

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**



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**COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**

**NOTICE AND INSTRUCTIONS  
TO BIDDERS**

**FOR**

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**



**COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
NOTICE TO BIDDERS**

Sealed proposals will be received at the office of the County Clerk, 1055 Monterey Street, Room D-120, San Luis Obispo, California 93408 until 3:00 P.M. on Thursday, \_\_\_\_\_, 20\_\_, which bids will then be opened and declared at 3:15 o'clock P.M. on the above mentioned date at a public meeting at 1055 Monterey Street, Room D-120, by the County Clerk, for the following Public Works Project:

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**

Any bid received at the Office of the Clerk of the Board of Supervisors of the County of San Luis Obispo after 3:00 P.M. on the date specified above shall not be considered, and shall be returned to the bidder unopened.

Bids are required for the entire work described herein.

An official bound copy of a reduced size set of the Project Plans, the Agreement, the Special Provisions, and blank forms suitable for use in bidding on said work may be obtained from the Department of Public Works, Room 207, County Government Center, San Luis Obispo, CA 93408 and may be purchased therefrom for \$ \_\_\_\_\_, (tax included), per bound copy, said purchase cost not to be refunded. Such documents must be purchased from the Department of Public Works in order to be recognized as an official planholder. No bid will be considered which is not on the forms herein provided. **A full size set of the Project Plans and cross sections, if available, are charged separately at the department's current rates and will be provided only upon request.**

Pursuant to the provisