed from the construction area. Any trees damaged as a result of construction operations shall be removed or restorative measures taken at permittee's expense as directed by DPW.
17. **SURVEY MONUMENTS.** The permittee shall take all measures necessary to identify, mark and preserve survey monuments pursuant to the signed and sealed Acknowledgement of Monument Responsibility "Pre-Construction" form submitted to DPW by the Applicant, and Section 8771(a-f) of the California Business and Professions Code (CBPC). Monuments that could or will be disturbed shall have reference points set by a licensed land surveyor prior to construction as outlined in the signed acknowledgement form and the CBPC. In the event that a monument is disturbed, damaged, or removed permittee shall immediately notify DPW. Permittee shall have a licensed land surveyor perform any necessary monument replacement also as outlined in the acknowledgment form and the CBPC.
18. **MAINTENANCE.** The permittee or his assignee of interest agrees by the acceptance of this permit to exercise reasonable care to maintain properly any encroachment placed by it in the highway and to exercise reasonable care in inspecting for and immediately repairing and making good any injury to any portion of the highway which occurs as a result of the maintenance of the encroachment in the highway or as a result of the work done under this permit, including any and all injuries to the highway which would not have occurred had such work not been done or such encroachment not placed therein.
19. **LIABILITIES FOR DAMAGES.** The permittee is responsible for all liability imposed by law for personal injury or property damage which may arise out of work herein permitted, or which may arise out of failure on the permittee's part to perform his obligations under this permit in respect to maintenance. In the event any such liability is made against the County of Marin or any department, officer or employee thereof, permittee shall defend, indemnify and hold them and each of them harmless from such claim. Nothing herein is intended to impose on permittee any different or higher standard of care than that required by law. This permit shall not be effective for any purpose unless and until the above-named permittee files with DPW a safety bond in the form and amount required by said department if stated on the face hereof. The requirement that a bond be filed does not apply in the event the permittee is a governmental board, which derives its revenue by taxation, or any public agency or public utility having lawful authority to occupy the highway.
20. **MAKING REPAIRS.** If DPW shall so select, repairs to paving or other improvements or facilities, which have been disturbed, shall be made by employees of DPW and the expenses therefore shall be borne by the permittee. All payment to laborers, inspectors, etc., employed by DPW for or on account of the work herein contemplated shall be made by said permittee forthwith on receipt of written orders, payrolls or vouchers approved by DPW. Alternatively, DPW may elect to require a deposit before starting repairs in an amount sufficient to cover the estimated cost thereof. DPW will give reasonable notice of its election to make such repairs. If DPW do so elect, the permittee shall make such repairs promptly. In every case the permittee shall be responsible for restoring any portion of the highway which has been excavated or otherwise disturbed to its former condition as nearly as may be possible except where DPW elects to make repairs to paving as above provided in this paragraph and except where provisions to the contrary are made elsewhere in the permit.
21. **INTEGRATED PEST MANAGEMENT:** The contractor shall be required to strictly adhere to the guidelines established in the County of Marin's Integrated Pest Management (IPM) Ordinance 3521 and Policy, approved by the Board of Supervisors on July 21, 2009. Additional information regarding IPM policy, ordinance 3521, program, resources and requirements is available at the following website. <http://www.co.marin.ca.us/depts/AG/Main/IPM/ipmprogramhome.cfm> and Marin County Code Section 23.19. The contractor and applicant shall note that all pesticide applications, regardless of material used, must be approved by the IPM Coordinator prior to use at any facility covered by the contract. Material for weed eradication and pest control shall be only those listed in the County of Marin's approved list and categories III and IV herbicides, non-corrosive, non-staining, and shall not leave a flammable residue. Pesticides shall be EPA and California Department of Agriculture approved and used in strict accordance with manufacturer's label, recommendations, Federal, State, and local laws. Chemical application must use least toxic methods and be used as the last resort and only with written approval. Failure to comply with the Marin County IPM Ordinance & Policy may result in penalties as described in the ordinance.
22. **FUTURE MOVING ON INSTALLATION.** It is understood by the permittee that whenever construction, reconstruction or maintenance work on the highway may require, the installation provided for herein shall, upon request of DPW, be removed within a reasonable period of time as approved by DPW and at the sole expense of the permittee.
23. **CLEAN UP OF RIGHT-OF-WAY.** Upon completion of work, all brush, timber, scraps and other leftover construction materials and refuse shall be entirely removed and the right-of-way restored to a condition at least as presentable as that existing prior to the start of work.
24. **SUBMIT LOCATION PLAN.** Upon completion of underground or surface work of consequence, the permittee shall furnish an as-built plan if requested by DPW.

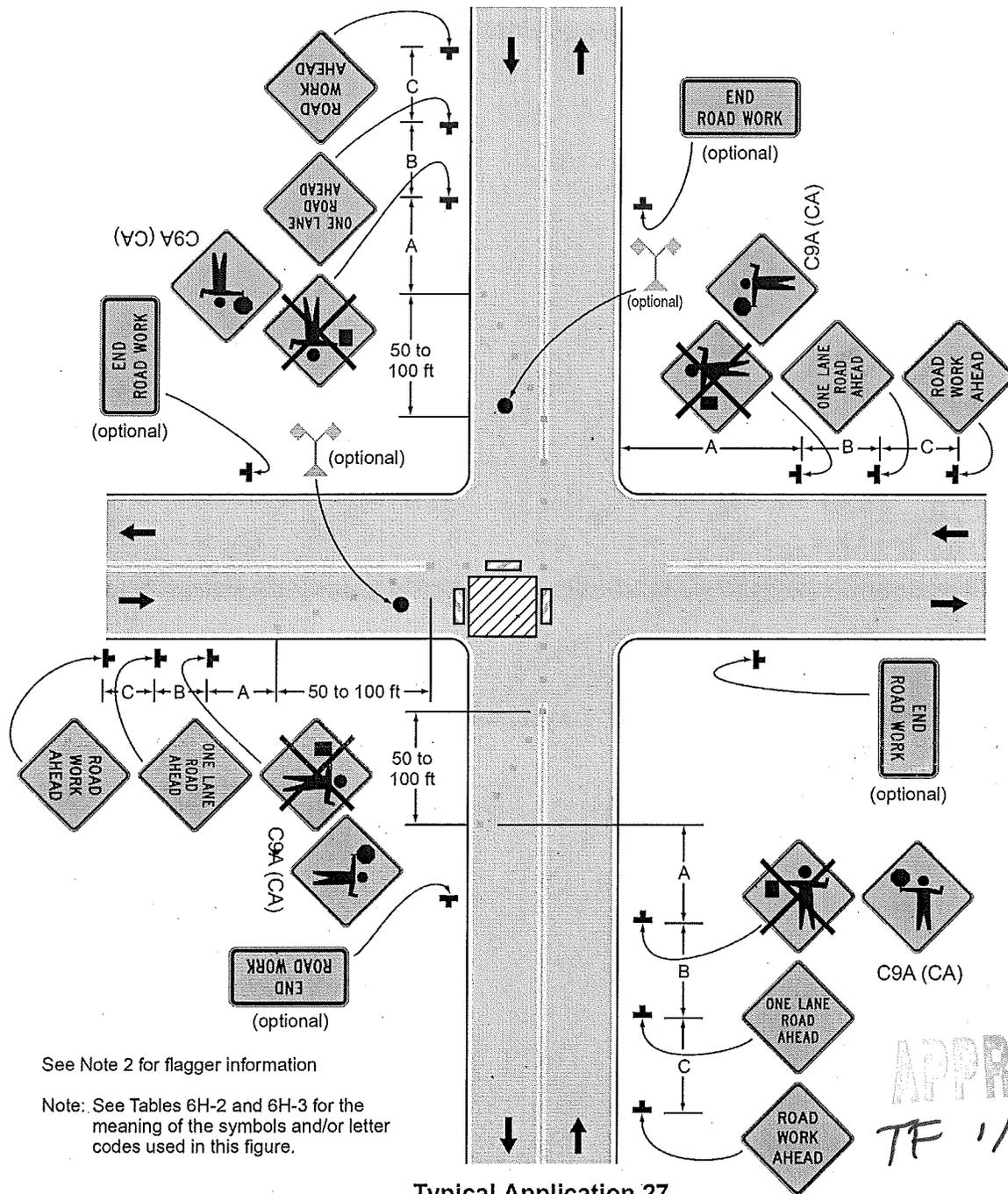
Figure 6H-10 (CA) Lane Closure on Two-Lane Road Using Flaggers (TA-10)



APPROVED  
 TF 1/22/20

Typical Application 10

Figure 6H-27. Closure at the Side of an Intersection (TA-27)



Typical Application 27



Vicinity Map  
 2019 Annual Pavement Rehabilitation CIP Project #19-001  
 CANDIDATE STREETS



Local Agency: City of Novato

Project Name: 2019 Novato Annual Pavement Rehabilitation

CIP Project Number: 19-001

Federal Aid Project No. STPL-5361(030)

### Project Description

The City of Novato proposes to construct street rehabilitation work along four street sections in the City of Novato in Marin County. Work will be conducted at the following locations:

- Redwood Boulevard from Rush Creek Place to San Marin Drive
- Redwood Boulevard from San Marin Drive to Wood Hollow Drive
- Novato Boulevard from San Marin Drive to city limits
- Wilson Avenue from Center Road to city limits.

Projects will consist of comprehensive pavement rehabilitation of the existing roadway: 0.15'-0.25' grind and pave, and scrub-seal & micro-surfacing at some locations. Where needed, localized base repairs will be made by excavating up to 12" into the existing roadway material and replacing with asphalt. Utility manhole covers and water valve covers will be adjusted to grade.

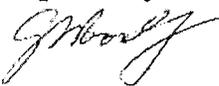
Work will also include removal and replacement of the existing pavement striping and markings as well as relocation of existing and/or installation of new signs as necessary. These improvements will be in conformance with the latest CA MUTCD.

Where sidewalk exists along resurfaced streets ADA compliant curb ramps will be installed/upgraded per federal mandates. The ramps will be installed per Caltrans 2018 Standard Plan A88A and A88B. Should new curb ramp location conflict with existing storm drain inlet, the inlet will be relocated; excavation required for this work should not exceed 4' in depth.

Sidewalk repairs where accessibility standards are compromised along resurfaced streets will also be included in this project. To complete this work tree trimming or tree removal might be necessary. At all locations where a tree is removed a replacement tree will be planted. The replacement tree location and specie will be in conformance with the City's adopted "Approved Street Tree List" and will be coordinated with the homeowner with input from the City Maintenance personnel.

City is also proposing to widen and rehabilitate existing asphalt path to meet Class I Multi-Use Path standards along the north side of Novato Blvd between San Marin Drive and Dwarf Oak Trail. The work will consist of widening of the path by approximately 2', asphalt overlay and structural section repairs as needed. This portion of the construction work will be funded by a local grant and shown on the bid schedule as non-participating in STPL-grant items.

### Prepared By:



Gosia Woodfin  
Project Engineer

- City of Belvedere
- City of Larkspur
- City of Mill Valley
- City of Novato
- City of San Rafael \*
- City of Sausalito

- Town of Ross
- Town of Fairfax
- Town of Corte Madera
- Town of San Anselmo
- Town of Tiburon
- County of Marin

RECEIVED

EP No: 20-003  
A / B

JAN 08 2020

Marin County  
Department of Public Works

## UNIFIED APPLICATION FOR ENCROACHMENT PERMIT

APPLICATION DATE: 01/07/2019 APN: \_\_\_\_\_

LOCATION OF WORK OR ENCROACHMENT: Wilson Avenue south of Mill Road & Novato Blvd west of Copper Hill Way

CROSS STREET: Mill Rd & Copper Hill Way ESTIMATED COST: \$ 50,000

STARTING DATE: 07/01/2020 COMPLETION DATE: 11/01/2020

PROPERTY OWNER'S NAME AND ADDRESS (If Different from Applicant): \_\_\_\_\_

**THE UNDERSIGNED HEREBY APPLIES FOR PERMISSION TO PERFORM THE FOLLOWING DESCRIBED WORK AND/OR OTHERWISE ENCROACH ON A LOCAL AGENCY RIGHT-OF-WAY (ROW):**

### DESCRIPTION OF WORK OR ENCROACHMENT (Include plans or sketch):

Check all that apply to the project and provide a written description:

- |  |  |  |  |
|--|--|--|--|
| <input type="checkbox"/> Driveway Approach | <input type="checkbox"/> Sidewalk      | <input type="checkbox"/> Accessible Ramp | <input type="checkbox"/> Debris Box                  |
| <input type="checkbox"/> Curb & Gutter     | <input type="checkbox"/> Water Service | <input type="checkbox"/> New Utilities   | <input type="checkbox"/> Special Event               |
| <input type="checkbox"/> Sewer Improvement | <input type="checkbox"/> Excavation    | <input type="checkbox"/> Landscaping     | <input checked="" type="checkbox"/> Other (Describe) |

**Describe:** Subject of this request are temporary traffic control signs needed to be placed on Wilson Ave. south of Mill Rd and on Novato Blvd west of Copper Hill Way during the upcoming 2019 Novato Annual Paving project. Wilson Ave. from Center Rd to southern city limits and Novato Blvd from San Marin Dr to western city limits are included in this project which is scheduled for construction Summer/ Fall 2020. Attached are Project Description and Vicinity Map.

Road Surface Type:  Asphalt  Concrete  Other: \_\_\_\_\_

Trenching Work:  Yes  No Linear Feet: \_\_\_\_\_ Surface Thickness: \_\_\_\_\_

Traffic Control Plan:  Yes  No

**Applicant agrees that all work will be performed in accordance with the rules, regulations and standards of the Local Agency Department of Public Works and any Local Municipal Code. All work shall be subject to inspection and approval by the Department of Public Works. Applicant shall indemnify, defend and hold the Local Agency, its officers, agents and employees harmless from any and all claims, suits or liability, including, but not limited to, litigation costs and attorney's fees which the Local Agency may incur as the result of any and all claims and suits for personal injury, property damage or inverse condemnation by reason of applicants placement of/or maintenance of encroachments authorized by this permit. No work shall commence until permit is issued.**

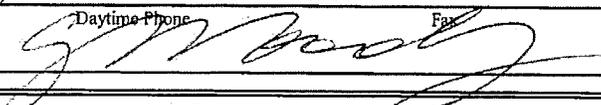
APPLICANT'S NAME / COMPANY (PLEASE PRINT): Gosia Woodfin / City of Novato Public Works

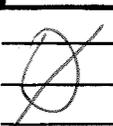
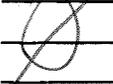
CONTRACTOR'S NAME: TBD Contractor License No: TBD

APPLICANT'S MAILING ADDRESS: 922 Machin Avenue, Novato, CA 94945

AGENCY: City of Novato

CONTACT NUMBERS: (415) 899-8997 N/A gwoodfin@novato.org

APPLICANT'S SIGNATURE: 

Accepted By: <u>TE</u>		For Agency Use Only		Fees:	
Insurance on file?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Final Insp. Cleared:	<input type="checkbox"/>	Application:	<u></u>
Road Moratorium?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Receipt #:	_____	Plan Review & Inspection:	<u></u>
				Total:	_____

\* Contact City of San Rafael Public Works for Specific Encroachment Permit Application

# Proposal to the City of Novato

## 2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT NOVATO BLVD, REDWOOD BLVD, WILSON AVENUE CIP Project No. 19-001; Federal Aid # STPL-5361 (030)

Name of Bidder: \_\_\_\_\_

Business P.O. Box: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Business Street Address: \_\_\_\_\_

(Please include even if P. O. Box is used.)

City, State, Zip: \_\_\_\_\_

Telephone No.: Area Code ( ) \_\_\_\_\_

Fax No.: Area Code ( ) \_\_\_\_\_

The bidder currently holds a valid Contractor's License or license issued by the Contractor's License Board under the provisions of Chapter 9 of Division 3 of the Business and Professions Code of the State of California.

The license(s) is (are) of the following Class(es): \_\_\_\_\_

The license(s) number(s) and expiration date(s) are as follows: \_\_\_\_\_

The Contractor's License number(s) and expiration date(s) stated herein are made under penalty of perjury.

The work for which this proposal is submitted is for construction in accordance with the Project Specifications and the project plans described below, including any addenda thereto, the contract annexed hereto, and also in accordance with the Department of Transportation Standard Plans, dated 2018, the Standard Specifications dated 2018, the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished, and the General Prevailing Wage Rates attached to these Project Specifications.

The Project Specifications for the work to be done are entitled:

## 2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT NOVATO BLVD, REDWOOD BLVD, WILSON AVENUE CIP Project No. 19-001; Federal Aid # STPL-5361 (030)

The Project Plans for the work to be done are entitled:

**2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT  
NOVATO BLVD, REDWOOD BLVD, WILSON AVENUE  
CIP Project No. 19-001; Federal Aid # STPL-5361 (030)**

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for that purpose. In the case of unit basis items, the amount set forth under the Item Total column shall be the product of the unit price bid and the estimated quantity for the item.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail except as provided in a. or b. as follows:

- a. If the amount set forth as a unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount as the entry in the item total column, then the amount set forth in the item total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;
- b. (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one-hundredth, etc., from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentagewise the unit price or item total in the Department's Final Estimate of Cost.

If both the unit price and the item total are unreadable or otherwise unclear, or are omitted, the bid may be deemed irregular. Likewise if the item total for a lump sum item unreadable or otherwise unclear, or is omitted, the bid may be deemed irregular unless the project being bid has only a single item and a clear, readable total bid is provided.

Symbols such as commas and dollar signs will be ignored and have no mathematical significance in establishing any unit price or item total or lump sums. Written unit price, item totals and lump sums will be interpreted according to the number of digits and, if applicable, decimal placement. Cents symbols also have no significance in establishing any unit price or item total since all figures are assumed to be expressed in dollars and/or decimal fractions of a dollar. Bids on lump sum items shall be item totals only; if any unit price for a lump sum item is included in a bid and it differs from the item total, the items total shall prevail.

The foregoing provisions for the resolution of specific irregularities cannot be so comprehensive as to cover every omission, inconsistency, error or other irregularity which may occur in a bid. Any situation not specifically provided for will be determined in the discretion of the City of Novato, and that discretion will be exercised in the manner deemed by the City of Novato to best protect the public interest in the prompt and economical completion of the work. The decision of the City of Novato respecting the amount of a bid, or the existence or treatment of an irregularity in a bid, shall be final.

If this proposal shall be accepted and the undersigned shall fail to enter into the contract and furnish the bonds in the sums required by the Project Specifications, with surety satisfactory to the City Attorney, within eight (8) days, not including Saturdays, Sundays, and legal holidays, after the bidder has received notice from the City Engineer that the contract has been awarded, the City Council may, at its option, determine that the bidder has abandoned the contract, and thereupon this proposal and the acceptance thereof shall be null and void and the forfeiture of such security accompanying this proposal shall operate and the same shall be the property of the City of Novato.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm, or corporation; that he/she has carefully examined the location of the proposed work, the annexed proposed form of contract, and the plans therein referred to; and he/she proposes and agrees if this proposal is accepted, he/she will contract with the City of Novato in the form of the copy of the contract annexed hereto to provide all necessary machinery, tools, apparatus, and other means of construction, and to do all the work and furnish all the materials specified in the contract in the manner and time therein prescribed and according to the requirements of the City Engineer as therein set forth, and that he/she will take in full payment therefor the prices as set forth in the following bid schedule:

**INSERT BID SCHEDULE**

## Bid Schedule

**2019 Novato Annual Pavement Rehabilitation Project  
CIP Project No. 19-001  
Federal Aid Project HSIPL - 5361 (030)**

ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	ITEM PRICE	ITEM TOTAL
<b>BASE BID</b>					
1	Project Funding Identification Signs	LS	1	\$	\$
2	Temporary Traffic Control	LS	1	\$	\$
3	Construction Area Signs	LS	1	\$	\$
4	Temporary Water Pollution Control	LS	1	\$	\$
5	Remove and Replace Curb & Gutter	LF	190	\$	\$
6	Remove and Replace Concrete Sidewalk	SF	1,234	\$	\$
7	Remove Concrete and Construct Curb Ramp	EA	12	\$	\$
8	Remove and Replace Driveway Approach	SF	224	\$	\$
9	Remove Roadway & Construct Staggered Median	LS	1	\$	\$
10	Street Tree (15 Gallon) - Deliver & Plant	EA	3	\$	\$
11	Street Tree (15 Gallon) - Deliver Only	EA	2	\$	\$
12	HMA Dig-Out and Patch	TON	220	\$	\$
13	Plane Existing HMA (0.25')	SY	13,095	\$	\$
14	Plane Existing HMA (0.15')	SY	34,484	\$	\$
15	HMA Surface Course - 1/2" mix	TON	6,270	\$	\$
16	Adjust Existing Storm Drain Manhole to Grade	EA	2	\$	\$
17	Adjust Existing Monument Cover to Grade	EA	5	\$	\$
18	Install Single Sided Solar RRFB System	EA	1	\$	\$
19	Install New Roadway Sign and Post	EA	4	\$	\$
20	Remove (E) Roadway Sign	EA	4	\$	\$
21	Thermoplastic Pavement Stripe Detail 9	LF	708	\$	\$
22	Thermoplastic Pavement Stripe Detail 22	LF	2,860	\$	\$
23	Thermoplastic Pavement Stripe Detail 22 Modified	LF	356	\$	\$
24	Thermoplastic Pavement Stripe Detail 25A	LF	1,420	\$	\$
25	Thermoplastic Pavement Stripe Detail 26	LF	1,584	\$	\$
26	Thermoplastic Pavement Stripe Detail 27B	LF	1,364	\$	\$
27	Thermoplastic Pavement Stripe Detail 29	LF	978	\$	\$
28	Thermoplastic Pavement Stripe Detail 32	LF	2,036	\$	\$
29	Thermoplastic Pavement Stripe Detail 38	LF	1,628	\$	\$
30	Thermoplastic Pavement Stripe Detail 38A	LF	360	\$	\$
31	Thermoplastic Pavement Stripe Detail 39	LF	15,706	\$	\$
32	Thermoplastic Pavement Stripe Detail 39A	LF	3,835	\$	\$
33	Thermoplastic Pavement Markings - White	SF	4,480	\$	\$
34	Thermoplastic Pavement Markings - Yellow	SF	1,786	\$	\$
35	Pavement Markings - Green Bike Lane	SF	3,400	\$	\$
36	White Paint-Curb at Median	LF	596	\$	\$
37	Blue Reflective Pavement Markers	EA	9	\$	\$
<b>BASE BID - CONSTRUCTION TOTAL</b>					<b>\$</b>
<b>ALTERNATE 1</b>					
38	Adjust Existing Sewer Manhole to Grade*	EA	26	\$	\$
<b>ALTERNATE 1 - CONSTRUCTION TOTAL</b>					<b>\$</b>
<b>ALTERNATE 2</b>					
39	Adjust Existing Water Manhole to Grade*	EA	2	\$	\$
40	Adjust Existing Water Valve to Grade*	EA	28	\$	\$
<b>ALTERNATE 2 - CONSTRUCTION TOTAL</b>					<b>\$</b>

<b>ALTERNATE 3</b>					
41	Project Funding Identification Signs MUP*	LS	1	\$	\$
42	Temporary Traffic Control MUP*	LS	1	\$	\$
43	Construction Area Signs MUP*	LS	1	\$	\$
44	Temporary Water Pollution Control MUP*	LS	1	\$	\$
45	Grading MUP*	LS	1	\$	\$
46	Clearing & Grubbing MUP*	LS	1	\$	\$
47	Final Stabilization - Hydroseeding MUP*	LS	1	\$	\$
48	Class 2 Agregat Base MUP*	TON	600	\$	\$
49	Remove and Replace Driveway Approach MUP*	SF	576	\$	\$
50	Remove tree Stump MUP*	EA	6	\$	\$
51	Remove Existing Asphalt Concrete MUP*	SY	900	\$	\$
52	HMA - 1/2" mix MUP*	TON	180	\$	\$
53	Thermoplastic Pavement Striping and Markings MUP*	LS	1	\$	\$
54	Traffic Signs MUP*	EA	6	\$	\$
55	Construct MUP Lighting Trench*	LF	1,300	\$	\$
56	Removable Bollard MUP*	EA	6	\$	\$
<b>ALTERNATE 3 - CONSTRUCTION TOTAL</b>					\$
<b>ALTERNATE 4</b>					
57	Rubberized Asphalt Hot-Mix Surface Course (Differential Cost Only)	TON	6,270	\$	\$
<b>ALTERNATE 4 - CONSTRUCTION TOTAL</b>					\$
S = Specialty Items; F = Final Pay Quantities; See Specifications; * = For Information Only					

## BID BOND

KNOW ALL PERSONS BY THESE PRESENT that the CITY OF NOVATO (“City”), a municipal corporation located in the County of Marin, State of California, has received a Proposal from \_\_\_\_\_, hereinafter designated as Principal, whereby Principal agrees to enter into a Contract with the City for the improvements more particularly described in all documents forming the complete Contract entitled \_\_\_\_\_, Project No. \_\_\_\_\_, which said complete Contract is hereby referred to and made a part hereof; and

WHEREAS, said Principal is required to furnish a bond in connection and with said Proposal, provided that if said Principal fails or refuses to enter into said Contract, the Surety of this bond will pay the City the amount hereinafter set forth.

NOW, THEREFORE, we the Principal and \_\_\_\_\_, as Surety, are held and firmly bound unto the CITY OF NOVATO in the penal sum of \$ \_\_\_\_\_, lawful money of the United States, being not less than ten percent (10%) of the estimated Contract cost of the work, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these present.

THE CONDITIONS OF THIS OBLIGATION IS SUCH that if said Principal, his/her/its heirs, executors, administrators, successors or assigns, shall fail to enter into said Contract, then said Surety will pay the same in or to an amount not exceeding the amount hereinabove set forth, and also will pay in case suit is brought upon this bond a reasonable attorney’s fee in such suit, which fee shall be fixed by the Court.

AS FURTHER TERMS OF THIS BOND, IT IS UNDERSTOOD AS FOLLOWS:

- (a) If said Proposal shall be rejected, or in the alternative;
- (b) If said Proposal shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Proposal) and shall furnish a bond for his/her/its faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Proposal;

then, this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the City may accept such Proposal; and said Surety does hereby waive notice of any such extension.

PROVIDED FURTHER, that no final settlement between the City and Principal shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

NOTE: To be signed by Principal and Surety and acknowledgment and notarial seal attached.

\_\_\_\_\_  
PRINCIPAL

BY: \_\_\_\_\_  
TITLE

\_\_\_\_\_  
SURETY

BY: \_\_\_\_\_  
TITLE

It has been confirmed that Surety is admitted by the Department of Insurance to transact business in the State of California and has a Best's rating of at least \_\_\_\_\_.

\_\_\_\_\_  
City Engineer or Public Works Director  
CITY OF NOVATO

The form of the above bond is approved this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Attorney for the  
CITY OF NOVATO

The bidder shall list the name, address and California Contractor’s license number of each subcontractor to whom the bidder proposes to subcontract portions of the work, as required by the Project Specifications in “Required Listing of Proposed Subcontractors” and “Performance of Subcontractors” in Section 00 21 13.

**LIST OF SUBCONTRACTORS**

<b>Name and Address</b>	<b>License Number</b>	<b>Description of Portion of Work Subcontracted</b>

**BIDDER'S QUESTIONNAIRE**

**The bidder shall complete the questionnaire below for the bidder and each subcontractor to whom the bidder proposes to subcontract portions of the work. Please use one form for each subcontractor.**

Firm's Name: \_\_\_\_\_

Address: \_\_\_\_\_

County: \_\_\_\_\_

Telephone #: (    ) \_\_\_\_\_ Fax #: (    ) \_\_\_\_\_

Contact person's name: \_\_\_\_\_

Contact person's email address: \_\_\_\_\_

For contractors, License #: \_\_\_\_\_

License classification(s): \_\_\_\_\_

Disadvantaged Business Enterprise? If yes, certification number: \_\_\_\_\_

Date Business Established: \_\_\_\_\_

Annual Gross Receipts: \_\_\_\_\_

Contractors and Consultants, briefly note types of services provided:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Noncollusion Affidavit**  
(Title 23 United States Code Section 112 and  
Public Contract Code Section 7106)

To the CITY of Novato  
*DEPARTMENT OF PUBLIC WORKS.*

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Noncollusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Noncollusion Affidavit.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

## **NONLOBBYING CERTIFICATION FOR FEDERAL-AID CONTRACTS**

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in conformance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

**DISCLOSURE OF LOBBYING ACTIVITIES**

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

**1. Type of Federal Action:**

- a. contract
- b. grant
- c. cooperative agreement
- d. loan
- e. loan guarantee
- f. loan insurance

**2. Status of Federal Action:**

- a. bid/offer/application
- b. initial award
- c. post-award

**3. Report Type:**

- a. initial
- b. material change

**For Material Change Only:**

year \_\_\_\_\_ quarter \_\_\_\_\_  
date of last report \_\_\_\_\_

**4. Name and Address of Reporting Entity**

- Prime
- Subawardee  
Tier \_\_\_\_\_, if known

Congressional District, if known

**6. Federal Department/Agency:**

**5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:**

Congressional District, if known

**7. Federal Program Name/Description:**

CFDA Number, if applicable \_\_\_\_\_

**8. Federal Action Number, if known:**

**9. Award Amount, if known:**

**10. a. Name and Address of Lobby Entity**  
(If individual, last name, first name, MI)

**b. Individuals Performing Services** (including address if different from No. 10a)  
(last name, first name, MI)

(attach Continuation Sheet(s) if necessary)

**11. Amount of Payment (check all that apply)**

\$ \_\_\_\_\_  actual  planned

**13. Type of Payment (check all that apply)**

- a. retainer
- b. one-time fee
- c. commission
- d. contingent fee
- e. deferred
- f. other, specify \_\_\_\_\_

**12. Form of Payment (check all that apply):**

- a. cash
- b. in-kind; specify: nature \_\_\_\_\_  
value \_\_\_\_\_

**14. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 11:**

(attach Continuation Sheet(s) if necessary)

**15. Continuation Sheet(s) attached: Yes  No**

**16.** Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Date: \_\_\_\_\_

**Federal Use Only:**

Authorized for Local Reproduction  
Standard Form - LLL

## **INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES**

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of covered Federal action or a material change to previous filing pursuant to title 31 U.S.C. section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered Federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant. or loan award number, the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influenced the covered Federal action.  
(b) Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).

11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box. Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box. Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with Federal officials. Identify the Federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
15. Check whether or not a continuation sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

## DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

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Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

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*(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)*

## **EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION**

The bidder \_\_\_\_\_, proposed subcontractor \_\_\_\_\_, hereby certifies that he has \_\_\_\_\_, has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts, which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

**PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT**

In accordance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder

has

has not

been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any State or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term “bidder” is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

*Note: The bidder must place a check mark after ~~A~~has@ or ~~A~~has not@ in one of the boxes provided.*

*The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement.*

*Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.*

**PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE**

In accordance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, even been disqualified, removed, or otherwise prevented from bidding on, or completing a Federal, State, or local government project because of a violation of law or a safety regulation?

Yes      No

If the answer is yes, explain the circumstances in the following space:

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## **PUBLIC CONTRACT SECTION 10232 STATEMENT**

In accordance with Public Contract Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a Federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a Federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

*Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.*

*Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.*

**Bidder's Certification Form (Public Contract Code)**

Accompanying this proposal is \_\_\_\_\_  
(Notice: Insert the words CASH (\$ \_\_\_\_\_), CASHIER'S CHECK, OR BIDDERS BOND)  
in amount equal to at least ten percent of the total of the bid.

The names of all persons interested in the foregoing proposal as principals are as follows:

IMPORTANT NOTICE: If bidder or other interested person is a corporation, state legal name of corporation and names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm and names of all individual co-partners composing firm; if bidder or other interested person is an individual, state first and last names in full.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Licensed in accordance with an act providing for the registration of Contractors,

License No. \_\_\_\_\_ Classification(s) \_\_\_\_\_

Addenda: This proposal is submitted with respect to the changes to the contract included in addenda numbers:

\_\_\_\_\_

*(Fill in addenda numbers if addenda have been received, and insert in this proposal any engineer's estimate sheets that were received as part of the addenda.)*

Addendum or addenda issued by the City must be noted above.

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; and the Title 49 Code of Federal Regulations, Part 29, Debarment and Suspension Certification are true and correct.

Signature and Title of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Business Address: \_\_\_\_\_

Place of Business: \_\_\_\_\_

Place of Residence: \_\_\_\_\_

**SECTION 00 51 10**  
**AWARD AND EXECUTION OF CONTRACT**

1.1 General.

The bidder's attention is directed to the provisions in Section 3, "CONTRACT AWARD AND EXECUTION," of the Standard Specifications and these Project Specifications for the requirements and conditions concerning submittal, award, and execution of contract.

1.2 Award of Contract.

The award of contract, if it be awarded, will be to the lowest responsible bidder whose proposal complies with all the requirements prescribed.

Section 3-1.04, "CONTRACT AWARD," of the Standard Specifications is amended to read:

*The right is reserved to reject any and all proposals.*

*The award of the contract, if it be awarded, will be to the lowest responsible bidder whose proposal complies with all the requirements prescribed. Such award, if made, will be made within thirty (30) days after the opening of the proposals. If the lowest responsible bidder refuses or fails to execute the contract, the City Council may award the contract to the second lowest responsible bidder. Such award, if made, will be made within sixty (60) days after the opening of the proposals. If the second lowest responsible bidder refuses or fails to execute the contract, the City Council may award the contract to the third lowest responsible bidder. Such award, if made, will be made within ninety (90) days after the opening of the proposals. The periods of time specified above within which the award of contract may be made shall be subject to extension for such further period as may be agreed upon in writing between the Purchasing Agent and the bidder concerned.*

*All bids will be compared on the basis of the quantities shown in the bid schedule. Award of bids shall be determined by the base bid only and not the base bid with Alternate A1.*

The City reserves the right to award the base bid and any combination of alternate bid items as listed in Alternate A1 (including all or none) as the interest of the City may require. The base bid shall be used to determine the lowest responsible bidder.

1.3 Bonds.

The Contractor shall provide at the time of the execution of the agreement or contract for work, at his own expense, a surety bond in an amount equal to at least one hundred percent (100%) of the contract price as security for the faithful performance of said agreement. Contractor shall also provide at the time of the execution of the agreement or contract for work, at his own expense, a separate surety bond in an amount equal to at least one hundred percent (100%) of the contract price as security for the payment of all persons performing and furnishing materials in connection with said agreement. Sureties on each of said bonds shall be qualified to do business in the State of California.

#### 1.4 Bid Protest.

Any bid protest must be submitted in writing to the Designated Agent at 922 Machin Avenue, Novato, CA 94945 before 5:00 p.m. of the fourth business day following bid certification and posting. The protest document must contain a complete statement indicating the basis of the protest. The protest must include the name, address and telephone number of the person representing the protesting party. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with [that may have] a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other Bidders or proposers. The City will issue a decision on the protest within five (5) working days of receipt of the protest submittal. If the City determines that a protest is without merit, the City will award the contract to the lowest responsible bidder in accordance with the specifications. If the City determines that a protest has merit, the City will notify all bidders of the decision and the recourse to be taken.

## AGREEMENT

THIS AGREEMENT is entered into as of the \_\_\_\_\_ day of \_\_\_\_\_, by and between the City of Novato, a municipal corporation, County of Marin, State of California, hereinafter called the “City,” and

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hereinafter called the “Contractor.”

1. WORK. For and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the City and under the conditions expressed in the two bonds bearing even date with these presents, and hereunto annexed, the Contractor agrees with the City at the Contractor’s own proper cost and expense to do all the work and furnish all the materials, except such as are mentioned in the specifications to be furnished by the City, necessary to construct and complete in a good, workmanlike, and substantial manner, and to the satisfaction of the City Council of the City of Novato the work described in the special provisions and the project plans described below, including any addenda thereto, and also in accordance with the Department of Transportation Standard Specifications and Plans dated 2018, the Uniform Construction Standards of the Cities and County of Marin, the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished, and the General Prevailing Wage Rates incorporated into the special provisions. The project specifications, project plans, Standard Plans, Standard Specifications, Labor Surcharge and Equipment Rental Rates, and General Prevailing Wage Rates are hereby specially referred to and by such reference made a part hereof.

The provisions of Form FHWA 1273 are attached hereto as (Exhibit A) and are incorporated herein by reference unmodified. The provisions of Exhibit A apply to all federal-aid contracts, whether such federal-aid is obtained prior to or during the course of work under this Agreement and shall apply to Contractor and all work performed by Contractor and any and all subcontracts and subsequent lower-tier subcontracts and Contractor shall incorporate such provisions into all subcontracts and shall require all subcontractors to incorporate such provisions in to all lower-tier subcontracts.

Additionally, the Minimum Federal Wage Rates Determination is attached hereto as Exhibit B and incorporated herein by reference in conformance with federal 10-day rule as a part of this Agreement. This wage rate determination applies to all federal-aid contracts and shall apply to Contractor and all work performed by Contractor exceeding \$2000 and any and all subcontracts and subsequent lower-tier subcontracts and work exceeding \$2000 and Contractor shall incorporate such provisions into all subcontracts and shall require all subcontractors to incorporate such provisions in to all lower-tier subcontracts.

The project specifications are entitled:

**2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT  
NOVATO BLVD, REDWOOD BLVD, WILSON AVENUE  
CIP Project No. 19-001; Federal Aid # STPL-5361 (030)**

The project plans for the work to be done are entitled:

**2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT  
NOVATO BLVD, REDWOOD BLVD, WILSON AVENUE  
CIP Project No. 19-001; Federal Aid # STPL-5361 (030)**

2. TERMS AND CONDITIONS. The City hereby promises and agrees with the Contractor to employ, and does hereby employ, the Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to, for the prices set forth in the Contractor's proposal dated \_\_\_\_\_, and hereby contracts to pay the same at the time, in the manner, and upon the conditions herein set forth; and the said parties for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained. The Contractor shall warrant all work performed under this contract for a one (1) year period commencing upon acceptance of the final work.
3. WAGES. The statement of prevailing wages appearing in the General Prevailing Wage Rates is hereby specifically referred to and by this reference is made a part of this contract. It is further expressly agreed by and between the parties hereto that should there be any conflict between the terms of this instrument and the bid or proposal of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith. Notwithstanding anything to the contrary stated herein or in any of the writings specified in paragraph 1, above, the work covered by this agreement is a "public work" as defined in chapter 1, Part 7 of Division 2 of the California Labor Code.
4. WORKERS COMPENSATION. By my signature hereunder, as Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers 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.
5. PRICES. The Contractor agrees to receive and accept the prices set forth in the Contractor's bid in the amount of \$ \_\_\_\_\_, as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by the City Council of the City of Novato, and for all risks of every description connected with the work; also, for all expenses incurred by or in consequence of the suspension or

discontinuance of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the City Engineer of the City of Novato.

6. ATTORNEY'S FEES. California Civil Code Section 1717 permits the parties to a contract to determine if attorney's fees shall be recoverable in any dispute, conflict, or controversy between the parties arising out of the terms of the agreement or either party's performance or alleged failure to perform or keep any term, covenant, or condition of the agreement. The parties expressly decline to include an attorney's fees clause in this contract. Notwithstanding anything to the contrary stated in this Agreement or stated in those documents incorporated by reference into section 1 of this Agreement (hereinafter referred to as "contract documents"), Labor and Materials Bonds, Performance Bonds, Bid Bonds, and Guaranty, neither party to this Agreement shall be entitled to recover attorney's fees as a prevailing party under: 1) California Civil Code Section 1717; 2) any other provision of the law that permits parties to determine when attorney fees may be recovered; and/or 3) any other provision of the contract documents pertinent to the work to be performed under this Agreement in any claim, suit, action, or other formal or informal proceeding arising out of, or connected with, this Agreement, this Project or Contractor's performance hereunder. Notwithstanding the foregoing, nothing herein stated shall modify or affect the indemnification provisions (or the right to recover attorney's fees in enforcing said indemnification provisions) of the special provisions or other provisions of the contract documents, pertinent to the work to be performed under this Agreement, nor shall any of the provisions of this section apply to any action that seeks to enforce any provision of the Bid Bond(s), Performance Bond(s), Labor and Materials Bond(s), or any other bond(s), guarantee, or instrument of credit issued in favor of the City to assure or pay for Contractor's performance under this Agreement. Should any action be filed that seeks to enforce: 1) any provision of the above-referenced bonds, guarantee, or instrument of credit; and 2) any provision of this Agreement, the contract documents and/or special or other provisions incorporated into this Agreement (with the exception of indemnification provisions described in this section), a prevailing party shall only be entitled to recover those attorney's fees that were expended to enforce the provisions of the documents specified in sub-paragraph 1) referenced hereinabove (i.e., bonds, guarantee, or instrument of credit) and not the provisions of the documents specified in sub-paragraph 2) referenced hereinabove.

IN WITNESS WHEREOF, the said City of Novato has, by order of its City Council by Ordinance No. 171, caused these presents to be subscribed by the City Manager and the seal of said City to be affixed and attested by the City Clerk, and the said Contractor has subscribed his name hereto the day and year first above written.

CITY OF NOVATO

\_\_\_\_\_  
City Manager

Approved as to form:

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
Date

ATTEST:

\_\_\_\_\_  
City Clerk

CONTRACTOR

By \_\_\_\_\_

Licensed in accordance with an act providing for the registration of contractors:

License No. \_\_\_\_\_

Federal Employer Identification No. \_\_\_\_\_

**Required Contract Provisions  
Federal-Aid Construction Contracts  
(Attach Here)**

**Applicable Federal Labor Categories  
and Minimum Wage Rates  
(Attach Here)**

*(On Surety Letterhead)*

**PERFORMANCE BOND  
(Public Works)**

WHEREAS, the City of \_\_\_\_\_, State of California, and \_\_\_\_\_ (hereinafter designated as "PRINCIPAL") have entered into an agreement whereby PRINCIPAL agrees to complete improvements specified in the said agreement, which said agreement, dated \_\_\_\_\_, and identified as project \_\_\_\_\_ is hereby referred to and made a part hereof; and

WHEREAS, said PRINCIPAL is required under the terms of said agreement to furnish a bond for the faithful performance of said agreement.

NOW, THEREFORE, we, the PRINCIPAL and \_\_\_\_\_ as surety, are held and firmly bound unto the City of \_\_\_\_\_ (hereinafter called City), in the penal sum of \_\_\_\_\_ DOLLARS (\$) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bounded PRINCIPAL, his/her/its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, therein provided, on his/her/their part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify, defend, and save harmless City, its officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by City in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

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

IN WITNESS WHEREOF, this instrument has been duly executed by the PRINCIPAL and surety above named, on \_\_\_\_\_, 20\_\_.

NOTE: To be signed by Principal and Surety with acknowledgment and notarial seal attached for both signatures.

PRINCIPAL

By: \_\_\_\_\_

TITLE: \_\_\_\_\_

SURETY

By: \_\_\_\_\_

TITLE: \_\_\_\_\_

It has been confirmed that Surety is admitted by the Department of Insurance to transact business in the State of California and has a Best's rating of at least \_\_\_\_\_.

\_\_\_\_\_  
City Engineer or Public Works Director  
CITY OF NOVATO

The form of the above bond is approved this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Attorney for the  
CITY OF NOVATO

(On Surety Letterhead)

**LABOR AND MATERIALS BOND  
(CONSTRUCTION PUBLIC WORKS)**

KNOW ALL PERSONS BY THESE PRESENTS, that the City of \_\_\_\_\_ ("City") a municipal corporation located in the County of \_\_\_\_\_, State of California, by Resolution No. \_\_\_\_\_, has awarded a contract to and has entered into an agreement with \_\_\_\_\_, hereinafter designated as "Principal" whereby Principal agrees to complete the improvements more particularly described in all documents forming the complete contract entitled " \_\_\_\_\_ ", which said agreement is hereby referred to and made a part hereof; and

WHEREAS, said Principal is required to furnish a bond in connection and with said contract, provided that if said Principal, or any of his/her/its contractors, shall fail to pay for any materials, provisions, provender or other supplies or teams used in, upon, for or about the performance of the work contracted to be done, or for any work or labor done thereon of any kind, the Surety of this bond will pay the same to the extent hereinafter set forth.

NOW, THEREFORE, we the Principal and \_\_\_\_\_, as surety, are held and firmly bound unto the City of \_\_\_\_\_ in the penal sum of \$ \_\_\_\_\_, lawful money of the United States, being not less than one hundred (100%) percent of the estimated contract cost of the work, for the payment of which sum 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 if said Principal, his/her/its heirs, executors, administrators, successors or assigns, or its subcontractors, shall fail to pay any of the persons named in Section 9100 of the Civil Code, or to pay for any materials, provisions, provender, or other supplies or teams used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind or for amounts due under the Unemployment Insurance Code with respect to such work or labor, then said Surety will pay the same in or to an amount not exceeding the amount hereinabove set forth, and also will pay in case suit is brought upon this bond a reasonable attorney's fee in such suit, which fee shall be fixed by the Court.

AS FURTHER TERMS OF THIS BOND, IT IS UNDERSTOOD AS FOLLOWS:

1. This bond and all its provisions shall inure to the benefit of and all persons named in Section 3181 of the Civil Code so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

2. This bond is given to comply with the provisions of Title 3, (commencing with Section 9000) of Part 6 of Division 4, of the Civil Code. The liability of the Principal and Surety hereunder is governed by the provisions of said Chapter, all acts amendatory thereof, and all other statutes referred to therein.

3. The said 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 the specifications accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of this contract or to the work or to the specifications.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their seals this \_\_\_ day of \_\_\_\_\_, 20\_\_, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

NOTE: To be signed by Principal and Surety and acknowledgment and notarial seal attached.

(SEAL)

PRINCIPAL

By: \_\_\_\_\_

Title: \_\_\_\_\_

SURETY

By: \_\_\_\_\_

Title: \_\_\_\_\_

I certify under penalty of perjury that Surety is admitted by the Department of Insurance to transact business in the State of California and has a Best's rating of \_\_\_\_\_.

\_\_\_\_\_  
SURETY

By: \_\_\_\_\_

Title:

The above bond is accepted and approved this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
City Attorney

**SECTION 00 72 10**  
**BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED**  
**DAMAGES**

1.1 Beginning of Work.

Following contract award by City Council per Section 00 51 10 of these Project Specifications, the process preceding beginning of work shall be as follows:

1. Contractor and Engineer shall confer to agree on the day and time for the preconstruction conference. Engineer will provide up to three (3) copies of the plans and Project Specifications at no charge to the Contractor within five (5) working days of award.
2. The Engineer will provide a letter to the Contractor, confirming the proposed first working day, confirming the day and time of the preconstruction conference, forwarding the contract agreement for execution and amplifying the other items to be submitted before the first working day.
3. Contractor shall submit the following items at least five (5) working days prior to the preconstruction conference:
  - A. Executed agreement
  - B. Completed insurance forms
  - C. Progress schedule as specified
  - D. Copy of current City of Novato Business License
  - E. Other items as specified
4. At the preconstruction conference, provided that all items have been satisfactorily submitted, the Engineer will issue a Notice to Proceed on the proposed first working day. Contractor shall begin work on the day specified in the City Engineer's Notice to Proceed.
5. The Engineer may amend the proposed first working day up to five (5) working days later than the initial proposed first working day for any reason. Contractor shall be entitled to no compensation for such a delay.

1.2 Time of Completion.

The work shall be diligently prosecuted to completion before the expiration of 30 working days as governed by the Project Specifications regarding order of work.

Legal holidays shall be defined as those days designated as holidays by the City of Novato, which are as follows:

January 1, New Year's Day  
Martin Luther King's Birthday, third Monday in January  
President's Day, third Monday in February  
Memorial Day, last Monday in May  
July 4, Independence Day  
Labor Day, first Monday in September

Thanksgiving Day  
Friday after Thanksgiving  
December 24, Christmas Eve  
December 25, Christmas Day  
December 31, New Year's Eve

When a holiday falls on a Saturday, the preceding Friday shall be designated a holiday. When a holiday falls on a Sunday, the following Monday shall be designated a holiday.

### 1.3 Liquidated Damages.

The Contractor shall pay to the City the sum of \$ 4,000 per day for each and every calendar day's delay in finishing the work in excess of the number of working days prescribed above. If work is substantially complete but only "punchlist" items remain, the City, at its option, may, in lieu of liquidated damages, charge the Contractor the City's actual cost including the overhead of administrating and inspecting the uncompleted contract.

Full compensation for any additional costs occasioned by compliance with the provisions in this section shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed.

### 1.4 Superintendence.

The Contractor shall designate in writing an authorized representative who shall have authority to represent and act for the Contractor at the work site. The address and telephone number for off-duty hours should be included. In connection with change orders and daily extra work reports, we require a list of names and titles of personnel authorized to sign these documents.

### 1.5 Preconstruction Conference.

Prior to the issuance of a "Notice to Proceed," a preconstruction conference shall be held at the office of the City Engineer for the purpose of discussing with the Contractor the scope of work, contract drawings, specifications, existing conditions, materials to be ordered, equipment to be used, and all essential matters pertaining to the prosecution and the satisfactory completion of the project as required. The Contractor's representative at this conference shall include all major superintendents for the work and major subcontractors.

### 1.6 Archaeological Discoveries.

All articles of archaeological interest which may be uncovered by the Contractor during the progress of the work shall be reported immediately to the Engineer. The further operations of the Contractor with respect to the find will be decided under the direction of the Engineer.

### 1.7 Progress Schedule.

A preliminary progress schedule shall be submitted at the preconstruction conference. A full progress schedule shall be submitted before the first payment. The progress schedule shall include all planned procurement tasks, all planned construction tasks, planned duration for tasks, planned sequence, and interdependence of tasks required for complete performance of the work. The Contractor shall provide a full description of the work involved in each task or refer to a matching bid item description. A graphic display of the schedule is optional.

At least once per week, the Contractor shall submit an updated progress schedule for completion of the project. The Contractor's representative shall meet with the engineer's representative to discuss the current schedule status and work planned for the next week. This weekly "job conference" is intended to assist in achieving a prompt, safe, and cost-controlled project. Discussions shall include CCO status, claims status, and detours if such should apply.

The progress schedule shall be kept current on a monthly basis. Whenever tasks are delayed for any reason, the progress schedule shall be revised and resubmitted before the next payment. The contractor shall provide schedules for planned activities for a three week period on a weekly basis.

Full compensation for the progress schedule shall be considered as included in the various contract prices paid for the items of work and no additional compensation will be allowed therefor.

The progress schedule shall include all planned procurement tasks, all planned construction tasks, planned duration for tasks, planned sequence, and interdependence of tasks required for complete performance of the work. A task shall be defined as an independent item of work to be accomplished by a definable, recognizable entity within the project. The Contractor shall provide a full description of the work involved in each task or refer to a matching bid item description.

At the Contractor's option, a preliminary progress schedule may be submitted prior to the preconstruction conference as required by Section 1.1, "Beginning of Work," of this Specification Section. The full progress schedule shall then be submitted before the first payment. The rough schedule shall include each activity, but may represent the duration and schedule of the activities on a time-scaled bar chart.

The progress schedule shall be kept current on a weekly basis. Whenever tasks are delayed for any reason the progress schedule shall be revised and resubmitted before the next payment. The Contractor shall provide schedules for planned activities for a three-week period on a weekly basis. The Contractor is encouraged to refer to "The Use of CPM in Construction," a manual for general contractors prepared and published by the Associated General Contractors of America.

### **Measurement and Payment**

Full compensation for the progress schedule shall be considered as included in the various contract prices paid for the items of work and no additional compensation will be allowed therefore.

**SECTION 00 72 11**  
**GENERAL CONTRACT REQUIREMENTS**

1.1 Differing Site Conditions.

During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract, are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before they are disturbed and before the affected work is performed.

Upon written notification, the Engineer will investigate the conditions, and if the Engineer determines that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment excluding loss of anticipated profits will be made and the contract modified in writing accordingly. The Engineer will notify the Contractor of his determination whether or not an adjustment of the contract is warranted.

Full compensation for pruning roots of trees and shrubs shall be considered as included in the various unit price items of work involved (ie. Remove and Replace Concrete Sidewalk) and no additional compensation shall be allowed therefore.

No contract adjustment which results in a benefit to the Contractor shall be allowed unless the Contractor has provided the required written notice.

No contract adjustment shall be allowed under the provisions specified in this section for any effects caused on unchanged work.

Any contract adjustment warranted due to differing site conditions shall be made in accordance with the provisions in Section 4-1.06, "DIFFERING SITE CONDITIONS," of the Standard Specifications.

1.2 Project Appearance.

The Contractor shall maintain a neat appearance to the work.

In any area visible to the public, the following shall apply:

When practicable, broken concrete and debris developed during clearing and grubbing shall be disposed of concurrently with its removal.

The Contractor shall furnish trash bins for all debris from structure construction. All debris shall be placed in trash bins daily. Forms or falsework that are to be reused shall be stacked neatly concurrently with their removal. Forms and falsework that are not to be reused shall be disposed of concurrently with their removal.

Full compensation for conforming to the provisions in this section, not otherwise provided for, shall be considered as included in prices paid for the various contract items of work involved, and no additional compensation shall be allowed therefor.

### 1.3 Hazardous Waste in Excavation.

If the Contractor encounters material in excavation which he has reason to believe may be hazardous waste, as defined by Section 25117 of the Health and Safety Code, he shall immediately so notify the Engineer in writing. Excavation in the immediate area of the suspected hazardous material shall be suspended until the Engineer authorizes it to be resumed. If such suspension delays the current controlling operation, the Contractor shall be granted an extension of time as provided in Section 8-1.07, "DELAYS," of the Standard Specifications.

If such suspension delays the current controlling operation more than two working days, the delay shall be considered a right-of-way delay and the Contractor shall be compensated for such delay as provided in Section 8-1.07, "DELAYS," of the Standard Specifications.

The department reserves the right to use other forces for exploratory work to identify and determine the extent of such material and for removing hazardous material from such area.

### 1.4 Removal of Asbestos and Hazardous Substances.

When the presence of asbestos or hazardous substances are not shown on the plans or indicated in the specifications and the Contractor encounters materials which the Contractor reasonably believes to be asbestos or a hazardous substance as defined in Section 25914.1 of the Health and Safety Code, and the asbestos or hazardous substance has not been rendered harmless, the Contractor may continue work in unaffected areas reasonably believed to be safe, and shall immediately cease work in the affected area and report the condition to the Engineer in writing.

In accordance with Section 25914.1 of the Health and Safety Code, all such removal of asbestos or hazardous substances including any exploratory work to identify and determine the extent of such asbestos or hazardous substance shall be performed by separate contract.

If delay of work in the area delays the current controlling operation, the delay shall be considered a right-of-way delay and the Contractor shall be compensated for such delay as provided in Section 8-1.07, "DELAYS," of the Standard Specifications.

### 1.5 Trench Excavation.

All trench excavation, shoring, and safety shall be per Section 19-3.03B, "Structure Excavation," of the Standard Specifications. Section 19-3.03B is amended to read:

*Such detailed plans shall be submitted at least three weeks before the Contractor intends to begin excavation for the trench and shall show the details of the design of shoring, bracing, sloping, or other provisions to be made for worker protection during such excavation.*

### 1.6 Independent Contractor Clause.

It is understood and agreed that the Contractor is, and at all times shall be, an independent Contractor, and nothing contained herein shall be construed as making the Contractor, or any individual whose compensation for services is paid by the Contractor, an agent or employee of the

City, or authorizing Contractor to create or assume any obligations for or on behalf of the City

1.7 Engineer and Control of Work.

Engineer shall mean the City Engineer of the City of Novato, or his authorized agent acting within the scope of his authority.

The Engineer shall decide all questions which may arise as to the quality or acceptability of materials furnished and work performed and as to the manner of performance and rate of progress on the work; all questions which may arise as to the interpretation of the plans and specifications; all questions as to the acceptable fulfillment of the contract on the part of the Contractor; and all questions as to compensation. His decision shall be final, and he shall have the authority to enforce and make effective such decisions and orders which the Contractor fails to carry out promptly.

Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in these specifications and the general provisions, the Contractor shall request from the Engineer explanations that may be necessary and shall conform to them as part of the contract, so far as may be consistent with the original specifications; and in the event of any doubt or questions arising regarding the true meaning of the specifications, reference shall be made to the Engineer, whose decision thereof shall be final.

The Contractor shall be entirely responsible for any damage to street improvements or property due to hauling, excavating, or other causes attributable to the work, and all such damaged portions shall be repaired when directed and as required to place them in as good a condition as existed before commencement of the work.

None but competent foremen and workers shall be employed on work requiring special qualifications, and when required by the Engineer, the Contractor shall discharge any person who commits a trespass or is, in the opinion of the Engineer, disorderly, dangerous, insubordinate, incompetent, or otherwise objectionable. Such discharge shall not be the cause of any claim for compensation or damages against the City or any of its officers or representatives.

The Engineer may request at any time, and the Contractor shall provide, certified payroll records indicating all wages paid to all workers on the project for the time period requested. Approved forms for this purpose shall be provided by the Engineer on request.

1.8 Public Notification.

The Contractor shall provide notice by letter to all property owners within 600 feet of the project to be received at least two (2) working days before the first working day of the contract. The Engineer shall provide mailing labels. The letter shall name the foreman and superintendent and shall provide the Contractor's telephone number. The letter shall describe the general scope and schedule of the work and shall describe further notifications to be received.

The Contractor shall provide a copy of all notices to the Engineer prior to distribution. A sample public notification letter is attached to these Project Specifications. If the Contractor does not complete public notification, the City shall suspend the Engineer's Notice to Proceed until the first public notification is complete. The Contractor shall be entitled to no compensation for such a suspension of the Notice to Proceed.

### 1.9 Labor Nondiscrimination.

Attention is directed to the following Notice that is required by Chapter 5 of Division 4 of Title 2, California Code of Regulations.

#### **NOTICE OF REQUIREMENT FOR NONDISCRIMINATION PROGRAM (GOV. CODE, SECTION 12990)**

Your attention is called to the “Nondiscrimination Clause,” set forth in Section 7-1.02I(2), “Nondiscrimination,” of the Standard Specifications, which is applicable to all nonexempt State contracts and subcontracts, and to the “Standard California Nondiscrimination Construction Contract Specifications” set forth therein. The Specifications are applicable to all nonexempt State construction contracts and subcontracts of \$5,000 or more.

### 1.10 Public Safety.

In addition to any other measures taken by the Contractor pursuant to the provisions of Section 7-1.04, “PUBLIC SAFETY,” of the Standard Specifications, the Contractor shall install temporary railing (Type K) between any lane carrying public traffic and any excavation, obstacle, or storage area when the following conditions exist:

1. **Excavations:** Any excavation, the near edge of which is 12 feet (3.6 meter) or less from the edge of the lane, except:
  - A. Excavations covered with sheet steel or concrete covers of adequate thickness to prevent accidental entry by traffic or the public.
  - B. Excavations less than 1 foot (0.3-meter) deep.
  - C. Trenches less than 1 foot (0.3-meter) wide for irrigation pipe or electrical conduit or excavations less than 1 foot (0.3-meter) in diameter.
  - D. Excavations parallel to the lane for the purpose of pavement widening or reconstruction.
  - E. Excavations in side slopes, where the slope is steeper than 4:1 (vertical:horizontal).
  - F. Excavations protected by existing barrier or railing.
2. **Temporarily Unprotected Permanent Obstacles:** Whenever the work includes the installation of a fixed obstacle together with a protective system, such as a sign structure together with protective railing, and the Contractor elects to install the obstacle prior to installing the protective system; or whenever the Contractor, for his convenience and with permission of the Engineer, removes a portion of an existing protective railing at an obstacle and does not replace such railing complete in place during the same day.
3. **Storage Areas:** Whenever material or equipment is stored within 12 feet of the lane and such storage is not otherwise prohibited by the specifications.

The approach end of temporary railing (Type K), installed in conformance with the provisions in this section "Public Safety" and in Section 7-1.04, "PUBLIC SAFETY," of the Standard Specifications, shall be offset a minimum of 15 ft (4.6 m) from the edge of the traffic lane open to public traffic. The temporary railing shall be installed on a skew toward the edge of the traffic lane of not more than 1 ft (0.3-m) transversely to 10 ft (3 m) longitudinally with respect to the edge of the traffic lane. If the 15 ft (4.6-m) minimum offset cannot be achieved, the temporary railing shall be installed on the 10 to 1 skew to obtain the maximum available offset between the approach end of the railing and the edge of the traffic lane, and an array of temporary crash cushion modules shall be installed at the approach end of the temporary railing.

Temporary railing (Type K) shall conform to the provisions in Section 12-3.08, "TYPE K TEMPORARY RAILING," of the Standard Specifications.

Temporary crash cushion modules shall conform to the provisions in "Temporary Crash Cushion Module" of these Project Specifications.

Except for installing, maintaining, and removing traffic control devices, whenever work is performed or equipment is operated in the following work areas, the Contractor shall close the adjacent traffic lane unless otherwise provided in the specifications:

Approach Speed of Public Traffic Posted Limit/Miles Per Hour	Work Areas
Over 45	Within 6 feet of a traffic lane, but not on a traffic lane
35 to 45	Within 3 feet of a traffic lane, but not on a traffic lane

The lane closure provisions of this section shall not apply if the work area is protected by permanent or temporary railing or barrier.

When traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of traffic lane. However, the Contractor shall not reduce the width of an existing lane to less than 10 feet without written approval from the Engineer. The lane closure provisions of this section shall not apply if the work area is protected by permanent or temporary railing or barrier.

When work is not in progress on a trench or other excavation that required a lane closure, the traffic cones or portable delineators used for the lane closure shall be placed off of and adjacent to the edge of the traveled way. The spacing of the cones or delineators shall be not more than the spacing used for the lane closure.

Full compensation for conforming to the requirements in this section "Public Safety," including furnishing and installing temporary railing (Type K) and temporary crash cushion modules, shall be considered as included in the contract prices paid for the various items of work involved and no additional compensation will be allowed therefor.

### 1.11 Permission to Enter Private Property.

Where work on private property is required, and shown on the plans, a Contractor's permission to enter on private property has been obtained by the City of Novato for the purpose of constructing the improvements as shown on the plans and directed by the City Engineer.

The permission has been granted only to perform the work shown and it states that the Contractor will restore the area in which work is performed to as good or better condition than prior to entry. The Contractor shall fully comply with the terms of the permission to enter private property. The Contractor shall not remove plants, fencing or other improvements adjacent to the work without notifying the property owner in advance. The Contractor shall not use property owners' water or other utilities without their agreement in advance.

### 1.12 Areas for Contractor's Use.

All staging areas shall comply with Section 7-1.04 "PUBLIC SAFETY" as well as Section 13-4.03C(3) Stockpile Management.

The right of way shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the right of way or allow others to occupy the right of way for purposes which are not necessary to perform the required work.

There are no City-owned parcels adjacent to the right of way for the exclusive use of the Contractor within the contract limits.

Residence trailers shall not be allowed within the City right of way.

The Contractor shall secure at his/her own expense any area required for plant sites, storage of equipment or materials, or for other purposes if sufficient area is not available to him within the contract limits, or at the sites designated on the plans outside the contract limits. The Contractor's attention is directed to the Novato Municipal Code and its requirements as to the use of property for a Contractor's storage or staging area. The Contractor shall be responsible to obtain all necessary permits and shall demonstrate to the Engineer that such permits have been obtained before commencing use.

In addition, the Contractor shall provide the City Engineer with a copy of all private property use agreement letters. These letters shall clearly state the specific use of said properties, length of use and form of remuneration (if any). These letters are to be dated and signed by the property owners and the authorized contractor representative.

The Contractor shall remove all equipment, materials, and rubbish from the work areas and other property which he/she occupies and shall leave the areas in a presentable condition in accordance with the provisions in Section 4-1.13, "CLEANUP," of the Standard Specifications.

### 1.13 Sound Control Requirements.

The noise level from the Contractor's operations, between the hours of 9 p.m. and 6 a.m., shall not exceed 86 dBA at a distance of 50 feet. This requirement in no way relieves the Contractor from responsibility for complying with local ordinances regulating noise level.

Said noise level requirement shall apply to all equipment on the job or related to the job including, but not limited to, trucks, transit mixers, or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved, and no additional compensation will be allowed therefor.

#### 1.14 Highway Construction Equipment.

Attention is directed to Section 7-1.02O, "Vehicle Code," of the Standard Specifications and these Project Specifications.

Pursuant to the authority contained in Section 591 of the Vehicle Code, the department has determined that within such areas as are within the limits of the project and are open to public traffic, the Contractor shall comply with all of the requirements set forth in Divisions 11, 12, 13, 14, and 15 of the Vehicle Code. Attention is directed to the statement in Section 591 that this section shall not relieve him/her or any person from the duty of exercising due care. The Contractor shall take all necessary precautions for safe operation of his/her equipment and the protection of the public from injury and damage from such equipment.

#### 1.15 Insurance Requirements.

Section 7-1.06 "INSURANCE" of the Standard Specifications is hereby deleted in its entirety and replaced as follows:

The City of Novato and all officers and employees thereof connected with the work including, but not limited to, the City Manager and the Engineer, shall not be answerable or accountable for any loss or damage that may happen to the work or any part thereof; for any loss or damage to any of the materials or other things used or employed in performing the work; for injury to or death of any person, either workers or the public; or for damage to property from any cause which might have been prevented by the Contractor, or his/her workers, or anyone employed by him/her, except as otherwise provided by law.

The Contractor shall be responsible for any liability imposed by law and for injuries to or death of any person except as otherwise provided by law including, but not limited to, workers and the public, or damage to property resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or at any time before its completion and final acceptance.

The Contractor shall indemnify and save harmless the City of Novato and all officers and employees thereof connected with the work including, but not limited to, the City Manager and the Engineer from all claims, suits, or actions of every name, kind, and description brought forth, or on account of, injuries to or death of any person including, but not limited to, workers and the public, or damage to property resulting from the performance of a contract, except as otherwise provided by law. The duty of the Contractor to indemnify and save harmless includes the duties to defend as set forth in the Section 2778 of the Civil Code.

With respect to third party claims against the Contractor, the Contractor waives any and all rights to any type of express or implied indemnity against the City, its officers, or employees.

It is the intent of the parties that the Contractor will indemnify and hold harmless the City, its officers, and employees from any and all claims, suits, or actions as set forth above regardless of the existence or degree of fault or negligence on the part of the City, the Contractor, the subcontractor, or employee of any of these, other than the active negligence of the City, its officers, and employees, to the full extent permitted by law.

Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees, or subcontractors. The cost of such insurance shall be included in the Contractor's bid.

Contractor's insurance shall be as follows:

1. Minimum Scope of Insurance: Coverage shall be at least as broad as the following:
  - A. Insurance Services Office Commercial General Liability coverage, "Occurrence" Form CG 20 10 11 85, or (if not available) both ISO Forms CG 20 10 10 01 and CG 20 37 10 01 covering Comprehensive General Liability and Insurance Services Office Form GL 0404 covering Broad Form Comprehensive General Liability.
  - B. Insurance Services Office Business Auto Coverage Form CA 0001 0187 covering Automobile Liability, Code 1 "any auto," and Endorsement CA 0029 1288, Changes in Business Auto and Truckers Coverage Forms - Insured Contract.
  - C. Workers' Compensation insurance as required by the Labor Code of the State of California and Employers Liability insurance.
2. Minimum Limits of Insurance: Contractor shall maintain limits no less than:
  - A. **General Liability**: \$5,000,000 combined single limit per occurrence for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location, or the general aggregate limit shall be twice the required occurrence limit.
  - B. **Automobile Liability**: \$2,000,000 combined single limit per accident for bodily injury and property damage.
  - C. **Workers' Compensation and Employers Liability**: Workers' Compensation limits as required by the Labor Code of the State of California and Employers Liability limits of \$1,000,000 per accident.
3. Deductibles and Self-Insured Retentions: Deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees, and volunteers, or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration, and defense expenses.

4. Other Insurance Provisions: The policies are to contain, or be endorsed to contain, the following provisions:
- A. **General Liability and Automobile Liability Coverages**:
- 1) The City, its officers, officials, employees, and volunteers are to be covered as insured as respects: Liability arising out of activities performed by or on behalf of the Contractor, including the insured's general supervision of the Contractor; products and completed operations of the Contractor; premises owned, occupied, or used by the Contractor; or automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the City, its officers, officials, employees, or volunteers.
  - 2) The Contractor's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be in excess of the Contractor's insurance and shall not contribute with it.
  - 3) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its officers, officials, employees or volunteers.
  - 4) The 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.
- B. **Workers' Compensation and Employers Liability Coverage**: The insurer shall agree to waive all rights of subrogation against the City, its officers, officials, employees, and volunteers for losses arising from work performed by the Contractor for the City.
- C. **All Coverages**: Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.
5. Acceptability of Insurers: Insurance is to be placed with insurers with a Best's rating of no less than A:VII.
6. Verification of Coverage: Contractor shall furnish the City with certificates of insurance and with original endorsements effecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the forms provided by the City, samples of which are attached to these Project Specifications.

Whereby statute the City's workers compensation-related forms cannot be used, equivalent forms approved by the Insurance Commissioner are to be substituted.

If the Contractor elects not to use the forms provided by the City for any other reason, the Contractor shall be responsible for paying the City Attorney's fees to verify coverage and the Contractor shall allow a minimum of five (5) working days for the City Attorney to verify coverage.

All certificates and endorsements are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies at any time.

7. Subcontractors: Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

The Contractor shall be responsible for any liability imposed by law and for injuries to or death of any person including, but not limited to, workers and the public, or damage to property, and shall indemnify and save harmless any county, city, or district, its officers, and employees connected with the work within the limits of which county, city, or district the work is being performed hereunder, all in the same manner and to the same extent as provided above for the protection of the City of Novato and all officers and employees thereof connected with the work, except that no retention of money due the Contractor under and by virtue of the contract will be made by the City of Novato pending disposition of suits or claims for damages brought against the said county, city, or district, except as otherwise required by law.

Nothing in the contract is intended to create the public or any member thereof a third party beneficiary hereunder, nor is any term and condition or other provision of the contract intended to establish a standard of care owed to the public or any member thereof.

#### 1.16 Prevailing Wage and DIR Compliance.

The contractor shall be registered pursuant to 1725.5 of the Labor Code to 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 public work contract that is subject to the requirements of this chapter. For the purposes of this section, "contractor" includes a subcontractor as defined by Section 1722.1.

Pursuant to the provisions in Section 1771.1 of the Labor Code a contractor or subcontractor shall not be qualified to engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

Pursuant to the provisions in Section 1771.4 of the Labor Code the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations (DIR). The Contractor shall post job site notices, as prescribed by regulation. The prime contractor and each subcontractor shall furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner:

1. At least monthly.
2. In a format prescribed by the Labor Commissioner.

The wages set forth in the General Prevailing Wage Rates for this project are available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov>

The General Prevailing Wage Rates for this project shall be those attached to Section 00 73 43.

Attention is directed to the Federal minimum wage rate requirements attached to these Special Provisions. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate which most closely approximates the duties of the employees in question.

#### 1.17 Water Conservation.

Attention is directed to the various sections of the Standard Specifications and these Project Specifications which require the use of water for the construction of this project. Attention is also directed to the provisions of Section 7, "LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC," of the Standard Specifications with regards to the Contractor's responsibilities for public convenience, public safety, preservation of property, and responsibility for damage.

Nothing in this section, "Water Conservation," shall be construed as relieving the Contractor from furnishing an adequate supply of water required for the proper construction of this project in accordance with the Standard Specifications or these Project Specifications, or relieving the Contractor from the legal responsibilities defined in said Section 7.

The Contractor shall, whenever possible and not in conflict with the above requirements, minimize the use of water during construction of the project. Watering equipment shall be kept in good working order; water leaks shall be repaired promptly; and washing of equipment, except when necessary for safety or for the protection of equipment, shall be discouraged.

Concrete slope protection, concreted-rock slope protection, minor structures, and miscellaneous concrete construction shall not be cured by using water. The water cure for bridge decks shall be accomplished with the use of a moisture retaining medium as described in Section 90-1.03B(2),

“Water Method,” of the Standard Specifications.

When ordered by the Engineer, a dust palliative conforming to the provisions of Section 18, “DUST PALLIATIVE,” of the Standard Specifications shall be used to control dust on this project. Dust palliative ordered by the Engineer will be paid for as extra work in accordance with Section 4-1.05, “CHANGES AND EXTRA WORK,” of the Standard Specifications.

#### 1.18 Performance of Subcontractors

The subcontractors listed by you in the Project Specifications shall list therein the name and address of each subcontractor to whom the bidder proposes to subcontract portions of the work in an amount in excess of one-half of one percent of the total bid or \$10,000, whichever is greater, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code. The bidder’s attention is invited to other provisions of the Act related to the imposition of penalties for a failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.

#### 1.19 Subcontracting.

Attention is directed to the provisions of the Standard Specifications, Section 2, “BIDDING,” Section 3, “CONTRACT AWARD AND EXECUTION,” and elsewhere in these Project Specifications. Pursuant to the provisions in Section 1777.1 of the Labor Code, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a subcontractor on a public works project. This list of debarred contractors is available from the DIR website: [http://www.dir.ca.gov/dir/Labor\\_law/DLSE/Debar.html](http://www.dir.ca.gov/dir/Labor_law/DLSE/Debar.html).

#### 1.20 Prompt Progress Payment to Subcontractors:

Attention is directed to the provisions in Sections 10262 and 10262.5 of the Public Contract Code and Section 7108.5 of the Business and Professions Code concerning prompt payment to subcontractors.

#### 1.21 Prompt Payment of Withheld Funds to Subcontractors:

The Contractor shall return all moneys withheld in retention from the subcontractor within 30 days after receiving payment for work satisfactorily completed. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the Contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the Contractor or deficient subcontract performance or noncompliance by a subcontractor.

#### 1.22 Partnering:

The State shall promote the formation of a "Partnering" relationship with the Contractor in order to effectively complete the contract to the benefit of both parties. The purpose of this relationship shall be to maintain cooperative communication and mutually resolve conflicts at the lowest possible management level.

The Contractor may request the formation of such a "Partnering" relationship by submitting a request in writing to the Engineer after approval of the contract. If the Contractor's request for "Partnering" is approved by the Engineer, scheduling of a "Partnering" workshop, selecting the "Partnering" facilitator and workshop site, and other administrative details shall be as agreed to by both parties.

The costs involved in providing a facilitator and a workshop site will be borne equally by the State and the Contractor. The Contractor shall pay all compensation for the wages and expenses of the facilitator and of the expenses for obtaining the workshop site. The State's share of such costs will be reimbursed to the Contractor in a change order written by the Engineer. Markups will not be added. All other costs associated with the "Partnering" relationship will be borne separately by the party incurring the costs.

The establishment of a "Partnering" relationship shall not change or modify the terms and conditions of the contract and shall not relieve either party of the legal requirements of the contract.

#### 1.23 Overtime and Weekend Work.

City of Novato inspection personnel shall be available as required during normal working hours from Monday through Friday with every other Friday off. In the event that Contractor wishes to schedule overtime work after 5 p.m. or before 8 a.m. on Monday through Friday, or the alternate Friday off, or at any time on Saturdays, Sundays, or holidays, he/she shall make arrangements with the City Engineer at least two (2) working days in advance of such overtime work. The Contractor shall be responsible for the City's actual cost to perform inspection beyond a standard workday. At the Contractor's option, the actual cost shall either be deducted from an advance or from the Contractor's monthly progress payment. In the event the City Engineer is unable to schedule the necessary personnel, the Contractor's request may be denied and no work shall be performed outside of normal working hours unless the work is of an emergency nature.

The engineering department is closed during overtime work: requests for information shall not be answered, and delay claims for occurrences during overtime work shall not be accepted.

#### 1.24 Suspension of Work.

In addition to the requirements specified in Section 8-1.06, "SUSPENSIONS," of the Standard Specifications, the following shall apply:

*SUSPENSIONS OF WORK ORDERED BY THE ENGINEER. If the performance of all or any portion of the work is suspended or delayed by the Engineer in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry), and the Contractor believes that additional compensation or contract time or additional compensation and contract time is due as a result of such suspension or delay, the Contractor shall submit to the Engineer in writing a request for adjustment within seven (7) calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.*

*Upon receipt, the Engineer shall evaluate the Contractor's request. If the Engineer agrees that the cost or time or cost and time required for the performance of the contract has increased as a result of such suspension, and the suspension was caused by conditions beyond the control of and not the fault of the Contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the Engineer shall make an adjustment (excluding profit) and modify the contract in writing accordingly. The Engineer shall notify the Contractor of his determination whether or not an adjustment of the contract is warranted.*

*No contract adjustment shall be allowed unless the Contractor has submitted the request for adjustment within the time prescribed.*

*No contract adjustment shall be allowed under the provisions specified in this section to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided for or excluded under any term or condition of this contract.*

1.25 Final Pay Quantities.

Per Section 9-1.02C, Final Pay Item Quantities, of the Standard Specifications.

1.26 Payments.

Attention is directed to Section 9-1.17, "PAYMENT AFTER CONTRACT ACCEPTANCE," of the Standard Specifications and these Project Specifications.

No partial payment shall be made for any materials on hand which are furnished but not incorporated in the work.

1.27 Payment of Withheld Funds.

Section 9-1.16F, "Retentions," of the Standard Specifications is amended to read:

*Per Public Contract Code, 5% retention shall be withheld from each progress payment.*

*Upon the Contractor's request, securities may be substituted for monies withheld. Substitution of securities shall be according to the provisions of Section 22300 of the Public Contract Code.*

1.28 Payment After Acceptance.

The Contractor's attention is directed to Section 9-1.17, "PAYMENT AFTER CONTRACT ACCEPTANCE," of the Standard Specifications.

Payment of the amount retained per Section 9-1.16F, "Retentions," of the Standard Specifications shall not be due and payable until thirty-five (35) days after the recording of the Notice of Completion on the Office of the Marin County Recorder.

1.29 Resolution of Claims.

Section 5-1.43 "POTENTIAL CLAIMS AND DISPUTE RESOLUTION" of the Standard Specifications is deleted and replaced in its entirety with the following:

*All claims shall be resolved in the manner set forth by Article 1.5 of Chapter 1 of Part 3 of Division 2 of the Public Contracts Code (commencing with Section 20104), which is incorporated by this reference into this section. The Contractor is directed to Sections 20104 et seq. of the Public Contract Code for a complete description of the procedures, timelines, and requirements that shall be applied to any claim made by the Contractor. Pursuant to Section 20104(c) of the Public Contracts Code, the following is a summary of the provisions that shall apply to claims made by the Contractor: The Contractor shall file a claim with the City if the claim is no greater than \$375,000. The City shall provide a written response to the claim. The Contractor may request an informal meet and confer conference with the City. If after the meet and confer conference is completed the claim still remains in dispute, the Contractor may file a claim under Chapter 1*

*(commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. Subsequent to the filing of a civil action to resolve the claim, the court shall submit the matter to nonbinding mediation, unless the parties stipulate otherwise. If the claim does not resolve, the case shall be submitted to judicial arbitration.*

### 1.30 Notice of Potential Claim.

Section 5-1.43, "POTENTIAL CLAIMS AND DISPUTE RESOLUTION" of the Standard Specifications, deleted per section 1.29, above is further amended to read:

*The Contractor shall not be entitled to the payment of any additional compensation for any act, or failure to act, by the Engineer, including failure or refusal to issue a change order, or for the happening of any event, thing, occurrence, or other cause, unless he shall have given the Engineer due written notice of potential claim as hereinafter specified.*

*The written notice of potential claim shall be submitted to the Engineer prior to the time that the Contractor performs the work giving rise to the potential claim for additional compensation, if based on an act or failure to act by the Engineer, or in all other cases within 15 days after the happening of the event, thing, occurrence, or other cause, giving rise to the potential claim.*

*The written notice of potential claim shall be submitted on Form CEM-6201 furnished by the Department and shall be certified with reference to the California False Claims Act, Government Code Sections 12650 – 12655. The notice shall set forth the reasons for which the Contractor believes additional compensation will or may be due and the nature of the costs involved. Unless the amount of the potential claim has been stated in the written notice, the Contractor shall, within **15 days** of submitting said notice, furnish an estimate of the cost of the affected work and impacts, if any, on project completion. Said estimate of costs may be changed or updated by the Contractor when conditions have changed. When the affected work is completed, the Contractor shall submit substantiation of his actual costs. Failure to do so shall be sufficient cause for denial of any claim subsequently filed on the basis of said notice of potential claim.*

*It is the intention of this Section that differences between the parties arising under and by virtue of the contract be brought to the attention of the Engineer at the earliest possible time in order that such matters may be settled, if possible, or other appropriate action promptly taken. The Contractor hereby agrees that he shall have no right to additional compensation for any claim that may be based on any such act, failure to act, event, thing or occurrence for which no written notice of potential claim as herein required was filed.*

*Should the Contractor, in connection with or subsequent to the assertion of a potential claim, request inspection and copying of documents or records in the possession of the Department that pertain to the potential claim, Contractor shall make its records of the project, as deemed by the Department to be pertinent to the*

*potential claim, available to the Department for inspection and copying.*

*The basis for settlement of any delay claims shall be agreed at the time a contract change order is executed.*

### 1.31 Submittal Procedures

The Contractor shall provide for action and informational submittals in accordance with Section 5-1.23 of the Standard Specifications.

Action submittals include:

1. Shop drawings
2. Product data
3. Samples
4. Test samples
5. Quality control plans
6. Work plans
7. Material sources
8. Test data, test results, and evaluation reports

Informational submittals include:

1. Assignments
2. Certificates of compliance
3. Manufacturer instructions not associated with drawing submittals
4. Notifications

The Contractor shall develop and maintain a sequential list of submittals except for samples, test samples, and material sources. Submit the initial Submittal List at the Preconstruction Conference. With each individual submittal, submit a copy of the updated list. Submit an action submittal before the start of the affected work to allow for review and corrections without work delays.

Except for test samples, obtain the Engineer's authorization for action submittals before you perform work based on them. Except for shop drawings and test samples, allow 10 working days for review.

The time allowed for the review of a submittal starts when the Engineer receives the submittal. If the last day for submitting a document falls on a Saturday or holiday, it may be submitted on the next business day with the same effect as if it had been submitted on the day specified. Do not change the scope of work on revised submittals. The Engineer's authorization of a submittal does not void any Contract requirement.

### 1.32 Order of Work

Order of work shall conform to the provisions in Section 5, "CONTROL OF WORK," of the Standard Specifications and these Project Specifications.

### 1.33 Suspension of the Work

The Engineer shall have the authority to suspend the work wholly or in part as specified in Section 8-1.06, "SUSPENSIONS," of the Standard Specifications.

If the Engineer orders a suspension of all of the work or a portion of the work which is the current controlling operation or operations due to unsuitable weather or to such other conditions as are considered unfavorable to the suitable prosecution of the work, the days on which the suspension is in effect shall not be considered working days as defined in Section 8-1.07B, "Time Adjustments"

#### 1.34 Cooperation

There is no scheduled City Maintenance work in the project areas. However, if work is required, City Maintenance will arrange their work to provide as little disruption as possible to accommodate the Contractor to the extent that the Contractor provides a schedule of operation. The Contractor shall not be entitled to additional compensation as a result of City Maintenance working in project limits.

#### 1.35 Construction Staking

Contractor shall notify the Engineer two (2) working days in advance when construction stakes are required.

The Contractor is fully responsible for construction layout of all improvements shown. City will mark all HMA dig-out locations and paving limits/conforms. City will provide centerline and sawcut locations only for all new curb ramps and sawcut lines only for all other concrete work. It is the contractor's responsibility to provide adequate control points when removing and replacing curb and gutter especially to reestablish existing curvatures and elevations.

The contractor is responsible for monumenting existing striping and markings to facilitate replacement, where new layout is not shown.

#### **Measurement and Payment**

Contractor's construction staking will not be measured for payment. All costs associated with layout and staking of the improvements and costs associated with monumenting existing striping and markings shall be considered included in the unit bid price for the associated work item.

#### 1.36 Temporary Water Pollution Control

Temporary water pollution control shall consist of, but not be limited to, constructing such facilities and taking such measures as are necessary to prevent, control, and abate water, mud, and erosion damage to public and private property and waterways (receiving waters), as well as dischargers of non-storm water pollutants as a result of the construction of this project.

Conformance with the requirements of this section shall in no way relieve the Contractor from his responsibilities as provided in Section 5-1.36, "Property and Facility Preservation," and Section 5-1.39, "Damage Repair and Restoration," of the 2018 Standard Specifications.

The project limits of work and ground disturbance totals less than one acre in size and therefore it is not subject to the state-wide Construction General Permit (NPDES General Permit for Discharges of Storm Water associated with Construction Activity, Order No. 2009-0009-DWQ). However, the project is subject to the requirements of the MS4 Phase II General Permit (NPDES

Waste Discharge Requirements from Small Municipal Separate Storm Sewer Systems, MS4s, Order No. 2013-0001-DWQ), the requirements in Section 13-4 “Job Site Management” of the 2018 Standard Specifications, and these Project Specifications shall apply to temporary water pollution control work. In addition, the Contractor shall implement Best Management Practices (BMPs) for storm water pollution prevention and dischargers to receiving waters (creeks, drainages, or other waterways).

The Contractor shall prepare and submit an Erosion and Sediment Control Plan (ESCP) as part of their overall water pollution control program. An ESCP Template is provided at the end of these Project Specifications. The ESCP shall include the Contractor's plans for erosion and sediment control measures for all phases of the work. At a minimum, the water pollution control program shall include and provide for the following:

1. Monitoring of the National Weather Service’s forecast on a daily basis;
2. Protection of the work area from rainfall expected from a storm generating 0.1” of rain within a 24 hour period;
3. The Contractor's plans to control water pollution resulting from erosion and siltation on and from the project work area(s);
4. The Contractor's plans for installation, maintenance, repair, and removal of erosion and sediment BMPs and an overall implementation schedule;
5. The Contractor’s plans for temporary tracking controls;
6. The Contractor’s plans for good housekeeping measures including vehicle and equipment fueling and maintenance; materials management, including delivery and storage; stockpile management; waste management; concrete finishing, curing and waste, including temporary concrete washouts if used; sanitary waste; liquid waste; illicit connection and illegal discharge detection and reporting;
7. A weekly visual inspection of the Contractor’s water pollution control program including the condition and effectiveness of installed storm water and non-storm water BMPs, signs of spills or leaks, storm water discharge locations, and receiving waters.
8. A Spill Prevention and Control Plan that implements spill and leak prevention procedures for chemicals and hazardous substances stored on the job site.
9. Training of Contractor and subcontractor field staff, including the proper installation of BMPs, especially materials handling and waste management (ex. concrete washout), good housekeeping practices, and illicit discharge requirements. Contractor shall provide documentation demonstrating that field personnel have received training.

The use of temporary or permanent erosion and sediment control BMP products that contain plastic monofilament netting shall not be allowed.

By October 1 of each year, if the project is still in progress, such temporary erosion control features as are necessary to prevent damage during the forthcoming winter season shall be constructed and functioning. If the earthwork in any area has not progressed to a point where all or part of the facilities on the temporary erosion control plans for that area can be constructed, the Contractor shall construct such supplementary temporary erosion control facilities as are necessary to protect adjacent private and public property.

From October 1 to May 1 (if needed):

- A. Special attention will be required to protect areas which have been cleared and grubbed prior to excavation operations, and which are subject to runoff during the period from October 1 to May 1. Temporary measures may include, but shall not be limited to: installing gravel bags at drainage inlets, installing fiber rolls, jute netting, and filter fabric fences, covering stockpiles, preventing soil contact by construction materials, covering all trash containers, providing secondary containment for all fuel tanks and sanitary facilities, and creating temporary desilting basins.
  
- B. After each storm, erosion controls shall be checked against their design capacity and, if necessary, silt and sediment shall be removed to restore capacity.

### **Measurement and Payment**

The lump sum price paid for “**Temporary Water Pollution Control**” shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for completing all the work involved in Temporary Water Pollution Control, including ESCP preparation and approval, monitoring and reporting, as specified in the Standard Specifications and these Project Specifications and as directed by the Engineer.

Full compensation for any extra cost involved in performing planned permanent water pollution control and erosion control to act as temporary water pollution control and temporary erosion control shall be considered as included in the contract prices paid for the various items of work involved and no additional compensation shall be allowed therefor.

#### 1.37 Preservation of Property

Attention is directed to the provisions in Section 5-1.36, “Property and Facility Preservation,” of the 2018 Standard Specifications and these Project Specifications.

Wherever the Contractor’s operations obliterate existing pavement delineation (lane lines, pavement markers or painted lane lines or both), such pavement delineation shall be replaced before opening the traveled way to public traffic. Temporary delineation shall consist of reflective traffic line tape applied in six pieces not less than 4 inches long nor less than 6 inches wide at 6-foot centers or a painted 4-foot solid double yellow stripe. Reflective traffic line tape shall be applied in accordance with the manufacturer’s instructions. Temporary delineation shall be the same color as the permanent delineation.

Existing trees, shrubs, and other plants, that are not to be removed and are injured or damaged by reason of the Contractor’s operations, shall be replaced by the Contractor in accordance with the

requirements in Section 5-1.36E, "Landscape," of the 2018 Standard Specifications and the following:

*The minimum size of tree replacement shall be 24-inch box and the minimum size of shrub replacement shall be 15 gallon. Replacement ground cover plants shall be from flats and shall be planted 12 inches on center.*

Replacement planting of injured or damaged trees, shrubs, and other plants shall be completed within ten working days of said damage or removal. Replacement plants shall be watered as necessary to maintain the plants in a healthy condition.

Damaged irrigation systems shall be repaired within 48 hours. Contractor is responsible for watering areas affected by inoperable irrigation systems.

Damaged or injured plants shall be removed and disposed of outside the highway right-of-way in accordance with the provisions in Section 5-1.36E of the 2018 Standard Specifications.

Replacement of turf /grass areas damaged by the contractor's operations shall be replaced with topsoil and nursery sod within ten days of damage.

### **Measurement and Payment**

Full compensation for preservation of property shall be considered as included in the various contract prices paid for the items of work and no additional compensation shall be allowed therefore.

#### 1.38 Dust Control

Dust control shall conform to the provisions in Section 10-5, "Dust Control," of the 2018 State Standard Specifications. Dust control procedures including frequency of application and scheduling shall be addressed in the Contractor's Erosion and Sediment Control Plan.

### **Measurement and Payment**

Full compensation for dust control shall be included in the lump sum price paid for "**Temporary Water Pollution Control**" and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for controlling dust as specified in the 2018 Standard Specifications. these Project Specifications and as directed by the Engineer.

#### 1.39 Watering

Watering shall conform to the provisions in Section 10-6, "Watering," of the 2018 Standard Specifications.

If the Contractor uses non-potable water on the project, the sources and discharge of non-potable water shall meet the California Department of Health Services water reclamation criteria and the Regional Water Quality Control Board requirements. The Contractor shall obtain either a wastewater discharge permit or a waiver from the Regional Water Quality Control Board. Copies of permits or waivers from the Regional Water Quality Control Board shall be delivered to the Engineer before using non-potable water on the project.

Non-potable water, if used, shall not be conveyed in tanks or drainpipes which will be used to convey potable water. There shall be no connection between non-potable water supplies and potable water supplies. Non-potable water supply, tanks, pipes, and any other conveyances of non-potable water shall be labeled:

## **NONPOTABLE WATER DO NOT DRINK**

Water taken from hydrants requires a meter from the North Marin Water District. The Contractor is fully responsible for making all arrangements with the District, including all deposits and payments for the same.

### **Measurement and Payment**

Full compensation for Watering shall be considered as included in the prices paid for the various contract items requiring water, and no separate payment shall be made therefore.

#### 1.40 Signing and Delineation Materials

A Certificate of Compliance shall be furnished as specified in Section 6-2.03C, "Certificates of Compliance," of the Standard Specifications for signing and delineation materials and products. Said certificate shall also certify that the signing and delineation material or product conforms to the prequalified testing and approval of the Department of Transportation, Division of Traffic Operations, and was manufactured in accordance with the approved quality control program.

#### 1.41 Construction Project Funding Identification Signs.

Before any major physical construction work readily visible to street users is started on this contract, the Contractor shall erect construction project funding identification signs at the locations designated by the Engineer.

The signs shall be kept clean and in good repair by the Contractor.

1. The project funding identification signs shall be provided by the City.
2. The Contractor shall provide posts and pick up signs and erect them at locations designated by the Engineer.
3. Upon completion of the work, these signs shall be removed and delivered to the City Corporation Yard, 550 Davidson Street, Novato.

### **Measurement and Payment**

Full compensation for erecting, maintaining, removing and delivering of the construction project funding identification signs shall be considered as included in the contract lump sum price paid for construction area signs, and no additional compensation shall be allowed therefor.

#### 1.42 Obstructions and Existing Facilities.

Attention is directed to Section 15 EXISTING FACILITIES, of the Standard Specifications and these Project Specifications.

The Contractor's attention is directed to the existence of certain underground facilities that may require special precautions be taken by the Contractor to protect the health, safety, and welfare of workmen and of the public. Facilities requiring special precautions include, but are not limited to, conductors of petroleum products, oxygen, chlorine, and toxic or flammable gases; natural gas in

pipelines greater than 6 inches in diameter or pipelines operating at pressures greater than 60 psi (gage); underground electric supply system conductors or cables, with potential to ground of more than 300 volts, either directly buried or in duct or conduit which do not have concentric grounded conductors or other effectively grounded metal shields or sheaths.

If such facilities are not located on the plans in both alignment and elevation, no work shall be performed in the vicinity of said facilities, except as provided herein for conduit to be placed under pavement, until the owner, or his representative, has located the facility by potholing, probing, or other means that will locate and identify the facility. Any conduit to be installed under pavement in the vicinity of such facilities shall be placed by the trenching method as specified in section entitled Structure Excavation elsewhere in these Special Provisions. If, in the opinion of the Engineer, the Contractor's operations are delayed or interfered with by reason of the utility facilities not being located by the owner or his representative, the City shall compensate the Contractor for such delays to the extent provided in Section 8-1.07, DELAYS, of the Standard Specifications, and not otherwise, except as provided in Section 15, EXISTING FACILITIES, of the Standard Specifications.

The Contractor shall notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least eight (8) working days, but not more than fourteen (14) calendar days, prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire, or other structure. Regional notification centers include but are not limited to the following:

Notification Center	Telephone
Underground Service Alert Northern California (USA)	811

PG&E Gas	1-800-743-5000
PG&E Electric	1-800-743-5000
North Marin Water District (NMWD)	1-415-897-4133
Novato Sanitary District	1-415-892-1694
AT&T Core Network	1-415-282-7825
Verizon	1-209-239-0370
Horizon Cable	1-415-663-9610
Marin Municipal Water District	1-415-924-4600
Comcast Cable TV	1-707-759-4070

The following utility facilities shall be relocated during the progress of the contract. The Contractor shall notify the Engineer in writing prior to doing any work in the vicinity of the facility. The utility facility shall be relocated within the listed working days after said notification is received by the Engineer, or prior to the date shown.

Utility	Location	Working Days
COMCAST – adjust manholes and utility vaults	Various	10
NMWD – water valves to be adjusted by NMWD	Various	10
NSD – adjust manholes and cleanouts (as needed during construction)	Various	10
PG&E – adjust gas valve boxes (as needed during construction)	Various	10

In the event that the utility facilities mentioned above are not removed or relocated by the times specified and if, in the opinion of the Engineer, the Contractor’s operations are delayed or interfered with by reason of the utility facilities not being removed or relocated by said times, the City shall compensate the contractor for such delays to the extent provided in Section 8-1.07, DELAYS, of the Standard Specifications, and not otherwise, except as provided in Section 15, EXISTING FACILITIES, of the Standard Specifications.

Where potholing is required to locate existing sewer laterals, the cost of potholing shall be included in the various bid items and no separate payment will be made.

Contractor may remove portions of abandoned utilities that are in conflict with project construction. Prior to removal, Contractor shall verify with the respective utility company that their facility is abandoned.

**Measurement and Payment**

Full compensation for removal of abandoned utilities that are in conflict with project construction work shall be considered as included in the various contract unit prices paid for the items of work and no additional compensation shall be allowed therefor.

Full compensation for Obstructions and Existing Facilities shall be considered as included in the various contract unit prices paid for the items of work and no additional compensation shall be allowed therefor.

1.43 Protection of Existing North Marin Water District Facilities and Customer Laterals.

The Contractor shall observe the following to ensure the safe and continued operation of existing water facilities within the scope of the project.

All joint trench crossings under existing water facilities shall be subject to the inspection and approval of the North Marin Water District. A vertical separation of not less than six inches shall be provided between new conduit and existing water main or service lateral. The Contractor shall backfill to 90 percent compaction the full depth of new trench directly under and over the existing water facility. The Contractor shall use backfill material in accordance with North Marin Water District Specifications, or equal. Contractor shall maintain the new joint trench a minimum horizontal longitudinal distance of five feet between the edge of the joint trench and water facilities. All joint trench crossings shall be at least three feet from concrete thrust blocks.

When metallic with exception to cast iron (copper, steel, etc.) water mains or service laterals are encountered, the Contractor shall prime and wrap said facilities. The primer and wrap shall be supplied by North Marin Water District.

Valves and appurtenances shall be operated by North Marin Water District personnel only.

In case of damage to water mains or service laterals, arising from insufficient compaction or differential settlement of new joint trench as a result of construction by the Contractor, including direct or indirect damage to said water facilities, North Marin Water District will make repairs at the Contractor's expense. All water main shutdowns, repairs, and inspections will be coordinated with the North Marin Water District Construction Superintendent.

During trenching operations, no more than five feet of water main under pressure shall be exposed at any one time. All exposed water mains and service laterals shall be backfilled before the next working day. Steel plates directly over main will not be acceptable. If sewer and water pipe is exposed and in the same trench, the Contractor shall take precautions by constructing a five-foot-thick trench dam between said pipes to minimize any accidental mixing.

It is understood the water facilities shown on project plans are approximate and actual depths and locations must be field verified by the Contractor. The North Marin Water District assumes no responsibility nor guarantees the information. This shall not relieve the Contractor or its agents of damage to said facilities. It is further recognized existing water facilities may not have adequate backfill around its water mains or service laterals. Nevertheless, the Contractor shall use precautionary methods, i.e., hand tools, probe, etc., to expose said facilities.

The Contractor shall also protect from damage existing private customer water laterals from the meter box to the right of way line. The facility shall be replaced or restored to a condition as good as when the Contractor entered upon the work. These laterals locations are not marked on the project plans and may not have imported backfill material surrounding the lateral. Various pipe materials were used for these laterals and could be one of the following polyvinyl chloride (PVC), copper, polyethylene (PE), polybutylene (PB) and galvanized steel.

### **Measurement and Payment**

Full compensation for protection of existing North Marin Water District facilities shall be considered to be included in the contract unit prices paid for the items of work and no additional compensation shall be allowed therefor.

#### 1.44 Protection of Existing Sanitary Sewer Facilities.

The Contractor shall protect existing main sewers and side sewers encountered during joint trench construction per attached drawings of the Novato Sanitary District.

Prior to commencing work on any sanitary sewer facilities, the Contractor shall obtain a No Fee permit from the Novato Sanitary District, 500 Davidson Street, Novato, California.

If the Contractor elects to reconstruct a side sewer rather than protecting existing side sewer, side sewer reconstruction shall be per attached drawing of the Novato Sanitary District. Also, if Contractor elects to reconstruct a side sewer, the Contractor must first obtain a \$40.00 alteration permit from the Novato Sanitary District office. Inspections for side sewer reconstruction shall be made at least 24 hours in advance. If the Contractor damages a side sewer, the Contractor shall obtain a \$15 repair permit prior to repairing the side sewer. Repair inspections can be made in a shorter period of time.

Any work performed on any sewer shall conform to the Novato Sanitary District Standards and Specifications.

### **Measurement and Payment**

Full compensation for protection of existing sanitary facilities shall be considered to be included in the contract unit prices paid for the items of work and no additional compensation shall be allowed therefor.

#### 1.45 ADA Compliance

The Contractor shall ensure that all temporary fences, barriers, pathways, ramps, passageways or similar temporary paths of travel comply with ADA requirements. Special attention should be given to maintaining an accessible path of travel on existing sidewalks or pathways adjacent to or impacted by the work. ADA requirements shall be considered in the development of traffic control plans, demolition plans, erosion and sediment control plans, or similar plans that may impact existing sidewalks, bike paths, parking areas, curb ramps, passageways or temporary paths of travel for pedestrians and bicyclists.

### **Measurement and Payment**

Full compensation for ADA Compliance shall be considered to be included in the contract unit prices paid for the items of work and no additional compensation shall be allowed therefor.

#### 1.46 Final Cleanup

Per Section 4-1.13, "CLEANUP," of the Standard Specifications.

Before final inspection of the work, the Contractor shall clean all the streets, driveways, structures and grounds utilized in connection with the work of all rubbish, markings, excess materials, equipment and all other miscellaneous foreign material indicated by the Engineer.

Nothing herein, however, shall require the Contractor to remove warning, regulatory and guide signs prior to formal acceptance by the City Engineer. Final cleanup shall be identified on the project schedule, and shall be the final scheduled work task.

### **Measurement and Payment**

Full compensation for Final Cleanup shall be considered as included in the prices paid for various contract items of work and no additional compensation shall be allowed therefor.

**INSURANCE FORMS**  
**(next page)**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

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	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED	INSURER A :	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

**COVERAGES**

CERTIFICATE NUMBER:

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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS  <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/> Y / <input type="checkbox"/> N / A					<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

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

**CERTIFICATE HOLDER****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

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**UNDERWRITER/BROKER/AGENT'S CERTIFICATION**

City:
City Project Identification:
Entity Providing Contractual Services:
Insurer(s):
Best Rating(s):
Name and Title of Underwriter, Broker or Agent completing Certification:

I, the undersigned insurance underwriter, broker or insurance agent, do hereby certify that I have examined the insurance specifications prepared by the City for the above-referenced project and have attached herewith company certificates of insurance and all endorsements specified in the insurance specifications.

I further certify that the coverages provided to the Contractor and described in the certificates of insurance and endorsements conform in all respects to the requirements set forth in the insurance specifications, including, but not limited to, the following considerations:

1. The scope of insurance is at least as broad as the minimum requirements identified in the insurance specifications;
2. The minimum occurrence limits and aggregate limits of insurance are consistent with those set forth in the insurance specifications;
3. All deductibles and/or self-insured retentions have been declared;
4. All required endorsements identified in the insurance specifications have been provided and copies have been attached to the appropriate certificate of insurance.
5. All policies of insurance have been placed with insurers with a current rating from the A.M. Best Company of not less than A:VII;
6. All endorsements have been signed by a person authorized by the insurer to bind coverage on its behalf.

I understand that the City will not authorize the Contractor to initiated work on behalf of the City until this certification has been fully executed and returned to the City.

\_\_\_\_\_  
Name of Company

\_\_\_\_\_  
Signature of Broker

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
Business Phone

**FEDERAL DBE FORMS**

*Bidder's List of Subcontractors (DBE and NON-DBE) (Exhibit 12-B)*

*Local Agency Bidder DBE Commitment (Construction Contracts) Exhibit 15-G*

*DBE Information - Good Faith Effort, Exhibit 15-H*

**Exhibit 12-B Bidder's List of Subcontractor (DBE and Non-DBE) Part 1**

As of March 1, 2015 Contractors (and sub-contractors) wishing to bid on public works contracts shall be registered with the State Division of Industrial Relations and certified to bid on Public Works contracts. Please register at: <https://www.dir.ca.gov/Public-Works/Contractor-Registration.html>

In accordance with Title 49, Section 26.11 of the Code of Federal Regulations, and Section 4104 of the Public Contract Code of the State of California, as amended, the following information is required for each sub-contractor who will perform work amounting to more than one half of one percent (0.5%) of the Total Base Bid or \$10,000 (whichever is greater). **Photocopy this form for additional firms.** Federal Project Number: \_\_\_\_\_

Subcontractor Name and Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Sub-contracted	Contractor License Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts
				DIR Reg Number			
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.

Distribution: 1) Original-Local Agency File 2) Copy-DLAE w/ Award Package

**Exhibit 12-B Bidder's List of Subcontractor (DBE and Non-DBE) Part 2**

In accordance with Title 49, Section 26 of the Code of Federal Regulations, the Bidder shall list all subcontractor who provided a quote or bid but **were not selected** to participate as a subcontractor on this project. **Photocopy this form for additional firms.** Federal Project Number: \_\_\_\_\_

Subcontractor Name and Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Sub-contracted	Contractor License Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts
				DIR Reg Number			
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.

Distribution: 1) Original-Local Agency File 2) Copy-DLAE w/ Award Package



**ADA Notice:** For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

## INSTRUCTIONS – CONSTRUCTION CONTRACT DBE COMMITMENT

### CONTRACTOR SECTION

- 1. Local Agency** - Enter the name of the local agency that is administering the contract.
- 2. Contract DBE Goal** - Enter the contract DBE goal percentage as it appears on the project advertisement.
- 3. Project Location** - Enter the project location(s) as it appears on the project advertisement.
- 4. Project Description** - Enter the project description as it appears on the project advertisement (Bridge Rehab, Seismic Rehab, Overlay, Widening, etc).
- 5. Bidder's Name** - Enter the contractor's firm name.
- 6. Prime Certified DBE** - Check box if prime contractor is a certified DBE.
- 7. Bid Amount** - Enter the total contract bid dollar amount for the prime contractor.
- 8. Total Dollar Amount for ALL Subcontractors** – Enter the total dollar amount for all subcontracted contractors. SUM = (DBEs + all Non-DBEs). Do not include the prime contractor information in this count.
- 9. Total number of ALL subcontractors** – Enter the total number of all subcontracted contractors. SUM = (DBEs + all Non-DBEs). Do not include the prime contractor information in this count.
- 10. Bid Item Number** - Enter bid item number for work, services, or materials supplied to be provided.
- 11. Description of Work, Services, or Materials Supplied** - Enter description of work, services, or materials to be provided. Indicate all work to be performed by DBEs including work performed by the prime contractor's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
- 12. DBE Certification Number** - Enter the DBE's Certification Identification Number. All DBEs must be certified on the date bids are opened.
- 13. DBE Contact Information** - Enter the name, address, and phone number of all DBE subcontracted contractors. Also, enter the prime contractor's name and phone number, if the prime is a DBE.
- 14. DBE Dollar Amount** - Enter the subcontracted dollar amount of the work to be performed or service to be provided. Include the prime contractor if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.
- 15. Total Claimed DBE Participation** - \$: Enter the total dollar amounts entered in the "DBE Dollar Amount" column. %: Enter the total DBE participation claimed ("Total Claimed DBE Participation Dollars" divided by item "Bid Amount"). If the total % claimed is less than item "Contract DBE Goal," an adequately documented Good Faith Effort (GFE) is required (see Exhibit 15-H DBE Information - Good Faith Efforts of the LAPM).
- 16. Preparer's Signature** - The person completing the DBE commitment form on behalf of the contractor's firm must sign their name.
- 17. Date** - Enter the date the DBE commitment form is signed by the contractor's preparer.
- 18. Preparer's Name** - Enter the name of the person preparing and signing the contractor's DBE commitment form.
- 19. Phone** - Enter the area code and phone number of the person signing the contractor's DBE commitment form.
- 20. Preparer's Title** - Enter the position/title of the person signing the contractor's DBE commitment form.

### LOCAL AGENCY SECTION

- 21. Local Agency Contract Number** - Enter the Local Agency contract number or identifier.
- 22. Federal-Aid Project Number** - Enter the Federal-Aid Project Number(s).
- 23. Bid Opening Date** - Enter the date contract bids were opened.
- 24. Contract Award Date** - Enter the date the contract was executed.
- 25. Award Amount** – Enter the contract award amount as stated in the executed contract.
- 26. Local Agency Representative's Signature** - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Contractor Section of this form is complete and accurate.
- 27. Date** - Enter the date the DBE commitment form is signed by the Local Agency Representative.
- 28. Local Agency Representative's Name** - Enter the name of the Local Agency Representative certifying the contractor's DBE commitment form.
- 29. Phone** - Enter the area code and phone number of the person signing the contractor's DBE commitment form.

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**30. Local Agency Representative Title** - Enter the position/title of the Local Agency Representative certifying the contractor's DBE commitment form.

**EXHIBIT 15-H: PROPOSER/CONTRACTOR GOOD FAITH EFFORTS**

Cost Proposal Due Date \_\_\_\_\_ PE/CE

Federal-aid Project No(s). \_\_\_\_\_ Bid Opening Date \_\_\_\_\_ CON

The \_\_\_\_\_ (Agency Name) \_\_\_\_\_ established a Disadvantaged Business Enterprise (DBE) goal of \_\_\_\_\_% for this contract. The information provided herein shows the required good faith efforts to meet or exceed the DBE contract goal.

Proposers or bidders submit the following information to document their good faith efforts within five (5) business days from cost proposal due date or bid opening. Proposers and bidders are recommended to submit the following information even if the Exhibit 10-O1: Consultant Proposal DBE Commitments or Exhibit 15-G: Construction Contract DBE Commitment indicate that the proposer or bidder has met the DBE goal. This form protects the proposer’s or bidder’s eligibility for award of the contract if the administering agency determines that the bidder failed to meet the goal for various reasons, e.g., a DBE firm was not certified at bid opening, or the bidder made a mathematical error.

The following items are listed in the Section entitled “Submission of DBE Commitment” of the Special Provisions, **please attach additional sheets as needed:**

- A. The names and dates of each publication in which a request for DBE participation for this project was placed by the bidder (please attach copies of advertisements or proofs of publication):

Publications	Dates of Advertisement

- B. The names and dates of written notices sent to certified DBEs soliciting bids for this project and the dates and methods used for following up initial solicitations to determine with certainty whether the DBEs were interested (please attach copies of solicitations, telephone records, fax confirmations, etc.):

Names of DBEs Solicited	Date of Initial Solicitation	Follow Up Methods and Dates

C. The items of work made available to DBE firms including those unbundled contract work items into economically feasible units to facilitate DBE participation. It is the bidder's responsibility to demonstrate that sufficient work to facilitate DBE participation in order to meet or exceed the DBE contract goal.

Items of Work	Proposer or Bidder Normally Performs Item (Y/N)	Breakdown of Items	Amount (\$)	Percentage Of Contract

D. The names, addresses and phone numbers of rejected DBE firms, the reasons for the bidder's rejection of the DBEs, the firms selected for that work (please attach copies of quotes from the firms involved), and the price difference for each DBE if the selected firm is not a DBE:

Names, addresses and phone numbers of rejected DBEs and the reasons for the bidder's rejection of the DBEs:

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Names, addresses and phone numbers of firms selected for the work above:

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E. Efforts (e.g. in advertisements and solicitations) made to assist interested DBEs in obtaining information related to the plans, specifications and requirements for the work which was provided to DBEs:

F. Efforts (e.g. in advertisements and solicitations) made to assist interested DBEs in obtaining bonding, lines of credit or insurance, necessary equipment, supplies, materials, or related assistance or services, excluding supplies and equipment the DBE subcontractor purchases or leases from the prime contractor or its affiliate:

G. The names of agencies, organizations or groups contacted to provide assistance in contacting, recruiting and using DBE firms (please attach copies of requests to agencies and any responses received, i.e., lists, Internet page download, etc.):

Name of Agency/Organization	Method/Date of Contact	Results

H. Any additional data to support a demonstration of good faith efforts:

Final Report-Utilization of Disadvantaged Business Enterprises (DBE) and First-Tier Subcontractors

**EXHIBIT 17-F FINAL REPORT-UTILIZATION OF DISADVANTAGED BUSINESS ENTERPRISES (DBE) AND FIRST-TIER SUBCONTRACTORS**

1. Local Agency Contract Number		2. Federal-Aid Project Number		3. Local Agency			4. Contract Completion Date	
5. Contractor/Consultant			6. Business Address			7. Final Contract Amount		
8. Contract Item Number	9. Description of Work, Service, or Materials Supplied	10. Company Name and Business Address	11. DBE Certification Number	12. Contract Payments		13. Date Work Completed	14. Date of Final Payment	
				Non-DBE	DBE			
15. ORIGINAL DBE COMMITMENT AMOUNT \$ _____				16. TOTAL				

List all first-tier subcontractors/subconsultants and DBEs regardless of tier whether or not the firms were originally listed for goal credit. If actual DBE utilization (or item of work) was different than that approved at the time of award, provide comments on an additional page. List actual amount paid to each entity. If no subcontractors/subconsultants were used on the contract, indicate on the form.

<b>I CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND CORRECT</b>							
17. Contractor/Consultant Representative's Signature		18. Contractor/Consultant Representative's Name		19. Phone		20. Date	
<b>I CERTIFY THAT THE CONTRACTING RECORDS AND ON-SITE PERFORMANCE OF THE DBE(S) HAS BEEN MONITORED</b>							
21. Local Agency Representative's Signature		22. Local Agency Representative's Name		23. Phone		24. Date	

DISTRIBUTION: Original – Local Agency, Copy – Caltrans District Local Assistance Engineer. Include with Final Report of Expenditures

**ADA NOTICE:** For individuals with sensory disabilities, this document is available in alternate formats. For information, call (916) 445-1233, Local Assistance Procedures Manual TTY 711, or write to Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

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**INSTRUCTIONS – FINAL REPORT-UTILIZATION OF DISADVANTAGED BUSINESS ENTERPRISES (DBE) AND FIRST-TIER SUBCONTRACTORS**

- 1. Local Agency Contract Number** - Enter the Local Agency contract number or identifier.
- 2. Federal-Aid Project Number** - Enter the Federal-Aid Project Number.
- 3. Local Agency** - Enter the name of the local or regional agency that is funding the contract.
- 4. Contract Completion Date** - Enter the date the contract was completed.
- 5. Contractor/Consultant** - Enter the contractor/consultant's firm name.
- 6. Business Address** - Enter the contractor/consultant's business address.
- 7. Final Contract Amount** - Enter the total final amount for the contract.
- 8. Contract Item Number** - Enter contract item for work, services, or materials supplied provided. Not applicable for consultant contracts.
- 9. Description of Work, Services, or Materials Supplied** - Enter description of work, services, or materials provided. Indicate all work to be performed by DBEs including work performed by the prime contractor/consultant's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
- 10. Company Name and Business Address** - Enter the name, address, and phone number of all subcontracted contractors/consultants. Also, enter the prime contractor/consultant's name and phone number, if the prime is a DBE.
- 11. DBE Certification Number** - Enter the DBE's Certification Identification Number. Leave blank if subcontractor is not a DBE.
- 12. Contract Payments** - Enter the subcontracted dollar amount of the work performed or service provided. Include the prime contractor/consultant if the prime is a DBE. The Non-DBE column is used to enter the dollar value of work performed by firms that are not certified DBE or for work after a DBE becomes decertified.
- 13. Date Work Completed** - Enter the date the subcontractor/subconsultant's item work was completed.
- 14. Date of Final Payment** - Enter the date when the prime contractor/consultant made the final payment to the subcontractor/subconsultant for the portion of work listed as being completed.
- 15. Original DBE Commitment Amount** - Enter the "Total Claimed DBE Participation Dollars" from Exhibits 15-G or 10-O2 for the contract.
- 16. Total** - Enter the sum of the "Contract Payments" Non-DBE and DBE columns.
- 17. Contractor/Consultant Representative's Signature** - The person completing the form on behalf of the contractor/consultant's firm must sign their name.
- 18. Contractor/Consultant Representative's Name** - Enter the name of the person preparing and signing the form.
- 19. Phone** - Enter the area code and telephone number of the person signing the form.
- 20. Date** - Enter the date the form is signed by the contractor's preparer.
- 21. Local Agency Representative's Signature** - A Local Agency Representative must sign their name to certify that the contracting records and on-site performance of the DBE(s) has been monitored.
- 22. Local Agency Representative's Name** - Enter the name of the Local Agency Representative signing the form.
- 23. Phone** - Enter the area code and telephone number of the person signing the form.
- 24. Date** - Enter the date the form is signed by the Local Agency Representative.

## **Insert Prevailing Wage Determinations**

### **Federally Funded Projects**

**(next page)**

NOTE: A contracting agency is responsible for incorporating the applicable wage rate determination into each federally-assisted contract entered into pursuant to competitive bidding procedures. When notice of a change to a wage determination is published in the Federal Register 10 days or more before the opening of bids, the USDOL requires that the new wage determination be incorporated into the contract by amendment.

**Prevailing Wage Rates to be  
added prior to Bid**

"General Decision Number: CA20200007 04/17/2020

Superseded General Decision Number: CA20190007

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 \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any 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 \$10.80 per hour (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 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020

2	01/31/2020
3	03/06/2020
4	03/13/2020
5	04/17/2020

ASBE0016-001 01/01/2020

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.....	\$ 71.16	23.39
Area 2.....	\$ 54.26	23.39

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ASBE0016-007 01/01/2019

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.....	\$ 30.81	22.71
AREA 2.....	\$ 36.53	9.27

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BOIL0549-002 10/01/2016

	Rates	Fringes
BOILERMAKER		
(1) Marin & Solano Counties..	\$ 43.28	37.91
(2) Remaining Counties.....	\$ 39.68	35.71

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BRCA0003-001 08/01/2019

	Rates	Fringes
MARBLE FINISHER.....	\$ 35.41	16.45

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BRCA0003-004 05/01/2019

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.....	\$ 43.24	21.63
AREA 2.....	\$ 45.92	26.70

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) Guniting nozzle person shall receive \$1.25 per hour above the regular rate.

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BRCA0003-008 07/01/2019

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 37.58	17.33
TERRAZZO WORKER/SETTER.....	\$ 48.53	26.84

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BRCA0003-010 04/01/2019

	Rates	Fringes
TILE FINISHER		
Area 1.....	\$ 27.31	14.75
Area 2.....	\$ 27.10	16.50
Area 3.....	\$ 29.94	16.38
Area 4.....	\$ 28.06	15.82
Tile Layer		
Area 1.....	\$ 45.51	17.64
Area 2.....	\$ 45.15	19.06
Area 3.....	\$ 49.90	19.16
Area 4.....	\$ 46.77	19.08

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

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 BRCA0003-014 08/01/2019

	Rates	Fringes
MARBLE MASON.....	\$ 49.42	27.86

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 CARP0034-001 07/01/2019

	Rates	Fringes
Diver		
Assistant Tender, ROV		
Tender/Technician.....	\$ 49.75	33.40
Diver standby.....	\$ 55.73	33.40
Diver Tender.....	\$ 54.73	33.40
Diver wet.....	\$ 99.27	33.40
Manifold Operator (mixed		
gas).....	\$ 59.73	33.40
Manifold Operator (Standby).\$	54.73	33.40

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  
 221 ft.-deeper \$5.00 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.

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 CARP0034-003 07/01/2019

	Rates	Fringes
Piledriver.....	\$ 50.75	33.40

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 CARP0035-001 08/01/2019

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.....	\$ 50.50	30.64
Area 3.....	\$ 45.12	30.64
Area 4.....	\$ 43.77	30.64
Drywall Stocker/Scrapper		
Area 1.....	\$ 25.25	17.86

Area 3.....	\$ 22.56	17.86
Area 4.....	\$ 21.89	17.86

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 CARP0035-009 07/01/2019

Marin County

	Rates	Fringes
CARPENTER		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP0035-010 07/01/2017

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.....	\$ 24.91	19.63
Installer II.....	\$ 22.18	20.42
Lead Installer.....	\$ 29.06	20.92
Master Installer.....	\$ 33.28	20.92
Area 2		
Installer I.....	\$ 22.96	20.42
Installer II.....	\$ 20.01	20.42
Lead Installer.....	\$ 25.93	20.92
Master Installer.....	\$ 29.56	20.92
Area 3		
Installer I.....	\$ 22.01	20.42
Installer II.....	\$ 19.24	20.42
Lead Installer.....	\$ 24.81	20.92
Master Installer.....	\$ 31.83	20.92

CARP0046-001 07/01/2019

El Dorado (West), Placer (West), Sacramento and Yolo Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 44.77	30.20
Journeyman Carpenter.....	\$ 44.62	30.20
Millwright.....	\$ 47.12	31.79

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.

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CARP0046-002 07/01/2019

Alpine, Colusa, El Dorado (East), Nevada, Placer (East),  
Sierra, Sutter and Yuba Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 43.42	30.20
Journeyman Carpenter.....	\$ 42.27	30.20
Millwright.....	\$ 45.77	31.79

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CARP0152-003 07/01/2019

Amador County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		

Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 43.42	30.20
Journeyman Carpenter.....	\$ 43.27	30.20
Millwright.....	\$ 45.77	31.79

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 CARP0180-001 07/01/2019

Solano County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP0751-001 07/01/2019

Napa and Sonoma Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP1599-001 07/01/2019

Butte, Glenn, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama  
 and Trinity Counties

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 43.42	30.20
Journeyman Carpenter.....	\$ 43.27	30.20
Millwright.....	\$ 45.77	31.79

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ELEC0180-001 06/01/2019

NAPA AND SOLANO COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 56.26	24.16
ELECTRICIAN.....	\$ 50.01	23.98

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ELEC0180-003 12/01/2018

NAPA AND SOLANO COUNTIES

	Rates	Fringes
Sound & Communications Installer.....	\$ 38.42	19.70
Technician.....	\$ 44.18	19.88

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.

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN,  
NEVADA, PLACER, PLUMAS, SACRAMENTO, TRINITY, YOLO, YUBA COUNTIES

	Rates	Fringes
Communications System		
Sound & Communications		
Installer.....	\$ 29.35	3%+15.35
Sound & Communications		
Technician.....	\$ 33.75	3%+15.35

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.

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 ELEC0340-003 08/01/2018

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.....	\$ 40.06	28.54
Sierra Army Depot, Herlong..	\$ 48.83	18.54
Tunnel work.....	\$ 41.01	18.54

CABLE SPLICER: Receives 110% of the Electrician basic hourly rate.

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 ELEC0401-005 07/01/2019

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.....	\$ 40.50	19.39
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ELEC0551-004 06/01/2019		

MARIN AND SONOMA COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 51.40	22.83
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ELEC0551-005 12/01/2018		

MARIN & SONOMA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 38.42	20.11
Technician.....	\$ 44.18	20.29

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.

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ELEC0659-006 01/01/2020		

DEL NORTE, MODOC and SISKIYOU COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 36.59	17.39
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ELEC0659-008 02/01/2019

DEL NORTE, MODOC & SISKIYOU COUNTIES

	Rates	Fringes
Line Construction		
(1) Cable Splicer.....	\$ 59.09	20.22
(2) Lineman, Pole Sprayer, Heavy Line Equipment Man....	\$ 52.76	19.96
(3) Tree Trimmer.....	\$ 31.10	11.32
(4) Line Equipment Man.....	\$ 52.76	19.96
(5) Powdermen, Jackhammermen.....	\$ 33.80	13.35
(6) Groundman.....	\$ 33.24	14.79

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ELEC1245-004 01/01/2020

ALL COUNTIES EXCEPT DEL NORTE, MODOC & SISKIYOU

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..	\$ 58.09	19.74
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 46.40	18.55
(3) Groundman.....	\$ 35.47	18.17
(4) Powderman.....	\$ 51.87	18.79

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

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ELEV0008-001 01/01/2020

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 69.78	34.765+a+b

FOOTNOTE:

a. 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.

b. PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

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 ENGI0003-008 07/01/2017

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman.....	\$ 44.77	31.25
(2) Dredge Dozer; Heavy duty repairman.....	\$ 39.81	31.25
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	\$ 38.69	31.25
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	\$ 35.39	31.25
AREA 2:		
(1) Leverman.....	\$ 46.77	31.25
(2) Dredge Dozer; Heavy duty repairman.....	\$ 41.81	31.25
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	\$ 40.69	31.25
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	\$ 37.39	31.25

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: 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: 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: 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

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ENGI0003-018 06/26/2017

""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.....	\$ 44.67	30.39
GROUP 2.....	\$ 43.14	30.39
GROUP 3.....	\$ 41.66	30.39
GROUP 4.....	\$ 40.28	30.39

GROUP 5.....	\$ 39.01	30.39
GROUP 6.....	\$ 37.69	30.39
GROUP 7.....	\$ 36.55	30.39
GROUP 8.....	\$ 35.41	30.39
GROUP 8-A.....	\$ 33.20	30.39

OPERATOR: Power Equipment  
(Cranes and Attachments -  
AREA 1:)

GROUP 1		
Cranes.....	\$ 46.30	30.39
Oiler.....	\$ 36.63	30.39
Truck crane oiler.....	\$ 39.20	30.39
GROUP 2		
Cranes.....	\$ 43.79	30.39
Oiler.....	\$ 36.36	30.39
Truck crane oiler.....	\$ 38.98	30.39
GROUP 3		
Cranes.....	\$ 42.05	30.39
Hydraulic.....	\$ 38.32	30.39
Oiler.....	\$ 36.14	30.39
Truck Crane Oiler.....	\$ 38.71	30.39
GROUP 4		
Cranes.....	\$ 39.01	30.39

OPERATOR: Power Equipment  
(Piledriving - AREA 1:)

GROUP 1		
Lifting devices.....	\$ 45.89	30.39
Oiler.....	\$ 36.63	30.39
Truck crane oiler.....	\$ 39.20	30.39
GROUP 2		
Lifting devices.....	\$ 44.07	30.39
Oiler.....	\$ 36.36	30.39
Truck Crane Oiler.....	\$ 38.98	30.39
GROUP 3		
Lifting devices.....	\$ 42.39	30.39
Oiler.....	\$ 36.14	30.39
Truck Crane Oiler.....	\$ 38.71	30.39
GROUP 4		
Lifting devices.....	\$ 40.62	30.39
GROUP 5		
Lifting devices.....	\$ 39.32	30.39
GROUP 6		
Lifting devices.....	\$ 37.98	30.39

OPERATOR: Power Equipment  
(Steel Erection - AREA 1:)

GROUP 1		
Cranes.....	\$ 46.30	30.39
Oiler.....	\$ 36.63	30.39
Truck Crane Oiler.....	\$ 39.20	30.39
GROUP 2		

Cranes.....	\$ 43.79	30.39
Oiler.....	\$ 36.36	30.39
Truck Crane Oiler.....	\$ 38.98	30.39
GROUP 3		
Cranes.....	\$ 42.05	30.39
Hydraulic.....	\$ 38.32	30.39
Oiler.....	\$ 36.14	30.39
Truck Crane Oiler.....	\$ 38.71	30.39
GROUP 4		
Cranes.....	\$ 39.01	30.39
GROUP 5		
Cranes.....	\$ 35.13	30.39
OPERATOR: Power Equipment (Tunnel and Underground Work - AREA 1:)		
SHAFTS, STOPES, RAISES:		
GROUP 1.....	\$ 40.77	30.39
GROUP 1-A.....	\$ 43.24	30.39
GROUP 2.....	\$ 39.51	30.39
GROUP 3.....	\$ 38.18	30.39
GROUP 4.....	\$ 37.04	30.39
GROUP 5.....	\$ 35.90	30.39
UNDERGROUND:		
GROUP 1.....	\$ 40.67	30.39
GROUP 1-A.....	\$ 43.14	30.39
GROUP 2.....	\$ 39.41	30.39
GROUP 3.....	\$ 38.08	30.39
GROUP 4.....	\$ 36.94	30.39
GROUP 5.....	\$ 35.80	30.39

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 signaller; 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 machine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signaller; 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

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#### 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;

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#### 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

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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

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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

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AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS, TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MARIN, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO, YUBA

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

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

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

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

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ENGI0003-019 07/26/2017

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment		
(LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1.....	\$ 34.05	28.73
AREA 2.....	\$ 36.05	28.73
GROUP 2		
AREA 1.....	\$ 30.45	28.73
AREA 2.....	\$ 32.45	28.73
GROUP 3		
AREA 1.....	\$ 25.84	28.73
AREA 2.....	\$ 27.84	28.73

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

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IRON0377-002 07/01/2019

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 33.58	24.66
Ornamental, Reinforcing and Structural.....	\$ 40.00	33.30

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

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LAB00067-001 01/01/2020

AREA ""A"" - MARIN COUNTY

AREA ""B"" - ALPINE, AMADOR, BUTTE COLUSA EL DORADO, GLENN, LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 24.00	11.30
LABORER (Lead Removal)		
Marin County.....	\$ 31.81	24.61
Remaining Counties.....	\$ 30.81	24.61

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LAB00067-005 06/27/2017

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, SANCREMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SIERRA, SHASTA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person		
Area A.....	\$ 29.54	22.17
Area B.....	\$ 28.54	22.17
Traffic Control Person I		
Area A.....	\$ 29.84	22.17
Area B.....	\$ 28.84	22.17
Traffic Control Person II		
Area A.....	\$ 27.34	22.17
Area B.....	\$ 26.34	22.17

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.

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LAB00185-002 07/01/2018

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.....	\$ 31.20	22.20

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LAB00185-005 06/25/2018

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.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickers - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Guniting & 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

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LAB00185-006 06/25/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, YUBA COUNTIES

Rates Fringes

LABORER (CONSTRUCTION CRAFT LABORERS - AREA B:)

Construction Specialist		
Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 30.01	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20

See groups 1-b and 1-d under laborer classifications.

LABORER (GARDENERS,  
HORTICULTURAL & LANDSCAPE  
LABORERS - AREA B:)

(1) New Construction.....\$ 29.54	23.20
(2) Establishment Warranty Period.....\$ 23.23	23.20

LABORER (GUNITE - AREA B:)

GROUP 1.....\$ 29.75	22.31
GROUP 2.....\$ 29.25	22.31
GROUP 3.....\$ 28.66	22.31
GROUP 4.....\$ 28.54	22.31

LABORER (WRECKING - AREA B:)

GROUP 1.....\$ 29.79	23.20
GROUP 2.....\$ 29.64	23.20

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.

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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 bucket; 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 shall 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 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: Gunitite laborer

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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)

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LAB00185-008 07/01/2018

	Rates	Fringes
Plasterer tender.....	\$ 32.02	23.00
Work on a swing stage scaffold:	\$1.00 per hour additional.	

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LAB00261-002 06/25/2018

MARIN COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 30.54	23.65
Traffic Control Person I....	\$ 30.84	23.65
Traffic Control Person II...	\$ 28.34	23.65

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.

LAB00261-004 06/25/2018

MARIN COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

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

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LAB00261-007 07/01/2018

MARIN AND NAPA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 32.45	22.20

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MARIN COUNTY

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT		
LABORERS - AREA A:)		
Construction Specialist		
Group.....	\$ 31.49	23.20
GROUP 1.....	\$ 30.79	23.20
GROUP 1-a.....	\$ 31.01	23.20
GROUP 1-c.....	\$ 30.84	23.20
GROUP 1-e.....	\$ 31.34	23.20
GROUP 1-f.....	\$ 31.37	23.20
GROUP 2.....	\$ 30.64	23.20
GROUP 3.....	\$ 30.54	23.20
GROUP 4.....	\$ 24.23	23.20
See groups 1-b and 1-d under laborer classifications.		
LABORER (GARDENERS,		
HORTICULTURAL & LANDSCAPE		
LABORERS - AREA A:)		
(1) New Construction.....	\$ 30.54	23.20
(2) Establishment Warranty		
Period.....	\$ 24.23	23.20
LABORER (GUNITE - AREA A:)		
GROUP 1.....	\$ 30.75	22.31
GROUP 2.....	\$ 30.25	22.31
GROUP 3.....	\$ 29.66	22.31
GROUP 4.....	\$ 29.54	22.31
LABORER (WRECKING - AREA A:)		
GROUP 1.....	\$ 30.79	23.20
GROUP 2.....	\$ 30.64	23.20

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.

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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 buckler; 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 shall 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 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".

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#### GUNITE LABORER CLASSIFICATIONS

- GROUP 1: Structural Nozzleman
- GROUP 2: Nozzleman, Gunman, Potman, Groundman
- GROUP 3: Reboundman
- GROUP 4: Gunitite laborer

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#### 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)

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LAB00261-015 07/01/2018

	Rates	Fringes
Plasterer tender.....	\$ 32.02	23.00

Work on a swing stage scaffold: \$1.00 per hour additional.

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LAB00324-004 06/25/2018

NAPA, SOLANO, AND SONOMA, COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 29.54	23.65
Traffic Control Person I...	\$ 29.84	23.65
Traffic Control Person II...	\$ 27.34	23.65

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.

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LAB00324-008 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

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

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 LAB00324-010 07/01/2018

SOLANO AND SONOMA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 31.45	22.20

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 LAB00324-013 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT LABORERS - AREA B:)		
Construction Specialist		
Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 29.84	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 29.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20

See groups 1-b and 1-d under laborer classifications.

LABORER (GARDENERS,  
 HORTICULTURAL & LANDSCAPE  
 LABORERS - AREA B:)

(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty Period.....	\$ 23.23	23.20

LABORER (GUNITE - AREA B:)

GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31

LABORER (WRECKING - AREA B:)

GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

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.

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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 buckler; 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 shall 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 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".

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#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunitite laborer

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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)

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LAB00324-019 07/01/2018

	Rates	Fringes
Plasterer tender.....	\$ 32.02	23.00

Work on a swing stage scaffold: \$1.00 per hour additional.

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PAIN0016-004 01/01/2019

MARIN, NAPA, SOLANO & SONOMA COUNTIES

	Rates	Fringes
Painters:.....	\$ 42.67	24.03

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 hour additional

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PAIN0016-005 01/01/2020

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.....	\$ 47.38	25.99

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PAIN0016-007 01/01/2019

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:.....	\$ 33.68	20.24

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.

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PAIN0016-008 01/01/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 48.60	27.43

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PAIN0169-004 07/01/2019

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.....	\$ 50.62	29.10

\* PAIN0567-001 07/01/2018

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.....	\$ 26.70	13.04
Spray Painter & Paperhanger.	\$ 28.04	13.04

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.

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PAIN0567-007 07/01/2019

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.....	\$ 30.30	14.44

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PAIN0567-010 07/01/2019

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
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Drywall

(1) Taper.....	\$ 33.41	13.63
(2) Steeplejack - Taper, over 40 ft with open space below.....	\$ 34.91	13.63

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PAIN0767-004 07/01/2019

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.....	\$ 39.06	29.31

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 required to wear a body harness shall receive \$1.50  
per hour above the basic hourly rate at any elevation.

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PAIN1176-001 07/01/2019

HIGHWAY IMPROVEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1.....	\$ 37.68	15.38
GROUP 2.....	\$ 32.03	15.38
GROUP 3.....	\$ 32.40	15.38

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

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PAIN1237-001 01/01/2020

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.....	\$ 39.61	22.59
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PLAS0300-003 07/01/2018		

	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.....	\$ 32.70	31.68
AREA 355: Marin.....	\$ 36.73	31.68
AREA 355: Napa & Sonoma Counties.....	\$ 32.70	31.68
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PLAS0300-005 07/01/2017		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 33.49	23.67
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PLUM0038-002 07/01/2019		

MARIN AND SONOMA COUNTIES

	Rates	Fringes
PLUMBER (Plumber, Steamfitter, Refrigeration Fitter)		
(1) Work on wooden frame structures 5 stories or less excluding high-rise buildings and commercial		

work such as hospitals,  
prisons, hotels, schools,  
casinos, wastewater  
treatment plants, and  
research facilities as well  
as refrigeration  
pipefitting, service and  
repair work - MARKET  
RECOVERY RATE.....\$ 74.16                      43.59  
(2) All other work - NEW  
CONSTRUCTION RATE.....\$ 74.16                      43.59

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PLUM0038-006 07/01/2019

MARIN & SONOMA COUNTIES

	Rates	Fringes
Landscape/Irrigation Fitter (Underground/Utility Fitter).....	\$ 63.04	31.48

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PLUM0228-001 01/01/2020

BUTTE, COLUSA, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA,  
SISKIYOU, SUTTER, TEHAMA, TRINITY & YUBA COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 41.25	33.14

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PLUM0343-001 07/01/2019

NAPA AND SOLANO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Light Commercial.....	\$ 30.85	20.40
All Other Work.....	\$ 52.50	37.37

DEFINITION OF LIGHT COMMERCIAL:

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.

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 PLUM0350-001 08/01/2019

EL DORADO COUNTY (Lake Tahoe area only); NEVADA COUNTY (Lake Tahoe area only); AND PLACER COUNTY (Lake Tahoe area only)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 45.84	13.81

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 PLUM0355-001 07/01/2019

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.....	\$ 29.00	15.80

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 PLUM0442-003 01/01/2020

AMADOR (South of San Joaquin River) and ALPINE COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 44.50	31.39

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 PLUM0447-001 07/01/2018

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
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PLUMBER/PIPEFITTER

Journeyman.....	\$ 49.67	25.00
Light Commercial Work.....	\$ 36.23	17.72

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ROOF0081-006 08/01/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
Rofer.....	\$ 40.10	18.88

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ROOF0081-007 08/01/2019

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Rofer.....	\$ 38.28	18.56

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SFCA0483-003 07/29/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 65.52	32.67

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\* SFCA0669-003 04/01/2020

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.....	\$ 40.87	25.77

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SHEE0104-006 07/01/2019

MARIN, NAPA, SOLANO SONOMA & TRINITY COUNTIES

	Rates	Fringes
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Sheet Metal Worker		
Mechanical Contracts		
\$200,000 or less.....	\$ 53.67	44.62
All other work.....	\$ 61.36	46.11

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SHEE0104-009 07/01/2019

AMADOR, COLUSA, EL DORADO, NEVADA, PLACER, SACRAMENTO, SUTTER,  
YOLO AND YUBA COUNTIES

	Rates	Fringes
SHEET METAL WORKER.....	\$ 44.00	39.63

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SHEE0104-010 07/01/2019

ALPINE COUNTY

	Rates	Fringes
SHEET METAL WORKER.....	\$ 41.20	36.84

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SHEE0104-011 07/01/2019

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).....	\$ 44.00	39.63

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SHEE0104-014 07/01/2019

MARIN, NAPA, SOLANO, SONOMA AND TRINITY COUNTIES

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only).....	\$ 42.33	35.30

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SHEE0104-019 07/01/2019

BUTTE, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA, SISKIYOU  
AND TEHAMA COUNTIES

	Rates	Fringes
SHEET METAL WORKER		
Mechanical Jobs \$200,000 & under.....	\$ 33.31	35.30
Mechanical Jobs over \$200,000.....	\$ 44.00	35.30

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TEAM0094-001 07/01/2018

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 31.68	27.86
GROUP 2.....	\$ 31.98	27.86
GROUP 3.....	\$ 32.28	27.86
GROUP 4.....	\$ 32.63	27.86
GROUP 5.....	\$ 32.98	27.86

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); Lowbed 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

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other

health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

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)).

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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.

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#### 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.

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END OF GENERAL DECISION"

DEPARTMENT OF INDUSTRIAL RELATIONS  
Office of the Director  
455 Golden Gate Avenue, 10<sup>th</sup> Floor  
San Francisco, CA 94102  
Tel: (415) 703-5050 Fax: (415) 703-5059/8

MAILING ADDRESS:  
P. O. Box 420603  
San Francisco, CA 94142-0603



February 22, 2009

**IMPORTANT NOTICE TO AWARDING BODIES,  
OTHER INTERESTED PARTIES, AND CD RECIPIENTS  
REGARDING THE GENERAL PREVAILING WAGE DETERMINATIONS FOR THE  
CRAFT OF DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)**

The Department of Industrial Relations ("Department") conducted a wage investigation to determine the prevailing wage rate(s) for the craft of Driver (On/Off-Hauling to/from a Construction Site). Based on the results of this investigation, the Department has issued statewide prevailing wage determinations for the classifications of Dump Truck Driver and Mixer Truck Driver (see pages 2L-1 through 2L-6 and pages 2K-1 through 2K-16, respectively). These determinations will be applicable to public works projects advertised for bids on or after March 4, 2009.

The Department determined that the Dump Truck Driver rates found in the Teamsters Master Labor Agreement for on-site construction also set the prevailing rate for On/Off-Hauling to/from a Construction Site for Marin, Napa, Solano, Sonoma, and Yolo Counties. Based on the results of this investigation, this on-site determination does not apply to any other counties for On/Off-Hauling to/from a Construction Site. To find the applicable rate(s) for the Dump Truck Driver classification in Marin, Napa, Solano, Sonoma, and Yolo Counties, please refer to the prevailing wage determination for the craft of Teamster (Applies only to Work on the Construction Site) found on pages 55, 56, and 56A of the Director's General Prevailing Wage Determinations.

For CD recipients, please note the correction that determination NC-23-261-4-2005-1 for the craft of Driver (On/Off-Hauling to/from a Construction Site), page 59, is no longer applicable to public works projects advertised for bids on or after March 4, 2009. To obtain the current determinations for this craft, please visit our website at <http://www.dir.ca.gov/DLSR/PWD/Statewide.html> on or after March 4, 2009, or contact the Prevailing Wage Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: #ELECTRICAL UTILITY LINEMAN**

**DETERMINATION:** C-61-X-3-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** May 31, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within the State of California, except Del Norte, Modoc, and Siskiyou Counties. (For Del Norte, Modoc and Siskiyou - see page 21)

CLASSIFICATION (Journeyman)	Basic Hourly Rate	Employer Payments				Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Training Payments	Other Payments	Hours	Total Hourly Rate	Daily 2X	Saturday 2X	Sunday and Holiday
# Lineman, Cable Splicer	\$58.09	7.50	<sup>a</sup> 10.21	<sup>b</sup> 0.29	<sup>c</sup> 0.63	8	78.46	139.21	139.21	139.21
Powderman	51.87	7.50	<sup>a</sup> 9.47	<sup>b</sup> 0.26	<sup>c</sup> 0.57	8	71.23	125.47	125.47	125.47
Groundman	35.47	7.50	<sup>a</sup> 9.43	<sup>b</sup> 0.18	<sup>c</sup> 0.40	8	54.04	91.14	91.14	91.14

**DETERMINATION:** C-61-X-4-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** December 31, 2020\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

**LOCALITY:** All localities within the State of California, except Del Norte, Imperial, Inyo, Kern, Kings, Los Angeles, Modoc, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Siskiyou, Tulare, and Ventura Counties. (For Del Norte, Modoc, and Siskiyou – see page 21. For Imperial, Inyo, Kern, Kings, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Tulare, and Ventura Counties – see page 2A-1.

CLASSIFICATION (Journeyman)	Basic Hourly Rate	Employer Payments			Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation/ Holiday	Hours	Total Hourly Rate	Daily 1½X	Saturday 1½X	Sunday/ Holiday 1½X
Pole Restoration Journeyman	\$30.71	5.75	<sup>a</sup> 0.85	0.83	8	39.06	54.88	<sup>c</sup> 54.88	54.88
After 1 year	30.71	5.75	<sup>a</sup> 0.85	1.42	8	39.65	55.47	<sup>c</sup> 55.47	55.47
After 3 years	30.71	5.75	<sup>a</sup> 0.85	2.01	8	40.24	56.06	<sup>c</sup> 56.06	56.06
After 6 years	30.71	5.75	<sup>a</sup> 0.85	2.60	8	40.83	56.65	<sup>c</sup> 56.65	56.65
Senior Technician <sup>d</sup>	19.87	5.75	<sup>a</sup> 0.85	0.53	8	27.60	37.84	<sup>c</sup> 37.84	37.84
After 1 year	19.87	5.75	<sup>a</sup> 0.85	0.91	8	27.98	38.22	<sup>c</sup> 38.22	38.22
After 3 years	19.87	5.75	<sup>a</sup> 0.85	1.29	8	28.36	38.60	<sup>c</sup> 38.60	38.60
After 6 years	19.87	5.75	<sup>a</sup> 0.85	1.68	8	28.75	38.99	<sup>c</sup> 38.99	38.99
Pole Treatment Journeyman	27.44	5.75	<sup>a</sup> 0.85	0.74	8	35.60	49.73	<sup>c</sup> 49.73	49.73
After 1 year	27.44	5.75	<sup>a</sup> 0.85	1.27	8	36.13	50.26	<sup>c</sup> 50.26	50.26
After 3 years	27.44	5.75	<sup>a</sup> 0.85	1.80	8	36.66	50.79	<sup>c</sup> 50.79	50.79
After 6 years	27.44	5.75	<sup>a</sup> 0.85	2.32	8	37.18	51.31	<sup>c</sup> 51.31	51.31
Pole Restoration and Treatment <sup>d</sup>									
Technician (First 6 months)	15.38	5.75	<sup>a</sup> 0.85	0.41	8	22.85	30.77	<sup>c</sup> 30.77	30.77
Technician (After 6 months)	15.75	5.75	<sup>a</sup> 0.85	0.42	8	23.24	31.35	<sup>c</sup> 31.35	31.35

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.

<sup>a</sup> In addition, an amount equal to 3% of the Basic Hourly Rate is added to the Total Hourly Rate and overtime hourly rates for the National Employees Benefit Board.

<sup>b</sup> This amount is factored at the applicable overtime rate.

<sup>c</sup> Saturdays may be scheduled as a make-up day at the regular straight time rate.

<sup>d</sup> The Ratio of Technicians to Journeymen may not exceed 4 to 1. However, if the Journeyman is assisted by a maximum of two Senior Technicians, three additional Technicians may be added per Senior Technician.

<sup>e</sup> Includes \$0.01 to LMCC; the remaining amount is factored at the applicable overtime rate.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: ELECTRICAL UTILITY LINEMAN**

**DETERMINATION:** C-61-X-5-2013-1

**ISSUE DATE:** February 22, 2013

**EXPIRATION DATE OF DETERMINATION:** December 31, 2013\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for new rates after 10 days from the expiration date, if no subsequent determination is issued.

**LOCALITY:** All localities within Imperial, Inyo, Kern, Kings, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Tulare, and Ventura Counties.

CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Employer Payments			Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation/ Holiday	Hours	Total Hourly Rate	Daily 1½X	Saturday 1½X	Sunday/ Holiday 1½X
## Pole Restoration Journeyman	\$26.11	5.00	<sup>a</sup> 0.60	-	8	32.49	45.94	<sup>c</sup> 45.94	45.94
After 6 Months	\$26.11	5.00	<sup>a</sup> 0.60	1.21	8	33.70	47.145	<sup>c</sup> 47.145	47.145
After 3 years	\$26.11	5.00	<sup>a</sup> 0.60	1.86	8	34.35	47.795	<sup>c</sup> 47.795	47.795
After 6 years	\$26.11	5.00	<sup>a</sup> 0.60	2.21	8	34.70	48.145	<sup>c</sup> 48.145	48.145
## Senior Technician <sup>d</sup>	16.89	5.00	<sup>a</sup> 0.60	-	8	23.00	31.70	<sup>c</sup> 31.70	31.70
After 6 Months	16.89	5.00	<sup>a</sup> 0.60	0.78	8	23.78	32.48	<sup>c</sup> 32.48	32.48
After 3 years	16.89	5.00	<sup>a</sup> 0.60	1.20	8	24.20	32.90	<sup>c</sup> 32.90	32.90
After 6 years	16.89	5.00	<sup>a</sup> 0.60	1.43	8	24.43	33.13	<sup>c</sup> 33.13	33.13
## Pole Treatment Journeyman	23.33	5.00	<sup>a</sup> 0.60	-	8	29.63	41.645	<sup>c</sup> 41.645	41.645
After 6 Months	23.33	5.00	<sup>a</sup> 0.60	1.08	8	30.71	42.725	<sup>c</sup> 42.725	42.725
After 3 years	23.33	5.00	<sup>a</sup> 0.60	1.66	8	31.29	43.305	<sup>c</sup> 43.305	43.305
After 6 years	23.33	5.00	<sup>a</sup> 0.60	1.97	8	31.60	43.615	<sup>c</sup> 43.615	43.615
## Pole Restoration and Treatment <sup>d</sup>									
Technician (First 6 months)	13.07	5.00	<sup>a</sup> 0.60	0.60	8	19.66	26.39	<sup>c</sup> 26.39	26.39
Technician (After 6 months)	13.38	5.00	<sup>a</sup> 0.60	0.62	8	20.00	26.89	<sup>c</sup> 26.89	26.89
Technician (After 3 Years)	13.38	5.00	<sup>a</sup> 0.60	0.95	8	20.33	27.22	<sup>c</sup> 27.22	27.22
Technician (After 6 Years)	13.38	5.00	<sup>a</sup> 0.60	1.13	8	20.51	27.40	<sup>c</sup> 27.40	27.40

## Indicates a non-apprenticeable craft.

<sup>a</sup> In addition, an amount equal to 3% of the Basic Hourly Rate is added to the Total Hourly Rate and overtime hourly rates for the National Employees Benefit Board.

<sup>b</sup> This amount is factored at the applicable overtime rate.

<sup>c</sup> Saturdays may be scheduled as a make-up day at the regular straight time rate.

<sup>d</sup> The Ratio of Technicians to Journeymen may not exceed 4 to 1. However, if the Journeyman is assisted by a maximum of two Senior Technicians, three additional Technicians may be added per Senior Technician.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)**

**Determination:** C-MT-261-X-265-2018-1

**Issue Date:** February 22, 2018

**Expiration date of determination:** June 30, 2018\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Division of Labor Statistics and Research at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

**Localities:** All localities within Marin, Napa, Solano and Sonoma Counties.

Classification	Employer Payments				Straight-Time			Overtime Hourly Rate		
	Basic Hourly Rate	Health and Welfare	Pension	Vacation And Holiday	Hours	Other	Total Hourly Rate	Daily (1½ X)	Saturday (1½ X)	Sunday/Holiday (2 X)
Ready Mix Driver	\$25.90	\$14.28	\$6.20	\$2.85	-	-	\$49.23	\$62.18	\$62.18	\$75.13

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director - Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence requirements for the current determinations on the Internet at <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director - Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: # ELECTRICAL UTILITY LINEMAN**

**DETERMINATION:** C-61-X-8-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** January 31, 2021\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after ten days after the expiration date if no subsequent determination is issued.

**LOCALITY:** All localities within Del Norte, Modoc and Siskiyou counties.

CLASSIFICATION (Journey person)	Employer Payments					Straight-Time		Overtime Hourly Rate		
	Basic Hourly Rate	Health and Welfare	Pension	Training	Other Payments	Hours	Total Hourly Rate	Daily 2X	Saturday 2X	Sunday and Holiday 2X
Lineman, Heavy Line Equipment man, Certified Lineman Welder, Pole Sprayer	\$53.82	7.50	<sup>a</sup> 13.51	<sup>b</sup> 0.81	<sup>c</sup> 0.14	8	75.78	132.16	132.16	132.16
Cable Splicer	60.28	7.50	<sup>a</sup> 13.71	<sup>b</sup> 0.90	<sup>c</sup> 0.16	8	82.55	145.69	145.69	145.69
Line Equipment Operator	46.29	7.50	<sup>a</sup> 10.09	<sup>b</sup> 0.69	<sup>c</sup> 0.13	8	64.70	113.19	113.19	113.19
Powderman	40.37	7.40	<sup>a</sup> 8.11	<sup>b</sup> 0.61	<sup>c</sup> 0.11	8	56.60	98.89	98.89	98.89
Groundman										
First 1040 Hours	21.53	7.40	<sup>a</sup> 7.55	<sup>b</sup> 0.32	<sup>c</sup> 0.06	8	36.86	59.41	59.41	59.41
1041-2080 Hours	26.91	7.40	<sup>a</sup> 7.71	<sup>b</sup> 0.40	<sup>c</sup> 0.08	8	42.50	70.69	70.69	70.69
2081+ Hours	33.37	7.40	<sup>a</sup> 7.90	<sup>b</sup> 0.50	<sup>c</sup> 0.09	8	49.26	84.21	84.21	84.21
Pole Sprayer Trainee										
First six months	46.12	7.40	<sup>a</sup> 8.28	<sup>b</sup> 0.69	<sup>c</sup> 0.12	8	62.61	110.91	110.91	110.91
Second six months	48.33	7.40	<sup>a</sup> 8.35	<sup>b</sup> 0.72	<sup>c</sup> 0.13	8	64.93	115.55	115.55	115.55
Third six months	49.94	7.40	<sup>a</sup> 8.40	<sup>b</sup> 0.75	<sup>c</sup> 0.13	8	66.62	118.93	118.93	118.93

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.

<sup>a</sup> Includes an amount equal to 3% of the Basic Hourly Rate for the National Employees Benefit Board. This amount is factored at the applicable overtime rate. Pursuant to Labor Code Sections 1773.1 and 1773.8, the amount paid for this employer payment may vary resulting in a lower taxable basic hourly wage rate, but the total hourly rates for straight time and overtime may not be less than the general prevailing rate of per diem wages.

<sup>b</sup> This amount is factored at the applicable overtime rate.

<sup>c</sup> This amount includes \$0.01 for the National Labor-Management Cooperation Committee, and the remainder of the amount is for the Administrative Maintenance Fund. This amount (AMF) is factored at the applicable overtime rate.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <https://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <https://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

DEPARTMENT OF INDUSTRIAL RELATIONS  
Office of the Director - Research Unit  
455 Golden Gate Avenue, 9<sup>th</sup> Floor  
San Francisco, CA 94102

MAILING ADDRESS:  
P. O. Box 420603  
San Francisco, CA 94142-0603



December 30, 2019

**IMPORTANT NOTICE  
TO AWARDING BODIES AND INTERESTED PARTIES REGARDING  
THE PREVAILING WAGE RATES BELOW THE CALIFORNIA MINIMUM WAGE**

In accordance with Labor Code Sections 1770, 1773, and 1773.1, the Director of the Department of Industrial Relations is responsible for determining the prevailing wage rates for each worker employed on public works projects of more than one thousand dollars (\$1,000).

Effective January 1, 2020, the minimum wage in California will increase to \$13.00 per hour. The Director's prevailing wage determinations shall not be below the California minimum wage. Each employer is required to pay at least the California minimum wage for the basic hourly rate in all cases where the published prevailing wage rate is below the California minimum wage. Any and all employer payments required by these determinations must also be paid.

If the California minimum wage is increased in the future to an amount above that shown in a prevailing wage determination, the basic hourly rate in that determination automatically increases to the new minimum wage.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #CARPENTER AND RELATED TRADES

**DETERMINATION:** NC-23-31-1-2019-2  
**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Health and Welfare	Pension	Employer Payments			Straight – Time		Daily	Overtime Hourly Rate <sup>c</sup>		Sunday and Holiday <sup>j</sup>	
				Vacation/ Holiday <sup>d</sup>	Training	Other Payments <sup>e</sup>	Hours	Total Hourly Rate		Saturday <sup>a</sup>	2X		
<b><sup>b</sup> Area 1</b>													
Carpenter	\$50.50	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$80.99	\$106.24	\$131.49	\$106.24	\$131.49	\$131.49
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Steel Scaffold and Steel Shoring Erector	\$50.65	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$81.14	\$106.47	\$131.79	\$106.47	\$131.79	\$131.79
<b><sup>b</sup> Area 2</b>													
Carpenter	\$44.62	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$75.11	\$97.42	\$119.73	\$97.42	\$119.73	\$119.73
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Steel Scaffold and Steel Shoring Erector	\$44.77	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$75.26	\$97.65	\$120.03	\$97.65	\$120.03	\$120.03
<b><sup>b</sup> Area 3<sup>j</sup></b>													
Carpenter	\$44.62	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$75.11	\$97.42	\$119.73	\$97.42	\$119.73	\$119.73
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Steel Scaffold and Steel Shoring Erector	\$44.77	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$75.26	\$97.65	\$120.03	\$97.65	\$120.03	\$120.03
<b><sup>b</sup> Area 4<sup>j</sup></b>													
Carpenter	\$43.27	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$73.76	\$95.40	\$117.03	\$95.40	\$117.03	\$117.03
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Steel Scaffold and Steel Shoring Erector	\$43.42	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8	\$73.91	\$95.62	\$117.33	\$95.62	\$117.33	\$117.33

**DETERMINATION:** NC-23-31-1-2019-2A  
**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Health and Welfare	Pension	Employer Payments			Straight – Time		Daily	Overtime Hourly Rate <sup>c</sup>		Sunday and Holiday <sup>j</sup>	
				Vacation/ Holiday <sup>d</sup>	Training	Other Payments <sup>e</sup>	Hours	Total Hourly Rate		Saturday <sup>a</sup>	2X		
Bridge Builder/Highway Carpenter	\$50.50	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8.0	\$80.99	\$106.24	\$131.49	\$106.24	\$131.49	\$131.49
Bridge Builder/Highway Carpenter (Special Single Shift)	\$56.81	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	8.0	\$87.30	\$115.71	\$144.11	\$115.71	\$144.11	\$144.11

**Footnote and Millwright listed on page 34A**

(Recognized Holidays and Subsistence Payment footnotes also listed on page 34A)

**DETERMINATION:** NC-23-31-1-2019-2B

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journey person)	Basic Hourly Rate	Employer Payments					Straight – Time		Daily	Overtime Hourly Rate <sup>c</sup>			
		Health and Welfare	Pension	Vacation/ Holiday <sup>d</sup>	Training	Other Payments <sup>b</sup>	Hours	Total Hourly Rate		Saturday <sup>a</sup>	2X	Sunday and Holiday <sup>j</sup>	
<sup>b</sup> Area 1 Millwright	\$50.60	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	8	\$82.69	\$107.99	\$133.29	\$107.99	\$133.29	\$133.29
<sup>b</sup> Area 2 Millwright	\$47.12	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	8	\$79.21	\$102.77	\$126.33	\$102.77	\$126.33	\$126.33
<sup>b</sup> Area 3 <sup>j</sup> Millwright	\$47.12	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	8	\$79.21	\$102.77	\$126.33	\$102.77	\$126.33	\$126.33
<sup>b</sup> Area 4 <sup>j</sup> Millwright	\$45.77	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	8	\$77.86	\$100.75	\$123.63	\$100.75	\$123.63	\$123.63

**DETERMINATION:** NC-23-31-1-2019-2, NC-23-31-1-2019-2A and NC-23-31-1-2019-2B

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

<sup>a</sup> In the event that work cannot be performed Monday through Friday because of inclement weather or major mechanical breakdown, employees may voluntarily make up such day on Saturday and shall be paid at the applicable straight time rates.

<sup>b</sup> AREA 1 - Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma Counties.

AREA 2 - Monterey, San Benito, and Santa Cruz Counties.

AREA 3 - El Dorado, Placer, Sacramento, San Joaquin and Yolo Counties.

AREA 4 - Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Mendocino, Merced, Modoc, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, and Yuba Counties.

<sup>c</sup> The overtime rates for shift work are based on the non-shift overtime rates.

<sup>d</sup> Includes an amount per hour worked for Work Fees. The Vacation amount is \$2.95 per hour worked for Carpenter; \$2.85 per hour worked for Millwright.

<sup>e</sup> Includes Annuity Trust Fund, Industry Promotion, Carpenters International Training Fund, Work Preservation, Carpenter Employers Contract Administration, and Vacation/Holiday/Sick Leave Admin.

<sup>f</sup> For building construction, rate applies to the first 4 hours daily overtime. For all heavy, highway and engineering construction overtime worked, Monday through Friday, rate applies to the first 4 hours daily overtime.

<sup>g</sup> Rate applies to the first 8 hours for building construction and for the first 10 hours worked on heavy, highway and engineering construction.

<sup>h</sup> Millwright Annuity Trust Fund, Industry Promotion, Work Preservation, Carpenters International Training Fund, and Vacation/Holiday/Sick Leave Admin.

<sup>i</sup> Time and one-half shall be paid for the first eight (8) hours worked on the four (4) days of each year selected by the Union as designated off/holidays listed in the Holiday Provision.

<sup>j</sup> Area 3 includes the portion of Placer County west of and including Highway 49 and the portion of El Dorado County west of and including Highway 49 and the territory inside the city limits of Placerville. Area 4 includes the portions of Placer and El Dorado Counties not covered in Area 3.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #CARPENTER AND RELATED TRADES (SECOND SHIFT)\*

**DETERMINATION:** NC-23-31-1-2019-2

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journey person)	Basic Hourly Rate	Employer Payments					Straight - Time		Overtime Hourly Rate <sup>a</sup>				
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other Payments <sup>f</sup>	Hours <sup>e</sup>	Total Hourly Rate	Daily	Saturday <sup>b</sup>	Sunday and Holiday <sup>k</sup>		
<b><sup>c</sup> Area 1</b>													
Carpenter	\$53.87	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$84.36	\$106.24	\$131.49	\$106.24	\$131.49	\$131.49
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$54.03	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$84.52	\$106.47	\$131.79	\$106.47	\$131.79	\$131.79
<b><sup>c</sup> Area 2</b>													
Carpenter	\$47.59	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$78.08	\$97.42	\$119.73	\$97.42	\$119.73	\$119.73
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$47.75	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$78.24	\$97.65	\$120.03	\$97.65	\$120.03	\$120.03
<b><sup>c</sup> Area 3<sup>l</sup></b>													
Carpenter	\$47.59	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$78.08	\$97.42	\$119.73	\$97.42	\$119.73	\$119.73
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$47.75	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$78.24	\$97.65	\$120.03	\$97.65	\$120.03	\$120.03
<b><sup>c</sup> Area 4<sup>l</sup></b>													
Carpenter	\$46.15	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$76.64	\$95.40	\$117.03	\$95.40	\$117.03	\$117.03
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$46.31	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$76.80	\$95.62	\$117.33	\$95.62	\$117.33	\$117.33

**DETERMINATION:** NC-23-31-1-2019-2A

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journey person)	Basic Hourly Rate	Employer Payments					Straight - Time		Overtime Hourly Rate <sup>a</sup>				
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other Payments <sup>f</sup>	Hours <sup>e</sup>	Total Hourly Rate	Daily	Saturday <sup>b</sup>	Sunday and Holiday <sup>k</sup>		
Bridge Builder/Highway Carpenter	\$53.87	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7.5	\$84.36	\$106.24	\$131.49	\$106.24	\$131.49	\$131.49

Continued on page 34C

(Recognized Holidays and Subsistence Payment footnotes also listed on page 34C)

**DETERMINATION:** NC-23-31-1-2019-2B  
**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Employer Payments					Straight – Time		Overtime Hourly Rate <sup>a</sup>				
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other Payments <sup>d</sup>	Hours <sup>e</sup>	Total Hourly Rate	Daily	Saturday <sup>b</sup>	Sunday and Holiday <sup>k</sup>		
<sup>c</sup> <b>Area 1</b> Millwright	\$53.97	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7.5	\$86.06	\$107.99	\$133.29	\$107.99	\$133.29	\$133.29
<sup>c</sup> <b>Area 2</b> Millwright	\$50.26	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7.5	\$82.35	\$102.77	\$126.33	\$102.77	\$126.33	\$126.33
<sup>c</sup> <b>Area 3<sup>d</sup></b> Millwright	\$50.26	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7.5	\$82.35	\$102.77	\$126.33	\$102.77	\$126.33	\$126.33
<sup>c</sup> <b>Area 4<sup>d</sup></b> Millwright	\$48.82	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7.5	\$80.91	\$100.75	\$123.63	\$100.75	\$123.63	\$123.63

**DETERMINATION:** NC-23-31-1-2019-2, NC-23-31-1-2019-2A and NC-23-31-1-2019-2B (FOR SECOND AND THIRD SHIFTS)

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

\* Does not apply to tenant improvement or renovation projects in occupied buildings with a total contract value of \$5 million or less.

<sup>a</sup> The overtime rates for shift work are based on the non-shift overtime rates on page 34.

<sup>b</sup> In the event that work cannot be performed Monday through Friday because of inclement weather or major mechanical breakdown, employees may voluntarily make up such day on Saturday and shall be paid at the applicable straight time rates.

<sup>c</sup> **AREA 1** - Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma Counties.

**AREA 2** - Monterey, San Benito, and Santa Cruz Counties.

**AREA 3** - El Dorado, Placer, Sacramento, San Joaquin and Yolo Counties.

**AREA 4** - Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Mendocino, Merced, Modoc, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, and Yuba Counties.

<sup>d</sup> Area 3 includes the portion of Placer County west of and including Highway 49 and the portion of El Dorado County west of and including Highway 49 and the territory inside the city limits of Placerville. Area 4 includes the portions of Placer and El Dorado Counties not covered in Area 3.

<sup>e</sup> Includes an amount per hour worked for Work Fees. The Vacation amount is \$2.95 per hour worked for Carpenter; \$2.85 per hour worked for Millwright.

<sup>f</sup> Annuity Trust Fund, Industry Promotion, Carpenters International Training Fund, Carpenter Employers Contract Administration, and Vacation/Holiday/Sick Leave Admin.

<sup>g</sup> Daily overtime applies after 7 ½ hours worked at the straight-time rate for second shift and after 7 hours worked at the straight-time rate for third shift.

<sup>h</sup> For building construction, rate applies to the first 2 hours prior to the start of the regular or approved day, or the first 4 hours after the end of the approved or regular work day, not to exceed a total of 4 hours in any 1 work day. For heavy, highway and engineering construction rate applies to the first 4 hours prior to the start of the regular or approved day, or the first 4 hours after the end of the approved or regular work day, not to exceed a total of 4 hours in any 1 work day

<sup>i</sup> Rate applies to the first 8 hours for building construction and for the first 10 hours worked on heavy, highway and engineering construction.

<sup>j</sup> Millwright Annuity Trust Fund, Industry Promotion, Carpenters International Training Fund, Work Preservation, and Vacation/Holiday/Sick Leave Admin.

<sup>k</sup> Time and one-half shall be paid for the first eight (8) hours worked on the four (4) days of each year selected by the Union as designated off/holidays listed in the Holiday Provision.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #CARPENTER AND RELATED TRADES (THIRD SHIFT)\*

**DETERMINATION:** NC-23-31-1-2019-2

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journey person)	Basic Hourly Rate	Employer Payments					Straight – Time		Overtime Hourly Rate <sup>a</sup>					
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other Payments <sup>f</sup>	Hours <sup>e</sup>	Total Hourly Rate	Daily	Saturday <sup>b</sup>		Sunday and Holiday <sup>k</sup>		
									1 1/2X <sup>h</sup>	2X	1 1/2X <sup>i</sup>	2X		
<b><sup>c</sup> Area 1</b>														
Carpenter	\$57.71	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$88.20	\$106.24	\$131.49	\$106.24	\$131.49	\$131.49	
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$57.89	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$88.38	\$106.47	\$131.79	\$106.47	\$131.79	\$131.79	
<b><sup>c</sup> Area 2</b>														
Carpenter	\$50.99	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$81.48	\$97.42	\$119.73	\$97.42	\$119.73	\$119.73	
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$51.17	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$81.66	\$97.65	\$120.03	\$97.65	\$120.03	\$120.03	
<b><sup>c</sup> Area 3<sup>1</sup></b>														
Carpenter	\$50.99	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$81.48	\$97.42	\$119.73	\$97.42	\$119.73	\$119.73	
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$51.17	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$81.66	\$97.65	\$120.03	\$97.65	\$120.03	\$120.03	
<b><sup>c</sup> Area 4<sup>1</sup></b>														
Carpenter	\$49.45	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$79.94	\$95.40	\$117.03	\$95.40	\$117.03	\$117.03	
Hardwood Floorlayer, Power Saw Operator, Saw Filer, Shingler, Scaffold and Steel Shoring Erector	\$49.62	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$80.11	\$95.62	\$117.33	\$95.62	\$117.33	\$117.33	

Footnotes listed on page 34C

(Recognized Holidays and Subsistence Payment footnotes also listed on page 34C)

**DETERMINATION:** NC-23-31-1-2019-2A

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journey person)	Basic Hourly Rate	Employer Payments					Straight – Time		Overtime Hourly Rate <sup>a</sup>				
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other Payments <sup>f</sup>	Hours <sup>g</sup>	Total Hourly Rate	Daily 1 1/2X <sup>h</sup>	2X	Saturday <sup>b</sup> 1 1/2X <sup>i</sup>	2X	Sunday and Holiday <sup>k</sup>
Bridge Builder/Highway Carpenter	\$57.71	\$11.45	\$10.40	\$5.02	\$0.98	\$2.64	7	\$88.20	\$106.24	\$131.49	\$106.24	\$131.49	\$131.49

**DETERMINATION:** NC-23-31-1-2019-2B

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director - Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION (Journey person)	Basic Hourly Rate	Employer Payments					Straight – Time		Overtime Hourly Rate <sup>a</sup>				
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other Payments <sup>j</sup>	Hours <sup>g</sup>	Total Hourly Rate	Daily 1 1/2X <sup>h</sup>	2X	Saturday <sup>b</sup> 1 1/2X <sup>i</sup>	2X	Sunday and Holiday <sup>k</sup>
<sup>c</sup> Area 1 Millwright	\$57.83	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7	\$89.92	\$107.99	\$133.29	\$107.99	\$133.29	\$133.29
<sup>c</sup> Area 2 Millwright	\$53.85	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7	\$85.94	\$102.77	\$126.33	\$102.77	\$126.33	\$126.33
<sup>c</sup> Area 3 <sup>d</sup> Millwright	\$53.85	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7	\$85.94	\$102.77	\$126.33	\$102.77	\$126.33	\$126.33
<sup>c</sup> Area 4 <sup>d</sup> Millwright	\$52.31	\$11.45	\$10.40	\$5.11	\$0.98	\$4.15	7	\$84.40	\$100.75	\$123.63	\$100.75	\$123.63	\$123.63

Footnotes listed on page 34C

(Recognized Holidays and Subsistence Payment footnotes also listed on page 34C)

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: # OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)**

**DETERMINATION:** NC-23-63-1-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for new rates after 10 days from the expiration date, if no subsequent determination is issued.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba counties.

Classification (Journey person)	Employer Payments						Hours <sup>f</sup>	Straight-Time		Overtime Hourly Rate				
	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday <sup>e</sup>	Training	Other Payments		Total Hourly Rate	Daily/ Saturday <sup>d</sup> 1 1/2X	Sunday and Holiday 2X	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>
Classification Group <sup>a</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>						Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	
Group 1	\$49.02	\$51.02	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$80.15	\$82.15	\$104.66	\$107.66	\$129.17	\$133.17
Group 2	\$47.49	\$49.49	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$78.62	\$80.62	\$102.37	\$105.37	\$126.11	\$130.11
Group 3	\$46.01	\$48.01	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$77.14	\$79.14	\$100.15	\$103.15	\$123.15	\$127.15
Group 4	\$44.63	\$46.63	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$75.76	\$77.76	\$98.08	\$101.08	\$120.39	\$124.39
Group 5	\$43.36	\$45.36	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.49	\$76.49	\$96.17	\$99.17	\$117.85	\$121.85
Group 6	\$42.04	\$44.04	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$73.17	\$75.17	\$94.19	\$97.19	\$115.21	\$119.21
Group 7	\$40.90	\$42.90	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$72.03	\$74.03	\$92.48	\$95.48	\$112.93	\$116.93
Group 8	\$39.76	\$41.76	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$70.89	\$72.89	\$90.77	\$93.77	\$110.65	\$114.65
Group 8-A	\$37.55	\$39.55	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$68.68	\$70.68	\$87.46	\$90.46	\$106.23	\$110.23

**ALL CRANES AND ATTACHMENTS:**

Group 1	\$50.65	\$52.65	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$81.78	\$83.78	\$107.11	\$110.11	\$132.43	\$136.43
Truck Crane Assistant to Engineer	\$43.68	\$45.68	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.81	\$76.81	\$96.65	\$99.65	\$118.49	\$122.49
Assistant to Engineer	\$41.39	\$43.39	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$72.52	\$74.52	\$93.22	\$96.22	\$113.91	\$117.91
Group 1-A	\$49.90	\$51.90	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$81.03	\$83.03	\$105.98	\$108.98	\$130.93	\$134.93
Truck Crane Assistant to Engineer	\$42.93	\$44.93	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.06	\$76.06	\$95.53	\$98.53	\$116.99	\$120.99
Assistant to Engineer	\$40.64	\$42.64	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$71.77	\$73.77	\$92.09	\$95.09	\$112.41	\$116.41
Group 2-A	\$48.14	\$50.14	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$79.27	\$81.27	\$103.34	\$106.34	\$127.41	\$131.41
Truck Crane Assistant to Engineer	\$42.67	\$44.67	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$73.80	\$75.80	\$95.14	\$98.14	\$116.47	\$120.47
Assistant to Engineer	\$40.43	\$42.43	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$71.56	\$73.56	\$91.78	\$94.78	\$111.99	\$115.99
Group 3-A	\$46.40	\$48.40	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$77.53	\$79.53	\$100.73	\$103.73	\$123.93	\$127.93
Truck Crane Assistant to Engineer	\$42.43	\$44.43	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$73.56	\$75.56	\$94.78	\$97.78	\$115.99	\$119.99
Hydraulic	\$42.04	\$44.04	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$73.17	\$75.17	\$94.19	\$97.19	\$115.21	\$119.21
Assistant to Engineer	\$40.15	\$42.15	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$71.28	\$73.28	\$91.36	\$94.36	\$111.43	\$115.43
Group 4-A	\$43.36	\$45.36	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.49	\$76.49	\$96.17	\$99.17	\$117.85	\$121.85

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.

<sup>a</sup> For classifications within each group, see pages 39B-40.

<sup>b</sup> **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; and portions of Alpine, Amador, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Lake, Lassen, Madera, Mariposa, Mendocino, Monterey, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Tulare, Tuolumne and Trinity counties.

<sup>c</sup> **AREA 2** - Modoc, and portions of Alpine, Amador, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Lake, Lassen, Madera, Mariposa, Mendocino, Monterey, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Tulare, Tuolumne and Trinity counties. (Portions of counties falling in each area detailed on page 41).

<sup>d</sup> Saturday in the same work week may be worked at straight-time if a job is shut down during the normal work week due to inclement weather.

<sup>e</sup> Includes an amount for supplemental dues.

<sup>f</sup> When three shifts are employed for five (5) or more consecutive days, seven and one-half (7 1/2) consecutive hours (exclusive of meal period), shall constitute a day of work, for which eight (8) times the straight time hourly rate shall be paid at the non-shift wage rate for the second shift. The third shift shall be seven (7) hours of work for eight (8) hours of pay at the non-shift wage rate.

**NOTE:** For Special Single and Second Shift rates, please see page 39A.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

CLASSIFICATIONS

**GROUP 1**

Drill Equipment, over 200,000 lbs  
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  
Microtunneling Machine  
Power Blade Operator (finish)  
Power Shovels, (over 1 cu yd and up to and including 7 cu yds m.r.c.)

**GROUP 3**

Asphalt Milling Machine  
Cable Backhoe  
Combination Backhoe and Loader over ¾ cu yds  
Continuous Flight Tie Back Machine  
Crane Mounted Continuous Flight Tie Back Machine, tonnage to apply  
Crane Mounted Drill Attachments, Tonnage to apply  
Dozer, Slope Board  
Drill Equipment, over 100,000 lbs up to and including 200,000 lbs  
Gradall  
Hydraulic Excavator up to 3 1/2 cu yds  
Loader 4 cu yds and over  
Long Reach Excavator  
Multiple Engine Scrapers (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/Boxman  
Chicago Boom  
Combination Backhoe and Loader up to and including ¾ cu yds  
Concrete Batch Plants (wet or dry)  
Dozer and/or Push Cat  
Drill Equipment, over 50,000 lbs up to and including 100,000 lbs  
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 Repairman 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  
Timber Skidder  
Track Loader up to 4 yards  
Tractor Drawn Scraper  
Tractor, Compressor Drill Combination  
Tubex Pile Rig  
Unlicensed Construction Work Boat Operator, On Site  
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 Guns  
Drilling Equipment, Watson 2000, Texoma 700 or similar  
Drilling and Boring Machinery, Horizontal (not to apply to waterlines, wagon drills or jackhammers)  
Concrete Mixers/all  
Man 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 Crushers  
Power Jumbo Operator (setting slip-forms, etc., in tunnels)  
Screedman (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  
Asst. Plant Engineer  
Bridge and/or Gantry Crane  
Chemical Grouting Machine, truck mounted  
Chip Spreading Machine Operator  
Concrete Barrier Moving Machine  
Concrete Saws (self-propelled unit on streets, highways, airports, and canals)  
Deck Engineer  
Drill Doctor  
Drill Equipment, over 25,000 lbs up to and including 50,000 lbs  
Drilling Equipment Texoma 600, Hughes 200 series or similar up to and including 30 ft. m.r.c.  
Helicopter Radioman  
Hydro-Hammer or similar  
Line Master  
Skidsteer Loader, Bobcat larger than 743 series or similar (with attachments)  
Locomotive  
Rotating Extendable Forklift, Lull Hi-Lift or similar  
Assistant to Engineer, 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)  
Screedman, (except asphaltic concrete paving)  
Self-Loading Chipper  
Self Propelled Pipeline Wrapping Machine  
Tractor

**GROUP 7**

Ballast Regulator  
Cary Lift or similar  
Combination Slurry Mixer and/or Cleaner  
Coolant/Slurry Tanker Operator (hooked to Grooving/Grinding Machine)  
Drilling Equipment, 20 ft and under m.r.c.  
Drill Equipment, over 1,000 lbs up to and including 25,000 lbs  
Fireman Hot Plant

Grouting Machine Operator  
Highline Cableway Signalman  
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  
Partsman (heavy duty repair shop parts room)  
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 Machine (on streets, highways, airports and canals)  
Self Propelled Compactor (without dozer)  
Signalman  
Slip-Form Pumps (lifting device for concrete forms)  
Super Sucker Vacuum Truck  
Tie Spacer  
Trenching Machine (maximum digging capacity up to and including 5 ft depth)  
Truck Type Loader

**GROUP 8**

Bit Sharpener  
Boiler Tender  
Box Operator  
Brakeman  
Combination Mixer and Compressor (shotcrete/gunite)  
Compressor Operator  
Deckhand  
Fireman  
Generators  
Gunit/Shotcrete Equipment Operator  
Heavy Duty Repairman Helper  
Hydraulic Monitor  
Ken Seal Machine (or similar)  
Mast Type Forklift  
Mixermobile  
Assistant to Engineer  
Pump Operator  
Refrigerator 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  
Switchman  
Tar Pot Fireman  
Tugger Hoist, Single Drum  
Vacuum Cooling Plant  
Welding Machine (powered other than by electricity)

**GROUP 8-A**

Articulated Dump Truck Operator  
Elevator Operator  
Mini Excavator under 25 H.P. (Backhoe-Trencher)  
Skidsteer Loader, Bobcat 743 series or  
Smaller and similar (without attachments)

**ALL CRANES AND ATTACHMENTS:**

**GROUP 1**

Cranes over 350 tons  
Derrick over 350 tons  
Self Propelled Boom Type Lifting Device over 350 tons

**GROUP 1-A**

Clamshells and Draglines over 7 cu yds  
Cranes 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-A**

Clamshells and Draglines over 1 cu yds up to and  
including 7 cu yds  
Cranes over 45 tons up to and including 100 tons  
Derrick Barge 100 tons and under  
Mobile Self-Erecting Tower Crane (Potain) over 3 stories  
Self Propelled Boom Type Lifting Device over 45 tons  
Tower Cranes

**GROUP 3-A**

Clamshells and Draglines up to and including 1 cu yd  
Cranes 45 tons and under  
Mobile Self-Erecting Tower Crane (Potain), 3 stories  
and under  
Self Propelled Boom Type Lifting Device 45 tons  
and under

**GROUP 4-A**

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

**DESCRIPTION FOR AREAS 1 AND 2:**

Area 1 is all of Northern California within the following Township, State and/or county Boundaries:

Commencing in the Pacific Ocean on the extension of the Southerly line of Township 19S, of the Mount Diablo Base and Meridian, Thence Easterly along the Southerly line of Township 19S, to the Northwest corner of Township 20S, Range 6E,  
Thence Southerly to the Southwest corner of Township 20S, Range 6E,  
Thence Easterly to the Northwest corner of Township 21S, Range 7E Thence Southerly to the Southwest corner of Township 21S, Range 7E  
Thence Easterly to the Northwest corner of Township 22S, Range 9E,  
Thence Southerly to the Southwest corner of Township 22S, Range 9E,  
Thence Easterly to the Northwest corner of Township 23S, Range 10E,  
Thence Southerly to the Southwest corner of Township 24S, Range 10E,  
Thence Easterly to the Southwest corner of Township 24S, Range 31E,  
Thence Northerly to the Northeast corner of Township 20S, Range 31E  
Thence Westerly to the Southeast corner of Township 19S, Range 29E,  
Thence Northerly to the Northeast corner of Township 17S, Range 29E,  
Thence Westerly to the Southeast corner of Township 16S, Range 28E,  
Thence Northerly to the Northeast corner of Township 13S, Range 28E,  
Thence Westerly to the Southeast corner Township 12S, Range 27E,  
Thence Northerly to the Northeast corner of Township 12S, Range 27E,  
Thence Westerly to the Southeast corner of Township 11S, Range 26E,  
Thence Northerly to the Northeast corner of Township 11S, Range 26E,  
Thence Westerly to the Southeast corner of Township 10S, Range 25E,  
Thence Northerly to the Northeast corner of Township 9S, Range 25E,  
Thence Westerly to the Southeast corner of Township 8S, Range 24E,  
Thence Northerly to the Northeast corner of Township 8S, Range 24E,  
Thence Westerly to the Southeast corner of Township 7S, Range 23E,  
Thence Northerly to the Northeast corner of Township 6S, Range 23E,  
Thence Westerly to the Southeast corner of Township 5S, Range 20E,  
Thence Northerly to the Northeast corner of Township 5S, Range 20E,  
Thence Westerly to the Southeast corner of Township 4S, Range 19E,  
Thence Northerly to the Northeast corner of Township 1S, Range 19E,  
Thence Westerly to the Southeast corner of Township 1N, Range 18E,  
Thence Northerly to the Northeast corner of Township 3N, Range 18E,  
Thence Westerly to the Southeast corner of Township 4N, Range 17E,  
Thence Northerly to the Northeast corner of Township 4N, Range 17E,  
Thence Westerly to the Southeast corner of Township 5N, Range 15E,  
Thence Northerly to the Northeast corner of Township 5N, Range 15E,  
Thence Westerly to the Southeast corner of Township 6N, Range 14E,  
Thence Northerly to the Northeast corner of Township 10N, Range 14E,  
Thence Easterly along the Southern line of Township 11N, to the California / Nevada State Border,  
Thence Northerly along the California / Nevada State Border to the Northerly line of Township 17N,  
Thence Westerly to the Southeast corner of Township 18N, Range 10E,  
Thence Northerly to the Northeast corner of Township 20N, Range 10E,  
Thence Westerly to the Southeast corner of Township 21N, Range 9E,  
Thence Northerly to the Northeast corner of Township 21N, Range 9E,  
Thence Westerly to the Southeast corner of Township 22N, Range 8E,  
Thence Northerly to the Northeast corner of Township 22N, Range 8E,  
Thence Westerly to the Northwest corner of Township 22N, Range 8E,  
Thence Northerly to the Southwest corner of Township 27N, Range 8E,  
Thence Easterly to the Southeast corner of Township 27N, Range 8E,  
Thence Northerly to the Northeast corner of Township 28N, Range 8E,  
Thence Westerly to the Southeast corner of Township 29N, Range 6E,  
Thence Northerly to the Northeast corner of Township 32N, Range 6E,  
Thence Westerly to the Northwest corner of Township 32 N, Range 6E,  
Thence Northerly to the Northeast corner of Township 35N, Range 5E,  
Thence Westerly to the Southeast corner of Township 36N, Range 3E,  
Thence Northerly to the Northeast corner of township 36N, Range 3E,  
Thence Westerly to the Southeast corner of Township 37N, Range 1W,  
Thence Northerly to the Northeast corner of Township 38N, Range 1W,  
Thence Westerly to the Southeast corner of Township 39N, Range 2W,  
Thence Northerly to the Northeast corner of Township 40N, Range 2W,  
Thence Westerly to the Southeast corner of Township 41N, Range 4W,  
Thence Northerly to the Northeast corner of Township 42N, Range 4W,  
Thence Westerly to the Southeast corner of Township 43N, Range 5W,  
Thence Northerly to the California / Oregon State Border,

Thence Westerly along the California / Oregon State Border to the Westerly Boundary of Township Range 8W,  
Thence Southerly to the Southwest corner of Township 43N, Range 8W,  
Thence Easterly to the Southeast corner of Township 43N, Range 8W,  
Thence Southerly to the Southwest corner of Township 42N, Range 7W,  
Thence Easterly to the Southeast corner of Township 42N, Range 7W,  
Thence Southerly to the Southwest corner of Township 41N, Range 6W,  
Thence Easterly to the Northwest corner of Township 40N, Range 5W,  
Thence Southerly to the Southwest corner of Township 38N, Range 5W,  
Thence Westerly to the Northwest corner of Township 37N, Range 6W,  
Thence Southerly to the Southwest corner of Township 35N, Range 6W,  
Thence Westerly to the Northwest corner of Township 34N, Range 10W,  
Thence Southerly to the Southwest corner of Township 31N, Range 10W,  
Thence Easterly to the Northwest corner of Township 30N, Range 9W,  
Thence Southerly to the Southwest corner of Township 30N, Range 9W,  
Thence Easterly to the Northwest corner of Township 29N, Range 8W,  
Thence Southerly to the Southwest corner of Township 23N, Range 8W,  
Thence Easterly to the Northwest corner of Township 22N, Range 6W,  
Thence Southerly to the Southwest corner of Township 16N, Range 6W,  
Thence Westerly to the Southeast corner of Township 16N, Range 9W,  
Thence Northerly to the Northeast corner of Township 16N, Range 9W,  
Thence Westerly to the Southeast. corner of Township 17N, Range 12W,  
Thence Northerly to the Northeast corner of Township 18N, Range 12W,  
Thence Westerly to the Northwest corner of Township 18N, Range 15W,  
Thence Southerly to the Southwest corner of Township 14N, Range 15W,  
Thence Easterly to the Northwest corner of Township 13N, Range 14W,  
Thence Southerly to the Southwest corner of Township 13N, Range 14W,  
Thence Easterly to the Northwest corner of Township 12N, Range 13W,  
Thence Southerly to the Southwest corner of Township 12N, Range 13W,  
Thence Easterly to the Northwest corner of Township 11N, Range 12W,  
Thence Southerly into the Pacific Ocean  
and Commencing in the Pacific Ocean on the extension of the Humboldt Base Line,  
Thence Easterly to the Northwest corner of Township 1S, Range 2E,  
Thence Southerly to the Southwest corner of Township 2S, Range 2E,  
Thence Easterly to the Northwest corner of Township 3S, Range 3E,  
Thence Southerly to the Southwest corner of Township 5S, Range 3E,  
Thence Easterly to the Southeast corner of Township 5S, Range 4E,  
Thence Northerly to the Northeast corner of Township 4S, Range 4E,  
Thence Westerly to the Southeast corner of Township 3S, Range 3E,  
Thence Northerly to the Northeast corner of Township 5N, Range 3E,  
Thence Easterly to the Southeast corner of Township 6N, Range 5E,  
Thence Northerly to the Northeast corner of Township 7N, Range 5E,  
Thence Westerly to the Southeast corner of Township 8N, Range 3E,  
Thence Northerly to the Northeast corner of Township 9N, Range 3E,  
Thence Westerly to the Southeast corner of Township 10N, Range 1E,  
Thence Northerly to the Northeast corner of Township 13N, Range 1E,  
Thence Westerly into the Pacific Ocean,  
excluding that portion of Northern California contained within the following lines:  
Commencing at the Southwest corner of Township 12N, Range 11E, of the Mount Diablo Base and Meridian,  
Thence Easterly to the Southeast corner of Township 12N, Range 16E,  
Thence Northerly to the Northeast corner of Township 12N, Range 16E,  
Thence Westerly to the Southeast corner of Township 13N, Range 15E,  
Thence Northerly to the Northeast corner of Township 13N, Range 15E,  
Thence Westerly to the Southeast corner of Township 14N, Range 14E,  
Thence Northerly to the Northeast corner of Township 16N, Range 14E,  
Thence Westerly to the Northwest corner of Township 16N, Range 12E,  
Thence Southerly to the Southwest corner of Township 16N, Range 12E,  
Thence Westerly to the Northwest corner of Township 15N, Range 11E,  
Thence Southerly to the point of beginning at the Southwest corner of Township 12N, Range 11E,

Area 2 shall be all areas not part of Area 1 described above.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: # OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)  
(SPECIAL SINGLE AND SECOND SHIFT)**

**DETERMINATION:** NC-23-63-1-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for new rates after 10 days from the expiration date, if no subsequent determination is issued.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba counties.

Classification (Journey person)	Employer Payments						Hours	Straight-Time		Overtime Hourly Rate				
	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday <sup>e</sup>	Training	Other Payments		Total Hourly Rate	Daily/ Saturday <sup>d</sup> 1 1/2X	Sunday and Holiday 2X	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>
Classification Group <sup>a</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>						Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	Area 1 <sup>b</sup>	Area 2 <sup>c</sup>	
Group 1	\$53.35	\$55.35	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$84.48	\$86.48	\$111.16	\$114.16	\$137.83	\$141.83
Group 2	\$51.62	\$53.62	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$82.75	\$84.75	\$108.56	\$111.56	\$134.37	\$138.37
Group 3	\$49.96	\$51.96	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$81.09	\$83.09	\$106.07	\$109.07	\$131.05	\$135.05
Group 4	\$48.40	\$50.40	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$79.53	\$81.53	\$103.73	\$106.73	\$127.93	\$131.93
Group 5	\$46.98	\$48.98	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$78.11	\$80.11	\$101.60	\$104.60	\$125.09	\$129.09
Group 6	\$45.48	\$47.48	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$76.61	\$78.61	\$99.35	\$102.35	\$122.09	\$126.09
Group 7	\$44.20	\$46.20	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$75.33	\$77.33	\$97.43	\$100.43	\$119.53	\$123.53
Group 8	\$42.93	\$44.93	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.06	\$76.06	\$95.53	\$98.53	\$116.99	\$120.99
Group 8-A	\$40.42	\$42.42	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$71.55	\$73.55	\$91.76	\$94.76	\$111.97	\$115.97
<b>ALL CRANES AND ATTACHMENTS:</b>														
Group 1	\$55.08	\$57.08	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$86.21	\$88.21	\$113.75	\$116.75	\$141.29	\$145.29
Truck Crane Assistant to Engineer	\$47.25	\$49.25	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$78.38	\$80.38	\$102.01	\$105.01	\$125.63	\$129.63
Assistant to Engineer	\$44.66	\$46.66	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$75.79	\$77.79	\$98.12	\$101.12	\$120.45	\$124.45
Group 1-A	\$54.33	\$56.33	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$85.46	\$87.46	\$112.63	\$115.63	\$139.79	\$143.79
Truck Crane Assistant to Engineer	\$46.50	\$48.50	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$77.63	\$79.63	\$100.88	\$103.88	\$124.13	\$128.13
Assistant to Engineer	\$43.91	\$45.91	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$75.04	\$77.04	\$97.00	\$100.00	\$118.95	\$122.95
Group 2-A	\$52.34	\$54.34	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$83.47	\$85.47	\$109.64	\$112.64	\$135.81	\$139.81
Truck Crane Assistant to Engineer	\$46.21	\$48.21	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$77.34	\$79.34	\$100.45	\$103.45	\$123.55	\$127.55
Assistant to Engineer	\$43.68	\$45.68	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.81	\$76.81	\$96.65	\$99.65	\$118.49	\$122.49
Group 3-A	\$50.38	\$52.38	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$81.51	\$83.51	\$106.70	\$109.70	\$131.89	\$135.89
Truck Crane Assistant to Engineer	\$45.94	\$47.94	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$77.07	\$79.07	\$100.04	\$103.04	\$123.01	\$127.01
Hydraulic	\$45.48	\$47.48	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$76.61	\$78.61	\$99.35	\$102.35	\$122.09	\$126.09
Assistant to Engineer	\$43.37	\$45.37	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$74.50	\$76.50	\$96.19	\$99.19	\$117.87	\$121.87
Group 4-A	\$46.98	\$48.98	\$13.88	\$10.78	\$4.61	\$1.07	\$0.79	8	\$78.11	\$80.11	\$101.60	\$104.60	\$125.09	\$129.09

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.

<sup>a</sup> For classifications within each group, see pages 39B-40.

<sup>b</sup> **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; and portions of Alpine, Amador, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Lake, Lassen, Madera, Mariposa, Mendocino, Monterey, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Tulare, Tuolumne and Trinity counties.

<sup>c</sup> **AREA 2** - Modoc, and portions of Alpine, Amador, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Lake, Lassen, Madera, Mariposa, Mendocino, Monterey, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Tulare, Tuolumne and Trinity counties. (Portions of counties falling in each area detailed on page 41).

<sup>d</sup> Saturday in the same work week may be worked at straight-time if a job is shut down during the normal work week due to inclement weather.

<sup>e</sup> Includes an amount for supplemental dues.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: SLURRY SEAL WORKER (LABORER)**

**DETERMINATION:** NC-23-102-1B-2019-2

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** March 31, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo and Yuba Counties.

Classification (Journey person)	Basic Hourly Rate <sup>b</sup>	Employer Payments				Straight-Time		Overtime Hourly Rates		
		Health and Welfare	Pension	Vacation/ Holiday	Training	Hours	Total Hourly Rate	Daily 1 1/2X	Saturday <sup>a</sup> 1 1/2X	Sunday/ Holiday 2X
Mixer Operator	\$37.93	8.50	9.59	3.05	0.10	8	\$59.17	\$78.135	\$78.135	\$97.10
Shuttle/Line Driver	31.93	8.50	9.59	3.05	0.10	8	53.17	69.135	69.135	85.10
Squeegee/Sealer	30.43	8.50	9.59	3.05	0.10	8	51.67	66.885	66.885	82.10
Utility-Maintenance Man	29.43	8.50	9.59	3.05	0.10	8	50.67	65.385	65.385	80.10

<sup>a</sup> Saturdays in the same work week may be worked at straight-time if job is shut down during the normal work week due to inclement weather, major mechanical breakdown or lack of materials beyond the control of the employer.

<sup>b</sup> Zone Pay at three dollars (\$3.00) per hour, factored at the applicable overtime multiplier, will be added to the base rate for work performed outside the Free Zone described by the boundaries along township and range lines. Please see travel and subsistence provision for map description and exceptions.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #LABORER AND RELATED CLASSIFICATIONS

DETERMINATION: NC-23-102-1-2020-1

ISSUE DATE: February 22, 2020

EXPIRATION DATE OF DETERMINATION: June 28, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

LOCALITY: All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Marin, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

Classification <sup>a</sup> (Journey person)	Basic Hourly Rate <sup>g</sup>	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation and Holiday	Training	Other Payments	Hours <sup>f</sup>	Total Hourly Rate	Daily 1 1/2X	Saturday <sup>b</sup> 1 1/2X	Sunday/ Holiday 2X
<b>AREA 1<sup>c</sup></b>											
Construction Specialist	32.49	8.50	12.55	3.05	0.50	0.25	8	57.34	73.59	73.59	89.83
Group 1; Group 1(B) <sup>e</sup>	31.79	8.50	12.55	3.05	0.50	0.25	8	56.64	72.54	72.54	88.43
Group 1 (A)	32.01	8.50	12.55	3.05	0.50	0.25	8	56.86	72.87	72.87	88.87
Group 1 (C)	31.84	8.50	12.55	3.05	0.50	0.25	8	56.69	72.61	72.61	88.53
Group 1 (E)	32.34	8.50	12.55	3.05	0.50	0.25	8	57.19	73.36	73.36	89.53
Group 1 (G)	31.99	8.50	12.55	3.05	0.50	0.25	8	56.84	72.84	72.84	88.83
Group 2	31.64	8.50	12.55	3.05	0.50	0.25	8	56.49	72.31	72.31	88.13
Group 3; Group 3(A)	31.54	8.50	12.55	3.05	0.50	0.25	8	56.39	72.16	72.16	87.93
Group 4; Group 6(B)	25.23	8.50	12.55	3.05	0.50	0.25	8	50.08	62.70 <sup>d</sup>	62.70 <sup>d</sup>	75.31 <sup>d</sup>
Group 6	32.75	8.50	12.55	3.05	0.50	0.25	8	57.60	73.98	73.98	90.35
Group 6 (A)	32.25	8.50	12.55	3.05	0.50	0.25	8	57.10	73.23	73.23	89.35
Group 6 (C)	31.66	8.50	12.55	3.05	0.50	0.25	8	56.51	72.34	72.34	88.17
Group 6 (D)	32.37	8.50	12.55	3.05	0.50	0.25	8	57.22	73.41	73.41	89.59
Group 6 (E)	31.39	8.50	12.55	3.05	0.50	0.25	8	56.24	71.94	71.94	87.63
Group 7 – Stage 1 (1 <sup>st</sup> 6 months)	22.08	8.50	12.55	3.05	0.50	0.25	8	46.93	57.97	57.97	69.01
Stage 2 (2 <sup>nd</sup> 6 months)	25.23	8.50	12.55	3.05	0.50	0.25	8	50.08	62.70	62.70	75.31
Stage 3 (3 <sup>rd</sup> 6 months)	28.39	8.50	12.55	3.05	0.50	0.25	8	53.24	67.44	67.44	81.63
<b>AREA 2<sup>c</sup></b>											
Construction Specialist	31.49	8.50	12.55	3.05	0.50	0.25	8	56.34	72.09	72.09	87.83
Group 1; Group 1(B) <sup>e</sup>	30.79	8.50	12.55	3.05	0.50	0.25	8	55.64	71.04	71.04	86.43
Group 1 (A)	31.01	8.50	12.55	3.05	0.50	0.25	8	55.86	71.37	71.37	86.87
Group 1 (C)	30.84	8.50	12.55	3.05	0.50	0.25	8	55.69	71.11	71.11	86.53
Group 1 (E)	31.34	8.50	12.55	3.05	0.50	0.25	8	56.19	71.86	71.86	87.53
Group 2	30.64	8.50	12.55	3.05	0.50	0.25	8	55.49	70.81	70.81	86.13
Group 3; Group 3(A)	30.54	8.50	12.55	3.05	0.50	0.25	8	55.39	70.66	70.66	85.93
Group 4; Group 6(B)	24.23	8.50	12.55	3.05	0.50	0.25	8	49.08	61.20 <sup>d</sup>	61.20 <sup>d</sup>	73.31 <sup>d</sup>
Group 6	31.75	8.50	12.55	3.05	0.50	0.25	8	56.60	72.48	72.48	88.35
Group 6 (A)	31.25	8.50	12.55	3.05	0.50	0.25	8	56.10	71.73	71.73	87.35
Group 6 (C)	30.66	8.50	12.55	3.05	0.50	0.25	8	55.51	70.84	70.84	86.17
Group 6 (D)	31.37	8.50	12.55	3.05	0.50	0.25	8	56.22	71.91	71.91	87.59
Group 6 (E)	30.39	8.50	12.55	3.05	0.50	0.25	8	55.24	70.44	70.44	85.63
Group 7 – Stage 1 (1 <sup>st</sup> 6 months)	21.38	8.50	12.55	3.05	0.50	0.25	8	46.23	56.92	56.92	67.61
Stage 2 (2 <sup>nd</sup> 6 months)	24.43	8.50	12.55	3.05	0.50	0.25	8	49.28	61.50	61.50	73.71
Stage 3 (3 <sup>rd</sup> 6 months)	27.49	8.50	12.55	3.05	0.50	0.25	8	52.34	66.09	66.09	79.83

PLEASE GO TO PAGE 50 FOR CLASSIFICATIONS WITHIN EACH GROUP

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.

a GROUP 1(D) - MAINTENANCE OR REPAIR TRACKMEN AND ROAD BEDS AND ALL EMPLOYEES PERFORMING WORK COVERED BY THIS CLASSIFICATION SHALL RECEIVE \$0.25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS SHALL NOT APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. THIS SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER TEMPORARY COVER HAS BEEN PLACED.

GROUP 1(H) - ALL LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS RECEIVE \$0.50 PER HOUR ABOVE THEIR APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO LABORERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1(A).

b SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER, MAJOR MECHANICAL BREAKDOWN OR LACK OF MATERIALS BEYOND THE CONTROL OF THE EMPLOYER.

c **AREA 1** - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES.

**AREA 2** - 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.

d SERVICE LANDSCAPE LABORER ON NEW CONSTRUCTION MAY WORK ANY FIVE (5) DAYS WITHIN A WEEK.

e GROUP 1(B) RECEIVES AN ADDITIONAL AMOUNT EACH DAY. SEE PAGE 50 FOR DETAILS.

f WHEN THREE SHIFTS ARE EMPLOYED FOR FIVE (5) OR MORE CONSECUTIVE DAYS, SEVEN AND ONE-HALF (7 ½) CONSECUTIVE HOURS (EXCLUSIVE OF MEAL PERIOD), SHALL CONSTITUTE A DAY OF WORK, FOR WHICH EIGHT (8) TIMES THE STRAIGHT TIME HOURLY RATE SHALL BE PAID AT THE NON-SHIFT WAGE RATE FOR THE SECOND SHIFT. THE THIRD SHIFT SHALL BE SEVEN (7) HOURS OF WORK FOR EIGHT (8) HOURS PAY AT THE NON-SHIFT WAGE RATE.

g ZONE PAY AT THREE DOLLARS (\$3.00) PER HOUR, FACTORED AT THE APPLICABLE OVERTIME MULTIPLE, WILL BE ADDED TO THE BASE RATE FOR WORK PERFORMED OUTSIDE THE FREE ZONE DESCRIBED BY THE BOUNDARIES ALONG TOWNSHIP AND RANGE LINES. PLEASE SEE TRAVEL AND SUBSISTENCE PROVISION FOR MAP DESCRIPTION AND EXCEPTIONS.

**RECOGNIZED HOLIDAYS:** HOLIDAYS UPON WHICH THE GENERAL PREVAILING HOURLY WAGE RATE FOR HOLIDAY WORK SHALL BE PAID, SHALL BE ALL HOLIDAYS IN THE COLLECTIVE BARGAINING AGREEMENT, APPLICABLE TO THE PARTICULAR CRAFT, CLASSIFICATION, OR TYPE OF WORKER EMPLOYED ON THE PROJECT, WHICH IS ON FILE WITH THE DIRECTOR OF INDUSTRIAL RELATIONS. IF THE PREVAILING RATE IS NOT BASED ON A COLLECTIVELY BARGAINED RATE, THE HOLIDAYS UPON WHICH THE PREVAILING RATE SHALL BE PAID SHALL BE AS PROVIDED IN SECTION 6700 OF THE GOVERNMENT CODE. YOU MAY OBTAIN THE HOLIDAY PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/DPREWAGEDETERMINATION.HTM](http://www.dir.ca.gov/OPRL/DPREWAGEDETERMINATION.HTM). HOLIDAY PROVISIONS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR – RESEARCH UNIT AT (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** IN ACCORDANCE WITH LABOR CODE SECTIONS 1773.1 AND 1773.9, CONTRACTORS SHALL MAKE TRAVEL AND/OR SUBSISTENCE PAYMENTS TO EACH WORKER TO EXECUTE THE WORK. YOU MAY OBTAIN THE TRAVEL AND/OR SUBSISTENCE PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/DPREWAGEDETERMINATION.HTM](http://www.dir.ca.gov/OPRL/DPREWAGEDETERMINATION.HTM). TRAVEL AND/OR SUBSISTENCE REQUIREMENTS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR – RESEARCH UNIT AT (415) 703-4774.

**CONSTRUCTION SPECIALIST**

ASPHALT IRONERS AND RAKERS  
CHAINSAW  
CONCRETE DIAMOND CHAINSAW  
LASER BEAM IN CONNECTION WITH LABORER'S WORK  
MASONRY AND PLASTER TENDER  
MECHANICAL PIPE LAYER-ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER  
CAST IN PLACE MANHOLE FORM SETTERS  
PRESSURE PIPELAYERS  
DAVIS TRENCHER – 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS)  
STATE LICENSED BLASTERS AS DESIGNATED  
DIAMOND DRILLERS  
DIAMOND CORE DRILLER  
MULTIPLE UNIT DRILLS  
HIGH SCALERS (INCLUDING DRILLING OF SAME)  
HYDRAULIC DRILLS  
CERTIFIED WELDER

**GROUP 1** (FOR CONTRA COSTA COUNTY ONLY, USE GROUP 1 (G) FOR SOME OF THE FOLLOWING CLASSIFICATIONS)

ASPHALT SPREADER BOXES (ALL TYPES)  
BARKO, WACKER AND SIMILAR TYPE TAMPERS  
BUGGYMOBILE  
CAULKERS, BANDERS, PIPEWRAPPERS, CONDUIT LAYERS, PLASTIC PIPE LAYERS  
CERTIFIED ASBESTOS AND MOLD REMOVAL WORKER  
CERTIFIED HAZARDOUS WASTE WORKER (INCLUDING LEAD ABATEMENT)  
COMPACTORS OF ALL TYPES  
CONCRETE AND MAGNESITE MIXER AND ½ YARD  
CONCRETE PAN WORK  
CONCRETE SANDERS, CONCRETE SAW  
CRIBBERS AND/OR SHORING  
CUT GRANITE CURB SETTER  
DRI PAK-IT MACHINE  
FALLER, LOGLOADER AND BUCKER  
FORM RAISERS, SLIP FORMS  
GREEN CUTTERS  
HEADERBOARD MEN, HUBSETTERS, ALIGNERS BY ANY METHOD  
HIGH PRESSURE BLOW PIPE (1-1/2" OR OVER, 100 LBS. PRESSURE/OVER)  
HYDRO SEEDER AND SIMILAR TYPE  
JACKHAMMER OPERATORS  
JACKING OF PIPE OVER 12 INCHES  
JACKSON AND SIMILAR TYPE COMPACTORS  
KETTLEMEN, POTMEN, AND MEN APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING DIPPING, OR HANDLING OF SUCH MATERIALS)  
LAGGING, SHEETING, WHALING, BRACING, TRENCH-JACKING, LAGGING HAMMER  
MAGNESITE, EPOXY RESIN, FIBER GLASS AND MASTIC WORKERS (WET/DRY)  
NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS  
PAVEMENT BREAKERS AND SPADERS, INCLUDING TOOL GRINDER  
PERMA CURBS  
PRECAST-MANHOLE SETTERS  
PIPELAYERS (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING)  
PRESSURE PIPE TESTER  
POST HOLE DIGGERS-AIR, GAS, AND ELECTRIC POWER BROOM SWEEPERS  
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  
SAND BLASTERS, POTMEN, GUNMEN, AND NOZZLEMEN  
SIGNALING AND RIGGING  
SKILLED WRECKER (REMOVING AND SALVAGING OF SASH, WINDOWS, DOORS, PLUMBING AND ELECTRIC FIXTURES)  
TANK CLEANERS  
TREE CLIMBERS  
TRENCHLESS TECHNOLOGY LABORER- PIPE INSTALLATION, BURSTING, RELINING, OR SIMILAR  
TRENCHLESS LABORER'S WORK, CAMERA CONTROLLER, CCTV  
TURBO BLASTER  
VIBRA-SCREED-BULL FLOAT IN CONNECTION WITH LABORER'S WORK  
VIBRATORS

**GROUP 1 (A)**

ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER & EXPLOSIVES OF WHATEVER TYPE, REGARDLESS OF METHOD USED FOR LOADING AND PLACING  
JOY DRILL MODEL TWM-2A  
GARDENER-DENVER MODEL DH 143 AND SIMILAR TYPE DRILLS  
TRACK DRILLERS  
JACK LEG DRILLERS  
WAGON DRILLERS  
MECHANICAL DRILLERS-ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER  
BLASTERS AND POWDERMAN  
TREE TOPPER  
BIT GRINDER

**GROUP 1 (B)** -- SEE GROUP 1 RATES

SEWER CLEANERS (ANY WORKMEN WHO HANDLE OR COME IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS) SHALL RECEIVE \$4.00 PER DAY ABOVE GROUP 1 WAGE RATES. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHALL RECEIVE \$5.00 PER DAY ABOVE GROUP 1 WAGE RATES.

**GROUP 1 (C)**

BURNING AND WELDING IN CONNECTION WITH LABORER'S WORK  
SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING

**GROUP 1 (D)**

SEE FOOTNOTE A ON PAGE 49

**GROUP 1 (E)**

WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS (DEEP FOOTINGS IS A HOLE 15 FEET OR MORE IN DEPTH)  
SHAFT IS AN EXCAVATION OVER FIFTEEN (15) FEET DEEP OF ANY TYPE

**GROUP 1 (G) APPLIES ONLY TO WORK IN CONTRA COSTA COUNTY**

PIPELAYERS (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING), CAULKERS, BANDERS, PIPEWRAPPERS, CONDUIT LAYERS, 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 IN CONTRA COSTA COUNTY ONLY

**GROUP 1 (H)**

SEE FOOTNOTE A ON PAGE 49

**GROUP 2**

ASPHALT SHOVELERS  
CEMENT DUMPERS AND HANDLING DRY CEMENT OR GYPSUM  
CHOKE-SETTER AND RIGGER (CLEARING WORK)  
CONCRETE BUCKET DUMPER AND CHUTEMAN  
CONCRETE CHIPPING AND GRINDING  
CONCRETE LABORERS (WET OR DRY)  
DRILLERS HELPER, CHUCK TENDER, NIPPER (ONE CHUCKTENDER ON SINGLE MACHINE OPERATION WITH MINIMUM OF ONE CHUCKTENDER FOR EACH TWO MACHINES ON MULTIPLE MACHINE OPERATION. JACKHAMMERS IN NO WAY INVOLVED IN THIS ITEM.)  
GUINEA CHASER (STAKEMAN), GROUT CREW  
HIGH PRESSURE NOZZLEMAN, ADDUCTORS  
HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE)  
LOADING AND UNLOADING, CARRYING AND HANDLING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION  
PITTSBURGH CHIPPER, AND SIMILAR TYPE BRUSH SHREDDERS  
SEMI-SKILLED WRECKER (SALVAGING OF OTHER BUILDING MATERIALS) – SEE ALSO SKILLED WRECKER (GROUP 1)  
SLOPER  
SINGLEFOOT, 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 LABORERS, GENERAL LABORERS AND CLEANUP LABORERS  
DEMOLITION WORKER  
DUMPMAN, LOAD SPOTTER  
FLAGPERSON/PEDESTRIAN MONITOR  
FIRE WATCHER  
FENCE ERECTORS, INCLUDING TEMPORARY FENCING  
GUARDRAIL ERECTORS  
GARDENER, HORTICULTURAL AND LANDSCAPE LABORERS (SEE GROUP 4, FOR LANDSCAPE MAINTENANCE ON NEW CONSTRUCTION DURING PLANT ESTABLISHMENT PERIOD)  
JETTING  
LIMBERS, BRUSH LOADERS, AND PILERS  
PAVEMENT MARKERS (BUTTON SETTERS)  
PAVERS/INTERLOCKING PAVERS (ALL TYPES) AND INTERLOCKING PAVER MACHINES  
MAINTENANCE, REPAIR TRACKMEN AND ROAD BEDS  
STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORERS  
TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR  
TOOL ROOM ATTENDANT (JOBSITE ONLY)  
TREE REMOVAL  
WHEELBARROW, INCLUDING POWER DRIVEN

**GROUP 3 (A)** -- SEE GROUP 3 RATES

COMPOSITE CREW PERSON (OPERATION OF VEHICLES, WHEN IN CONJUNCTION WITH LABORER'S DUTIES)

**GROUP 4**

ALL FINAL CLEANUP OF DEBRIS, GROUNDS AND BUILDINGS NEAR THE COMPLETION OF THE PROJECT INCLUDING BUT NOT LIMITED TO STREET CLEANERS (NOT APPLICABLE TO ENGINEERING OR HEAVY HIGHWAY PROJECTS)  
CLEANING AND WASHING WINDOWS (NEW CONSTRUCTION ONLY), SERVICE LANDSCAPE LABORERS (SUCH AS GARDENER, HORTICULTURE, MOWING, TRIMMING, REPLANTING, WATERING DURING PLANT ESTABLISHMENT PERIOD) ON NEW CONSTRUCTION  
BRICK CLEANERS (JOB SITE ONLY)  
MATERIAL CLEANERS (JOB SITE ONLY)

**NOTE:** AN ADDITIONAL DETERMINATION FOR LANDSCAPE MAINTENANCE WORK AFTER THE PLANT ESTABLISHMENT PERIOD OR WARRANTY PERIOD IS PUBLISHED ON PAGE 57 OF THESE GENERAL DETERMINATIONS.

**GROUP 6**

STRUCTURAL NOZZLEMAN

**GROUP 6 (A)**

NOZZLEMAN (INCLUDING GUNMAN, POTMAN)  
RODMAN  
GROUNDMAN

**GROUP 6 (B)** -- SEE GROUP 4 RATES

GUNITE TRAINEE (ONE GUNITE LABORER SHALL BE ALLOWED FOR EACH THREE (3) JOURNEYMAN (GROUP 6, 6A, 6C, OR GENERAL LABORER) ON A CREW. IN THE ABSENCE OF THE JOURNEYMAN, THE GUNITE TRAINEE RECEIVES THE JOURNEYMAN SCALE.).  
NOTE: THIS RATIO APPLIES ONLY TO WORK ON THE SAME JOB SITE.

**GROUP 6 (C)**

REBOUNDMAN

**GROUP 6 (D)**

ALIGNER OF WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE

**GROUP 6 (E)**

ALIGNER HELPER OF WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE

**GROUP 7**

ENTRY LEVEL LANDSCAPE LABORER (RATIO FOR ENTRY LEVEL IS ONE IN THREE. AT LEAST ONE SECOND PERIOD ENTRY LEVEL AND AT LEAST ONE THIRD PERIOD ENTRY LEVEL MUST BE EMPLOYED BEFORE EMPLOYING ANOTHER FIRST PERIOD TRAINEE).  
NOTE: THIS RATIO APPLIES ONLY TO WORK ON THE SAME JOB SITE.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1  
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: #LABORER AND RELATED CLASSIFICATIONS (Special Single and Second Shift)**

**DETERMINATION:** NC-23-102-1-2020-1A

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** June 28, 2020\*\* 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 Office of the Director-Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Marin, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

Classification <sup>a</sup> (Journey person)	Basic Hourly Rate <sup>f</sup>	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation and Holiday	Training	Other Payments	Hours	Total Hourly Rate	Daily 1 1/2X	Saturday <sup>b</sup> 1 1/2X	Sunday/ Holiday 2X
<b>AREA 1<sup>c</sup></b>											
Construction Specialist	35.49	8.50	12.55	3.05	0.50	0.25	8	60.34	78.09	78.09	95.83
Group 1; Group 1(B) <sup>c</sup>	34.79	8.50	12.55	3.05	0.50	0.25	8	59.64	77.04	77.04	94.43
Group 1 (A)	35.01	8.50	12.55	3.05	0.50	0.25	8	59.86	77.37	77.37	94.87
Group 1 (C)	34.84	8.50	12.55	3.05	0.50	0.25	8	59.69	77.11	77.11	94.53
Group 1 (E)	35.34	8.50	12.55	3.05	0.50	0.25	8	60.19	77.86	77.86	95.53
Group 1 (G)	34.99	8.50	12.55	3.05	0.50	0.25	8	59.84	77.34	77.34	94.83
Group 2	34.64	8.50	12.55	3.05	0.50	0.25	8	59.49	76.81	76.81	94.13
Group 3; Group 3(A)	34.54	8.50	12.55	3.05	0.50	0.25	8	59.39	76.66	76.66	93.93
Group 4; Group 6(B)	28.23	8.50	12.55	3.05	0.50	0.25	8	53.08	67.20 <sup>d</sup>	67.20 <sup>d</sup>	81.31 <sup>d</sup>
Group 6	35.75	8.50	12.55	3.05	0.50	0.25	8	60.60	78.48	78.48	96.35
Group 6 (A)	35.25	8.50	12.55	3.05	0.50	0.25	8	60.10	77.73	77.73	95.35
Group 6 (C)	34.66	8.50	12.55	3.05	0.50	0.25	8	59.51	76.84	76.84	94.17
Group 6 (D)	35.37	8.50	12.55	3.05	0.50	0.25	8	60.22	77.91	77.91	95.59
Group 6 (E)	34.39	8.50	12.55	3.05	0.50	0.25	8	59.24	76.44	76.44	93.63
Group 7 – Stage 1 (1 <sup>st</sup> 6 months)	25.08	8.50	12.55	3.05	0.50	0.25	8	49.93	62.47	62.47	75.01
Stage 2 (2 <sup>nd</sup> 6 months)	28.23	8.50	12.55	3.05	0.50	0.25	8	53.08	67.20	67.20	81.31
Stage 3 (3 <sup>rd</sup> 6 months)	31.39	8.50	12.55	3.05	0.50	0.25	8	56.24	71.94	71.94	87.63
<b>AREA 2<sup>c</sup></b>											
Construction Specialist	34.49	8.50	12.55	3.05	0.50	0.25	8	59.34	76.59	76.59	93.83
Group 1; Group 1(B) <sup>c</sup>	33.79	8.50	12.55	3.05	0.50	0.25	8	58.64	75.54	75.54	92.43
Group 1 (A)	34.01	8.50	12.55	3.05	0.50	0.25	8	58.86	75.87	75.87	92.87
Group 1 (C)	33.84	8.50	12.55	3.05	0.50	0.25	8	58.69	75.61	75.61	92.53
Group 1 (E)	34.34	8.50	12.55	3.05	0.50	0.25	8	59.19	76.36	76.36	93.53
Group 2	33.64	8.50	12.55	3.05	0.50	0.25	8	58.49	75.31	75.31	92.13
Group 3; Group 3(A)	33.54	8.50	12.55	3.05	0.50	0.25	8	58.39	75.16	75.16	91.93
Group 4; Group 6(B)	27.23	8.50	12.55	3.05	0.50	0.25	8	52.08	65.70 <sup>d</sup>	65.70 <sup>d</sup>	79.31 <sup>d</sup>
Group 6	34.75	8.50	12.55	3.05	0.50	0.25	8	59.60	76.98	76.98	94.35
Group 6 (A)	34.25	8.50	12.55	3.05	0.50	0.25	8	59.10	76.23	76.23	93.35
Group 6 (C)	33.66	8.50	12.55	3.05	0.50	0.25	8	58.51	75.34	75.34	92.17
Group 6 (D)	34.37	8.50	12.55	3.05	0.50	0.25	8	59.22	76.41	76.41	93.59
Group 6 (E)	33.39	8.50	12.55	3.05	0.50	0.25	8	58.24	74.94	74.94	91.63
Group 7 – Stage 1 (1 <sup>st</sup> 6 months)	24.38	8.50	12.55	3.05	0.50	0.25	8	49.23	61.42	61.42	73.61
Stage 2 (2 <sup>nd</sup> 6 months)	27.43	8.50	12.55	3.05	0.50	0.25	8	52.28	66.00	66.00	79.71
Stage 3 (3 <sup>rd</sup> 6 months)	30.49	8.50	12.55	3.05	0.50	0.25	8	55.34	70.59	70.59	85.83

PLEASE GO TO PAGE 50 FOR CLASSIFICATIONS WITHIN EACH GROUP

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.

- a GROUP 1(D) - MAINTENANCE OR REPAIR TRACKMEN AND ROAD BEDS AND ALL EMPLOYEES PERFORMING WORK COVERED BY THIS CLASSIFICATION SHALL RECEIVE \$0.25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS SHALL NOT APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. THIS SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER TEMPORARY COVER HAS BEEN PLACED.
- GROUP 1(H) - ALL LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS RECEIVE \$0.50 PER HOUR ABOVE THEIR APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO LABORERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1(A).
- b SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER, MAJOR MECHANICAL BREAKDOWN OR LACK OF MATERIALS BEYOND THE CONTROL OF THE EMPLOYER.
- c **AREA 1** - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES.  
**AREA 2** - 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.
- d SERVICE LANDSCAPE LABORER ON NEW CONSTRUCTION MAY WORK ANY FIVE (5) DAYS WITHIN A WEEK.
- e GROUP 1(B) RECEIVES AN ADDITIONAL AMOUNT EACH DAY. SEE PAGE 50 FOR DETAILS.
- f ZONE PAY AT THREE DOLLARS (\$3.00) PER HOUR, FACTORED AT THE APPLICABLE OVERTIME MULTIPLE, WILL BE ADDED TO THE BASE RATE FOR WORK PERFORMED OUTSIDE THE FREE ZONE DESCRIBED BY THE BOUNDARIES ALONG TOWNSHIP AND RANGE LINES. PLEASE SEE TRAVEL AND SUBSISTENCE PROVISIONS FOR MAP DESCRIPTION AND EXCEPTIONS.

**RECOGNIZED HOLIDAYS:** HOLIDAYS UPON WHICH THE GENERAL PREVAILING HOURLY WAGE RATE FOR HOLIDAY WORK SHALL BE PAID, SHALL BE ALL HOLIDAYS IN THE COLLECTIVE BARGAINING AGREEMENT, APPLICABLE TO THE PARTICULAR CRAFT, CLASSIFICATION, OR TYPE OF WORKER EMPLOYED ON THE PROJECT, WHICH IS ON FILE WITH THE DIRECTOR OF INDUSTRIAL RELATIONS. IF THE PREVAILING RATE IS NOT BASED ON A COLLECTIVELY BARGAINED RATE, THE HOLIDAYS UPON WHICH THE PREVAILING RATE SHALL BE PAID SHALL BE AS PROVIDED IN SECTION 6700 OF THE GOVERNMENT CODE. YOU MAY OBTAIN THE HOLIDAY PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/DPREWAGEDETERMINATION.HTM](http://www.dir.ca.gov/OPRL/DPREWAGEDETERMINATION.HTM). HOLIDAY PROVISIONS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR – RESEARCH UNIT AT (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** IN ACCORDANCE WITH LABOR CODE SECTIONS 1773.1 AND 1773.9, CONTRACTORS SHALL MAKE TRAVEL AND/OR SUBSISTENCE PAYMENTS TO EACH WORKER TO EXECUTE THE WORK. YOU MAY OBTAIN THE TRAVEL AND/OR SUBSISTENCE PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/DPREWAGEDETERMINATION.HTM](http://www.dir.ca.gov/OPRL/DPREWAGEDETERMINATION.HTM). TRAVEL AND/OR SUBSISTENCE REQUIREMENTS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR – RESEARCH UNIT AT (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: TRAFFIC CONTROL/LANE CLOSURE (LABORER) <sup>h</sup>**  
**AND**  
**# PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)**

**DETERMINATION:** NC-23-102-13-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** June 28, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

Classification (Journey person)	Basic Hourly Rate	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare <sup>e</sup>	Pension <sup>a</sup>	Vacation and Holiday <sup>b</sup>	Training	Other Payments	Hours	Total Hourly Rate	Daily <sup>f</sup>	Saturday <sup>c,f</sup>	Sunday And Holiday <sup>g</sup>
<b><u>TRAFFIC CONTROL AND RELATED CLASSIFICATIONS</u></b>											
<b>AREA 1 <sup>d</sup></b>											
Traffic Control Person I	32.02	8.50	12.55	3.05	0.50	0.25	8	56.87	72.88	72.88	88.89
Traffic Control Person II	29.52	8.50	12.55	3.05	0.50	0.25	8	54.37	69.13	69.13	83.89
Construction Zone Traffic Control Pilot Car, Flag Person	31.72	8.50	12.55	3.05	0.50	0.25	8	56.57	72.43	72.43	88.29
<b>AREA 2 <sup>d</sup></b>											
Traffic Control Person I	31.02	8.50	12.55	3.05	0.50	0.25	8	55.87	71.38	71.38	86.89
Traffic Control Person II	28.52	8.50	12.55	3.05	0.50	0.25	8	53.37	67.63	67.63	81.89
Construction Zone Traffic Control Pilot Car, Flag Person	30.72	8.50	12.55	3.05	0.50	0.25	8	55.57	70.93	70.93	86.29

**DETERMINATION:** NC-23-102-13-2020-1A

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** June 28, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, and Yuba Counties.

**STRIPER AND RELATED CLASSIFICATIONS**

Classification (Journey person)	Basic Hourly Rate	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health <sup>e</sup> and Welfare	Pension <sup>a</sup>	Vacation and Holiday <sup>b</sup>	Training	Other Payments	Hours	Total Hourly Rate	Daily <sup>f</sup>	Saturday <sup>c,f</sup>	Sunday and Holiday <sup>g</sup>
Group 1	34.91	8.50	11.94	3.05	0.50	0.22	8	59.12	76.575	76.575	94.03
Group 2	33.41	8.50	11.94	3.05	0.50	0.22	8	57.62	74.325	74.325	91.03
Group 3	31.66	8.50	11.94	3.05	0.50	0.22	8	55.87	71.70	71.70	87.53
Group 4	29.56	8.50	11.94	3.05	0.50	0.22	8	53.77	68.55	68.55	83.33

**Group 1**  
Traffic Striping Applicator

**Group 2**  
Traffic Delineating Device Applicator  
Traffic Protective System Installer  
Pavement Markings Applicator  
Decorative Asphalt Surfacing Applicator

**Group 3**  
Traffic Surface Abrasive Blaster  
Pot Tender

**Group 4**  
Parking Lots, Game Courts & Playground  
Striping Applicator  
Decorative Asphalt Surfacing Laborer

Footnotes are listed on page 44A

**Determination:** NC-23-102-13-2020-1 and NC-23-102-13-2020-1A

- # Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>.
- a Includes an amount for the Annuity Trust Fund.
- b Includes an amount for Supplemental Dues.
- c Saturdays or scheduled sixth (6<sup>th</sup>) consecutive work day in the same work week may be worked at straight-time if the job is shut down during the normal work week due to inclement weather, major mechanical breakdown or lack of materials beyond the control of the employer.
- d **AREA 1** - Alameda, Contra Costa, Marin, San Francisco, San Mateo and Santa Clara Counties.  
**AREA 2** - 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.
- e Includes an amount for Retiree Health & Welfare
- f One and one-half (1-1/2) the straight time hourly rate of pay shall be paid for all work performed in excess of forty hours (40) a week or eight hours (8) a day and the sixth (6<sup>th</sup>) consecutive day worked or Saturdays.
- g Two times (2x) the straight time hourly rate of pay shall be paid for all work performed on the seventh (7<sup>th</sup>) consecutive day worked, or Sundays and holidays.
- h The rates of the Laborer classifications for the craft of Traffic Control/Lane Closure (Laborer) do not apply to traffic control work associated with parking and highway improvement projects in San Joaquin, Tuolumne, and Yolo Counties. For traffic control work associated with parking and highway improvement projects in these three counties, the minimum rate of pay is that of the Painter classifications for the craft of Parking and Highway Improvement Painter (Painter).

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Prevailing Wage Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Prevailing Wage Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: # CEMENT MASON**

**DETERMINATION:** NC-23-203-1-2019-1

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba counties.

CLASSIFICATION (JOURNEYPERSON)	Basic Hourly Rate	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours <sup>b</sup>	Total Hourly Rate	Daily 1 1/2X	Saturday <sup>c</sup> 1 1/2X	Sunday and Holiday
Cement Mason	\$37.10	8.50	11.21	5.91 <sup>a</sup>	0.59	0.10	8	63.41	81.96	81.96 <sup>d</sup>	100.51
Mastic Magnesite Gypsum, Epoxy, Polyester, Resin and all composition masons, swing or slip form scaffolds	\$38.10	8.50	11.21	5.91 <sup>a</sup>	0.59	0.10	8	64.41	83.46	83.46 <sup>d</sup>	102.51

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

<sup>a</sup> Includes an amount for supplemental dues.

<sup>b</sup> Where multiple shifts are worked, the day shift shall work eight (8) hours and for such work they shall be paid the regular straight time rate for eight (8) hours; the second (2<sup>nd</sup>) shift shall work seven and one-half (7 ½) hours, and for such work they shall be paid the regular straight time rate for eight (8) hours; if a third (3<sup>rd</sup>) shift is worked, they shall work seven (7) hours and for such work they shall be paid eight (8) hours regular straight time pay. No multiple shift shall be started for less than five (5) consecutive days.

<sup>c</sup> Saturdays in the same work week may be worked at straight time if a job is shut down during the normal work week due to inclement weather or major mechanical breakdown (limited to curb and gutter machine, concrete pump, and concrete plant).

<sup>d</sup> Rate applies to the first 8 hours of work on Saturday. All other hours worked on Saturday are paid at the Sunday/Holiday rate.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: # CEMENT MASON (SPECIAL SINGLE SHIFT)**

**DETERMINATION:** NC-23-203-1A-2019-1

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba counties.

CLASSIFICATION (JOURNEYPERSON)	Basic Hourly Rate	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours	Total Hourly Rate	Daily 1 1/2X	Saturday <sup>b</sup> 1 1/2X	Sunday and Holiday
Cement Mason	\$40.10	8.50	11.21	5.91 <sup>a</sup>	0.59	0.10	8	66.41	86.46	86.46 <sup>c</sup>	106.51
Mastic Magnesite Gypsum, Epoxy, Polyester, Resin and all composition masons, swing or slip form scaffolds	\$41.10	8.50	11.21	5.91 <sup>a</sup>	0.59	0.10	8	67.41	87.96	87.96 <sup>c</sup>	108.51

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

<sup>a</sup> Includes an amount for supplemental dues.

<sup>b</sup> Saturdays in the same work week may be worked at straight time if a job is shut down during the normal work week due to inclement weather or major mechanical breakdown (limited to curb and gutter machine, concrete pump, and concrete plant).

<sup>c</sup> Rate applies to the first 8 hours of work on Saturday. All other hours worked on Saturday are paid at the Sunday/Holiday rate.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: TEAMSTER (APPLIES ONLY TO WORK ON THE CONSTRUCTION SITE)**

**DETERMINATION:** NC-23-261-1-2019-1

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for new rates after 10 days from the expiration date, if no subsequent determination is issued.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

Classification <sup>g</sup> (Journey person)	Basic Hourly Rate	Employer Payments					Straight-Time Hours	Total Hourly Rate	Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation/ Holiday	Training Payments	Other Payments			Daily 1 1/2X	Saturday <sup>b</sup> 1 1/2X	Sunday/ Holiday 2X
Group 1	\$32.80	\$18.44	\$7.00	\$2.30	\$0.90	<sup>a</sup> \$0.63	8	\$62.07	\$78.47	\$78.47	\$94.87
Group 2	33.10	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	62.37	78.92	78.92	95.47
Group 3	33.40	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	62.67	79.37	79.37	96.07
Group 4	33.75	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	63.02	79.895	79.895	96.77
Group 5	34.10	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	63.37	80.42	80.42	97.47
Group 6	USE DUMP TRUCK YARDAGE RATE										
Group 7	USE APPROPRIATE RATE FOR THE POWER UNIT OR THE EQUIPMENT UTILIZED										
Group 8 (Trainee) <sup>c</sup>											
	<sup>d</sup> Step I – 1 <sup>st</sup> 1000 Hours										
	<sup>e</sup> Step II – 2 <sup>nd</sup> 1000 Hours										
	<sup>f</sup> Step III – 3 <sup>rd</sup> 1000 Hours										

<sup>a</sup> Supplemental Dues and Contract Administration.

<sup>b</sup> Saturday in the same work week may be worked at straight-time hourly rate if a job is shut down during the normal work week due to inclement weather or major mechanical breakdown, or lack of materials beyond the control of the Employer.

<sup>c</sup> An individual employer may employ one (1) trainee for every four (4) journey level Teamsters actively employed. Individual employers with less than four (4) journey level Teamsters may utilize one (1) trainee; thereafter, one (1) for every four (4) journey level Teamsters.

<sup>d</sup> Sixty-five percent (65%) of the Journey level wage for the type of equipment operated, plus full fringes without Vacation/Holiday.

<sup>e</sup> Seventy-five percent (75%) of the Journey level wage for the type of equipment operated, plus full fringes without Vacation/Holiday.

<sup>f</sup> Eighty-five percent (85%) of the Journey level wage for the type of equipment operated, plus full fringes without Vacation/Holiday.

<sup>g</sup> For classifications within each group, see page 56.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**DETERMINATION: NC-23-261-1-2019-1 and NC-23-261-1-2019-1A**

**CLASSIFICATIONS:**

**GROUP 1**

Dump Trucks under 6 yards  
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  
Snow Buggy  
Steam Cleaning  
Bus or Manhaul Driver  
Escort or Pilot Car Driver  
Pickup Truck  
Teamster Oiler/Greaser/and or Serviceman  
Hook Tenders  
Team Drivers  
Warehouseman  
Tool Room Attendant (Refineries)  
Fork Lift and Lift Jitneys  
Warehouse Clerk/Parts Man  
Fuel and/or Grease Truck Driver or Fuelman  
Truck Repair Helper  
Fuel Island Attendant, or Combination Pit and/or Grease Rack and Fuel Island Attendant

**GROUP 2**

Dump Trucks 6 yards Under 8 yards  
Transit Mixers through 10 yards  
Water Trucks Under 7000 gals.  
Jetting Trucks Under 7000 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 Bootman  
Buggymobile  
Ross, Hyster and similar Straddle Carrier  
Small Rubber Tired Tractor  
Truck Dispatcher

**GROUP 3**

Dump Trucks 8 yards and including 24 yards  
Transit Mixers Over 10 yards  
Water Trucks 7000 gals and over  
Jetting Trucks 7000 gals and over  
Vacuum Trucks under 7500 gals  
Trucks Towing Tilt Bed or Flat Bed Pull Trailers  
Heavy Duty Transport Tiller Man  
Tire Repairman

**GROUP 3 (continued)**

Truck Mounted Self Propelled Street Sweeper with or without Self-Contained Refuse Bin and or Vacuum Unit  
Boom Truck - Hydro-Lift or Swedish Type Extension or Retracting Crane  
P.B. or Similar Type Self Loading Truck  
Combination Bootman and Road Oiler  
Dry Distribution Truck (A Bootman when employed on such equipment, shall receive the rate specified for the classification of Road Oil Trucks or Bootman)  
Ammonia Nitrate Distributor, Driver and Mixer  
Snow Go and/or Plow

**GROUP 4**

Dump Trucks over 25 yards and under 65 yards  
Vacuum Trucks 7500 gals and over.  
Truck Repairman  
Water Pulls - DW 10s, 20s, 21s and other similar equipment when pulling Aqua/pak or Water Tank Trailers  
Helicopter Pilots  
Lowbed Heavy Duty Transport (up to and including 7 axles)  
DW 10s, 20s, 21s 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

**GROUP 5**

Dump Truck 65 yards and over  
Holland Hauler  
Lowbed Heavy Duty Transport (over 7 axles)

**GROUP 6** (Use dump truck yardage rate)

Articulated Dump Truck  
Bulk Cement Spreader (w/ or w/o Auger)  
Dumpcrete Truck  
Skid Truck (Debris Box)  
Dry Pre-Batch Concrete Mix Trucks  
Dumpster or Similar Type  
Slurry Truck

**GROUP 7** (Use appropriate Rate for the Power Unit or the Equipment Utilized)

Heater Planer  
Asphalt Burner  
Scarifier Burner  
Fire Guard  
Industrial Lift Truck (mechanical tailgate)  
Utility and Clean-up Truck  
Composite Crewman

**GROUP 8**

Trainee

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: TEAMSTER (SPECIAL SINGLE SHIFT RATE)**  
**(APPLIES ONLY TO WORK ON THE CONSTRUCTION SITE)**

**DETERMINATION:** NC-23-261-1-2019-1A

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for new rates after 10 days from the expiration date, if no subsequent determination is issued.

**LOCALITY:** All Localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

Classification <sup>g</sup> (Journey person)	Basic Hourly Rate	Employer Payments					Straight-Time Hours	Overtime Hourly Rate			
		Health and Welfare	Pension	Vacation/ Holiday	Training Other Payments	Other Payments		Total Hourly Rate	Daily 1 1/2X	Saturday <sup>b</sup> 1 1/2X	Sunday/ Holiday 2X
Group 1	\$34.80	\$18.44	\$7.00	\$2.30	\$0.90	<sup>a</sup> \$0.63	8	\$64.07	\$81.47	\$81.47	\$98.87
Group 2	35.10	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	64.37	81.92	81.92	99.47
Group 3	35.40	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	64.67	82.37	82.37	100.07
Group 4	35.75	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	65.02	82.895	82.895	100.77
Group 5	36.10	18.44	7.00	2.30	0.90	<sup>a</sup> 0.63	8	65.37	83.42	83.42	101.47
Group 6	USE DUMP TRUCK YARDAGE RATE										
Group 7	USE APPROPRIATE RATE FOR THE POWER UNIT OR THE EQUIPMENT UTILIZED										
Group 8 (Trainee) <sup>c</sup>											
<sup>d</sup> Step I – 1 <sup>st</sup> 1000 Hours											
<sup>e</sup> Step II – 2 <sup>nd</sup> 1000 Hours											
<sup>f</sup> Step III – 3 <sup>rd</sup> 1000 Hours											

<sup>a</sup> Supplemental Dues and Contract Administration.

<sup>b</sup> Saturday in the same work week may be worked at straight-time hourly rate if a job is shut down during the normal work week due to inclement weather or major mechanical breakdown, or lack of materials beyond the control of the Employer.

<sup>c</sup> An individual employer may employ one (1) trainee for every four (4) journey level Teamsters actively employed. Individual employers with less than four (4) journey level Teamsters may utilize one (1) trainee; thereafter, one (1) for every four (4) journey level Teamsters.

<sup>d</sup> Sixty-five percent (65%) of the Journey level wage for the type of equipment operated, plus full fringes without Vacation/Holiday.

<sup>e</sup> Seventy-five percent (75%) of the Journey level wage for the type of equipment operated, plus full fringes without Vacation/Holiday.

<sup>f</sup> Eighty-five percent (85%) of the Journey level wage for the type of equipment operated, plus full fringes without Vacation/Holiday.

<sup>g</sup> For classifications within each group, see page 56.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: TREE MAINTENANCE<sup>1</sup> (LABORER)**

**(APPLIES ONLY TO ROUTINE TREE MAINTENANCE WORK, NOT CONSTRUCTION AND/OR LANDSCAPE CONSTRUCTION<sup>2</sup>)**

**DETERMINATION:** NC-102-X-21-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**Locality:** All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

CLASSIFICATION(s) <sup>a</sup> (Journey person)	Employer Payments						Straight-Time		Overtime Hourly Rate	
	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours	Total Hourly Rate	Daily 1 1/2X <sup>b</sup>	Sunday/ Holiday 2X
<b>AREA 1<sup>c</sup></b>										
Senior Tree Trimmer	\$26.10	\$6.00	\$0.90	\$2.07	-	\$0.05	8	\$35.12	\$48.17	\$61.22
Tree Trimmer	\$23.10	\$6.00	\$0.90	\$1.87	-	\$0.05	8	\$31.92	\$43.47	\$55.02
Grounds person	\$20.10	\$6.00	\$0.90	\$1.72	-	\$0.05	8	\$28.77	\$38.82	\$48.87
<b>AREA 2<sup>c</sup></b>										
Senior Tree Trimmer	\$21.60	\$6.00	\$0.90	\$2.07	-	\$0.05	8	\$30.62	\$41.42	\$52.22
Tree Trimmer	\$20.10	\$6.00	\$0.90	\$1.87	-	\$0.05	8	\$28.92	\$38.97	\$49.02
Grounds person	\$18.10	\$6.00	\$0.90	\$1.72	-	\$0.05	8	\$26.77	\$35.82	\$44.87

<sup>a</sup> There shall be at least one Senior Tree Trimmer on crews of three or more.

<sup>b</sup> Monday thru Saturday shall constitute a workweek. Rate applies to first 4 overtime hours Monday thru Saturday, and all time worked in excess of forty (40) hours per workweek. All other time is paid at the Sunday and Holiday double-time rate.

<sup>c</sup> **AREA 1** – MARIN, MONTEREY, NAPA, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, AND SONOMA COUNTIES.

**AREA 2** – ALAMEDA, ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, CONTRA COSTA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN JOAQUIN, SHASTA, SIERRA, SISKIYOU, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO, AND YUBA COUNTIES.

<sup>1</sup> This determination does not apply to the work of a landscape laborer employed on landscape construction (work incidental to construction or post-construction maintenance during the plant installation and establishment period) or to tree trimming work involving line clearance.

<sup>2</sup> This determination does not apply to tree trimming, removal, or planting work performed on construction or landscape construction contracts.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the internet at <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the internet at <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS  
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: # PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER) <sup>a</sup>**

**DETERMINATION:** NC-200-X-17-2019-2

**ISSUE DATE:** August 22, 2019

**EXPIRATION DATE OF DETERMINATION:** June 30, 2020\*\* 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 Office of the Director – Research Unit for specific rates at (415) 703-4774.

**LOCALITY:** All localities within San Joaquin, Tuolumne, and Yolo counties.

CLASSIFICATION	Basic Hourly Rate	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation/ Holiday <sup>c</sup>	Training	Other	Hours	Total Hourly Rate	Daily 1 1/2X	2X	Holiday 2X
Striper; Layout and application of painted traffic stripes; hot thermo plastic; tape traffic stripes	<sup>b</sup> 37.68	10.25	5.68	-	0.10	-	8	53.71	<sup>d</sup> 72.55	91.39	91.39
Parking Lots, Gamecourts, Playgrounds	<sup>b</sup> 32.03	10.25	5.68	-	0.10	-	8	48.06	<sup>d</sup> 64.08	80.09	80.09
Protective Coating, Resurfacing, Pavement Sealing, Including Repair When Done in Conjunction With Pavement Sealing	<sup>b</sup> 32.40	10.25	5.68	-	0.10	-	8	48.43	<sup>d</sup> 64.63	80.83	80.83

# Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at

<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

<sup>a</sup> The minimum rate of pay for traffic control work associated with parking and highway improvement projects is that of the Painter classifications for the craft of Parking and Highway Improvement Painter (Painter) in San Joaquin, Tuolumne, and Yolo Counties.

<sup>b</sup> Includes an amount withheld for Dues Check-Off.

<sup>c</sup> Included in Basic Hourly Rate (\$2.24). Rate applies to the first 9 years of employment only; \$2.63 per hour worked for 10 years or more.

<sup>d</sup> Rate applies to first 4 overtime hours in any one day and for work in excess of 40 hours in any one designated work week. All other overtime is paid at the double time rate.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**CRAFT: LANDSCAPE MAINTENANCE LABORER**

(APPLIES ONLY TO ROUTINE LANDSCAPE MAINTENANCE WORK NOT NEW LANDSCAPE CONSTRUCTION)<sup>1</sup>

**DETERMINATION:** NC-LML-2020-1

**ISSUE DATE:** February 22, 2020

**EXPIRATION DATE OF DETERMINATION:** March 31, 2020\* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

LOCALITY:	Employer Payments						Straight -Time		Overtime
	Basic Hourly Rate	Health and Welfare	Pension	Vacation	Holiday	Training	Hours	Total Hourly Rate	1 1/2x
Alameda.....	13.00	0.43	-	<sup>a</sup> 0.14	0.24	-	8	<sup>b</sup> 13.81	<sup>b</sup> 20.31
Alpine, El Dorado.....	13.00	-	-	0.12	0.14	-	8	13.26	19.76
	13.00	-	-	0.14	0.16	-	8	13.30	19.80
Amador.....	13.00	-	-	0.16	0.06	-	8	13.22	19.72
Butte, Glenn, and Plumas.....	13.00	0.16	-	<sup>c</sup> 0.13	0.05	-	8	<sup>b</sup> 13.34	<sup>b</sup> 19.84
Calaveras.....	13.00	-	-	0.10	0.12	-	8	13.22	19.72
Colusa and Sutter.....	13.00	-	-	0.12	0.14	-	8	13.26	19.76
	13.00	-	-	0.14	0.16	-	8	13.30	19.80
Contra Costa.....	13.00	-	-	-	0.12	-	8	13.12	19.62
Del Norte and Humboldt.....	13.00	-	-	0.25	0.07	-	8	13.32	19.82
Fresno.....	13.00	-	-	0.11	-	-	8	13.11	19.61
	13.00	-	-	<sup>d</sup> 0.19	0.19	-	8	<sup>b</sup> 13.38	<sup>b</sup> 19.88
Kings.....	13.00	-	-	<sup>e</sup> 0.25	0.25	-	8	<sup>b</sup> 13.50	<sup>b</sup> 20.00
Lake and Mendocino.....	13.00	-	-	<sup>f</sup> 0.13	0.03	-	8	<sup>b</sup> 13.16	<sup>b</sup> 19.66
	13.00	-	-	<sup>g</sup> 0.14	0.03	-	8	<sup>b</sup> 13.17	<sup>b</sup> 19.67
Lassen, Modoc, Shasta, Siskiyou and Trinity	13.00	-	-	0.31	0.09	-	8	13.40	19.90
Madera, Mariposa and Merced....	13.00	-	-	0.115	0.115	-	8	13.23	19.73
Marin.....	13.00	-	-	-	0.12	-	8	13.12	19.62
Monterey.....	13.00	-	-	0.14	0.22	-	8	13.36	19.86
	13.00	-	-	0.16	0.25	-	8	13.41	19.91
Napa.....	13.00	-	-	<sup>q</sup> 0.11	0.14	-	8	13.25	19.75
Nevada and Sierra.....	13.00	-	-	0.16	0.19	-	8	13.35	19.85
Placer.....	13.00	-	-	0.12	0.14	-	8	13.26	19.76
Sacramento.....	13.00	-	-	0.16	-	-	8	13.16	19.66
	13.00	-	-	0.15	-	-	8	13.15	19.65
San Benito.....	13.00	-	-	<sup>h</sup> 0.15	0.18	-	8	<sup>b</sup> 13.33	<sup>b</sup> 19.83
San Francisco.....	13.00	-	-	0.17	0.17	-	8	13.34	19.84
San Joaquin.....	13.00	0.37	-	<sup>i</sup> 0.12	0.12	-	8	<sup>b</sup> 13.61	<sup>b</sup> 20.11
San Mateo.....	13.00	0.43	-	<sup>j</sup> 0.12	0.14	-	8	<sup>b</sup> 13.69	<sup>b</sup> 20.19
	13.00	-	-	<sup>k</sup> 0.13	0.17	-	8	<sup>b</sup> 13.30	<sup>b</sup> 19.80
Santa Clara.....	13.00	0.03	-	<sup>l</sup> 0.13	0.18	-	8	<sup>b</sup> 13.34	<sup>b</sup> 19.84
Santa Cruz.....	13.00	-	-	0.16	-	-	8	13.16	19.66
	13.00	-	-	0.19	-	-	8	13.19	19.69
Solano.....	13.00	-	-	-	0.07	-	8	13.07	19.57
Sonoma.....	13.00	-	-	<sup>m</sup> 0.13	0.16	-	8	<sup>b</sup> 13.29	<sup>b</sup> 19.79
	13.00	0.38	-	<sup>n</sup> 0.15	0.19	-	8	<sup>b</sup> 13.72	<sup>b</sup> 20.22
Stanislaus and Tuolumne.....	13.00	-	-	0.115	0.14	-	8	13.255	19.755
	13.00	-	-	<sup>o</sup> 0.13	0.11	-	8	<sup>b</sup> 13.24	<sup>b</sup> 19.74
Tehama.....	13.00	-	-	0.12	0.19	-	8	13.31	19.81
Tulare.....	13.00	0.69	-	<sup>p</sup> 0.12	-	-	8	<sup>b</sup> 13.81	<sup>b</sup> 20.31
Yolo.....	13.00	-	-	-	0.14	-	8	13.14	19.64
	13.00	-	-	-	0.19	-	8	13.19	19.69
Yuba.....	13.00	-	-	0.14	0.16	-	8	13.30	19.80

**NOTE:** If there are two rates, the first rate is for routine work, the second rate is for complex work.

- a. \$0.20 after 3 years of service; \$0.27 after 5 years of service.
- b. Computation is based on first years of employment. This rate should be increased by any applicable vacation increase as stated in other footnotes.
- c. \$0.25 after 7 years of service.
- d. \$0.38 after 3 years of service.
- e. \$0.37 after 5 years of service; \$0.49 after 15 years of service.
- f. \$0.19 after 1 year of service; \$0.25 after 2 years of service.
- g. \$0.22 after 1 year of service; \$0.29 after 2 years of service.
- h. \$0.31 after 5 years of service.
- i. \$0.24 after 5 years of service.
- j. \$0.23 after 2 years of service; \$0.35 after 6 years of service.
- k. \$0.26 after 1 year of service; \$0.39 after 5 years of service.
- l. \$0.27 after 1 year of service; \$0.40 after 5 years of service.
- m. \$0.26 after 7 years of service.
- n. \$0.31 after 3 years of service; \$0.46 after 7 years of service.
- o. \$0.27 after 3 years of service; \$0.40 after 5 years of service.
- p. \$0.23 after 2 years of service.
- q. \$0.23 after 7 years of service.

<sup>1</sup> This determination does not apply to work of a landscape laborer employed on landscape construction (work incidental to construction or post-construction maintenance during the plant installation and establishment period). The following is a description of the landscape work cover under this determination:

**ROUTINE** – mowing, watering, pruning, trimming, weeding, spraying, occasional planting and replacement of plants and janitorial work incidental to such landscape maintenance.

**COMPLEX** – servicing of irrigation and sprinkler systems, repairing of equipment use in such landscape maintenance.

**RECOGNIZED HOLIDAYS:** Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

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			BASIC HOURLY RATE	HEALTH AND WELFARE	PENSION	VACATION/HOLIDAY	TRAINING	OTHER PAYMENTS	HOURS	TOTAL HOURLY RATE	DAILY	SATURDAY	SUNDAY AND HOLIDAY	
# BRICKLAYER, BLOCKLAYER, POINTER, CLEANER, CAULKER, WATERPROOFER (2ND SHIFT)	8/22/2019	06/30/2020**	A 58.890	10.200	12.580	B -	1.560	0.430	C 8.0	83.660	113.100	D 113.100	142.550	
POINTER, CLEANER, CAULKER, WATERPROOFER (3RD SHIFT)	8/22/2019	06/30/2020**	A 61.450	10.200	12.580	B -	1.560	0.430	C 8.0	86.220	116.940	D 116.940	147.670	
# BRICKLAYER, BLOCKLAYER: BRICKLAYER, BLOCKLAYER, STONEMASON (2ND SHIFT)	8/22/2019	04/30/2020**	A 47.510	10.200	14.270	E 3.000	0.800	F 1.860	C 8.0	77.640	G 102.890	G 102.890	128.150	
BRICKLAYER, BLOCKLAYER, STONEMASON (3RD SHIFT)	8/22/2019	04/30/2020**	A 49.810	10.200	14.270	E 3.000	0.800	F 1.860	C 8.0	79.940	G 106.350	G 106.350	132.750	
# BRICK TENDER														
BRICK TENDER (SPECIAL SINGLE SHIFT)	8/22/2019	06/30/2020**	H 39.010	8.500	10.890	B -	0.450	0.300	8.0	59.150	I 78.650	I 78.650	98.160	
# ELECTRICIAN:														
COMM & SYSTEM INSTALLER, SECOND SHIFT	2/22/2020	11/30/2020**	47.280	11.550	J 7.150	-	1.100	K 0.260	8.0	69.000	L 93.470	L 93.470	M 117.940	
COMM & SYSTEM INSTALLER, THIRD SHIFT	2/22/2020	11/30/2020**	52.970	11.550	J 7.150	-	1.100	K 0.260	8.0	74.880	L 102.290	L 102.290	M 129.700	
COMM & SYSTEM TECH., SECOND SHIFT	2/22/2020	11/30/2020**	54.380	11.550	J 7.150	-	1.100	K 0.260	8.0	76.340	L 104.480	L 104.480	M 132.620	
COMM & SYSTEM TECH., THIRD SHIFT	2/22/2020	11/30/2020**	60.920	11.550	J 7.150	-	1.100	K 0.260	8.0	83.110	L 114.630	L 114.630	M 146.160	
INSIDE WIREMAN, 2ND SHIFT	8/22/2019	05/31/2020**	A 60.290	12.500	N 7.500	-	1.290	O 0.310	8.0	84.000	P 115.200	Q 115.200	R 146.400	
INSIDE WIREMAN, 3RD SHIFT	8/22/2019	05/31/2020**	A 67.540	12.500	N 7.500	-	1.290	O 0.310	8.0	91.510	P 126.460	Q 126.460	R 161.410	
CABLE SPLICER, 2ND SHIFT	8/22/2019	05/31/2020**	A 66.320	12.500	N 7.500	-	1.290	O 0.310	8.0	90.240	P 124.560	Q 124.560	R 158.880	
CABLE SPLICER, 3RD SHIFT	8/22/2019	05/31/2020**	A 74.290	12.500	N 7.500	-	1.290	O 0.310	8.0	98.490	P 136.940	Q 136.940	R 175.380	
TUNNEL WIREMAN SECOND SHIFT	8/22/2019	05/31/2020**	A 60.880	12.500	N 7.500	-	1.290	O 0.310	8.0	84.610	S 116.110	T 147.610	M 147.610	
TUNNEL WIREMAN THIRD SHIFT	8/22/2019	05/31/2020**	A 68.200	12.500	N 7.500	-	1.290	O 0.310	8.0	92.190	S 127.490	T 162.770	M 162.770	
TUNNEL CABLE SPLICER SECOND SHIFT	8/22/2019	05/31/2020**	A 66.910	12.500	N 7.500	-	1.290	O 0.310	8.0	90.850	S 125.470	T 160.090	M 160.090	
TUNNEL CABLE SPLICER THIRD SHIFT	8/22/2019	05/31/2020**	A 74.950	12.500	N 7.500	-	1.290	O 0.310	8.0	99.170	S 137.960	T 176.740	M 176.740	
# FIELD SURVEYOR:														
U CHIEF OF PARTY (NIGHT SHIFT)	2/22/2020	02/28/2021*	52.910	13.880	V 12.010	W 4.790	1.160	0.210	7.0	84.960	X 111.410	Y 111.410	M 137.870	
U INSTRUMENTMAN (NIGHT SHIFT)	2/22/2020	02/28/2021*	49.430	13.880	V 12.010	W 4.790	1.160	0.210	7.0	81.480	X 106.200	Y 106.200	M 130.910	
U CHAINMAN/RODMAN (NIGHT SHIFT)	2/22/2020	02/28/2021*	46.190	13.880	V 12.010	W 4.790	1.160	0.210	7.0	78.240	X 101.330	Y 101.330	M 124.430	
# MARBLE FINISHER														
Z MARBLE FINISHER (2ND SHIFT)	2/22/2020	07/31/2020**	AA 40.410	10.200	5.280	AB -	0.450	0.850	8.0	57.190	AC 77.390	97.600	97.600	
# MARBLE MASON														
Z MARBLE MASON (2ND SHIFT)	2/22/2020	07/31/2020**	AA 55.420	10.200	16.080	AB -	0.800	1.160	8.0	83.660	AC 111.370	139.080	139.080	
# SHEET METAL WORKER														
SHEET METAL WORKER (SPECIAL SHIFT)	8/22/2019	06/28/2020**	H 68.720	AD 14.600	AE 29.440	B -	1.530	0.710	8.0	115.000	AF 152.770	AF 152.770	190.540	
SHEET METAL WORKER (2ND SHIFT)	8/22/2019	06/28/2020**	H 67.500	AD 14.600	AE 29.440	B -	1.530	0.710	AG 7.5	113.780	AF 150.940	AF 150.940	188.100	
SHEET METAL WORKER (3RD SHIFT)	8/22/2019	06/28/2020**	H 70.560	AD 14.600	AE 29.440	B -	1.530	0.710	AH 7.0	116.840	AF 155.530	AF 155.530	194.220	
TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS (SPECIAL SHIFT)	8/22/2019	06/28/2020**	H 60.110	AD 14.600	AE 27.950	B -	1.530	0.710	8.0	104.900	AF 137.930	AF 137.930	170.970	
TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS (2ND SHIFT)	8/22/2019	06/28/2020**	H 59.040	AD 14.600	AE 27.950	B -	1.530	0.710	AG 7.5	103.830	AF 136.340	AF 136.340	168.830	
TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS (3RD SHIFT)	8/22/2019	06/28/2020**	H 61.720	AD 14.600	AE 27.950	B -	1.530	0.710	AH 7.0	106.510	AF 140.360	AF 140.360	174.190	
SERVICE MECHANIC (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (SPECIAL SHIFT)	8/22/2019	06/28/2020**	H 47.320	AI 14.000	AE 15.480	B -	1.430	0.710	8.0	78.940	AJ 103.860	AJ 103.860	128.760	
SERVICE MECHANIC (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (2ND SHIFT)	8/22/2019	06/28/2020**	H 46.480	AI 14.000	AE 15.480	B -	1.430	0.710	AG 7.5	78.100	AJ 102.600	AJ 102.600	127.080	
SERVICE MECHANIC (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (3RD SHIFT)	8/22/2019	06/28/2020**	H 48.590	AI 14.000	AE 15.480	B -	1.430	0.710	AH 7.0	80.210	AJ 105.760	AJ 105.760	131.300	
SERVICE TECHNICIAN (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (SPECIAL SHIFT)	8/22/2019	06/28/2020**	H 42.600	AI 14.000	AE 10.210	B -	1.430	0.710	8.0	68.950	AJ 91.050	AJ 91.050	113.150	
SERVICE TECHNICIAN (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (2ND SHIFT)	8/22/2019	06/28/2020**	H 41.840	AI 14.000	AE 10.210	B -	1.430	0.710	AG 7.5	68.190	AJ 89.910	AJ 89.910	111.630	

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			BASIC HOURLY RATE	HEALTH AND WELFARE	PENSION	VACATION/HOLIDAY	TRAINING	OTHER PAYMENTS	HOURS	TOTAL HOURLY RATE	DAILY	SATURDAY	SUNDAY AND HOLIDAY							
SERVICE TECHNICIAN (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (3RD SHIFT)	8/22/2019	06/28/2020**	H	43.750	AI	14.000	AE	10.210	B	-	1.430	0.710	AH	7.0	70.100	AJ	92.780	AJ	92.780	115.450
AIR CONDITIONING SPECIALIST (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (SPECIAL SHIFT)	8/22/2019	06/28/2020**	H	37.530	AI	14.000	AE	4.870	B	-	1.410	0.710		8.0	58.520	AF	77.810	AF	77.810	97.090
AIR CONDITIONING SPECIALIST (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (2ND SHIFT)	8/22/2019	06/28/2020**	H	36.860	AI	14.000	AE	4.870	B	-	1.410	0.710	AG	7.5	57.850	AF	76.810	AF	76.810	95.750
AIR CONDITIONING SPECIALIST (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (3RD SHIFT)	8/22/2019	06/28/2020**	H	38.540	AI	14.000	AE	4.870	B	-	1.410	0.710	AH	7.0	59.530	AF	79.330	AF	79.330	99.110
AIR CONDITIONING JOURNEYMAN (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (SPECIAL SHIFT)	8/22/2019	06/28/2020**	H	43.990	AD	14.000	AE	10.490	B	-	1.410	0.710		8.0	70.600	AF	93.350	AF	93.350	116.090
AIR CONDITIONING JOURNEYMAN (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (2ND SHIFT)	8/22/2019	06/28/2020**	H	43.210	AD	14.000	AE	10.490	B	-	1.410	0.710	AG	7.5	69.820	AF	92.180	AF	92.180	114.530
AIR CONDITIONING JOURNEYMAN (TOTAL SHEET METAL CONTRACT OF \$200,000 OR LESS) (3RD SHIFT)	8/22/2019	06/28/2020**	H	45.170	AD	14.000	AE	10.490	B	-	1.410	0.710	AH	7.0	71.780	AF	95.120	AF	95.120	118.450
# TERRAZZO FINISHER																				
AK TERRAZZO FINISHER, 2ND SHIFT	8/22/2018	06/30/2019*	AL	41.180		9.950		5.740	B	-	0.800	0.920		8.0	58.590	AF	76.940	AF	76.940	95.290
AK TERRAZZO FINISHER, 3RD SHIFT	8/22/2018	06/30/2019*	AL	41.180		9.950		5.740	B	-	0.800	0.920		8.0	58.590	AF	76.940	AF	76.940	95.290
# TERRAZZO WORKER																				
AK TERRAZZO WORKER, 2ND SHIFT	8/22/2018	06/30/2019*	AL	53.900		9.950		15.040	B	-	0.800	1.110		8.0	80.800	AF	104.810	AF	104.810	128.820
AK TERRAZZO WORKER, 3RD SHIFT	8/22/2018	06/30/2019*	AL	53.900		9.950		15.040	B	-	0.800	1.110		8.0	80.800	AF	104.810	AF	104.810	128.820
# TILE FINISHER																				
TILE FINISHER, 2ND SHIFT	2/22/2020	03/31/2020**	AM	33.940		9.810		5.260		1.000	0.820	1.040		8.0	51.870		66.340	C	66.340	80.810
TILE FINISHER - RED CIRCLED FINISHER, 2ND SHIFT	2/22/2020	03/31/2020**	AM	39.820		9.810		6.040		1.500	0.820	1.110		8.0	59.100		76.510	C	76.510	93.920
# TILE SETTER																				
TILE SETTER, 2ND SHIFT	2/22/2020	03/31/2020**	AM	53.400		9.810		7.460		2.500	1.170	1.720		8.0	76.060		99.760	C	99.760	123.460

[FOOTNOTES](#)

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- \* EFFECTIVE UNTIL SUPERSEDED BY A NEW DETERMINATION ISSUED BY THE DIRECTOR OF INDUSTRIAL RELATIONS. CONTACT THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774 FOR NEW RATES AFTER TEN DAYS AFTER THE EXPIRATION DATE IF NO SUBSEQUENT DETERMINATION IS ISSUED.
- \*\* 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 OFFICE OF THE DIRECTOR - RESEARCH UNIT FOR SPECIFIC RATES AT (415) 703-4774.
- # INDICATES AN APPRENTICEABLE CRAFT. THE CURRENT APPRENTICE WAGE RATES ARE AVAILABLE ON THE INTERNET @ HTTP://WWW.DIR.CA.GOV/OPRL/PWAPPWAGE/PWAPPWAGESTART.ASP.
- & THE BASIC HOURLY RATE AND EMPLOYER PAYMENTS ARE NOT TAKEN FROM A COLLECTIVE BARGAINING AGREEMENT FOR THIS CRAFT OR CLASSIFICATION.
- A INCLUDES AMOUNT WITHHELD FOR DUES CHECK OFF.
- B INCLUDED IN STRAIGHT-TIME HOURLY RATE.
- C SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORKWEEK DUE TO INCLEMENT WEATHER.
- D RATE APPLIES TO THE FIRST 8 HOURS WORKED ON SATURDAY. ALL OTHER HOURS ARE PAID AT THE SUNDAY/HOLIDAY RATE.
- E VACATION IS FACTORED AT THE APPLICABLE OVERTIME MULTIPLIER
- F INCLUDES AMOUNT FOR INDUSTRY PROMOTION FUND, INTERNATIONAL MASONRY INSTITUTE, LABOR MANAGEMENT COOPERATION COMMITTEE, AND VACATION TRUST FUND.
- G RATE APPLIES TO THE FIRST 2 DAILY OVERTIME HOURS AND THE FIRST 10 HOURS ON SATURDAY; ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE.
- H INCLUDES AMOUNT FOR VAC/HOL AND DUES CHECK OFF.
- I RATE APPLIES TO FIRST 2 DAILY OVERTIME HOURS AND THE FIRST 10 HOURS WORKED ON SATURDAY. ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE. SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWNDURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER.
- J IN ADDITION, AN AMOUNT EQUAL TO 3% OF THE BASIC HOURLY RATE IS ADDED TO THE TOTAL HOURLY RATE AND OVERTIME HOURLY RATES FOR THE NATIONAL EMPLOYEES BENEFIT BOARD.
- K IN ADDITION, AN AMOUNT EQUAL TO 0.5% OF THE BASIC HOURLY RATE, WHICH IS FACTORED AT THE APPLICABLE OVERTIME MULTIPLIER, IS ADDED TO THE TOTAL HOURLY RATE AND OVERTIME HOURLY RATES.
- L RATE APPLIES TO THE FIRST 4 DAILY OVERTIME HOURS AND THE FIRST 8 HOURS WORKED ON SATURDAY. ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME RATE.
- M DISREGARD THIS RATE. USE THE SUNDAY AND HOLIDAY NON-SHIFT DIFFERENTIAL RATE FOR THIS CLASSIFICATION AS PUBLISHED IN THE DIRECTOR'S GENERAL PREVAILING WAGE DETERMINATIONS.
- N IN ADDITION, AN AMOUNT EQUAL TO 3% OF THE BASIC HOURLY RATE IS ADDED TO THE TOTAL HOURLY RATE AND OVERTIME HOURLY RATES FOR THE NATIONAL EMPLOYEES BENEFIT BOARD. PURSUANT LABOR CODE SECTIONS 1773.1 AND 1773.8, THE AMOUNT PAID FOR THIS EMPLOYER PAYMENT MAY VARY RESULTING IN A LOWER TAXABLE BASIC HOURLY WAGE RATE, BUT THE TOTAL HOURLY RATES FOR STRAIGHT TIME AND OVERTIME MAY NOT BE LESS THAN THE GENERAL PREVAILING RATE OF PER DIEM WAGES.
- O IN ADDITION, AN AMOUNT EQUAL TO 0.5% OF THE BASIC HOURLY RATE FOR ADMINISTRATIVE MAINTENANCE FUND IS ADDED TO THE TOTAL HOURLY RATE AND IS FACTORED INTO THE OVERTIME HOURLY RATE.
- P ALL OVERTIME WORK REQUIRED AFTER THE COMPLETION OF A REGULAR SHIFT SHALL BE PAID AT ONE-AND-ONE-HALF TIMES THE SHIFT HOURLY RATE.
- Q RATE APPLIES TO THE FIRST 8 HOURS WORKED; ALL OTHER TIME IS PAID AT THE SUNDAY & HOLIDAY NON-SHIFT RATE.
- R DISREGARD THIS RATE. FOR ALL HOURS IN EXCESS OF THE FIRST EIGHT HOURS OF WORK PERFORMED ON SATURDAY AND FOR ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS, USE THE SUNDAY AND HOLIDAY NON-SHIFT DIFFERENTIAL RATE FOR THIS CLASSIFICATION AS PUBLISHED IN THE DIRECTOR'S GENERAL PREVAILING WAGE DETERMINATIONS.
- S RATE APPLIES TO THE FIRST 2 DAILY OVERTIME HOURS WORKED; ALL OTHER OVERTIME IS PAID AT THE SATURDAY, SUNDAY AND HOLIDAY OVERTIME RATE.
- T DISREGARD THIS RATE. USE THE SATURDAY NON-SHIFT DIFFERENTIAL RATE FOR THIS CLASSIFICATION AS PUBLISHED IN THE DIRECTOR'S GENERAL PREVAILING WAGE DETERMINATIONS.
- U ALL CREWS, WITHOUT CONSIDERATION TO THE NUMBER OF INDIVIDUALS IN THE CREW, SHALL INCLUDE A CHIEF OF PARTY. A CREW CONSISTS OF ONE (1) OR MORE EMPLOYEES PERFORMING FIELD AND CONSTRUCTION SURVEY WORK.
- V INCLUDES AN AMOUNT PER HOUR WORKED FOR ANNUITY TRUST FUND.
- W INCLUDES AN AMOUNT PER HOUR WORKED FOR SUPPLEMENTAL DUES.
- X DISREGARD THIS RATE. FOR THE FIRST 4 DAILY OVERTIME HOURS, SUNDAY NIGHT THROUGH THURSDAY NIGHT, USE THE DAILY OVERTIME NON-SHIFT DIFFERENTIAL RATE FOR THIS CLASSIFICATION. ALL OTHER OVERTIME IS PAID AT THE SUNDAY AND HOLIDAY NON-SHIFT DIFFERENTIAL RATE. IN THE EVENT IT IS NOT REASONABLY POSSIBLE TO COMPLETE 35 HOURS OF WORK ON A 7 HOUR DAY, SUNDAY NIGHT THROUGH THURSDAY NIGHT, THE BALANCE OF THE 35 HOURS, UP TO 7 HOURS, MAY BE WORKED ON FRIDAY NIGHT AT THE STRAIGHT-TIME RATE.
- Y DISREGARD THIS RATE. FOR THE FIRST 12 HOURS OF WORK ON SATURDAY, USE THE SATURDAY NON-SHIFT DIFFERENTIAL RATE. FOR ALL HOURS AFTER THE FIRST 12 HOURS WORKED ON SATURDAY, USE THE SUNDAY AND HOLIDAY NON-SHIFT DIFFERENTIAL RATE.
- Z EMPLOYEES WORKING ON ANY SUSPENDED PLATFORM/SCAFFFOLD SHALL BE PAID AN ADDITIONAL \$20.00 PER DAY ABOVE THE WAGE RATE.
- AA INCLUDES AN AMOUNT FOR DUES CHECK-OFF AND VACATION/HOLIDAY WHICH ARE FACTORED INTO OVERTIME RATES.
- AB INCLUDED IN BASIC HOURLY RATE.
- AC RATE APPLIES TO FIRST 2 OVERTIME HOURS MONDAY THROUGH FRIDAY; ALL OTHER OVERTIME IS PAID AT THE DOUBLE TIME RATE.
- AD INCLUDES SMOHIT AND SHC. EFFECTIVE 1/1/2013, PURSUANT TO LABOR CODE SECTIONS 1773.1 AND 1773.8, THE AMOUNT PAID FOR THIS EMPLOYER PAYMENT MAY VARY RESULTING IN A LOWER TAXABLE BASIC HOURLY WAGE RATE, BUT THE TOTAL HOURLY RATES FOR STRAIGHT TIME AND OVERTIME MAY NOT BE LESS THAN THE GENERAL PREVAILING RATE OF PER DIEM WAGES.

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- AE INCLUDES AN AMOUNT FOR PENSION WHICH IS FACTORED AT THE APPLICABLE OVERTIME MULTIPLIER. PURSUANT TO LABOR CODE SECTIONS 1773.1 AND 1773.8, THE AMOUNT PAID FOR THIS EMPLOYER PAYMENT MAY VARY RESULTING IN A LOWER TAXABLE BASIC HOURLY WAGE RATE, BUT THE TOTAL HOURLY RATES FOR STRAIGHT TIME AND OVERTIME MAY NOT BE LESS THAN THE GENERAL PREVAILING RATE OF PER DIEM WAGES.
- AF RATE APPLIES TO THE FIRST 2 DAILY OVERTIME HOURS AND THE FIRST 8 HOURS ON SATURDAY ONLY; ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE.
- AG 8 HOURS PAY AT THE STRAIGHT TIME TOTAL HOURLY RATE FOR 7.5 HOURS WORKED
- AH 8 HOURS PAY AT THE STRAIGHT TIME TOTAL HOURLY RATE FOR 7 HOURS WORKED
- AI INCLUDES SHC. EFFECTIVE 1/1/2013, PURSUANT TO LABOR CODE SECTIONS 1773.1 AND 1773.8, THE AMOUNT PAID FOR THIS EMPLOYER PAYMENT MAY VARY RESULTING IN A LOWER TAXABLE BASIC HOURLY WAGE RATE, BUT THE TOTAL HOURLY RATES FOR STRAIGHT TIME AND OVERTIME MAY NOT BE LESS THAN THE GENERAL PREVAILING RATE OF PER DIEM WAGES.
- AJ RATE APPLIES TO FIRST 4 DAILY OVERTIME HOURS AND THE FIRST 8 HOURS WORKED ON SATURDAY DURING THE EMPLOYEES NORMAL WORKING HOURS. ALL OTHER OVERTIME HOURS SHALL BE PAID AT THE SUNDAY AND HOLIDAY DOUBLE TIME RATE.
- AK THE RATIO OF TERRAZZO FINISHER HOURS TO TERRAZZO WORKER HOURS SHALL NOT EXCEED TWO (2) TO ONE (1).
- AL INCLUDES AN AMOUNT FOR VACATION/DUES CHECK OFF WHICH IS NOT FACTORED IN THE OVERTIME RATES.
- AM INCLUDES AMOUNT WITHHELD FOR DUES CHECK OFF, WHICH IS FACTORED IN THE OVERTIME RATES. INCLUDES AN AMOUNT OF PREMIUM RATE PER HOUR ABOVE THE REGULAR STRAIGHT-TIME RATE, WHICH IS NOT FACTORED IN THE OVERTIME RATES. ANY EMPLOYEE WORKING UNDERGROUND SHALL RECEIVE \$1.00 PER HOUR IN ADDITION TO REGULAR WAGES.

**RECOGNIZED HOLIDAYS:** HOLIDAYS UPON WHICH THE GENERAL PREVAILING HOURLY WAGE RATE FOR HOLIDAY WORK SHALL BE PAID, SHALL BE ALL HOLIDAYS IN THE COLLECTIVE BARGAINING AGREEMENT APPLICABLE TO THE PARTICULAR CRAFT, CLASSIFICATION, OR TYPE OF WORKER EMPLOYED ON THE PROJECT, WHICH IS ON FILE WITH THE DIRECTOR OF INDUSTRIAL RELATIONS. IF THE PREVAILING RATE IS NOT BASED ON A COLLECTIVELY BARGAINED RATE, THE HOLIDAYS UPON WHICH THE PREVAILING RATE SHALL BE PAID SHALL BE AS PROVIDED IN SECTION 6700 OF THE GOVERNMENT CODE. YOU MAY OBTAIN THE HOLIDAY PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/DPREWAGEDETERMINATION.HTM](http://www.dir.ca.gov/oprl/dprewagedetermination.htm). HOLIDAY PROVISIONS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.

**TRAVEL AND/OR SUBSISTENCE PAYMENT:** IN ACCORDANCE WITH LABOR CODE SECTIONS 1773.1 AND 1773.9, CONTRACTORS SHALL MAKE TRAVEL AND/OR SUBSISTENCE PAYMENTS TO EACH WORKER TO EXECUTE THE WORK. YOU MAY OBTAIN THE TRAVEL AND/OR SUBSISTENCE PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET @ [HTTP://WWW.DIR.CA.GOV/OPRL/DPREWAGEDETERMINATION.HTM](http://www.dir.ca.gov/oprl/dprewagedetermination.htm). TRAVEL AND/OR SUBSISTENCE REQUIREMENTS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED FROM THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.

**SECTION 00 73 73**  
**FEDERAL REQUIREMENTS FOR FEDERAL AID CONSTRUCTION PROJECTS**

1 General

The following requirements are part of this project as required for federal aid construction projects.

1.1 Disadvantaged Business Enterprises (DBE).

Under 49 CFR 26.13(b):

*The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.*

Take necessary and reasonable steps to ensure that DBEs have opportunity to participate in the contract (49 CFR 26).

To ensure equal participation of DBEs provided in 49 CFR 26.5, the Agency shows a goal for DBEs.

Make work available to DBEs and select work parts consistent with available DBE subcontractors and suppliers.

Meet the DBE goal shown elsewhere in these Project Specifications or demonstrate that you made adequate good faith efforts to meet this goal.

It is your responsibility to verify that the DBE firm is certified as DBE at date of bid opening. For a list of DBEs certified by the California Unified Certification Program, go to: [http://www.dot.ca.gov/hq/bep/find\\_certified.htm](http://www.dot.ca.gov/hq/bep/find_certified.htm).

All DBE participation will count toward the California Department of Transportation's federally mandated statewide overall DBE goal.

Credit for materials or supplies you purchase from DBEs counts towards the goal in the following manner:

- 100 percent counts if the materials or supplies are obtained from a DBE manufacturer.
- 60 percent counts if the materials or supplies are obtained from a DBE regular dealer.
- Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies count if obtained from a DBE that is neither a manufacturer nor regular dealer. 49 CFR 26.55 defines "manufacturer" and "regular dealer."

You receive credit towards the goal if you employ a DBE trucking company that performs a commercially useful function as defined in 49 CFR 26.55(d)(1) through (4) and (6).

### **DBE Commitment Submittal**

Submit the *Local Agency Bidder DBE Commitment (Construction Contracts)* form, included in the Proposal Section. If the form is not submitted with the bid, remove the form from the Proposal Section before submitting your bid.

If the DBE Commitment form is not submitted with the bid, the apparent low bidder, the 2nd low bidder, and the 3rd low bidder must complete and submit the DBE Commitment form to the City. DBE Commitment form must be received by the City no later than 4:00 p.m. on the 4th business day after bid opening.

Other bidders do not need to submit the DBE Commitment form unless the City requests it. If the City requests you to submit a DBE Commitment form, submit the completed form within 4 business days of the request.

Submit written confirmation from each DBE stating that it is participating in the contract. Include confirmation with the DBE Commitment form. A copy of a DBE's quote will serve as written confirmation that the DBE is participating in the contract.

If you do not submit the DBE Commitment form within the specified time, the City will find your bid nonresponsive.

### **Good Faith Efforts Submittal**

If you have not met the DBE goal, complete and submit the DBE Information - Good Faith Efforts, form with the bid showing that you made adequate good faith efforts to meet the goal. Only good faith efforts directed towards obtaining participation by DBEs will be considered. If good faith efforts documentation is not submitted with the bid, it must be received by the City no later than 4:00 p.m. on the 4th business day after bid opening.

If your DBE Commitment form shows that you have met the DBE goal or if you are required to submit the DBE Commitment form, you must also submit good faith efforts documentation within the specified time to protect your eligibility for award of the contract in the event the City finds that the DBE goal has not been met.

Good faith efforts documentation must include the following information and supporting documents, as necessary:

1. Items of work you have made available to DBE firms. Identify those items of work you might otherwise perform with your own forces and those items that have been broken down into economically feasible units to facilitate DBE participation. For each item listed, show the dollar value and percentage of the total contract. It is your responsibility to demonstrate that sufficient work to meet the goal was made available to DBE firms.
2. Names of certified DBEs and dates on which they were solicited to bid on the project. Include the items of work offered. Describe the methods used for following up initial solicitations to determine with certainty if the DBEs were interested, and the dates of the follow-up. Attach supporting documents such as copies of letters, memos, facsimiles sent, telephone logs, telephone billing statements, and other evidence of solicitation. You are reminded to solicit certified DBEs through all reasonable and available means and provide sufficient time to allow DBEs to respond.

3. Name of selected firm and its status as a DBE for each item of work made available. Include name, address, and telephone number of each DBE that provided a quote and their price quote. If the firm selected for the item is not a DBE, provide the reasons for the selection.
4. Name and date of each publication in which you requested DBE participation for the project. Attach copies of the published advertisements.
5. Names of agencies and dates on which they were contacted to provide assistance in contacting, recruiting, and using DBE firms. If the agencies were contacted in writing, provide copies of supporting documents.
6. List of efforts made to provide interested DBEs with adequate information about the plans, specifications, and requirements of the contract to assist them in responding to a solicitation. If you have provided information, identify the name of the DBE assisted, the nature of the information provided, and date of contact. Provide copies of supporting documents, as appropriate.
7. List of efforts made to assist interested DBEs in obtaining bonding, lines of credit, insurance, necessary equipment, supplies, and materials, excluding supplies and equipment that the DBE subcontractor purchases or leases from the prime contractor or its affiliate. If such assistance is provided by you, identify the name of the DBE assisted, nature of the assistance offered, and date assistance was provided. Provide copies of supporting documents, as appropriate.
8. Any additional data to support demonstration of good faith efforts.

The City may consider DBE commitments of the 2nd and 3rd bidders when determining whether the low bidder made good faith efforts to meet the DBE goal.

### **Local Agency Bidder DBE Information (Construction Contracts)**

Complete and sign *Local Agency Bidder DBE Commitment (Construction Contracts)* included in the Proposal Section regardless of whether DBE participation is reported.

Provide written confirmation from each DBE that the DBE is participating in the Contract. A copy of a DBE's quote serves as written confirmation. If a DBE is participating as a joint venture partner, the City encourages you to submit a copy of the joint venture agreement.)

### **Subcontractor and Disadvantaged Business Enterprise Records**

Use each DBE subcontractor as listed on *Bidder's List of Subcontractors (DBE and Non-DBE)* and *Local Agency Bidder DBE Commitment (Construction Contracts)* form unless you receive authorization for a substitution.

The City requests the Contractor to:

1. Notify the Engineer of any changes to its anticipated DBE participation
2. Provide this notification before starting the affected work
3. Maintain records including:
  - Name and business address of each 1<sup>st</sup>-tier subcontractor
  - Name and business address of each DBE subcontractor, DBE vendor, and DBE trucking company, regardless of tier
  - Date of payment and total amount paid to each business

If you are a DBE contractor, include the date of work performed by your own forces and the corresponding value of the work.

Before the 15th of each month, submit a Monthly DBE Trucking Verification form.

If a DBE is decertified before completing its work, the DBE must notify you in writing of the decertification date. If a business becomes a certified DBE before completing its work, the business must notify you in writing of the certification date. Submit the notifications. On work completion, complete a Disadvantaged Business Enterprises (DBE) Certification Status Change, Exhibit 17-O, form. Submit the form within 30 days of contract acceptance.

Upon work completion, complete *Final Report – Utilization of Disadvantaged Business Enterprises (DBE), First-Tier Subcontractors*. Submit it within 90 days of contract acceptance. The City will withhold \$10,000 until the form is submitted. The City releases the withhold amount upon submission of the completed form.

### ***Performance of Disadvantaged Business Enterprises***

DBEs must perform work or supply materials as listed in the *Local Agency Bidder DBE Commitment (Construction Contracts)* form, included in the Bid.

Do not terminate or substitute a listed DBE for convenience and perform the work with your own forces or obtain materials from other sources without authorization from the City.

The City authorizes a request to use other forces or sources of materials if it shows any of the following justifications:

1. Listed DBE fails or refuses to execute a written contract based on plans and specifications for the project.
2. You stipulated that a bond is a condition of executing the subcontract and the listed DBE fails to meet your bond requirements.
3. Work requires a contractor's license and listed DBE does not have a valid license under Contractors License Law.
4. Listed DBE fails or refuses to perform the work or furnish the listed materials.
5. Listed DBE's work is unsatisfactory and not in compliance with the contract.
6. Listed DBE is ineligible to work on the project because of suspension or debarment.
7. Listed DBE becomes bankrupt or insolvent.
8. Listed DBE voluntarily withdraws with written notice from the Contract
9. Listed DBE is ineligible to receive credit for the type of work required.
10. Listed DBE owner dies or becomes disabled resulting in the inability to perform the work on the Contract.
11. City determines other documented good cause.

Notify the original DBE of your intent to use other forces or material sources and provide the reasons. Provide the DBE with 5 days to respond to your notice and advise you and the City of the reasons why the use of other forces or sources of materials should not occur. Your request to use other forces or material sources must include:

1. One or more of the reasons listed in the preceding paragraph
2. Notices from you to the DBE regarding the request
3. Notices from the DBEs to you regarding the request

If a listed DBE is terminated or substituted, you must make good faith efforts to find another DBE to substitute for the original DBE. The substitute DBE must perform at least the same amount of work as the original DBE under the contract to the extent needed to meet the DBE goal.

The substitute DBE must be certified as a DBE at the time of request for substitution.

Unless the City authorizes (1) a request to use other forces or sources of materials or (2) a good faith effort for a substitution of a terminated DBE, the City does not pay for work listed on the *Local Agency Bidder DBE Commitment (Construction Contracts)* form unless it is performed or supplied by the listed DBE or an authorized substitute.

### 1.2 Bid Opening

See Section 00 21 13 Notice to Contractors.

### 1.3 Bid Rigging

The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

### 1.4 Contract Award

See Section 00 51 10 of these Project Specifications.

### 1.5 Contract License

The Contractor must be properly licensed as a contractor from contract award through Contract acceptance (Public Contract Code § 10164).

### 1.6 Differing Site Conditions

Promptly notify the Engineer if you find either of the following conditions:

1. Physical conditions differing materially from either of the following:
  - Contract documents
  - Job site examination
2. Physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the Contract.

Include details explaining the information you relied on and the material differences you discovered.

If you fail to promptly notify the Engineer, you waive the differing site condition claim for the period between your discovery of the differing site condition and your notification to the Engineer. If you disturb the site after discovery and before the Engineer's investigation, you waive the differing site condition claim.

Upon your notification, the Engineer will investigate the job site conditions and will notify you whether to resume affected work; or whether the condition differs materially and is cause for an adjustment of time, payment, or both.

1.7 Beginning of Work, Time of Completion and Liquidated Damages  
See Section 00 72 10 of these Project Specifications.

1.8 Buy America

Attention is directed to the “Buy America” requirements of the Surface Transportation Assistance Act of 1982 (Section 165) and the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) Sections 1041(a) and 1048(a), and the regulations adopted pursuant thereto. In accordance with said law and regulations, all manufacturing processes for steel and iron materials furnished for incorporation into the work on this project shall occur in the United States. The application of coatings, such as epoxy coating, galvanizing, painting, and any other coating that protects or enhances the value of such steel or iron materials shall be considered a manufacturing process subject to the “Buy America” requirements.

A Certificate of Compliance, conforming to the provisions in Section 6-2.03C, “Certificates of Compliance,” of the Standard Specifications, shall be furnished for steel and iron materials. The certificates, in addition to certifying that the materials comply with the specifications, shall also specifically certify that all manufacturing processes for the materials occurred in the United States.

The requirements imposed by said law and regulations do not prevent a minimal use of foreign steel and iron materials if the total combined cost of such materials used does not exceed one-tenth of one percent (0.1%) of the total contract cost or \$2,500, whichever is greater. The Contractor shall furnish the Engineer acceptable documentation of the quantity and value of any foreign steel and iron prior to incorporating such materials into the work.

Furnish steel and iron materials to be incorporated into the work with certificates of compliance. Steel and iron materials must be produced in the U.S. except:

1. Foreign pig iron and processed, pelletized, and reduced iron ore may be used in the domestic production of the steel and iron materials [60 Fed Reg 15478 (03/24/1995)];
2. If the total combined cost of the materials does not exceed the greater of 0.1 percent of the total bid or \$2,500, materials produced outside the U.S. may be used.

Production includes:

1. Processing steel and iron materials, including smelting or other processes that alter the physical form or shape (such as rolling, extruding, machining, bending, grinding, and drilling) or chemical composition;
2. Coating application, including epoxy coating, galvanizing, and painting, that protects or enhances the value of steel and iron materials.

1.9 Quality Assurance

The City uses a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract. You may examine the records and reports of tests the Agency performs if they are available at the job site. Schedule work to allow time for QAP Acceptance Testing.

#### 1.10 Prompt Payment of Funds Withheld from Subcontractors

The provisions of Section 00 72 11 1.21 of these Project Specifications are modified as follows:

The City shall hold retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the City, of the contract work, and pay retainage to the prime contractor based on these acceptances. The prime contractor, or subcontractor, shall return all monies withheld in retention from a subcontractor within 30 days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the City. Federal law (49CFR26.29) requires that any delay or postponement of payment over 30 days may take place only for good cause and with the City's prior written approval. Any violation of this provision shall subject the violating prime contractor or subcontractor to the penalties, sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

#### 1.11 FHWA Form 1273

The Federal Highway Administration (FHWA) Form 1273 follows and is hereby incorporated in these Project Specifications.

FHWA 1273

**REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

**ATTACHMENTS**

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

**I. GENERAL**

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

**II. NONDISCRIMINATION**

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

**6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

**10. Assurance Required by 49 CFR 26.13(b):**

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## 2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## 3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### 4. Apprentices and trainees

##### a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

**3. Withholding for unpaid wages and liquidated damages.** The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

## VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

## VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

#### **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

#### **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

##### **1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

### **2. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

1.12 Female and Minority Goals or equivalent provisions are included

To comply with Section II, "Nondiscrimination," of "Required Contract Provisions Federal-Aid Construction Contracts," the following are goals for female and minority utilization goals for Federal-aid construction contracts and subcontracts that exceed \$10,000:

The nationwide goal for female utilization is 6.9 percent.

The goals for minority utilization [45 Fed Reg 65984 (10/3/1980)] are as follows:

**MINORITY UTILIZATION GOALS**

Economic Area		Goal (Percent)
176	7360 San Francisco-Oakland-San Jose, CA Alameda; CA Contra Costa; CA Marin; CA San Francisco; CA San Mateo	25.6

For each July during which work is performed under the contract, you and each non material-supplier subcontractor with a subcontract of \$10,000 or more must complete Form FHWA PR-1391 (Appendix C to 23 CFR 230). Submit the forms by August 15.

1.13 Title VI Assurances

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

- (1) Compliance with Regulations: CONTRACTOR shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, 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 agreement.
- (2) Nondiscrimination: CONTRACTOR, with regard to the work performed by it during the AGREEMENT, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. CONTRACTOR shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the agreement covers a program set forth in Appendix B of the Regulations.
- (3) Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by CONTRACTOR for work to be performed under a Sub-agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by CONTRACTOR of the CONTRACTOR'S obligations under this Agreement and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

(4) Information and Reports: 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 California Department of Transportation or FHWA to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of CONTRACTOR is in the exclusive possession of another who fails or refuses to furnish this information, CONTRACTOR shall so certify to the California Department of Transportation or the FHWA as appropriate, and shall set forth what efforts CONTRACTOR has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of CONTRACTOR's noncompliance with the nondiscrimination provisions of this agreement, the California Department of Transportation shall impose such agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:

(a) withholding of payments to CONTRACTOR under the Agreement within a reasonable period of time, not to exceed 90 days; and/or

(b) cancellation, termination or suspension of the Agreement, in whole or in part.

(6) Incorporation of Provisions: CONTRACTOR shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

CONTRACTOR shall take such action with respect to any sub-agreement or procurement as the California Department of Transportation or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, CONTRACTOR may request the California Department of Transportation enter into such litigation to protect the interests of the State, and, in addition, CONTRACTOR may request the United States to enter into such litigation to protect the interests of the United States.

#### 1.14. Use of United States –Flag Vessel (Cargo Preference Act)

(1) Contractor shall utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) Contractor shall furnish within 20 days following the date of loading for shipments originating within the United State or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) Contractor shall insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

1.15 Federal Trainee Program

Federal Trainee goal and special provisions do not apply if the project has less than 100 working days.

## SECTION 01 11 00

### SUMMARY OF WORK

#### PART 1 GENERAL

##### 1.1 PROJECT SCOPE OF WORK

The work to be done includes, but is not limited to: *rehabilitation of the pavement on Novato Blvd from San Marin Drive to westerly city limits, Redwood Blvd from Rush Creek Place to San Marin Drive and from San Marin Drive to Wood Hollow Drive, Wilson Avenue between Center Road and southerly city limits. The improvements will include construction of ADA compliant access ramps, removal and replacement of damaged concrete curb, gutter and sidewalk, pavement repairs consisting of asphalt concrete dig-out and patches, grinding of the existing pavement, placement of reinforcing fabric, hot mix asphalt overlay, replacement of pavement striping and markings, installation of new traffic signs, installation of a new crosswalk on Novato Boulevard which will include a median pedestrian refuge area, bulb-outs, and a rectangular rapid flashing beacon (RRFB) lighted crosswalk sign system, widening and rehabilitation of the existing asphalt path along the north side of Novato Boulevard to meet Class I Multi-Use Path and accessibility standards, and other items or details not mentioned above that are required by the plans, standard specifications, or these special provisions to be performed, placed, constructed, or installed.*

##### 1.2 REFERENCES

The following standards, manuals, or related documents are made by reference to the all technical specifications (Division 01 and greater) and the physical work in general:

- A. 2018 Caltrans Standard Specifications.
- B. 2018 Caltrans Standard Plans.
- C. Uniform Construction Standards All Cities and County of Marin 2008

##### 1.3 SUBMITTALS

Submit the following to the Engineer in accordance with Section 00 72 11 1.31 (Submittal Procedures):

- A. Project Schedule
- B. Schedule Updates (with progress payments)
- C. Submittal List

##### 1.4 PROJECT DRAWINGS

The following drawings accompany this specification and are a part thereof.

**2019 NOVATO ANNUAL PAVEMENT REHABILITATION PROJECT**, prepared by City of Novato  
Public Works Department.

1.5 QUALITY ASSURANCE

The City will perform quality assurance testing for various construction materials used in the Work. The Contractor is responsible to ensure that all materials and workmanship meet the project requirements. The Contractor is responsible to ensure that the materials or assemblies delivered to the work site conform to the approved submittals where required before incorporation into the work.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION

## SECTION 01 55 26

### TEMPORARY TRAFFIC CONTROL

#### PART 1 GENERAL

##### 1.1 SCOPE

This Sections applies to the work as it impacts pedestrian, bicycle and vehicular traffic within or near the work area, including individual driveways, freeway overcrossings, on-ramps, off-ramps and street frontage and maintaining existing traffic management system elements during construction.

##### 1.2 REFERENCES

The following standards, manuals, or related documents are made by reference to this specification and the project in general:

- A. California Department of Transportation (Caltrans) Standard Specifications, 2018.
- B. Caltrans Office of Traffic Engineering.
- C. California Manual on Uniform Traffic Control Device (MUTCD), latest edition.
- D. AASHTO Roadside Design Guide, 2011 or newer.

##### 1.3 MEASUREMENT AND PAYMENT

###### A. Temporary Traffic Control:

1. Bid Item Description: **“Temporary Traffic Control”**
2. Basis of Measurement: Lump Sum (LS).
3. Basis of Payment: shall full compensation for furnishing all labor, including flagging costs, materials, tools, equipment and incidentals, for preparing a Traffic Control Plan, furnishing all labor, materials (including signs), tools, devices (changeable message sign), equipment, and incidentals for completing all the work involved in placing, removing, storing, maintaining, moving the new locations, replacing, disposing of the components for the traffic control system for lane closure, and maintaining existing traffic management system elements during construction, as specified in the Standard Specifications and these Project Specifications and as directed by the Engineer.

##### 1.4 SUBMITTALS

Submit the following to the Engineer in accordance with Section 00 72 11 1.31 (Submittal Procedures):

- A. Traffic Control Plan

#### 1.4.1 TRAFFIC CONTROL PLAN

For work the Contractor shall develop and submit to the City a Traffic Control Plan. The Contractor may not start any work that may affect traffic until the City approves the Traffic Control Plan. The Traffic Control Plan (TCP) must address traffic safety and control in the work zone. A TCP must describe the measures to be used to facilitate road users through a work zone, an incident area, or other event that temporarily disrupts normal road user flow. The TCP has a vital role in providing continuity of reasonable, safe and efficient road user flow and for workers' safety.

- A. The TCP shall address impacts for work locations that may have direct or indirect effect on traffic operations on freeway overcrossings, on-ramps and off-ramps, from and to US 101. If on-ramps will be closed, detour plans will be required and the specifications should include ramp and lane closure times.
- B. The TCP shall be consistent with the provisions under Part 6 of the *California Manual on Uniform Traffic Control Device* (MUTCD) and with the work zone hardware recommendations in Chapter 9 Traffic Barriers, Traffic Control Devices and Other Safety Features for Work Zone (2002 Edition) of the *AASHTO Roadside Design Guide*. You can purchase this guidebook at AASHTO Publications, P.O. Box 933538, Atlanta, Georgia 31193, phone no. 1-800-231-3475 or at this web site: <https://bookstore.transportation.org/> .
- C. In developing and implementing the TCP, the pre-existing roadside safety hardware shall be maintained at an equivalent or better level than what existed, prior to project implementation. The scope of TCP is determined by the project characteristics and the traffic safety and control requirements identified by the City. The TCP shall be either referenced to specific TCP elements in the MUTCD, or be designed specifically for the project.
- D. TCP shall be prepared by persons knowledgeable (for example, trained and/or certified) about the fundamental principles of temporary traffic control and work activities to be performed. The design, selection, and placement of control devices for a TCP should be based on engineering judgment. Coordination shall be made between adjacent or overlapping projects to check that duplicate signing is not used and to check compatibility of traffic control between adjacent or overlapping projects. Traffic control planning shall be completed for all encroachment related construction including, substantial deliveries or equipment staging, utility work, maintenance operations, and incident management including minor maintenance and utility projects prior to occupying the traffic control zone. Planning for all road users shall be included in the process, especially adjacent or impacted driveways.
- E. Provisions for effective continuity of accessible circulation paths for pedestrians shall be incorporated into the TCP development process. Where existing pedestrian routes are blocked or detoured, information shall be provided about alternative routes that are usable by pedestrians with disabilities, particularly those who have visual disabilities. Access to temporary bus stops, travel across intersections with accessible pedestrian signals (see Section 4E.09 of the MUTCD), and other routing issues shall be considered where temporary pedestrian routes are channelized. Barriers and channelizing devices that are detectable by people with visual disabilities shall be provided per MUTCD 6F.74.

#### PART 2 PRODUCTS

Not Used.

## PART 3 EXECUTION

### 3.1 MAINTAINING TRAFFIC

The Contractor shall adhere to the requirements of Sections 7-1.03, "Public Convenience," 7-1.04, "Public Safety," and 12, "Temporary Traffic Control," of the Standard Specifications. Nothing in this Specification Section shall be construed as relieving the Contractor from his responsibility for Public Safety.

- A. The Contractor shall install minimum of 4 Portable Changeable Message signs (including message sign panel, control systems, a power source, mounting and transporting equipment) immediately following the contract award to alert motorists of upcoming project and duration. Portable Changeable Message signs should subscribe to the principles of the current edition of the California MUTCD (Chapter 2L). The color of the elements should be yellow or orange on a black background. Location and message shall be approved in advance by the Project Engineer.
- B. Traffic control system shall consist of closing traffic lanes in accordance with the provisions of Section 12, "Temporary Traffic Control," of the Standard Specifications.
- C. All workers shall be supplied with and wear safety vests when working on City streets for any and all phases of this contract.
- D. Three days prior to start of work, the Contractor shall furnish the Engineer with a Project Schedule that details construction activities and operations, including material and equipment deliveries, off-hauling and other activities. During the contract period, the Contractor shall coordinate his activities daily with the Engineer and make every effort to minimize the disruption of normal traffic and parking.
- E. The Contractor shall be responsible for placing "No Parking" barricades and signs seventy two (72) hours prior to any work requiring such traffic control.
- F. During all sequences of the contract, the following provisions shall be adhered to:
  1. Work activities that in opinion of the Engineer disrupt traffic in any way, may not begin prior to 9:00 a.m., nor continue past 3:00 p.m.
  2. Access must be maintained at all times to residents unless approved by the Engineer.
  3. No portion of streets may be reduced to less than one-way traffic control.
- G. Flaggers shall be provided to maintain safe traffic flow and as directed by the Project Engineer. All persons engaged in flagging operations shall be furnished by the Contractor at his expense.
- H. Should the Contractor fail to provide for public safety as specified, or if in the opinion of the Engineer, the signs and warning devices furnished by the Contractor are not adequate, the

City may place any signs, warning lights or barricades to protect or warn the public of any dangerous condition connected with the Contractor's operations, and the Contractor shall become liable to the City at the rate of 1.75 times the City's actual costs.

- I. The City will be entitled to assess such charges against the Contractor and deduct the cost thereof from any money due or that may become due to the Contractor under this contract. The action of the City in placing any warning devices shall not be construed as relieving the Contractor from any of the Contractor's obligations to provide adequate warning of dangerous conditions.
- J. The Contractor shall provide for the safe and convenient passage of pedestrian and bicycle traffic throughout the limits of the job site at all times. Special grading and/or paving may be required to implement this provision. Any such work shall be paid for at the contract price for the items of work involved in providing such passage.
- K. Normal movement of traffic shall be maintained at all times during project construction unless approved by the Engineer.
- L. During construction (and for locations and events where no specific instruction regarding traffic control is provided elsewhere in the contract documents):
  - 1. A minimum of one (paved) traffic lane not less than 10-feet wide shall be open for use by public traffic at all times during work hours.
  - 2. The Contractor shall perform work such that vehicular access to ALL residences is available by no later than 4:00 p.m.
  - 3. Whenever vehicles or equipment are parked within 6 feet of a traffic lane, the area shall be closed with fluorescent traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the pavement at 25-foot intervals to a point not less than 25 feet past the last vehicle or piece of equipment. A minimum of nine cones or portable delineators shall be used for the taper. A W20-1 (Road Work Ahead) or W21-5 (Shoulder Work Ahead) sign shall be mounted on a telescoping flag tree with flags. The flag tree shall be placed where directed by the Engineer.
  - 4. Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulder, including any section closed to public traffic during construction.
- M. Minor deviations from the requirements of this section concerning hours of work which do not significantly change the cost of the work, may be permitted upon the written request of the Contractor if, in the opinion of the Engineer, public traffic will be better served and the work expedited. Such deviations shall not be adopted until the Engineer has indicated his written approval. All other modifications will be made by contract change order.
- N. The Contractor is to provide safe and convenient vehicular access to side streets and all driveways fronting the streets involved in the work herein.
- O. When lane closures are made for work periods only, at the end of each work period, all components of the traffic control system, except portable delineators placed along open trenches or excavation adjacent to the traveled way, shall be removed from the traveled way

and shoulder. If the Contractor so elects, said components may be stored at selected central locations, approved by the Engineer, with the limits of the highway right-of-way.

- P. Signs for traffic control system shall conform to the provisions under Paragraph 3.5 Construction Area Signs.
- Q. The provisions in this section will not relieve the Contractor from his responsibility to provide such additional devices or take such measures as may be necessary to comply with the provisions in Section 7-1.04, "Public Safety," of the Standard Specifications.

### 3.2 TRAFFIC CONTROL – STATE RIGHT OF WAY

- A. One lane in each direction may be closed within State right-of-way (R/W) while work is actively in progress between 9:00 AM and 3:00 PM, Monday through Friday, except holidays, or as otherwise approved by the District Traffic Manager.
- B. Provide access to and from ramps at all times. One lane on ramp may be closed with detour provided if needed for work between 9:00 AM and 3:00 PM, Monday through Friday, except holidays, or as otherwise approved by the District Traffic Manager.

### 3.3 TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE

- A. Traffic control system shall consist of closing traffic lanes in accordance with the provisions of Section 12, "Temporary Traffic Control," of the Standard Specifications, the provisions under Paragraph 3.1 "Maintaining Traffic". The provisions in this section will not relieve the Contractor from his responsibility to provide such additional devices or take such measures as may be necessary to comply with the provisions in Section 7-1.04, "Public Safety," of the Standard Specifications.
- B. When lane closures are made for work periods only, at the end of each work period, all components of the traffic control system, except portable delineators placed along open trenches or excavation adjacent to the traveled way, shall be removed from the traveled way and shoulder. If the Contractor so elects, said components may be stored at selected central locations, approved by the Engineer, with the limits of the highway right-of-way.
- C. Signs for traffic control system shall conform to the provisions under Paragraph 3.5 Construction Area Signs and Paragraph 3.1 Maintaining Traffic. If any component in the traffic control system is displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Contractor shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

### 3.4 MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

- A. Traffic Management System (TMS) elements include, but are not limited to ramp metering (RM) system, communication system, traffic monitoring stations, video image vehicle detection system (VIVDS), microwave vehicle detection system (MVDS), loop detection system,

changeable message sign (CMS) system, extinguishable message sign (EMS) system, highway advisory radio (HAR) system, closed circuit television (CCTV) camera system, roadway weather information system (RWIS), visibility sensor, and fiber optic system.

- B. Existing TMS elements, including detection systems, identified on the plans and located within the project limits shall remain in place and be protected from damage. If the construction activities require existing TMS elements to be nonoperational or off line, and if temporary or portable TMS elements are not shown on the plans, the Contractor shall provide for temporary or portable TMS elements. The Contractor shall receive the Engineer's approval on the type of temporary or portable TMS elements and installation method.
- C. Before work is performed, the Engineer, the Contractor, and the Department's Traffic Operations Electrical representatives shall jointly conduct a pre-construction operational status check of all existing TMS elements and each element's communication status with the Traffic Management Center (TMC), including existing TMS elements that are not shown on the plans and elements that may not be impacted by the Contractor's activities. The Department's Traffic Operations Electrical representatives will certify the TMS elements' location and status, and provide a copy of the certified list of the existing TMS elements within the project limits to the Contractor. The status list will include the operational, defined as having full functionality, and the nonoperational components.
- D. The Contractor shall obtain written approval from the Engineer at least 72 hours before interrupting existing TMS elements' communication with the TMC that will result in the elements being nonoperational or off line. The Contractor shall notify the Engineer at least 72 hours before starting excavation activities.
- E. Traffic monitoring stations and their associated communication systems, which were verified to be operational during the pre-construction operational status check, shall remain operational on freeway/highway mainline at all times, except:
  - 1. For a duration of up to 15 days on any continuous segment of the freeway/highway longer than 3 miles
  - 2. For a duration of up to 60 days on any continuous segment of the freeway/highway shorter than 3 miles
- F. If the construction activities require existing detection systems to be nonoperational or off line for a longer time period or the spacing between traffic monitoring stations is more than the specified criteria above, and temporary or portable detection operations are not shown on the plans, the Contractor shall provide provisions for temporary or portable detection operations. The Contractor shall receive the Engineer's approval on the type of detection and installation before installing the temporary or portable detection.
- G. If existing TMS elements shown on the plans or identified during the pre-construction operational status check, except traffic monitoring stations, are damaged or fail due to the Contractor's activity, where the elements are not fully functional, the Engineer shall be notified immediately. If the Contractor is notified by the Engineer that existing TMS elements have been damaged, have failed or are not fully functional due to the Contractor's activity, the damaged or failed TMS elements, excluding structure-related elements, shall be repaired or replaced, at the Contractor's expense, within 24 hours. For a structure-related elements, the

Contractor shall install temporary or portable TMS elements within 24 hours. For nonstructure-related TMS elements, the Engineer may approve temporary or portable TMS elements for use during the construction activities.

- H. The Contractor shall demonstrate that repaired or replaced elements operate in a manner equal to or better than the replaced equipment or as directed by the Engineer. If the Contractor fails to perform required repairs or replacement work, as determined by the Engineer, the State may perform the repair or replacement work and the cost will be deducted from monies due to the Contractor.
- I. A TMS element shall be considered nonoperational or off line for the duration of time that active communications with the TMC is disrupted, resulting in messages and commands not transmitted from or to the TMS element.
- J. The Contractor shall provide provisions for replacing existing TMS elements within the project limits, including detection systems that were not identified on the plans or during the pre-construction operational status check that became damaged due to the Contractor's activities.
- K. If the pre-construction operational status check identified existing TMS elements, then the Contractor, the Engineer, and the Department's Traffic Operations Electrical representatives shall jointly conduct a post construction operational status check of all existing TMS elements and each element's communication status with the TMC. The Department's Traffic Operations Electrical representatives will certify the TMS elements' status and provide a copy of the certified list of the existing TMS elements within the project limits to the Contractor. The status list will include the operational, defined as having full functionality, and the nonoperational components. TMS elements that cease to be functional between pre and post construction status checks shall be repaired at the Contractor's expense and as directed by the Engineer.
- L. The Engineer will approve, in writing, the schedule for final replacement, the replacement methods and the replacement elements, including element types and installation methods before repair or replacement work is performed. The final TMS elements shall be new and of equal or better quality than the existing TMS elements.

### 3.5 CONSTRUCTION AREA SIGNS

Construction area signs shall be furnished, installed, maintained, and removed when no longer required in accordance with the provisions in Section 12, "Temporary Traffic Control," of the Standard Specifications and this specification.

- A. The base material of construction area signs shall not be plywood.
- B. The Contractor shall notify the appropriate regional notification center for operators of subsurface installations at least two working days, but not more than 14 calendar days, prior to commencing any excavation for construction area signposts. The regional notification centers include but are not limited to the following:

Notification Center	Telephone
Underground Service Alert – Northern California (USA)	1-800-227-2600

- C. All excavations required to install construction area signs shall be performed by hand methods without the use of power equipment, except that power equipment may be used if it is determined there are no utility facilities in the area of the proposed post holes.
- D. Sign substrates for stationary mounted construction area signs may be fabricated from fiberglass reinforced plastic as specified under “Prequalified and Tested Signing and Delineation Materials” in Section 00 72 11.
- E. The Contractor shall refer to the current edition of the California MUTCD and shall furnish, erect, maintain, and remove all necessary signs and devices during the length of this contract.
- F. During periods of work in the roadway, the Contractor shall post and maintain three additional C17 signs in each direction for police radar reinforcement of 25 mph construction zone pursuant to Section 22362 of the California Vehicle Code in locations as designated by the Engineer.
- G. The Contractor shall place “Road Work Ahead” (W20-1) signs and “End Road Work” (G20-2) signs at all limits of work for any and all phases of the contract.
- H. All locations where pavement surface has been removed or ground resulting in surface difference of 0.15’ or more, including where a temporary asphalt taper has been placed, shall be posted with appropriate MUTCD Warning signs.
- I. The Contractor shall be responsible for procuring and placing “No Parking” barricades and signs 72 hours prior to any work requiring such traffic control. These signs must be dated and include the inscription [CVC 22651 L, M, N (City Ord. 758 Sec. 18-3.5, 7.11, 7.16) Novato Police, 909 Machin Ave., and (415) 897-4361]. At Contractor’s option, approved signs may be purchased from the City of Novato, 922 Machin Avenue, (415) 899 – 8900 for \$1.50 each.
- J. All No Parking signs must be written with black permanent ink and 1” tall lettering. Signs must include date and day of week with no more than 3 days listed at a time. If signs are reused, added information is to be covered by white only (tape, label, white ink, etc.) before remarking as stated above.
- K. A City representative will notify the City Traffic Sergeant as to sign locations and compliance 72 hours prior to work.
- L. All signs and warning devices, including warning signs placed beyond the limit of work, shall be provided by the Contractor and shall become his property after completion of the contract.

END OF SECTION

## SECTION 02 41 13

### SELECTIVE SITE DEMOLITION

#### PART 1 GENERAL

##### 1.1 SCOPE OF WORK

Specifically, this Sections applies to the selective removal of existing concrete improvements, including curb and gutter, sidewalk, curb ramps, driveway approaches and driveway segments, and concrete storm drain facility aprons within the project limits and as shown on the plans.

##### 1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Concrete and Asphalt Removal: The required removal of existing concrete sidewalk, curb and gutter, driveway approaches, and driveways required to construct new improvements shown on the plans will not be paid for separately. The basis of measurement and compensation for removal and subsequent replacement of existing concrete is covered in Section 32 16 00 Concrete Curbs and Sidewalks. The basis of measurement and compensation for removal of existing asphalt concrete via cold planning or grinding is covered in Section 32 12 16 Hot Mix Asphalt Paving.
- B. Waste Management Plan: A Waste Management Plan is required as specified below. Full compensation for preparing and implementing the Plan shall be considered as included in the various contract prices paid for the items of work and no additional compensation shall be allowed therefore.

##### 1.3 REFERENCES

The following standards, manuals, are made by reference to this specification:

- A. Section 15, "Existing Highway Facilities," of the Standard Specifications and these Special Provisions.

##### 1.4 SUBMITTALS

Submit the following to the Engineer in accordance with Section:

- A. Waste Management Plan

###### 1.4.1 WASTE MANAGEMENT PLAN

Prior to the start of work, the Contractor shall prepare and submit for approval a Waste Management Plan (WMP). The contractor shall strive to divert 50% of the total demolition debris from being landfilled by either recycling or reuse. The WMP shall provide the following information:

1. The estimated volume or weight of debris, by materials type, to be generated;
2. The estimated volume or weight of such materials that can feasibly be diverted via reuse;
3. The estimated volume or weight of such materials that can feasibly be diverted via recycling;

4. The vendor and/or facility that the contractor proposes to use to collect or receive said materials;
5. The estimated volume or weight of materials that will be landfilled.

As part of project closeout, the contractor shall submit receipts from the vendor or facility that collected or received each material showing the actual weight or volume of the material received. Any additional information the contractor believes is relevant to determining its efforts to comply in good faith with this section shall be submitted. Applicants shall make reasonable efforts to ensure that all demolition debris diverted or landfilled are measured and recorded using the most accurate method of measurement available.

## PART 2 PRODUCTS

Not Used

## PART 3 EXECUTION

### 3.1 CONCRETE REMOVAL

- A. The removal of existing concrete shall be performed in accordance with Section 15-1.03B of the Standard Specifications. The removal of existing sidewalk, curb and gutter, driveway approaches, and driveways is required to construct new improvements.

### 3.2 ASPHALT CONCRETE REMOVAL

The removal of existing asphalt concrete shall be performed in accordance with Section 15 of the 2018 Standard Specifications. The removal of existing asphalt concrete pavement is required at the locations shown in order to construct new improvements. The required saw cutting and removal of existing asphalt concrete to allow for construction of new concrete adjacent to existing streets as well as subsequent installation of new hot mix asphalt pavement is covered under Section 32 12 16.

END OF SECTION

## SECTION 10 14 00

### SIGNAGE & SIGNAGE SYSTEMS

#### PART 1 - GENERAL

##### 1.1 SUMMARY

###### A. Section Includes:

1. Traffic signage for pedestrian crosswalk applications
2. Traffic signage vehicle applications

###### UNIT PRICE - MEASUREMENT AND PAYMENT

###### B. Traffic Signage and Traffic Signage Systems

1. Basis of Payment: payment shall be per each as detailed on the bid schedule and includes all work required to install the individual signs and the signage systems, post and base, including demolition, sawcutting, dig out and patch, concrete footings, off-haul of excess materials, etc.

##### 1.2 SUBMITTALS

###### A. Shop Drawings:

1. Street Signage - Indicate sign types per latest MUTCD Sign Charts - Purchase and installation by Contractor
2. Signage Systems – Purchase and installation by Contractor

###### B. Manufacturer's Installation Instructions: Installation template and attachment devices.

##### 1.3 QUALITY ASSURANCE

###### A. Perform Work according to Caltrans and manufacturer's standards.

##### 1.4 DELIVERY, STORAGE, AND HANDLING

###### A. Protect signs and signage systems from damage prior to installation.

#### PART 2 - PRODUCTS

##### 2.1 TRAFFIC SIGNS

###### A. Manufacturers: Any manufacturer that meets Caltrans standards.

##### 2.2 TRAFFIC SIGNAGE SYSTEMS

Mounting Hardware

1. Traffic Sign mounting hardware - Contractor responsible for purchase and installation
2. RRFB Systems – Contractor responsible for purchase, assembly and installation

PART 3 - EXECUTION

3.1 INSTALLATION

A. Traffic Signs

1. Install posts as per detail 13/10.
2. Bottom of sign shall be minimum 7' above grade
3. Engineer to locate in field prior to Contractor installation

## SECTION 31 12 00

### SELECTIVE CLEARING AND GRUBBING

#### PART 1 GENERAL

##### 1.1 SCOPE OF WORK

This specification sections applies to the required demolition/removal of minor improvements, stripping, grubbing, and disposing of tree roots, branches, stumps, and other vegetation from the designated areas.

##### 1.2 REFERENCES

The following standards, manuals, are made by reference to this specification:

- A. Section 4-1.13, "Cleanup", of the 2015 Caltrans Standard Specifications.
- B. Section 16, "Clearing and Grubbing", of the 2015 Caltrans Standard Specifications.

##### 1.3 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Clearing and Grubbing: At all locations, full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for completing all work involved in clearing and grubbing required for construction of new improvements as shown on the plans, removal of landscape curbing, tree or shrub root trimming, temporary removal and reinstallation of cobble stones and bricks in landscape areas, temporary removal and reinstallation of mailboxes and fencing, as specified in the Standard Specifications and Project Specifications, and as directed by the Engineer, including the transportation and disposal of all the resulting material. shall be considered as included in the prices paid for the various contract items, and no separate payment shall be made therefore.

##### 1.4 QUALITY ASSURANCE

The City will inspect the work to ensure that it is performed in accordance with the contract documents.

- A. All work described in these specifications or shown on drawings, and all work necessary to completely finish work as described or shown, shall be performed in a professional manner.
- B. All work shall be done by persons who are thoroughly experienced and trained in their particular trade or craft.
- C. The contractor will keep detailed records of all activities, permits, correspondence, and related documents until the department has accepted the clearing and grubbing as required by the contract and plans.

## PART 2 PRODUCTS

Not Used

## PART 3 EXECUTION

### 3.1 PROTECTION

#### 3.1.1 ROADS AND WALKS

Keep roads and walks free of dirt and debris at all times.

#### 3.1.2 UTILITY LINES

Protect existing utility lines that are indicated to remain from damage. Notify the Engineer immediately of damage to or an encounter with an unknown existing utility line. The Contractor is responsible for the repairs of damage to existing utility lines that are indicated or made known to the Contractor prior to start of clearing and grubbing operations. When utility lines which are to be removed are encountered within the area of operations, notify the Engineer in ample time to minimize interruption of the service.

#### 3.1.3 ROOT PROTECTION

Where concrete removal is adjacent to existing trees not designated for removal, care shall be taken to protect the roots. All root pruning, if required, shall create a clean and precise cut on the tree side. No tearing or ripping of roots from the tree will be allowed. Acceptable equipment may include stump grinders, trenchers, chain saws, or other pre-approved equipment, which achieves a clean and precise cut. Tearing roots from the ground followed by clean cutting will not be accepted. No sealer is to be used on cut roots. If cut roots are to be exposed to sunlight for more than 24 hours, they shall be temporarily protected by a single layer of wet burlap and maintained in a wet condition until permanently covered by soil or concrete. Where feasible, roots shall be shaved to an elevation sufficient to accommodate replacement sidewalk, rather than removed.

All roots shall be covered with an appropriate fabric prior to concrete placement. Roots shall be removed or shaved as directed by the Engineer.

### 3.2 MINOR DEMOLITION, CLEARING AND GRUBBING

Existing landscape improvements such as curbing, header boards, present within the new improvements shall be removed and disposed of prior to the work. Sawcutting existing concrete at the edge of new concrete may be required to form a neat line edge. Tree branch and root trimming shall be done by a qualified tree service company approved by the Engineer prior to any tree branch trimming. Special care shall be taken to preserve the aesthetics of all trees that are to remain. All cuts shall be painted with an approved tree wound dressing.

Trees shall be removed and all vegetation shall be cleared and grubbed only within the excavation and embankment slope lines and where shown.

Clearing shall consist of the felling, trimming, and cutting of trees into sections and the satisfactory disposal of the trees and other vegetation designated for removal, including downed timber, snags, brush, and rubbish occurring within the areas to be cleared. [Clearing shall also include the removal and disposal of structures that obtrude, encroach upon, or otherwise obstruct the work.]

Per the Engineer's direction, trees, shrubs, vegetation and other improvements as shown on the plans shall be removed at roadway right of way. Trees proposed to be removed are identified on the plans. The Engineer shall designate, in the field, after the contractor's removal of adjacent concrete, and consultation with the City's arborist, which of the trees are to be removed by the Contractor. The Contractor shall remove only those trees designated by the Engineer in the field for removal. There are five trees identified on plans as proposed to be removed including stumps; which have been confirmed by the arborist for removal.

Tree roots at removed tree removal locations shall be ground 24" below the finish grade to a width sufficient to accommodate replacement tree planting, and all voids as a result of tree and bush removal shall be backfilled and compacted to 90% minimum relative compaction. All roots conflicting with replacement sidewalk shall be removed at no additional cost.

### 3.3 DISPOSAL

The Contractor shall be responsible for the removal and disposal of materials resulting from the Clearing and Grubbing work and shall reinstate all other improvements, including landscaping to their original condition at no additional cost.

END OF SECTION

SECTION 32 11 23  
AGGREGATE BASE COURSES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Aggregate base course.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

At all locations, aggregate base course shall be considered as included in the prices paid for the various contract items for concrete or HMA, and no separate payment shall be made therefore.

1.3 SUBMITTALS

- A. Materials Source: Name of aggregate materials suppliers.
- B. Manufacturer's Certificate: Products meet or exceed Caltrans Standards.

PART 2 - PRODUCTS

2.1 AGGREGATE MATERIALS

- A. Aggregate base shall be Class 2, ¾" maximum gradation and shall conform to the provisions in Section 26, "Aggregate Bases," of the 2018 Standard Specifications.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify compacted substrate is dry and ready to support concrete work and imposed loads.
  - 1. Notify the Engineer if soft substrate or unsuitable conditions are present.
- B. Verify substrate has been inspected, gradients and elevations are correct.

### 3.2 PREPARATION

- A. Correct irregularities in substrate gradient and elevation by scarifying, reshaping, and re-compacting.
- B. Do not place fill on soft, muddy, or frozen surfaces.

### 3.3 AGGREGATE PLACEMENT

- A. Furnish, place and compact aggregate base course at the locations shown on the plans.
- B. Level and contour surfaces to elevations, profiles, and gradients indicated.
- C. Maintain optimum moisture content of fill materials to attain specified compaction density.
- D. Use mechanical tamping equipment in areas inaccessible to compaction equipment.

### 3.4 FIELD QUALITY ASSURANCE

- A. Compaction testing will be performed by the City's Testing Firm as determined by the Engineer. When tests indicate Work does not meet specified requirements, remove Work, replace and retest.

### 3.5 COMPACTION

- A. Aggregate base shall be compacted to 90% of the laboratory maximum dry density.

END OF SECTION 32 11 23

SECTION 32 12 16

HOT MIX ASPHALT (HMA) PAVING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. HMA paving base course and surface course.
  2. HMA dig-out and patches.
  3. Planing existing pavement.
  4. Pavement reinforcing fabric.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. AC Berm:
1. Bid Item Descriptions: **“Remove and Replace HMA Dike”**.
  2. Basis of Measurement: By the lineal foot (LF).
  3. Basis of Payment: Shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for completing all the work involved in removing existing HMA Dike and installing the HMA Dike, including removal of existing material and furnishing the asphalt concrete for and constructing the HMA Dike as shown on the plans, as specified in the Standard Specifications and this Specification and as directed by the Engineer.
- B. HMA Dig-Out and Patch
1. Bid Item Descriptions: **“HMA Dig-Out and Patch”**.
  2. Basis of Measurement: per ton (TON).
  3. Basis of Payment: payment shall include for all work required to place the HMA material, including sawcutting the existing pavement, excavation to the depths shown, off-haul of material, supply and placement of fabric, and all HMA base placed to grade.
- C. Planing Existing Hot Mix Asphalt (HMA):
1. Bid Item Descriptions:
    - a. **“Plane Existing HMA (0.25’)”**.
    - b. **“Plane Existing HMA (0.15’)”**.
  2. Basis of Measurement: By the square yard (SY).
  3. Basis of Payment: Shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for completing all the work

involved in cold planing asphalt concrete surfacing and disposing of planed material, including furnishing the asphalt concrete for and constructing, maintaining, removing, and disposing of temporary asphalt concrete tapers, as specified and as directed by the Engineer.

4. Measurement of planed areas shall include for final planed surface area only, and shall not include any overlaps, nor be multiplied by any factor for any multiple passes required to achieve the specified depth, nor for any other reason. The quantity to be paid for will be the actual area of surface planed irrespective of the depth or number of passes required to obtain the depth and width shown on the plans.

D. Pavement Reinforcing Fabric

1. Bid Item Description: **Pavement Reinforcing Fabric**
2. Basis of Measurement: per the square yard (SY).
3. Basis of Payment: where paving fabric is used for roadway grind and paving as shown (Bolling Drive) including required overlaps, the contract unit price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for completing all the work involved in placing pavement reinforcing fabric including furnishing, installing and asphalt binder, and general clean up, as specified in the Standard Specifications and these Specifications and as directed by the Engineer.

For localized dig-outs and patches pavement reinforcing fabric will not be measured and paid for separately but shall be included in the unit price for the bid item “**HMA Dig-Out and Patch**”.

E. HMA Overlay

1. Bid Item Descriptions: **HMA Overlay – ½” mix.**
2. Basis of Measurement: per ton (TON) of HMA surface course placed.
3. Basis of Payment: shall include full compensation for furnishing all labor, materials, tools, mix designs, equipment, and incidentals, and for completing all the work involved in HMA surface course including furnishing, installing and compacting, including off-hauling and disposal of excess materials, and general clean up, as specified in the Standard Specifications and these Specifications and as directed by the Engineer.

1.3 SUBMITTALS

A. Mix Design and Product Data:

1. The Contractor shall submit the following items to the Engineer at least ten (10) working days prior to the placing of any HMA course:
  - a. A list of material sources
  - b. HMA mix design or Job Mix Formula (JMF)
  - c. Certificates of Compliance per Section 6 1.07, “Certificates of Compliance,” of the State Standard Specifications.

- B. Certificates of Compliance
  - 1. Asphalt Emulsions.
  - 2. Paving Fabric.
- C. Samples:
  - 1. Aggregate samples per Section 39-2.01A, "Job Mix Formula Verification," of the State Standard Specifications
- D. Review of the mix design will be at the City's expense:
  - 1. The Engineer will issue a letter upon approval of the mix design.
  - 2. The letter may include requirements for obtaining design air voids of 3% to 4% and asphalt content greater than that normally obtained by the use of Caltrans design methods.
  - 3. The Contractor shall not place HMA until the Engineer's written approval has been received.

#### 1.4 QUALITY CONTROL

- A. The Contractor shall be responsible for preparing the asphalt concrete mix design.
  - 1. The mix design shall be signed by a registered Civil Engineer and shall indicate the percentage passing each sieve size, percent asphalt recommended, percent voids, stability, and maximum theoretical unit weight at each asphalt content used to arrive at the recommended optimum bitumen content (OBC) and the mix design shall be no older than 6 months.
  - 2. Full compensation for preparing the asphalt concrete mix design shall be considered as included in the contract price paid for the work requiring the HMA placement and no additional compensation will be allowed.
- B. Mixing Plant: Conform to Section 39 of the Standard Specifications.

#### 1.5 AMBIENT CONDITIONS

- A. Do not place HMA when ambient air or base surface temperature is less than 40 degrees F, or surface is wet or frozen.

### PART 2 - PRODUCTS

#### 2.1 HOT MIX PAVING SCHEDULE

- A. For new pavement thickness between 0.2 feet and 0.35 feet, Contractor shall use 3/4" HMA Type "A".

- B. For new pavement thickness of 0.15 feet, Contractor shall use 1/2" HMA Type "A".

## 2.2 HOT MIX ASPHALT PAVING MATERIALS

### A. Asphalt Materials:

1. Asphalt grade: PG64-10 or PG64-16 grade asphalt shall be used.
2. Tack Coat: In accordance with Section 39-2.01C(3)(f) of the 2018 Standard Specifications, appropriate for the HMA application.
3. Reclaimed Asphalt Pavement (RAP): Processed material obtained by milling or full depth removal of existing asphalt paving.

### B. Aggregate Materials:

1. Coarse Aggregate, fine aggregate and mineral filler: In accordance with Section 39, "Hot Mix Asphalt," of the 2018 State Standard Specifications.
2. The combined aggregate shall not exceed 37% loss at 500 revolutions when tested by California Test Method 211 (L. A. Rattler).

## 2.3 HMA MIXES

### A. Asphalt Paving Mixtures: Designed in accordance with Section 39, "Hot Mix Asphalt," of the 2018 State Standard Specifications

1. Hot Mix Asphalt (HMA) Base Course: shall be 3/4" HMA Type "A".
2. Hot Mix Asphalt (HMA) Surface Course: shall be 1/2" HMA Type "A".
3. Hot Mix Asphalt (HMA) AC Berm: shall be 3/8" HMA Type "A".

### B. Paving Fabric: Pavement reinforcing fabric shall conform to the provisions in Section 96, "Geosynthetics", and Section 39-2.01C, "Geosynthetic Pavement Interlayer", of the 2018 Standard Specifications.

1. The fabric shall be non-woven 100% polypropylene material.
2. The surface area to receive the fabric shall be sprayed the steam refined pavement asphalt Type PG64-10 or PG64-16 at a rate of 0.22 to 0.25 gallons per square yard.
3. Subject to a prequalification test evidencing suitability of equipment and methods, the fabric may be placed by a combined PG64-10/16 application/fabric placement vehicle.
4. If improper PG64-10/16 or fabric placement results, the fabric shall be applied by a separate vehicle after application of the PG64-10.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify limits of Work with the Engineer.

### 3.2 PLANING EXISTING ASPHALT CONCRETE

- A. Existing asphalt concrete shall be planed at the locations and to the dimensions shown.
- B. Planing shall comply with Section 39-3.04, "Cold Planing Asphalt Concrete Pavement" of the 2018 Standard Specifications.
- C. Planing asphalt concrete pavement shall be performed by cold planing.
  - 1. The cold planing machine shall have a cutter head at least 30 inches wide and shall be operated so as not to produce fumes or smoke.
- D. The depth, width and shape of the cut shall be as indicated on the plans, typical cross sections, and details or as directed by the Engineer. The final cut shall result in a uniform surface conforming to the plans. The outside line of the planed area shall be neat and uniform. The road surfacing to remain in place shall not be damaged in any way.
- E. The cold planing machine shall be capable of planing the pavement without requiring the use of a heating device to soften the pavement during or prior to the planing operation.
- F. Planed widths of pavement shall be continuous except for intersections at cross streets where the planing shall be carried around the corners and through the conform lines. Following planing operations, a drop off of more than 0.15 foot will not be allowed at any time between adjacent lanes or parking areas open to public traffic.
- G. Where transverse joints are planed in the pavement at conform lines, no drop off shall remain between the existing pavement and the planed area when the pavement is opened to public traffic.
  - 1. If asphalt concrete has not been placed to the level of existing pavement before the pavement is to be opened to public traffic, a temporary asphalt concrete taper shall be constructed.
  - 2. The asphalt concrete shall be placed to the level of the existing pavement and tapered on a slope of 30:1 or flatter to the level.
- H. The Contractor shall recognize the potential safety and traffic problems that arise after a street has been planed down to its specific depth.
  - 1. Paving overlay operations shall follow grinding no later than 48 hours after planing has been finished and accepted.
  - 2. Flashing light barricade shall be placed and maintained at each structure (i.e., manholes) that could impair vehicular and pedestrian safety.
- I. Concrete gutter and curb chipped by the planing machine shall be epoxy patched, or sawcut, removed and replaced at the Contractor's expense. The method of correcting damaged curb and gutter shall be determined by the Engineer.

- J. Asphalt concrete for tapers shall be commercial quality and may be spread and compacted by any method that will produce a smooth riding surface. Asphalt concrete tapers shall be completely removed, including removing all loose material from the underlying surface, before placing the permanent surfacing.
- K. The material planed from the roadway surface where shown, including material deposited in existing gutters or on the adjacent traveled way, shall be immediately removed from the site of the work and disposed of as provided in Section 13-4.03D "Concrete Waste," of the 2018 Standard Specifications and Specification Section 02 41 13. The removal crew shall follow within 50 feet of the planer, unless otherwise directed by the Engineer.

### 3.3 PAVING FABRIC

- A. Prior to placing the fabric, the existing pavement to receive the fabric shall be cleaned to the satisfaction of the Engineer of all materials such as, but not limited to, leaves, sand, dirt, gravel, water and vegetation. Cleaning shall be by power broom plus any other suitable means as determined by the Contractor.
- B. Placement of the fabric shall be made only under the following conditions:
  - 1. The ambient air temperature is above 50 degrees and rising.
  - 2. The pavement shall be clean and dry and the pavement temperature 40 degrees and rising.
- C. Pavement reinforcing fabric shall be placed where shown on the plans and at locations designated by the Engineer.
- D. The minimum width of asphalt application will be the fabric width plus 4 inches.
- E. Paving asphalt shall be applied no farther in advance of the overlay than the distance, which the Contractor can maintain free of traffic.
- F. The asphalt shall be sprayed with a suitable metered truck or the truck must be recently calibrated by test method California Number 339A.
- G. The paving operation shall closely follow fabric placement and, unless approved by the Engineer, no more fabric than can be covered with HMA that working day shall be placed.
- H. Fabric Limits: The fabric shall be placed to within 6 inches of the lip of concrete gutter, edge of paving or conform limit.
  - 1. The fabric shall overlap 4 inches at all joints.
  - 2. No joints shall be lapped with more than two layers of fabric.
  - 3. Transverse joints shall be shingled to prevent pick up by the paver.

4. Asphaltic emulsion binder or paving asphalt shall be applied to all joints.
- I. The fabric shall be carefully placed to avoid wrinkles and broomed or squeegeed to remove any bubbles.
  1. Should wrinkles occur which are large enough to cause laps, the fabric shall be cut and laid out flat with a fabric patch placed over the cut 12 inches in width and sealed with SS 1h or paving asphalt.
- J. At each utility cover and monument, which would be covered with fabric, the fabric shall be neatly cut around the cover to allow for raising the cover to finished grade.
- K. Turning of the pavement machine or other vehicles should be gradual and shall be kept to a minimum to avoid damage to the fabric. Should equipment tires tend to stick to the fabric during paving operations, small quantities of asphalt concrete shall be broadcast ahead to prevent sticking.

#### 3.4 HMA BASE COURSE

- A. HMA base course shall be used for all dig-out and patch repairs to the final grade unless otherwise shown on the plans. HMA depth for dig-out and patch work shall be to the depths shown on the plans.
- B. HMA base shall be placed as shown on the plans.
  1. The plans show the general location and limits of anticipated removals, and the actual limits will be marked by the Engineer in the field.
  2. The initial lift may be spread by approved tractor in lieu of self-propelled paving machine, in a lift thickness of six inches.
  3. The initial lift of HMA for the base layer may be bottom dumped or end dumped, as directed by the Engineer, providing the material is spread locally and not excessively worked to produce segregation.
- C. The Contractor shall conduct his operations so as to minimize the development of unstable subgrade areas. Specifically:
  1. The Contractor shall limit hauling to certain areas of the roadway and, if necessary to avoid destabilizing subgrade, shall use a track-laying tractor instead of rubber-tire loading equipment.
  2. Hauling shall be done away from the work areas on unexcavated old pavement, constructed asphalt base, or on firm stabilized subgrade as approved by the Engineer.
  3. Payment for special operations to protect subgrade shall be included in the price paid per ton for HMA Dig-out and Patch and no additional compensation will be allowed therefore.

- D. Where subgrade has not been stabilized to 90% or greater relative compaction, the first lift of HMA base shall be “floated” onto the subgrade by means of a small tracked loader, dozer, hand shoveling, and light compaction equipment.
  - 1. In such cases, the initial lift shall then be allowed to thoroughly cool before equipment or traffic is allowed onto the asphalt base course.
  - 2. After cooling, if any blister areas remain, they shall be marked by the Engineer and dug out by the Contractor and the excavated area filled with fabric and hot asphalt concrete material of a thickness equal to twice the thickness of the adjacent non-blistered asphalt concrete base.
  
- E. Prior to placing any HMA surface course, the final HMA base course shall meet the following requirements:
  - 1. HMA base shall be placed to the final pavement surface unless noted otherwise.
  - 2. HMA base may be placed to the final grade at the 2-foot (and 3-foot at ramps) wide dig out locations.
  - 3. At the end of each working day, if a difference in excess of 0.15 feet exists between the elevation of the existing pavement and the elevation of any excavation within the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way.
  - 4. 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.
  - 5. The material shall be placed to the level of the elevation of the top of existing pavement and tapered at the slope of 4:1 or flatter to the bottom of the excavation.
  - 6. Treated base shall not be used for the taper.

### 3.5 HMA SURFACE COURSE

- A. HMA surface course shall be placed with a self propelled paving machine in accordance with the provisions in Section 39-2.01C(2), “Spreading and Compacting Equipment,” of the Standard Specifications (2018).
- B. The HMA layer shall be compacted to 95% of the maximum theoretical density (California Test 309)
- C. For driveway conforms and small area not suitable for standard paving equipment, the HMA may be spread and raked by hand and compacted using vibratory plates designed for compacting asphalt concrete.
- D. Where HMA surface course is placed next to or on top of existing concrete, asphalt concrete, or next to any concrete structure, a tack coat will be required.
- E. Any ridges, indentations, or other objectionable marks left in the surface of the HMA shall be eliminated by rolling or other means. The use of any equipment that leaves ridges, indentations, or other objectionable marks in the HMA shall be discontinued.

- F. At the end of each day's paving, longitudinal cold joints shall not exceed 200 linear feet.

### 3.6 INSTALLATION

#### A. Tack Coat

1. Apply tack coat in accordance with Section 39-2.01C(3)(f) of the 2018 Standard Specifications.
2. Apply tack coat to contact surfaces of curbs, gutters and bridge decks.
3. Full compensation for tack coat shall be considered as included in the contract unit price paid per ton for asphalt concrete surfacing, and no additional compensation will be allowed therefor.

#### B. HMA Paving and Compaction

1. Place asphalt paving overlay within 24 hours of applying primer or tack coat.
2. Place overlay to thickness indicated on Drawings.
3. Compact overlay by rolling to specified density. Do not displace or extrude paving from position. Hand compact in areas inaccessible to rolling equipment.
4. Perform rolling with consecutive passes to achieve even and smooth finish, without roller marks.

### 3.7 TOLERANCES

- A. The Contractor shall provide grade setters to achieve these results.

- B. Flatness: When a straightedge, 12 feet long, is laid on the finished surface and parallel with the centerline, the surface shall not vary more than 0.05 foot from the lower edge of the straightedge.

- C. The transverse slope of the finished surface shall be uniform to a degree such that no depressions greater than 0.05 foot are present when tested with a straightedge 12 feet long laid in a direction transverse to the centerline and extending from edge to edge of a 12 foot traffic lane.

- D. The Contractor shall perform planning or grinding or place a leveling course as needed to meet these requirements.

- E. Full compensation for any necessary grinding needed to meet these requirements shall be considered as included in the contract unit price paid per ton for HMA and no additional compensation will be allowed therefor.

- F. Leveling course needed to meet these requirements shall be paid for as HMA base course. Thickness of HMA leveling course, if needed, will vary and may be ½ inch gradation where approved by the Engineer.

3.8 FIELD QUALITY CONTROL

- A. The City’s Testing Firm will perform density and thickness testing of the HMA placed.
- B. Asphalt Paving Mix Temperature: Contractor shall measure temperature at time of placement.

**RUBBERIZED HOT MIX ASPHALT (RHMA)**

- A. General
  - 1. Summary  
This work includes producing and placing rubberized hot mix asphalt (gap graded) (RHMA-G) using the Standard process.  
Comply with Section 39, "Hot Mix Asphalt," of the 2010 Standard Specifications except as modified herein.
  - 2. Submittals  
Submit JMF information on Form CEM-3511 and Form CEM-3512. Submit Form CEM-3513 or CEM-3514 for mixes that have been verified within last 12 months. For unverified mixes, coordinate mix verification with Engineer.
- B. Materials
  - 1. General  
All hot mix asphalt materials shall be as specified in Section 39, “Hot Mix Asphalt”, of the 2010 Standard Specifications; these Technical Provisions; and the plans and typical sections.  
The aggregate shall be **3/8-inch** RHMA-G and shall conform to the following gradation and production tolerances:

<b>3/8-inch RHMA-G</b>		
<b>Sieve sizes</b>	<b>Target value limits</b>	<b>Allowable tolerance</b>
1/2”	100	---
3/8”	78 – 92	TV ± 6
No. 4	28 – 42	TV ± 7
No. 8	15 – 25	TV ± 6
No. 30	5 – 15	TV ± 5
No. 200	2.0 – 7.0	TV ± 2

In addition to complying with all aggregate quality requirements for RHMA-G in Section 39 (Hot Mix Asphalt) of the California Department of Transportation’s 2010 Standard Specifications, the following aggregate quality requirements shall apply:

<b>Quality characteristic</b>	<b>Test method</b>	<b>Requirement</b>
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Coarse durability	California Test 229	65 minimum
Fine durability	California Test 229	50 minimum
Percent flat and elongated particles (3:1 ratio)	California Test 235	25 maximum

2. Asphalt Binder  
The asphalt binder mixed with asphalt modifier and crumb rubber modifier shall be PG 64-16 and shall conform to Subsection 92-1.02(B) of the Caltrans Standard Specifications.
3. Mix Properties  
The RHMA-G mix design shall target 3.5% air voids and shall comply with all RHMA-G requirements in Section 39 (Hot Mix Asphalt) of the California Department of Transportation's 2010 Standard Specifications
4. Delivery Tickets  
Each delivery ticket shall include information on the material type, binder type, oil content, and the mix design number. Material delivered to the project without such annotations shall be subject to rejection.

C. Construction

1. General  
The paving shall be performed in such a way as to not leave any transverse paving joints at the end of each day's operation.
2. Surface Preparation  
The work shall consist of preparing the existing street surfaces prior to the commencement of paving. Such work shall include removing raised pavement markers, removing thermoplastic traffic markings and legends, controlling nuisance water, sweeping, watering, and removing loose and broken hot mix asphalt pavement and foreign material as specified in the Caltrans Standard Specifications and these Construction Specifications, and as directed by the Engineer.
3. Cold Joints  
All cold joints, both longitudinal and transverse, shall be heated with a torch immediately prior to paving. Cold joints include previous passes placed more than three hours prior. All cold joints shall be tack coated.
4. Layout  
The Contractor shall layout and mark the location of the edges of the paving passes of the surface course to match the new layout of the lane lines. The layout shall be made at least 24 hours prior to paving. The layout shall be approved by the Engineer prior to paving.  
If the striping is to remain unchanged, the edges of the paving passes shall conform to existing lane edges.  
In all cases where practical, each lane shall be paved in a single pass. In tapered transition areas, the shoulder areas shall be paved first, then the through lane shall be hotlapped immediately after the shoulder paving.  
For paving which incorporates new quarterpoints or gradebreaks due to keycuts or other conditions, the contractor shall provide equipment capable of adjusting to the new surface profile at the appropriate locations. The profile adjustments shall be within twelve inches of the actual quarterpoint or gradebreak.  
The contractor shall take sufficient measurements during laydown to assure that the full design rubberized hot mix asphalt layer depth is provided at each quarterpoint, gradebreak, and transition. Failure to provide the design depth at these areas will result in rejection of the work. Correction of this rejected work will include milling out the new hot mix asphalt from the road edge to the centerline

or nearest inside lane line and repaving. The minimum length of the milled and corrected area shall be fifty feet.

5. Tolerances

The finished rubberized hot mix asphalt surface shall be flush with, to 1/4 inch (0.02 feet or 6 mm) above, the gutter lips. The finished pavement surface shall not be lower than the gutter lips.

The average pavement thickness shall be equal to the specified thickness for the project. For total pavement thicknesses of less than four inches, the minimum allowable thickness will be 1/4 inch less than that specified. For total pavement thicknesses of four inches or more, the minimum allowable thickness will be 1/2 inch less than that specified.

6. Engineer's Acceptance

Modify 39-2.03A Testing as follows:

Change footnote e(1) to read as follows: "1. Use one location per pavement repair if the repair area is less than 200 square feet. Use three locations for areas between 200 and 1200 sf. Use three tests per 1200 sf thereafter.

Compaction shall be between 92.0% and 97.0%.

Add the following footnotes:

k. Engineer shall perform testing in accordance with CT 375 for acceptance, except maximum specific gravity (CT 309) shall replace TMD testing. Contractor shall perform independent quality control testing continuously during paving using nuclear or non-nuclear methods.

l. Failing tests shall be verified by coring if requested by the Contractor. The Contractor will take cores at locations randomly determined by the Engineer and give them to the engineer for testing. A minimum of 1 core per 250 tons or 3 cores per street, whichever is greater, shall be taken. Results shall be reported as the average of 3 cores.

Passing cores shall be paid for by the owner. Failing cores shall be paid for by the Contractor. If the core density testing produces both passing and failing cores, the cost will be prorated between the owner and Contractor.

The table for deductions indicated in the referenced revised Caltrans Section 39 shall apply to individual cores. The following table shall apply to deductions for average compaction of a lot:

**Reduced Payment Factors for Percent of Maximum Theoretical Density**

RHMA-G Percent of Maximum Theoretical Density	Reduced Payment Factor	RHMA-G Percent of Maximum Theoretical Density	Reduced Payment Factor
92.0	0.0000	97.0	0.0000
91.9	0.0125	97.1	0.0125
91.8	0.0250	97.2	0.0250
91.7	0.0375	97.3	0.0375
91.6	0.0500	97.4	0.0500
91.5	0.0625	97.5	0.0625
91.4	0.0750	97.6	0.0750
91.3	0.0875	97.7	0.0875
91.2	0.1000	97.8	0.1000
91.1	0.1125	97.9	0.1125
91.0	0.1250	98.0	0.1250
90.9	0.1375	98.1	0.1375
90.8	0.1500	98.2	0.1500
90.7	0.1625	98.3	0.1625
90.6	0.1750	98.4	0.1750
90.5	0.1875	98.5	0.1875
90.4	0.2000	98.6	0.2000
90.3	0.2125	98.7	0.2125
90.2	0.2250	98.8	0.2250
90.1	0.2375	98.9	0.2375
90.0	0.2500	99.0	0.2500
< 90.0	Remove and Replace	> 99.0	Remove and Replace

The Contractor shall have hand-compaction equipment immediately available for compacting all areas inaccessible to rollers. Hand-compaction shall be performed concurrently with breakdown rolling. If for any reason hand-compaction falls behind breakdown rolling, further placement of hot mix asphalt shall be suspended until hand-compaction is caught up. Hand-compaction includes vibraplates and hand tampers. Hand torches shall be available for rework of areas which have cooled.

After compaction, the surface texture of all hand work areas shall match the surface texture of the machine placed mat. Any coarse or segregated areas shall be corrected immediately upon discovery. Failure to immediately address these areas shall cause suspension of hot mix asphalt placement until the areas are satisfactorily addressed, unless otherwise allowed by the Engineer.

7. Temporary Transitions

The Contractor shall construct temporary pavement transitions at all paving joints greater than 1 inch prior to allowing traffic onto the paved surface. This includes both longitudinal and transverse paving joints for both leveling and surface courses. Temporary pavement transitions shall have

a maximum slope of 20:1 or as approved by the engineer and be constructed on Kraft paper or other suitable bond breaker such that upon removal of the temporary pavement transition, a clean vertical face remains. The temporary transitions may be constructed of either cold mix or hot mix. A tack coat is required on the transition area prior to final paving.

The Contractor shall continuously maintain the temporary pavement until final paving. Each temporary transition shall be inspected by the Contractor and repaired as necessary to comply with these provisions at the end of each day including weekends and holidays.

Failure to comply with these provisions will result in a liquidated damage of \$250 per day per transition and/or the cost of City crews making the repairs if necessary to correct for public safety.

**D. Measurement and Payment**

The contract price paid per ton for “**3/8” RHMA-G**” shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing RHMA, complete in place, including surface preparation, tack coat, temporary transition, JMF preparation, submission and verification testing costs, Contractor’s Quality Control Plan, and the costs of coring to verify core densities, if required, as shown on the plans, as specified in the Standard Specification and these special provisions, and as directed by the Engineer.

END OF SECTION 32 12 16

## SECTION 32 16 00

### CONCRETE CURBS AND SIDEWALKS

#### PART 1 - GENERAL

##### 1.1 SUMMARY

###### A. Section Includes:

1. Concrete work for:
  - a. Concrete curbs and gutters.
  - b. Concrete sidewalks.
  - c. Concrete ADA curb ramps.
  - d. Concrete Median.

###### B. Related Specification Sections:

1. Section 02 41 13 Selective Site Demolition
2. Section 32 11 23 Aggregate Base Courses
3. Section 32 17 26 Tactile Warning Surfacing

##### 1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

###### A. Remove and Replace Curb and Gutter:

1. Bid Item Description: **“Remove and Replace Curb & Gutter”**
2. Basis of Measurement: By the linear foot of installed curb and gutter.
3. Basis of Payment: shall include full compensation for furnishing all labor, materials, tools and equipment required to complete the work, including, but not limited to demolition and removal, hauling and disposal, layout of new work, furnishing, placement and removal of formwork, reinforcement if required, dowels, Portland cement concrete, furnishing and applying curing compound, landscape restoration, cleanup and other incidentals, as specified in the Standard Specifications, these Specifications and as directed by the Engineer.

###### B. Remove and Replace Concrete Sidewalk:

1. Bid Item Description: **“Remove and Replace Concrete Sidewalk”**
2. Basis of Measurement: By the square foot of installed sidewalk.
3. Basis of Payment: Shall include full compensation for furnishing all labor, materials, tools and equipment required to complete the work, including, but not limited to demolition and removal, hauling and disposal, layout of new work, furnishing, placement and removal of formwork, reinforcement if required, dowels, Portland cement concrete, furnishing and applying curing compound,

landscape restoration, cleanup and other incidentals, as specified in the Standard Specifications, these Specifications and as directed by the Engineer.

C. Remove Concrete and Construct Curb Ramp:

1. Bid Item Description: **“Remove Concrete and Construct Curb Ramp”**
2. Basis of Measurement: By the square foot of installed curb ramp.
3. Basis of Payment: Shall include full compensation for furnishing all labor, materials, tools and equipment required to complete the work, including, but not limited to demolition and removal, hauling and disposal, layout of new work, furnishing, placement and removal of formwork, reinforcement if required, dowels, Portland cement concrete, furnishing and installing tactile warning surfacing, concrete furnishing and applying curing compound, landscape restoration, cleanup and other incidentals, as specified in the Standard Specifications, these Specifications and as directed by the Engineer.

D. Existing Pavement Removal and Replacement:

Where new concrete is within the same alignment as existing concrete and adjacent to existing streets or parking lots or where shown on the plans, sawcutting the existing street pavement to allow for new concrete construction including but not limited to curb and gutter, access ramps, driveways, etc. is required to accommodate formwork. Contractor shall replace removed road material with new HMA. This work will be measured and paid for as **“HMA Dig-Out and Patch”** for payment as described in Specification Section 32 12 16 Hot Mix Asphalt Paving.

### 1.3 SUBMITTALS

A. Product Data:

1. Submit data on concrete materials, joint filler, admixtures, curing compounds.

B. Design Data:

1. Submit concrete mix design for each concrete strength. Submit separate mix designs when admixtures are required.

## PART 2 - PRODUCTS

### 2.1 TACTILE WARNING SURFACING

A. Description:

1. ADA-compliant tactile warning surfaces for visually impaired pedestrians.
2. Suitable for installation on concrete.

- B. Refer to Section 32 17 26 Tactile Warning Surfacing for requirements.

## 2.2 CONCRETE IMPROVEMENTS

- A. Form and Joint Materials:
  - 1. Form Materials: Wood or steel form material, profiled to suit conditions.
  - 2. Joint Filler: ASTM D1751; Asphalt impregnated fiberboard or felt, 3/8 inch thick suitable for concrete.
  - 3. .
- B. Reinforcement:
  - 1. Dowels: ASTM A615/A615M; Grade 60, cut to length indicated on Drawings or specified herein, square ends with burrs removed.
  - 2. Where steel reinforcement is called for, the reinforcement shall conform to the provisions in Section 52 of the Standard Specifications (2018) and shall be Grade 60.
  - 3. Welded wire reinforcement must the size shown and comply with ASTM A-185/A-185M or A-497/A-497M.
- C. Concrete Materials:
  - 1. Concrete Materials: Curbs, gutters, sidewalk, and driveway approaches shall conform to the provisions in Section 73, "Concrete Curb and Sidewalks" and Section 90-2, "Minor Concrete," of the 2018 Standard Specifications and this specification section.
  - 2. Concrete shall be "Minor Concrete" per Section 90-2.02 of the Standard Specifications except that it shall contain at least 540 pounds (6-sack) of Type IP (MS) "modified"; or a combination of Type II "Modified" and mineral admixture; or a Type V Portland cement and mineral admixture; with 1" maximum aggregate;
  - 3. Concrete mix shall contain 1 pound of lamp black or approved equal colorant per cubic yard.

## 2.3 FABRICATION

- A. Fabricate reinforcing in accordance with the 2018 Standard Specifications

## 2.4 ACCESSORIES

- A. Curing Compound: If the Contractor elects to use the curing compound method for curing the concrete for miscellaneous concrete construction, the curing compound shall meet the following:
  - 1. Clear or translucent type containing a fugitive dye conforming to the specifications of AASHTO Designation M 148, Type 1-D, except that the loss of

water in the water retention test shall not exceed 0.040 gram per square centimeter of surface.

2. The curing compound shall be applied at the approximate rate of 1 gallon per 150 square feet of area. The curing compound shall be applied in a manner that will provide a complete coating of all exposed faces of the concrete surface.
- B. All new concrete sidewalk, driveway approaches, and curbs require expansion joints and score marks in accordance with the UCS Standards and as modified Part 3 herein.
  - C. Joint Sealant: Where joint sealant is called for, caulking shall be used and must be a non-sag polysulfide or polyurethane type complying with ASTM C-920.
  - D. Storm Drain Frames and Grates: shall conform to Caltrans Type 24-12X. Salvage and reuse existing.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Verify gradients and elevations of the prepared aggregate base.

#### 3.2 PREPARATION

- A. Moisten substrate to minimize absorption of water from fresh concrete.
- B. Removed concrete shall be replaced within 7 calendar days after demolition.
- C. Existing improvements not limited to plantings, fences, irrigation, signs, that are in conflict with the proposed concrete installation shall be removed, replaced, or trimmed, where appropriate, by the Contractor, to accommodate the new improvements. Such work is considered incidental and will not be measured for payment as part of concrete work.
- D. Where subgrade or existing aggregate base is removed as a result of the Contractor's concrete demolition operations or root removal, the subgrade shall be replaced with Class 2 aggregate base or Portland cement concrete at no additional cost unless noted otherwise.

#### 3.3 REMOVAL OF EXISTING PAVEMENT

- A. Saw cutting and removal of existing asphalt concrete to allow for construction of new concrete adjacent to existing streets as well as the subsequent installation of new asphalt concrete is required for the new concrete improvements.

- B. Where new concrete is within the same alignment as existing concrete and adjacent to existing streets or parking lots or where shown on the plans, sawcut existing street pavement to allow for new concrete construction including but not limited to curb and gutter, access ramps, driveways etc. a distance of 2'-0" from proposed gutter lip extending to 3'-0" from gutter lip at wheel chair landing, and remove roadway material to accommodate formwork.
- C. The removal of existing asphalt concrete shall be performed in accordance with Section 02 41 13 Selective Site Demolition.

### 3.4 INSTALLATION

- A. Layout: The Contractor shall be required to use whatever grade-setting methods that are necessary, such as grades surveyed by instrument, to achieve results as shown on the plans and to maintain drainage.
- B. Forms:
  - 1. Place and secure forms to correct location, dimension, and profile.
  - 2. Place joint filler in joints, vertical in position, in straight lines. Secure to formwork.
  - 3. Place expansion joints at 20 foot or as indicated on Drawings. Align joints.
  - 4. Place joint filler between paving components and other appurtenances.
  - 5. No concrete shall be placed until formwork is checked by the Engineer.
  - 6. Set forms at the full depth of the back and face of curbs. Leave forms in place for a minimum of 12 hours after surface finishing.
- C. Reinforcement:
  - 1. Place reinforcing at locations shown.
  - 2. Interrupt reinforcing at expansion joints.
  - 3. New sidewalk, curb and gutter, driveways must be doweled into existing concrete using #4 rebar cut to 6" lengths. Use two (each end) per sidewalk panel and one (each end) per curb.
  - 4. Adjusting existing storm drain aprons: splice new reinforcement 6-inches at existing reinforcement. If no existing reinforcement is present, dowel new concrete into existing using #4 bar every 6-inches. Embed dowels 6-inches into existing concrete.
- D. Placing Concrete:
  - 1. Do not disturb reinforcing or formwork components during concrete placement.
  - 2. Set and position salvaged frames for storm drain inlets prior to concrete placement. Frame anchors to be fully embedded.
  - 3. Place concrete continuously between predetermined joints.
  - 4. Do not add water to the concrete in excess of that in the authorized mix design. At the delivery point, water may be added that was withheld during batching if allowed by the Engineer.

5. Concrete is to be completely discharged within 1.5 hours or before 250 revolutions of the drum, whichever comes first.
6. If an admixture is used to retard the set time, concrete temperature must not exceed 85 degrees F, time limit in the drum is 2 hours with a revolution limit of 300.
7. Concrete will be rejected if the slump varies from the specified slump value by 2 inches or more.
8. Concrete temperature must not exceed 85 degrees.

E. Jointing:

1. Control Joints: Control joints shall be tooled every 4 feet and the score depth shall be 1/2" minimum.
2. Expansion Joints: Install transverse expansion joints at maximum 20-foot intervals or at locations shown. Transverse expansion joints shall extend through the sidewalk and adjoining curb and gutter.

F. Finishing and Curing:

1. Surfaces: Light broom, radiused and trowel joint edges.
2. New concrete shall be cured in accordance with Section 90-1.03B "Curing Concrete" of the 2018 Standard Specifications.
3. Contractor is responsible to protect newly placed concrete from damage (such as ground-in graffiti) and to ensure proper curing.

### 3.5 TOLERANCES

- A. Maximum Variation of Surface Flatness: 1/4 inch in 10 ft.
- B. Maximum Variation From True Position: 1/2 inch.
- C. The Contractor shall bring to the attention of the Engineer any proposed concrete work that will result in grades flatter than 0.5%, which does not meet project specifications, or which may lead to poor drainage prior to concrete placement.
- D. The Contractor shall be fully responsible for removal and replacement of any concrete work that results in water ponding or impedes drainage.

### 3.6 FIELD QUALITY CONTROL

- A. Field testing will be performed by the City's Testing firm as directed by the Engineer.
- B. No concrete shall be placed until formwork is checked by the Engineer. Set forms at the full depth of the back and face of curbs. Leave forms in place for sidewalk, gutter depression, island paving, curb ramp and driveway for a minimum of 12 hours after surface finishing.

END OF SECTION 32 16 00

SECTION 32 17 23

PAVEMENT MARKINGS AND STRIPINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Traffic lines, markings and retroreflective markers.
  2. Green bike lanes.

1.1 UNIT PRICE - MEASUREMENT AND PAYMENT

A. Traffic Striping and Marking:

1. Bid Item Description:

- “Thermoplastic Pavement Stripe – Detail 9”
- “Thermoplastic Pavement Stripe – Detail 10”
- “Thermoplastic Pavement Stripe – Detail 22”
- “Thermoplastic Pavement Stripe – Detail 25A”
- “Thermoplastic Pavement Stripe – Detail 26”
- “Thermoplastic Pavement Stripe – Detail 27B”
- “Thermoplastic Pavement Stripe – Detail 29”
- “Thermoplastic Pavement Stripe – Detail 31”
- “Thermoplastic Pavement Stripe – Detail 32”
- “Thermoplastic Pavement Stripe – Detail 36”
- “Thermoplastic Pavement Stripe – Detail 37B”
- “Thermoplastic Pavement Stripe – Detail 38”
- “Thermoplastic Pavement Stripe – Detail 38A”
- “Thermoplastic Pavement Stripe – Detail 38B”
- “Thermoplastic Pavement Stripe – Detail 39”
- “Thermoplastic Pavement Stripe – Detail 39A”

2. Basis of Measurement: By the linear foot of installed traffic line thermoplastic striping (LF)
3. Basis of Payment: Includes furnishing, installing per appropriate Caltrans standard detail, inspecting and maintaining pavement markings, retroreflective markers where used, until Notice of Completion, and related maintenance and protection of traffic.

B. Traffic Markings:

1. Bid Item Description:

- “Thermoplastic Pavement Markings - White”
- “Pavement Markings Green Bike Lane”

2. Basis of Measurement: By the square foot of installed thermoplastic or green coloring pavement marking (SF).
3. Basis of Payment: Includes furnishing, installing, inspecting and maintaining pavement markings until Notice of Completion, and related maintenance and protection of traffic. Pedestrian crosswalks, green bike lane coloring, words and limit lines shall be considered as pavement markings for payment.

C. Retro-reflective Markers:

1. Bid Item Description: **“Blue Reflective Pavement Markers”**
2. Basis of Measurement: By each (EA).
3. Basis of Payment: Includes furnishing, installing, inspecting and maintaining blue reflective pavement markers until Notice of Completion, and related maintenance and protection of traffic.

1.2 SUBMITTALS

- A. Manufacturer's Certificate: Products meet or exceed Caltrans requirements.

1.3 AMBIENT CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside temperature ranges required by paint product manufacturer.
- B. Do not apply exterior coatings during rain or when relative humidity is outside humidity ranges, or moisture content of surfaces exceed those required by paint product manufacturer.

PART 2 - PRODUCTS

2.1 PAINTED PAVEMENT MARKINGS

- A. Furnish materials according to Section 84-2 of the Caltrans standards.
- B. Blue pavement and curb markings shall be applied in one-coat in accordance with Section 84-2.02C of the 2018 Standard Specifications.

2.2 GREEN BIKE LANES

- A. Green bike lane coloring product shall be an epoxy modified, acrylic, waterborne coating specifically designed for application on asphalt pavements, Ride-A-Way by Ennis-Flint or approved equal.
- B. The approved color pigmented resin shall comply with FHWA green color guidelines for bike lanes. A sample of the material that shows the color when dry (not a color chip)

must be provided to the City for review and written approval at least seven (7) calendar days prior to ordering materials or installing any green markings.

- C. Anti-skid aggregates shall be provided by the pavement marking supplier. Aggregate shall have a minimum Hardness of 7.0 per Mohs Scale.

### 2.3 RETRO-REFLECTIVE PAVEMENT MARKERS

- A. 2-way blue retro-reflective markers
- B. Epoxy adhesives

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Do not apply paint to concrete surfaces until concrete has cured for 7 days.

### 3.2 PREPARATION

- A. Pavement striping and markings shall not be placed on new asphalt concrete surfacing or pavement treatments until the roadway has been opened to public traffic for a period of not less than 5 days.
- B. Maintenance and Protection of Traffic:
  - 1. Prevent interference with marking operations and to prevent traffic on newly applied markings before markings dry.
  - 2. Refer to Section 01 55 26 Temporary Traffic Control for requirements.
- C. Surface Preparation.
  - 1. Clean and dry paved surface prior to application.
  - 2. Use mechanical wire brushing to remove dirt, contaminants, and loose material from the pavement surface that is to receive the traffic stripe or pavement marking.
  - 3. Spot location of final pavement markings as specified and as indicated by applying pavement spots 25 feet (8.0 m) o.c.

### 3.3 PAVEMENT MARKERS INSTALLATION

- A. Reflectorized markers shall be installed accurately at the location specifies and in the position specified on the detail drawing.
- B. Adhesive shall be placed uniformly on the pavement surface or on the bottom of the marker in a quantity sufficient to result in complete coverage of the area of contact of

the marker with no voids present and with slight excess after the marker has been pressed in place. The marker shall be placed in position and pressure applied until firm contact is made with the pavement. When hot melt bituminous adhesive is used, the markers shall be placed immediately after application of the adhesive. Excess adhesive around the edge of the marker, excess adhesive on the pavement, and adhesive on the exposed surfaces of the markers shall be immediately removed.

- C. Replacements of blue reflective pavement markers for fire hydrants shall be installed at the existing locations as monumented by contractor prior to removal. It is the Contractor's responsibility to locate each fire hydrant. At cul-de-sacs and where a fire hydrant is the last one before the end of a street, Contractor shall install two blue markers side by side 2 to 2-1/2 inches apart. Blue reflective pavement markers shall be placed 6 inches from the centerline stripe, or approximate center of the pavement where there is no centerline stripe, on the side nearest the fire hydrant.

### 3.4 APPLICATION

- A. Striping and Markings shall be in accordance with Sections 84 – Markings, of the 2018 Standard Specifications.
- B. All white and yellow pavement markings and bike lane striping shall be thermoplastic.
- C. Thermoplastic material for traffic stripes shall be applied to a minimum thickness of 0.08 inch.
- D. Pavement striping and markings shall not be placed on new asphalt concrete surfacing or pavement treatments until the roadway has been opened to public traffic for a period of not less than 5 days.
- E. Install Work according to Section 84 of the Caltrans standards.

### 3.5 BIKE LANES

- A. The asphalt pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials and chemical residue.
- B. Contractor shall follow manufacturer's guidelines regarding atmospheric conditions. Coating application shall not proceed if precipitation is forecast for the immediate 24 hours after the intended date of application.
- C. Application of coating product shall be performed using all equipment and processes specified by the manufacturer.
- D. Green coloring shall be applied to the asphalt after installing white stripes and pavement markings.
  - 1. White stripes (Detail 39/39A) adjacent to green coloring shall be masked prior to installation of green coloring.

2. Green coloring shall not be applied over or under bike lane markings (symbol or legend and arrow).
3. Locations shown on the plans where white markings appear on green coloring shall be adjusted so that there are no white markings on green coloring.

### 3.6 TOLERANCES

- A. A completed marking must:
  1. Have clean, well-defined edges without running or deformation.
  2. Be uniform.
  3. Be straight on a tangent alignment and on a true arc on a curved alignment
- B. A completed pavement marking must comply with the dimensions shown and have well-defined edges without running or deformation.
- C. A completed thermoplastic pavement marking must be free of runs, bubbles, craters, drag marks, stretch marks, and debris.

### 3.7 PROTECTION

- A. Protect existing retro-reflective pavement markers during work activities.
- B. Remove any existing pavement marker that is coated or damaged by work activities and replace it with an equivalent marker on the Authorized Material List for signing and delineation materials.
- C. Protect newly placed pavement markings from traffic and other deleterious activities until the paint is thoroughly dry or the thermoplastic is hard enough to bear traffic.

END OF SECTION 32 17 23

## SECTION 32 17 26

### TACTILE WARNING SURFACING

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes: Tactile warning surfacing and accessories.
- B. Related Specification Sections:
  - 1. 01 55 26 Temporary Traffic Control
  - 2. 32 16 00 Concrete Curbs and Sidewalks

##### 1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Traffic Warning Surfacing:
  - 1. Basis Full compensation for the furnishing and installation of tactile warning surfacing shall be considered as included in the various contract prices paid for the items of concrete work and no additional compensation will be allowed therefore.

##### 1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's information including characteristics, dimensions, domes, and special shapes.
- B. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- C. Manufacturer's Instructions: Submit detailed instructions on installation requirements, including storage and handling procedures.
- D. Manufacturer Reports:
  - 1. Certify that equipment has been installed according to manufacturer's instructions.
  - 2. Indicate activities on Site, adverse findings, and recommendations.
- E. Qualifications Statements:
  - 1. Submit qualifications for manufacturer and installer.
  - 2. Submit manufacturer's approval of installer.

#### 1.4 QUALITY CONTROL

- A. Perform Work according to Caltrans standards.
- B. Manufacturer: Contractor shall provide the cast-in-place tactile tiles and accessories supplied by one manufacturer.
- C. Installers: Contractor shall use experienced installers certified by the tactile tile manufacturer.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store and protect materials according to manufacturer's instructions.

#### 1.6 WARRANTY

- A. Contractor shall provide a written guarantee for the tactile tile installation for a period of five years from the date of Notice of Completion.
- B. The guarantee shall include coverage for defective workmanship and materials, breakage, deformations and loosening of tiles

### PART 2 - PRODUCTS

#### 2.1 TACTILE WARNING SURFACING

- A. Prefabricated warning surface tiles shall either be:
  - 1. "Armor-Tile" as manufactured by Engineered Plastics, Inc.,
  - 2. "Detectable Warning Systems" as manufactured by Detectable Warning Systems, Inc.
  - 3. Or approved equal.
- B. Cast-in-Place-Type:
  - 1. Truncated domes shall be cast-in-place prefabricated tactile/detectable warning surface tiles.
  - 2. Tile color shall be yellow, conforming to Federal Color No. 33538, and shall be homogeneous throughout the tile.
  - 3. Truncated dome materials and installation shall meet or exceed Federal requirements for the Americans with Disabilities Act Accessibility Guidelines. Submit samples and product literature for approval.

## 2.2 SOURCE QUALITY CONTROL

- A. Provide shop inspection and testing of tactile warning surfacing units.
- B. Certificate of Compliance: When fabricator is approved by Caltrans, submit certificate of compliance indicating Work performed at fabricator's facility conforms to Contract Documents.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that substrate is level or to correct grade, is smooth, is capable of supporting tactile warning surface units and imposed loads, and is otherwise ready to receive Work of this Section.

### 3.2 PREPARATION

- A. Maintenance and Protection of Traffic:
  - 1. Provide short-term traffic control as specified in Section 01 55 26 - Temporary Traffic Control.
  - 2. Prevent interference with operations.
  - 3. Maintain access to existing businesses and other properties requiring access.
- B. Surface Preparation:
  - 1. Blow or sweep surface free of dirt, debris, oil, grease, or gasoline.
- C. Existing Work:
  - 1. Remove existing tactile warning surface modules by methods that will cause least damage to pavement surface.
  - 2. Repair pavement or surface damage caused by removal operations.

### 3.3 INSTALLATION

- A. Install tactile warning surfacing according to manufacturer's instructions.
- B. Installation Standards: Install Work according to Caltrans standards.
- C. Contractor shall take extra care so as not to break any tile when cutting. In the event of breakage, Contractor shall replace broken tiles with the same materials as specified at no additional cost to the City.

- D. Each installation shall be completed with one tile only, sized to meet the detectable warning surface dimensions for that installation.

#### 3.4 CLEANING

- A. Clean tactile warning surfacing according to manufacturer's instructions.

#### 3.5 PROTECTION

- A. Protect tactile warning surfacing from vehicular and pedestrian traffic on newly installed tactile warning surface modules for period of time as instructed by manufacturer.

END OF SECTION 32 17 26

SECTION 33 05 13.13

MANHOLE GRADE ADJUSTMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Raising manhole and cleanout frames and covers.
2. Replacing manhole and cleanout frames and covers.

1.2 UNIT PRICES

A. Raising Manhole Frames and Covers:

1. Bid Item Description: **“Adjust Existing Sewer Manhole to Grade”**
2. Basis of Measurement: By each.
3. Basis of Payment: The price paid for each adjusted manhole shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for completing all work involved, complete in place, as shown on the plans and as specified in these Specifications and as directed by the Engineer.
4. Bid Item Description: **“Adjust Existing Storm Drain Manhole to Grade”**
5. Basis of Measurement: By each.
6. Basis of Payment: The price paid for each adjusted manhole shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for completing all work involved, complete in place, as shown on the plans and as specified in these Specifications and as directed by the Engineer.

B. Raising Valve Frames and Covers:

1. Bid Item Description: **“Adjust Existing PG&E Gas Valve Cover to Grade”**
2. Basis of Measurement: By each.
3. Basis of Payment: The price paid for each adjusted valve cover shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for completing all work involved, complete in place, as shown on the plans and as specified in these Specifications and as directed by the Engineer.
4. Bid Item Description: **“Adjust Existing TC Cover to Grade”**
5. Basis of Measurement: By each.
6. Basis of Payment: The price paid for each adjusted TC cover shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals,

and for completing all work involved, complete in place, as shown on the plans and as specified in these Specifications and as directed by the Engineer.

7. Bid Item Description: “**Adjust Existing Monument Cover to Grade**”
8. Basis of Measurement: By each.
9. Basis of Payment: The price paid for each adjusted monument cover shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for completing all work involved, complete in place, as shown on the plans and as specified in these Specifications and as directed by the Engineer.

### 1.3 EXISTING CONDITIONS

- A. Existing sanitary sewer manholes and cleanouts, where shown on the plans shall be adjusted to grade as shown on the plans and in accordance with the provisions in Section 15, “Existing Highway Facilities,” and these Special Provisions.
- B. A “No Fee” permit shall be obtained from the Novato Sanitary District (NSD) before commencing work on Sanitary District facilities.

## PART 2 - PRODUCTS

### 2.1 MANHOLE FRAMES AND COVERS

- A. Existing frame and cover shall be reused whenever possible. The NSD will supply new castings in the event either or both the frame and cover are not reusable. The frames shall be removed from the existing cone and adjusted to grade in conjunction with new concrete work.
- B. Metal castings when not reused, such as frames and covers and other metal appurtenances, unless otherwise specified, shall be delivered to the NSD Corporation Yard at 500 Davidson Street in Novato.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify and locate manholes requiring grade adjustment.
- B. Adjustment of manholes shall take place after final paving lift.

### 3.2 PREPARATION

- A. Before any work is started on adjusting a manhole, the channels in the base shall be covered with plywood or a similar material and then the entire base covered with a heavy piece of canvas temporary debris cover.
  - 1. This temporary debris cover shall be kept in place during all work and, upon completion, picked up containing all debris.
  - 2. The canvas and the plywood shall be carefully removed from the manhole allowing no debris to fall or to remain in the manhole.
- B. No more than one lane of traffic will have manholes under construction at any one time.

### 3.3 INSTALLATION

- A. The frames shall be removed from the existing cone and adjusted to grade after finish paving is complete and shall be per NSD Standard Drawing SD2 and as modified herein.
- B. The Contractor shall remove any and all rings used to raise manholes on previous resurfacing projects.
- C. Raising Manhole Frames and Covers:
  - 1. Locate and raise manholes to grade as indicated.
  - 2. A concrete collar shall be placed so as to fill the space between the new construction and the original opening to within 1 inch of the finished grade.
  - 3. The remaining 1 inch shall be filled and compacted with HMA surface course in accordance with Section 32 12 16 Hot Mix Asphalt Paving.
  - 4. Reinstall removed manhole frame and cover.
- D. Survey monuments shall conform to the provisions in Section 78-2, "Survey Monuments", of the Standard Specifications. Monument covers shall be adjusted to grade as shown on the plans. Monument ring and cover shall be reset/replaced as required per UCS Dwg. No 300.

END OF SECTION 33 05 13.13

## SECTION 34 71 13

### TRAFFIC SIGNS

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Install new traffic signs.
  - 2. Relocating existing traffic signs

##### 1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Install new traffic sign and post:
  - 1. Bid Item Descriptions: **“Install New Traffic Sign and New Post”**.
  - 2. Basis of Measurement: each (EA).
  - 3. Basis of Payment: shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in roadside signs, complete in place, including posts, panels and connectors, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer.

#### PART 2 - PRODUCTS

##### 2.1 MATERIALS

- A. Posts: All post bases, posts and mounts shall be as shown on Plans or Standard Drawings.

##### 2.2 ACCESSORIES

- A. Concrete: Type specified in Section 32 16 00.
- B. Hardware: Steel, bolts, nuts and washers to suit.

##### 2.3 FINISHES

- A. Galvanizing for Nuts, Bolts and Washers: ASTM A153/A153M, 2.0 oz / sq ft coating.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify location of underground utilities and adjust location of posts to avoid damaging utilities.
- B. Temporary replacement signs, in a manner acceptable to the Engineer shall be in place prior to removal/relocation of any existing signs, and shall be maintained until such a time as the permanent/relocated sign is installed to the Engineer's satisfaction.

### 3.2 INSTALLATION

- A. Traffic Signs
  - 1. Install posts as per detail drawing and per the UCS.
  - 2. Bottom of sign shall be minimum 7' above grade
  - 3. Engineer to locate in field prior to Contractor installation

END OF SECTION 34 71 13

REVISED NOVEMBER 2015

MARIN COUNTY  
STORMWATER POLLUTION PREVENTION PROGRAM

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# Construction Erosion and Sediment Control Plan Applicant Package





# **MCSTOPPP Construction Erosion and Sediment Control Plan Applicant Package**

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# Erosion and Sediment Control Plan

## Applicant Guidance

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For **projects that will include soil disturbance during construction**, applicants must submit an Erosion and Sediment Control Plan (ESCP) for approval by the municipality prior to the issuance of certain permits, including all Grading Permit, most Building Permits, and other permits at the discretion of the municipality.

The purpose of the ESCP is to:

1. Identify potential pollutant sources that may affect the quality of stormwater runoff discharges from the construction site.
2. Document the Best Management Practices (BMPs) that will be implemented and placed in order to prevent, to the maximum extent practicable, construction site pollutants from leaving the site and entering the storm drain system during all phases of construction.
3. Document erosion control, sediment control, and good housekeeping BMPs that must be implemented year round as appropriate based on construction activities.

The ESCP may require modification as the project progresses and as conditions warrant. All modifications to the approved ESCP must be submitted to the municipality for review and approval.

The attached template should be used by applicants to develop the ESCP. The following checklist provides guidance to help complete the ESCP. If a project disturbs one acre or more of soil, it is subject to the State's Construction General Permit<sup>1</sup> (CGP). In this circumstance, the Stormwater Pollution Prevention Plan (SWPPP) developed pursuant to the CGP may substitute for the ESCP.

Applicants should not complete or write in the Official Use Only sections of the template. Pages 1 and 2 provide space for the agency staff to document complete tracking information and to document comments on the ESCP.

### Section 1 Project Information

A	Project Name	Applicant's name for the project.
B	Tract Number	Property tract number.
C	Assessor's Parcel Number	Assessor's parcel number (APN).
D	Location (address as assigned by Planning Department)	Describe the location such that field staff can find the project site. Generally the project address, but in cases where an address has not been assigned milepost markers, cross streets, or latitude and longitude can be used.

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<sup>1</sup> Water Quality Order 2009-009-DWQ, as amended.

E	Name and distance to nearest waterbody	<p>Identify the name of the nearest creek, canal, pond, bay, or other waterbody as well as the approximate distance from the project site. Consult watershed maps available at <a href="http://www.marinwatersheds.org">www.marinwatersheds.org</a>. These maps may not include small, seasonal drainages that are considered creeks by regulatory agencies. It is acceptable to show unnamed waterbodies on the plans. See: <a href="http://www.marinwatersheds.org/watershed_explorer.html">http://www.marinwatersheds.org/watershed_explorer.html</a>.</p> <p>Additionally identify whether the waterbody is considered impaired by a sediment related pollutant, e.g., turbidity, sediment, suspended solids, or settleable solids. Three waterbodies in Marin County are listed as impaired for a sediment related pollutant as of May 2014: Walker Creek, Tomales Bay, and Lagunitas Creek. The State updates this information periodically. Revised information can be found at: <a href="http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/303dlist.shtml">http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/303dlist.shtml</a> and <a href="http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/">http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/</a>.</p>
F	Area of Disturbance (in acres or square feet)	<p>The total area that will be subject to soil disturbing activities. Soil disturbing activities include, but are not limited to, clearing, grading, paving, disturbances to ground such as stockpiling, and excavation. Note if the total area of disturbance is one acre (43,560 square feet) or more, the project is subject to the State's CGP.</p>
G	Total Project Size (in acres or square feet)	<p>This is the total size of the project, typically the size of the parcel(s). The total size of the project can exceed the total area of disturbance.</p>
H	Planned Project Start Date	<p>The date when construction activity will commence. If the date changes notify the agency. In some cases date changes may require updates to the ESCP, e.g., change of project from summer to winter construction.</p>
I	Planned Grading Completion Date	<p>The grading and/or ground disturbing operations will be completed. This date may be the same as the project completion date, but grading is frequently completed before structure interiors are completed. If the date changes notify the agency. In some cases date changes may require the applicant to update the ESCP, e.g., change of project from summer to winter grading.</p>
J	Planned Project Completion Date	<p>The date when the project will be completed. Project completion means all disturbed soils have been stabilized, all construction activities are complete, and all construction materials and wastes have been removed from the site. If the date changes notify the agency. In some cases date changes may require the applicant to update the ESCP, e.g., change of project from summer to winter construction.</p>
K	Project Description and Purpose	<p>Narrative description of the project: should include the nature of the construction activities and why the project is being undertaken, and the project phase. If requested provide photographs of the project to document the pre-project condition.</p>

## Section 2 Applicant Information

A	Project Owner (Name, Address, Phone)	Contact information for the land owner.
B	Contractor (Name, Address, Phone, 24/7 Contact Number)	Contact information for the person or company performing the work. In cases where the land owner is performing the work, list the land owner. Provide a 24/7 number in case of off-hours emergencies.
C	Applicant Certification	If required by the municipality, complete the Certification Statement. Confirm with the municipality whether the contractor or the owner must sign the statement.

## Section 3 Identify Other Required Permits

Identify whether other permits that affect water courses or water quality are required. Applicants must provide proof the necessary permits have been applied for and obtained. Grading or Building Permits will not be issued until proof is submitted that these other permits have been obtained.

A	Construction General Permit (CGP)	Issued by the State Water Resources Control Board for construction activities that disturb one acre or more of land and in some cases for smaller projects that are part of a common plan of development. For more information see: <a href="http://www.swrcb.ca.gov/water_issues/programs/stormwater/construction.shtml">http://www.swrcb.ca.gov/water_issues/programs/stormwater/construction.shtml</a>
B	Section 404 Permit	Issued by the U.S. Army Corps of Engineers, San Francisco District for projects affecting waters of the U.S., including wetlands. For more information see: <a href="http://www.spn.usace.army.mil/Missions/Regulatory/RegulatoryOverview.aspx">http://www.spn.usace.army.mil/Missions/Regulatory/RegulatoryOverview.aspx</a>
C	Section 401 Water Quality Certification	In most cases this is a companion permit issued by the San Francisco Bay Regional Water Quality Control Board whenever the U.S. Army Corps of Engineers issues a Section 404 Permit to ensure state water quality standards are protected. Occasionally, the San Francisco Bay Regional Water Quality Control Board will issue Waste Discharge Requirements in lieu of a Section 401 Certification. For more information see: <a href="http://www.waterboards.ca.gov/water_issues/programs/cwa401/">http://www.waterboards.ca.gov/water_issues/programs/cwa401/</a>
D	Streambed/Lake Alteration Agreement (1600 Agreements)	The California Department of Fish and Wildlife issues Streambed Alteration Agreements for projects that will affect a stream or lake. In general, an agreement will be required for any work that will obstruct or divert the natural flow of a river, stream, or lake; change or use any material from the bed, channel, or bank of a river, stream, or lake; or deposit or dispose of debris, waste where it can pass into a river, stream, or lake. For more information see: <a href="http://www.dfg.ca.gov/habcon/1600/">http://www.dfg.ca.gov/habcon/1600/</a>

E	Local Water Course Protection Permits	Any local permits required for the protection of creeks and water courses should be included, such as the permits required pursuant to Marin County Code Section 11.08, Watercourse Diversion or Obstruction.
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#### Section 4 Site Plan and BMP Implementation Schedule

A	Site Plan	List the plan sheet(s) that show the project site and scope of construction activity. Site plan sheets need to conform to agency requirements (e.g., size, scale) for site plan submitted for Grading and Building Permits. The site plan and project description in the Project Description section of the ESCP need to agree.
B	BMP Locations	List the plan sheet(s) that show the locations of proposed construction activity BMPs. Some BMPs may be included as notes on the site plan. In addition to BMPs, show required local creek setbacks and preserved existing vegetation on the site plan.
C	BMP Implementation Schedule	Identify schedule for BMP implementation with the commencement of the construction activities and that BMPs will be implemented year round, as appropriate, until the project is complete. Include final site stabilization in the schedule

#### Section 5 BMP Information

At minimum the ESCP must include the applicable MCSTOPPP minimum erosion control, sediment control, and good housekeeping BMPs listed below. The ESCP must provide a rationale for the selected BMPs including, if needed, soil loss calculations.

Minimum BMPs are further described in the MCSTOPPP Minimum Control Measures for Small Construction Projects factsheet available for download:

<http://www.marincounty.org/depts/pw/divisions/mcstoppp>.

Applicants may need to consider BMPs beyond the minimum control measures if warranted by site conditions and planned construction activities. If dewatering will occur applicants need to follow the MSCTOPPP Trench Dewatering BMPs available for download:

[http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6\\_09.pdf](http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf).

Projects subject to other permits (e.g., CGP, Section 404 Permit) must address the minimum MCSTOPPP control measures as well as the BMPs required by the other permit(s).

	<b>BMP</b>	<b>General Description<sup>2</sup></b>
	<b>Erosion Control BMPs</b>	
A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed.  CASQA: EC-1; or Caltrans: SS-1.
B	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning and Public Works Departments for specific creek set back requirements.  CASQA: EC-2; or Caltrans: SS-2.
C	Soil Cover	Cover all exposed soil with straw mulch and tackifier (or equivalent).  CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, and EC-16. Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.
D	Soil Preparation/ Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.).  CASQA: EC-15.
E	Erosion Control Blankets	Install erosion control blankets (or equivalent) on any disturbed site with 3:1 slopes or steeper, keyed into the ground at least 3 inches. Use wildlife-friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: <a href="http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf">http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</a> .  CASQA: EC-7. Caltrans: SS-7.
F	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical.  CASQA: EC-4. Caltrans: SS-4.

<sup>2</sup> More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the *California Best Management Practices Handbook Portal: Construction* at <http://www.casqa.org>. Caltrans factsheets are available in the Construction Site BMP Manual March 2003 at <http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm>.

	<b>BMP</b>	<b>General Description<sup>2</sup></b>
<b>Sediment Control BMPs</b>		
G	Tracking Controls	<p>Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu of or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective.</p> <p>CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.</p>
H	Fiber Rolls	<p>Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into small trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: <a href="http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf">http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</a>. Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls.</p> <p>CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2).</p>
I	Silt Fence	<p>Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment control can be used in lieu of silt fences.</p> <p>CASQA: SE-1; SE-12; or Caltrans: SC-1.</p>
J	Drain Inlet Protection	<p>Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection.</p> <p>CASQA: SE-10; or. Caltrans: SC-10.</p>
K	Trench Dewatering	<p>Follow MCSTOPPP BMPs for trench dewatering.</p> <p><a href="http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~/_media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf">http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~/_media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf</a>.</p> <p>CASQA: NS-2. Caltrans: NS-2.</p>

	<b>BMP</b>	<b>General Description<sup>2</sup></b>
	<b>Good Housekeeping BMPs</b>	
L	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. CASQA: WM-8. Caltrans: WM-8.
M	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. CASQA: WM-3. Caltrans: WM-3.
N	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment, do not place containers directly on soil. CASQA: WM-6. Caltrans: WM-6.
O	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most vendors provide these). CASQA: WM-9. Caltrans: WM-9.
P	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediately clean up any spills or drips. CASQA: NS-8, NS-9, and NS-10. Caltrans: NS-8, NS-9, and NS-10.
Q	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site litter daily. CASQA: WM-5; or Caltrans: WM-5.
R	Other	Identify any additional BMPs that will be implemented for the project.



# **MCSTOPPP ESCP Standard Template**

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# Erosion and Sediment Control Plan

## 1. Project Information

Official Use Only			Applicant Complete this Section	
Yes	No	Comments		
A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project Name:
B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tract Number
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Assessor's Parcel Number
D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location
E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Name and Distance to Nearest Waterbody</a>
F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Area of Disturbance acres or square feet
G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Total Project Size (acres or square feet)
H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned Start Date
I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned Grading Completion Date
J	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned Completion Date
K	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project Description and Purpose

*Continued on next page*

## Erosion and Sediment Control Plan

### 2. Applicant Information

Official Use Only			Applicant Complete this Section	
Yes	No	Comments		
A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<b>Project Owner</b>	
			Name:	
			Address:	
			Phone:	
B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<b>Contractor</b>	
			Name:	
			Address:	
			Phone: (24/7 Number)	
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Applicant Certification
				<p>I certify that the information provided in the Erosion and Sediment Control Plan is, to the best of my knowledge and belief, true, accurate, and complete and that it will be implemented throughout the project. I further certify that I will notify the _____ and submit revised information if any of the information or conditions documented in this Erosion and Sediment Control Plan change. I understand there are significant penalties for submitting false information or for not implement the Erosion and Sediment Control Plan per _____. I will retain a copy of the Erosion and Sediment Control Plan at the project site.</p> <p>Signature: _____</p> <p>Print/Type Name: _____</p> <p>Title: _____</p> <p>Date: _____</p>

*Continued on next page*

## Erosion and Sediment Control Plan

### 3. Identify Other Permits Required

Identify whether other permits that affect water courses or water quality are required. Attach proof the necessary permits have been applied for and obtained. Grading/Building permits will not be issued until proof is submitted that these other permits have been obtained.

Official Use Only			Applicant Complete this Section		
Yes	No	Comments	Permit/Agreement	Attached	
A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Construction General Permit (CGP)</b> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Applicable	<input type="checkbox"/> Proof of submission <input type="checkbox"/> Proof permit was obtained
B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Section 404 Permit</b> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Applicable	<input type="checkbox"/> Proof of submission <input type="checkbox"/> Proof permit was obtained
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Section 401 Certification</b> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Applicable	<input type="checkbox"/> Proof of submission <input type="checkbox"/> Proof permit was obtained
D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Streambed/Lake Alteration Agreement (1600 Agreements)</b> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Applicable	<input type="checkbox"/> Proof of submission <input type="checkbox"/> Proof permit was obtained
E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Other: (Identify)</b> List any specific permits required by the local, state, federal, or regional agencies  _____ _____ _____ _____	<input type="checkbox"/> Proof of submission <input type="checkbox"/> Proof permit was obtained

*Continued on next page*

## Erosion and Sediment Control Plan

### 4. Site Plan and BMP Implementation Schedule

Attach a site plan(s) showing the locations and types of BMPs proposed. Provide an implementation schedule identifying the timing of temporary BMP installation and removal, as well as final BMP installation and final site stabilization. The schedule may be shown on the site plan(s) or as a separate document.

Official Use Only			Applicant Complete this Section		
	Yes	No	Comments		
A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site Plan	List relevant plan sheets depicting site plan: the project site and scope of construction.
B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BMP Locations	List relevant plan sheets depicting locations of proposed BMPs should be depicted. Some BMPs may be included as notes on the site plan. In addition to BMPs, show required local creek setbacks and preserved existing vegetation on the site plan.
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BMP Implementation Schedule:	Identify schedule for BMP implementation with the commencement of the construction activities and that BMPs will be implemented year round, as appropriate, until the project is complete. Include final site stabilization in the schedule.

*Continued on next page*

## Erosion and Sediment Control Plan

### 5. BMP Information

Identify the BMPs that will be implemented for the project. At minimum the ESCP must include the MCSTOPPP minimum erosion control, sediment control, and good housekeeping BMPs must be implemented. Provide a rationale for the selected BMPs, including if needed, soil loss calculations. Use the rationale to demonstrate that the selected control measures are appropriate site specific BMPs.

Official Use Only			Applicant Complete this Section	
Yes	No	Comments	BMP	Rationale
			<b>Erosion Control BMPs</b>	
A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Scheduling</b> <i>(Schedule and plan activities to minimize exposed soil and avoid rainy weather.)</i>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Preserve Existing Vegetation and Creek Setbacks</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Soil Cover</b> <i>(Required, at a minimum, for graded or disturbed areas that are inactive for more than 14 days.)</i>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable

*Continued on next page*

### Erosion and Sediment Control Plan

Official Use Only			Applicant Complete this Section	
Yes	No	Comments	BMP	Rationale
D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Soil Preparation/ Roughening</b> <i>(Required on graded slopes prior to installation of other BMPs as well as for final slope stabilization.)</i>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Erosion Control Blankets</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Revegetation</b> <i>(This is a temporary and/or permanent BMP that can include hydroseeding and final landscape plantings.)</i>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
<b>Sediment Control BMPs</b>				
G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Stabilized Site Entrance</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable

*Continued on next page*

Erosion and Sediment Control Plan

Official Use Only			Applicant Complete this Section	
Yes	No	Comments	BMP	Rationale
H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fiber Rolls</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Silt Fence</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
J	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Drain Inlet Protection</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
K	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Trench Dewatering</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable

Continued on next page

### Erosion and Sediment Control Plan

Official Use Only			Applicant Complete this Section	
Yes	No	Comments	BMP	Rationale
<b>Good Housekeeping BMPs</b>				
L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Concrete Washout</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
M	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Stockpile Management</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Hazardous Material Management</b>  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
O	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Sanitary Waste Management</b> (Placement of portable bathrooms and method of preventing spills.)  <input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable

*Continued on next page*

Erosion and Sediment Control Plan

Official Use Only			Applicant Complete this Section	
Yes	No	Comments	BMP	Rationale
P			<b>Equipment and Vehicle Maintenance</b>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable	
Q			<b>Litter and Waste Management</b>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable	
R			<b>Other BMPs List:</b>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<hr/> <input type="checkbox"/> Yes	

Continued on next page

### Erosion and Sediment Control Plan

Official Use Only			Applicant Complete this Section	
Yes	No	Comments	BMP	Rationale
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<hr style="border: none; border-top: 1px solid black; margin-bottom: 5px;"/> <input type="checkbox"/> Yes	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<hr style="border: none; border-top: 1px solid black; margin-bottom: 5px;"/> <input type="checkbox"/> Yes	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<hr style="border: none; border-top: 1px solid black; margin-bottom: 5px;"/> <input type="checkbox"/> Yes	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<hr style="border: none; border-top: 1px solid black; margin-bottom: 5px;"/> <input type="checkbox"/> Yes	

*Duplicate this page if needed to describe additional BMPs*



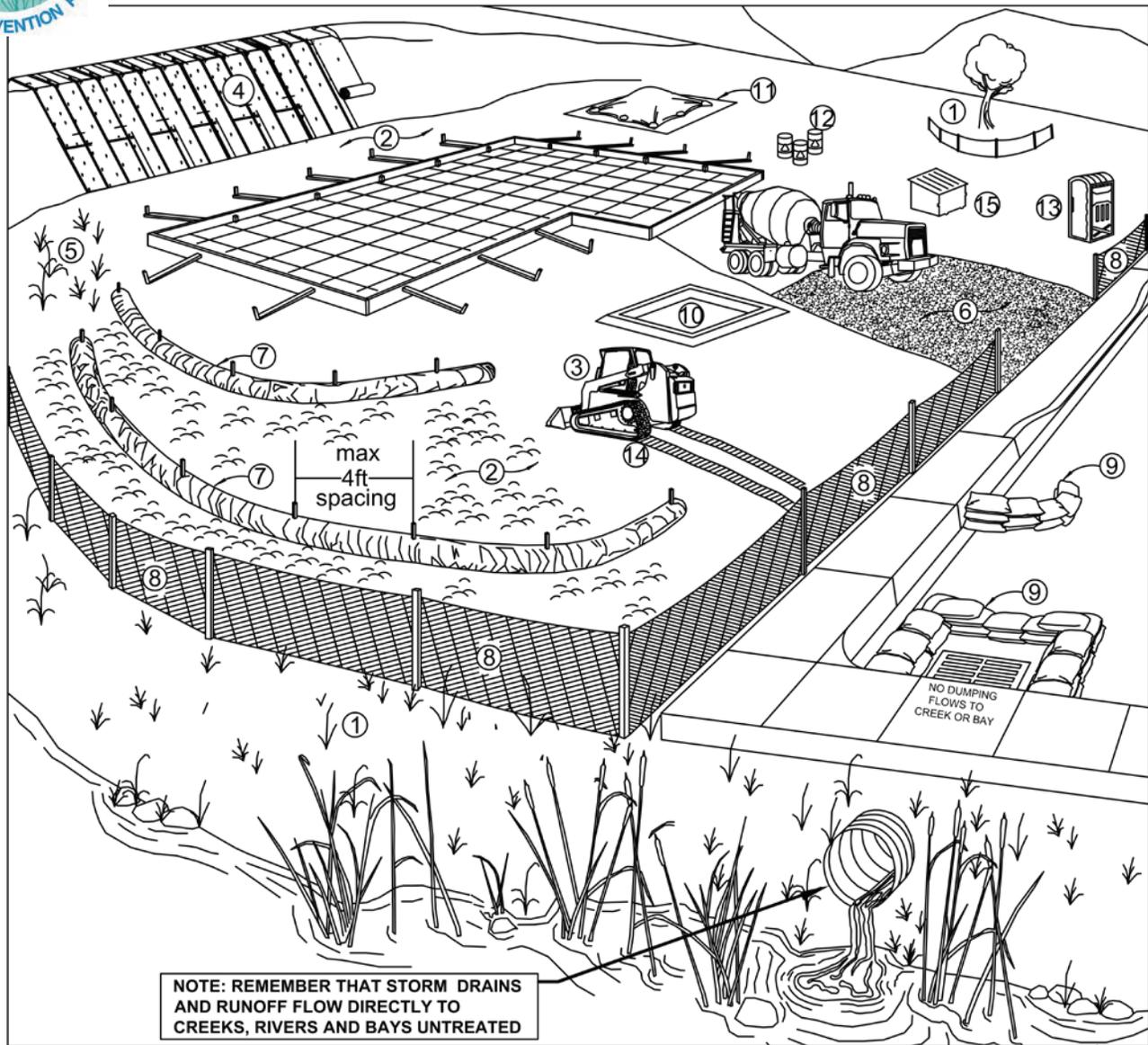
# **MCSTOPPP Minimum Control Measures for Small Construction Projects**

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# Marin County Stormwater Pollution Prevention Program

## Minimum Control Measures For Small Construction Projects



NOTE: REMEMBER THAT STORM DRAINS AND RUNOFF FLOW DIRECTLY TO CREEKS, RIVERS AND BAYS UNTREATED

<b>Erosion Controls</b>	<b>Sediment Controls</b>	<b>Good Housekeeping</b>
NS Scheduling	6. Tracking Controls	10. Concrete Washout
1. Preserve Vegetation & Creek Set Backs	7. Fiber Rolls	11. Stockpile Management
2. Soil Cover	8. Silt Fence	12. Hazardous Material Management
3. Soil Preparation/ Roughening	9. Drain Inlet Protection	13. Sanitary Waste Management
4. Erosion Control Blankets	NS Trench Dewatering	14. Equipment and Vehicle Maintenance
5. Revegetation		15. Litter and Waste Management

NS=not shown on graphic

**Note:** Select an **effective combination of control measures from each category**, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be **continually implemented and maintained throughout the project** until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. **Inspect and maintain the control measures** before and after rain events, and as required by the local agency or state permit.

More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the *California Best Management Practices Handbook Portal: Construction* at <http://www.casqa.org>. Caltrans factsheets are available in the *Construction Site BMP Manual March 2003* at <http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm>.

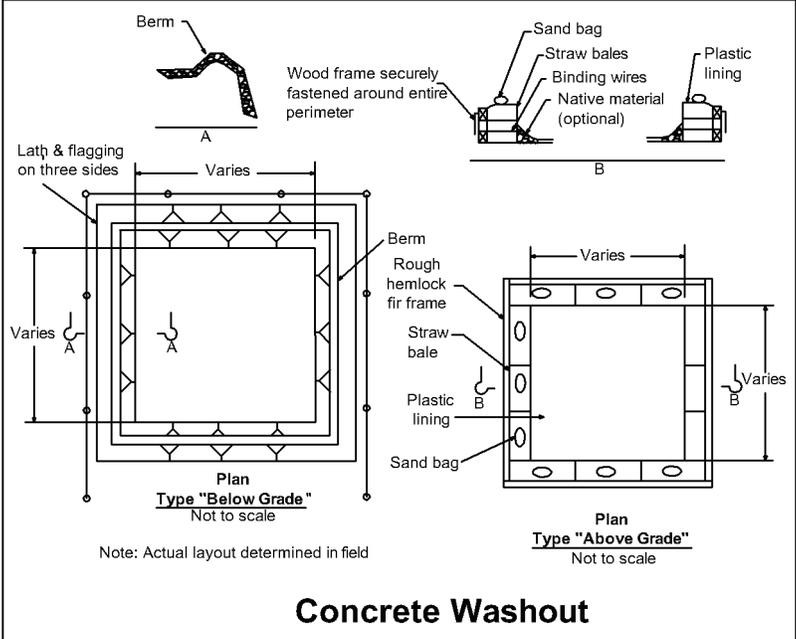
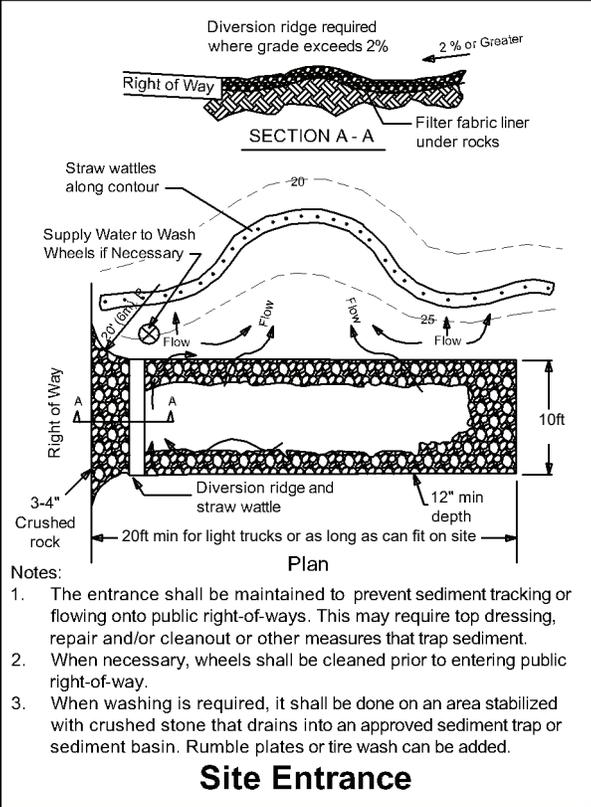
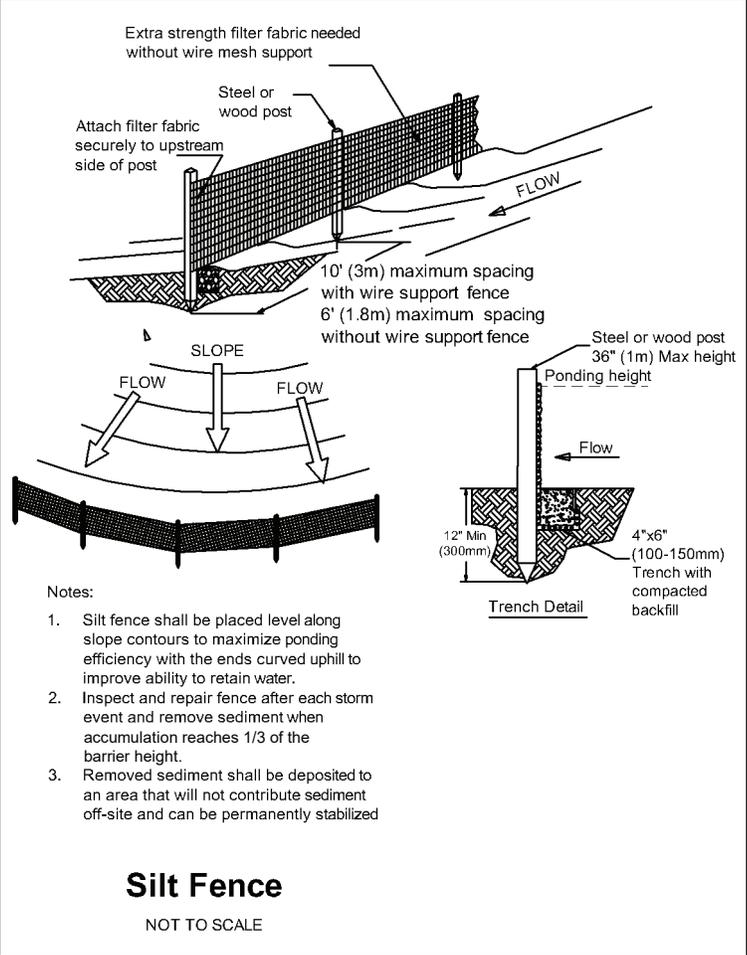
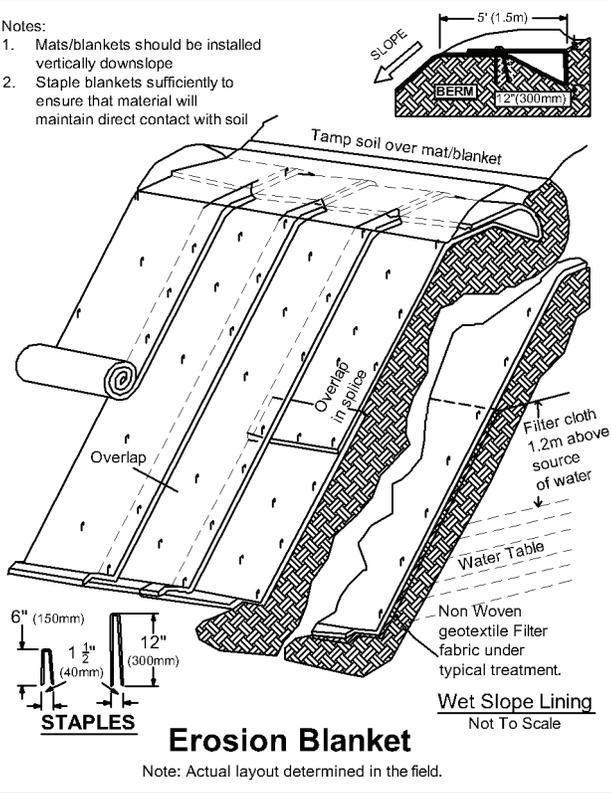
Visit [www.mcstoppp.org](http://www.mcstoppp.org) for more information on construction site management and Erosion and Sediment Control Plans.

If you require materials in alternative formats, please contact:  
415-473-4381 voice/TTY or [disabilityaccess@co.marin.ca.us](mailto:disabilityaccess@co.marin.ca.us)

Control Measure		General Description
<b>Erosion Control Best Management Practices</b>		
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed. <i>For more info see the following factsheets: CASQA: EC-1; or Caltrans: SS-1.</i>
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning and Public Works Departments for specific creek set back requirements. <i>For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.</i>
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). <i>For more info see the following factsheets: CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.</i>
3	Soil Preparation/Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.). <i>For more info see the following factsheets: CASQA: EC-15.</i>
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife-friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: <a href="http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf">http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</a> . <i>For more info see the following factsheets: CASQA: EC-7; or Caltrans: SS-7.</i>
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. <i>For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.</i>
<b>Sediment Control Best Management Practices</b>		
6	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu of or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective. <i>For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.</i>
7	Fiber Rolls	Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: <a href="http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf">http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</a> . Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. <i>For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2).</i>
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment control can be used in lieu of silt fences. <i>For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.</i>
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. <i>For more info see the following factsheets: CASQA: SE-10; or Caltrans: SC-10.</i>
N/A	Trench Dewatering	Follow MCSTOPPP BMPs for trench dewatering. <a href="http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf">http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf</a> . <i>For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.</i>
<b>Good Housekeeping Best Management Practices</b>		
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. <i>For more info see the following factsheets: CASQA: WM-8; or Caltrans: WM-8.</i>
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. <i>For more info see the following factsheets: CASQA: WM-3 or Caltrans: WM-3.</i>
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; do not place containers directly on soil. <i>For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.</i>
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most vendors provide these). <i>For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.</i>
14	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediately clean up any spills or drips. <i>For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.</i>
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site litter daily. <i>For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.</i>

**Notes:**

1. Mats/blankets should be installed vertically downslope
2. Staple blankets sufficiently to ensure that material will maintain direct contact with soil





## **MCSTOPPP Trench Dewatering BMPs**

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*Protect Creeks and the Bay: Keep Sediments and Contaminated Water out of the Storm Drain System*

**MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM  
Best Management Practices for TRENCH DEWATERING**

**Requirements for Dewatering Discharges from Minor Street Excavations**

- The Federal Clean Water Act, the California Water Code, and local ordinances **prohibit** non-stormwater discharges to the storm drain system.
- Non-stormwater discharges include water that is actually or potentially contaminated with any pollutant, including, but not limited to, sewage, grease, drilling mud and oil.
- Uncontaminated pumped groundwater or accumulated rainwater may be discharged to the storm drain system but must be managed to minimize sediment reaching storm drains and ensure downstream creeks, wetlands, and the Bay are not polluted.
- The storm drain system includes streets, gutters, storm drain inlets, ditches, creeks, and wetlands.

IF YOUR SITE OR PROJECT REQUIRES DEWATERING, CONTACT YOUR LOCAL STORMWATER COORDINATOR BEFORE DISCHARGING WATER TO THE STORM DRAIN SYSTEM. *CONTACT INFORMATION ON THE REVERSE PAGE.*

As necessary, local municipal staff will determine whether flows from dewatering a particular excavation may be discharged to the storm drain system and what measures must be taken to reduce sediment in the discharge.

Depending on circumstances, holders of encroachment or building permits may be directed to use one or more of the following measures:

- Avoid the discharge. Disperse pumped water to a level dirt or landscaped area to allow infiltration or use for dust control. Be sure to prevent damage to landscaping.
- Build a sediment trap (temporary basin formed by excavation or earthen embankment across a low drainage area to detain sediment-laden runoff and allow sediment to settle out before discharging).
- Use a mobile weir tank, dewatering tank, or sand filter (follow vendor instructions).
- At minimum, use a gravity bag filter (dewatering bag) or similar filtration device (follow vendor instructions).

Odors, discoloration, or an oily sheen can indicate contaminants in the water. Dewatering discharges containing contaminants may need to be captured and treated or hauled to a suitable disposal site.

Some dewatering discharges require a National Pollutant Discharge Elimination System (NPDES) permit from the San Francisco Bay Regional Water Quality Control Board (RWQCB). For more information, call the RWQCB or visit their website:

Phone: 510-622-2300

Web: [http://www.waterboards.ca.gov/sanfranciscobay/npdes\\_gen\\_permit.shtml](http://www.waterboards.ca.gov/sanfranciscobay/npdes_gen_permit.shtml)



***Protect Creeks and the Bay: Keep Sediments and Contaminated Water out of the Storm Drain System***

**Marin County Local Municipal Stormwater Coordinators (415 Prefix)**

**Town of San Anselmo**  
258-4616 or 258-2600 (M-Th)

**City of Sausalito**  
289-4111 or 289-4100 ext. 106

**Town of Corte Madera**  
927-5069 or 927-5057 (M-Th)

**City of San Rafael**  
485-3355

**City of Belvedere**  
435-3838 (M-Th)

**County of Marin**  
499-3748 or 499-6528

**Town of Ross**  
453-8287 or 453-1453 ext. 163

**Town of Tiburon**  
435-7354 or 435-7399

**Town of Fairfax**  
458-0291 or 453-1584 (M-Th)

**City of Larkspur**  
927-5028 or 927-5017 (M-Th)

**City of Novato**  
899-8246

**City of Mill Valley**  
388-4033 ext. 116



**References:**

California State Water Resources Control Board, *Municipal Phase II Stormwater NPDES Permit CASQA, Dewatering Operations*: <http://www.cabmphandbooks.com/Documents/Construction/NS-2.pdf>

Marin County Stormwater Pollution Prevention Program,  
[http://www.mcstoppp.org/acrobat/AP2010\\_20050520%20.pdf](http://www.mcstoppp.org/acrobat/AP2010_20050520%20.pdf)

Caltrans, *Construction Site Best Management Practices Manual, Dewatering Operations NS-2*  
(<http://www.dot.ca.gov/hq/construc/stormwater/NS02Update.doc>)

**Marin County Stormwater Pollution Prevention Program**  
**P.O. Box 4186 • San Rafael, CA 94913 • 415-499-6528**  
[www.mcstoppp.org](http://www.mcstoppp.org)

If you require materials in alternative formats, please contact:  
415-473-4381 voice/TTY or [disabilityaccess@co.marin.ca.us](mailto:disabilityaccess@co.marin.ca.us)



**Solar Powered RRFB  
Warning System,  
Pushbutton Activation**

**Specification Guide**

# Ver 1.0, July 18, 2017

## **Description of Components:**

The Manufacturer shall provide components for a solar-powered RRFB Assembly.

Components shall include:

Solar panel and Control Cabinet containing the Flash Controller, Solar Controller, and Battery along with all mounting brackets. RRFB warning light bar.

## **Primary Function:**

The primary function of the system is to provide a highly visible, enhanced warning to road users..

## **General Requirements:**

The RRFB Manufacturer shall have a minimum of ten years of relevant intelligent traffic product manufacturing experience, as well as a minimum of three years of RRFB manufacturing experience.

## Specific Functional and Electrical Hardware Requirements:

### System

- The Solar RRFB System shall consist of the following assemblies:
  - RRFB Light Bar warning assembly
  - Control cabinet with controller
- The warning system will run for a programmed amount of time when activated by a pedestrian push button input.
- One crosswalk will consist of a pole on each side of the road each containing a full system. Activation on one side of the road will activate the system on the other side of the road through radio. The radio communication will also ensure synchronized flashing of the two systems.
- All system components shall operate on solar-assisted battery power.
- Individual system components shall be independently replaceable.

### Control Cabinet (108045-PEM)

- Shall be NEMA 3R Type
- Shall be 15.0" tall x 12.5" wide x 9.9" deep and constructed of minimum 0.080" thick aluminum.
- To promote airflow for internal components, the cabinet shall be vented with screening included on all vents and drains to prevent insects and other foreign matter from entering.
- For security, the cabinet must include at least two tamper-resistant stainless steel hinges and a replaceable #2 traffic lock with keys.
- To facilitate maintenance or repairs, the cabinet shall include a removable control panel to which all control circuit components either mount or connect.
- For easy installation on a wide range of pole sizes and types, the cabinet shall utilize four 5/16"-18 stainless steel mounting studs that mate to a range of bracket options. To ensure a secure mount to the supporting post, two banding style brackets that fit poles with a 2-3/8" or larger diameter shall be included as standard equipment.
- To prevent corrosion, all materials used in the construction or mounting of the control cabinet shall be either aluminum or stainless steel. Anti-vandal mounting hardware shall be available as an option.
- A UV resistant label shall be applied to the exterior of the cabinet and include system specific information including model number, serial number, date of manufacture, as well as any applicable regulatory compliance information.

### RRFB Controller

The RRFB Programmable Flash Controller is housed within the NEMA 3R type Control Cabinet, and shall:

- Include integrated constant-current LED drivers with a minimum of two-channel output for driving one or two RRFB units.
- Provide multiple levels of LED brightness through LED drive current control as determined by the phototransistor input.
- Shall utilize MUTCD compliant flash pattern

- Automatically adjust the LED drive current control to optimize brightness for the ambient lighting conditions.
- Have the LED drive outputs reach the full output current as programmed within the duration of the 100ms on-time.
- Manage LED brightness levels and duty cycle.
- Include an integrated Real Time Clock (RTC) with on-board battery backup.
- Have the capability of RS232 communication for programming with Windows-based software.
- Include a minimum of two General Purpose Inputs and Outputs (GPIO).
- Be internally housed in its own IP67 type enclosure.
- Be independently replaceable of other control panel components.
- Be able to monitor internal temperature.
- Operate between the temperatures of -40° to +176°F (-40° to +80°C).

### **Battery Power (48Ah)**

- Shall be housed inside the Control Cabinet.
- Shall have a nominal output voltage of 12 VDC and a capacity of 48Ah.
- Shall be rechargeable type Gelled-Electrolyte.
- Shall be sealed and spill-proof.
- Battery shall be replaceable independently of other components.
- Shall be fused for short circuit protection.

### **Solar Power (55W)**

- Solar Panel shall be constructed of an anodized aluminum frame, high-transmission 1/8" tempered glass, with silicon cells encapsulated in double-layer EVA, and with a white polymer backing.
- The Solar Panel shall be affixed to an aluminum plate and pole top bracket at a fixed angle of 45° to provide maximum insolation exposure.
- To ensure maximum solar insolation regardless of installation location, the post top mounting system shall provide 360° of rotational direction adjustment and upon installation, must be oriented with the collector facing South.
- The solar panel must be IEC61215, TUV, and UL 1703 certified. The solar panel shall operate at 12VDC nominal with a maximum output rating of 55 watts.
- The solar panel specifications:
  - Overall Size: 25.2" x 25.7"
  - Maximum power voltage: 18.18 VDC
  - Maximum power current: 3.1 A
  - Short circuit current: 3.31 A
  - Open circuit voltage: 22.1 VDC
  - Operate from -40° to +194°F (-40° to +90°C)
- All solar panel connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 1 meter deep for 30 minutes. Connectors shall be Deutsch DTM series.
- All solar panel fasteners shall be anti-vandal pin-type set screws. Wrench shall be provided.

## **RRFB-XL2™ Light Bar**

- The RRFB-XL2™ Light Bar shall be in conformance with all applicable FHWA MUTCD standards and guidelines, and shall meet or exceed the requirements specified in FHWA Memorandum IA-11, Interim Approval for Optional Use of Rectangular Rapid Flashing Beacons.
- House two rapidly and alternately flashing rectangular yellow LED array vehicle indications and one side-mounted yellow LED array pedestrian indication. The LED arrays shall be designed, located and operated in accordance with the detailed requirements as specified on the plans.
- When activated, each of the two vehicle indications of an RRFB-XL2™ Light Bar shall have 70 to 80 periods of flashing per minute and shall have alternating, but approximately equal, periods of rapid flashing light emissions and dark operation. During each of its 70 to 80 flashing periods per minute, one of the amber indications shall emit two medium rapid pulses of light; then the other amber indication shall emit four short rapid pulses of light followed by a long pulse.
- Active vehicle indications shall be visible at distances over 1000 feet during the day and over 1 mile at night.
- The light intensity of the vehicle indications shall meet the minimum specifications of Society of Automotive Engineers (SAE) standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated November 2008. Manufacturer Certification of Compliance shall be provided upon request.
- Have a housing that shall be constructed of durable, corrosion-resistant powder-coated aluminum with stainless steel vandal resistant fasteners.
- Have enclosed components that are modular in design whereby any component can be easily replaced without having to uninstall the RRFB assembly.
- Include mounting hardware for either single or back-to-back pole mounting and shall be universal to the pole type.
- Have two vehicle RRFB indications that is approximately 7" wide x 2.8" high, each with 8 yellow LEDs in its array and one Pedestrian indication that is approximately 0.5" wide x 1.7" high with 8 individual yellow LEDs in its array.
- Have overall dimensions of approximately 23.6" wide x 3.8" high x 1.4" deep.

## **900 MHz FHSS Wireless Transceiver**

- Shall seamlessly integrate with the controller to ensure sequential activation of other radio-equipped devices in the system.
- Shall include an integrated LCD and two user-interface buttons for setup and troubleshooting, including readouts of flash duration (timeout), battery conditions, and LED testing functionality.
- Shall include two LED indicators for status and troubleshooting.
- Shall be capable of operating as a Parent (Gateway) or Child (Node or Repeater).

- Shall be capable of providing site-survey data for verification of signal strength between network devices.
- Shall include network-wide modification of sign controller settings and output durations, using programmability from any networked transceiver without the use of additional equipment or software.
- Shall synchronize the system components to activate the indications within 120msec of one other and remain synchronized throughout the duration of the flash (timeout) cycle.
- Shall operate on the license-free ISM band.
- Shall comply with part 15 of FCC rules.
- Shall operate from 3.3VDC to 15VDC.
- Shall be, in the unlikely event of failure, replaceable independently of other components.

### **Bulldog Push Button**

- Shall be a Polara Bulldog model.
- Shall operate as a normally open (n/o) circuit.
- Must be ADA Compliant.
- Shall operate from -30° to +165°F (-34° to +74°C)
- Shall be provided with all necessary mounting hardware, wiring and associated ADA signage.

### **Pole Shaft**

- Shall be a standard specified outer diameter aluminum pedestal pole.
- Shall be supplied with one end threaded for easy installation into a pedestal base.
- Shall be 13' - 15' length Schedule 40 pipe raw aluminum as required

### **Pole Pedestal Base**

- Shall be TP-358 cast aluminum that mounts on a concrete foundation attached by four internal anchor bolts imbedded in the foundation.
- Shall have a large 8.5" square hand hole cover allowing access to the interior.

## **Warranty**

The Manufacturer shall offer a three-year unconditional warranty against all defects in material and workmanship.

# SAFEWALK™ CROSSWALK ILLUMINATOR

## SPECIFICATIONS

<b>POWER</b>	12VDC
<b>POWER CONSUMPTION</b>	700mA-1.4A
<b>ACTIVATION</b>	In unison with system activation
<b>FEATURES</b>	Soft start
<b>LIGHT LEVELS</b>	5
<b>DISPLAY LIGHTS</b>	2 LEDs, 6500K
<b>BEAM LIGHT</b>	Projects outward illuminating the middle of the crosswalk
<b>FLOOD LIGHT</b>	Illuminates the approach area of the crosswalk
<b>ILLUMINANCE</b>	Set designed to light a 2 lane crosswalk at a 20 LUX Minimum (FHWA recommendation)
<b>LIGHT DISTANCE</b>	6 by 15 feet per illuminator
<b>INSTALLATION HEIGHT</b>	12 to 15 feet
<b>HOUSING</b>	Aluminum and weather resistant polycarbonate
<b>BRACKET</b>	Adjustable aluminum
<b>ENCLOSURE</b>	IP 66
<b>OPERATING TEMPERATURE RANGE</b>	-40°F to 176°F (-40°C to 80°C)
<b>WIND RATING</b>	Up to 120mph*
<b>DIMENSIONS WITH PIVOT BRACKET</b>	4.5"W x 3.5"H x 4.5"D

\*Dependent upon pole size and system arrangement



*Sample Public Notification Letter*  
*Note: Letter shall be on Contractor's Stationery*

Dear Property Owner:

We are the general construction contractor for a City of Novato Capital Improvement Project that may affect your property.

The general scope of the construction work includes:

Our overall schedule for the construction work is as follows:

Please talk to our on-site foreman about any concerns with the work.

Our on-site foreman for the work is \_\_\_\_\_. If you are unable to locate the foreman at the job site, call \_\_\_\_\_ at \_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_.

We appreciate your cooperation on this project.

Sincerely,

Copy: City of Novato City Engineer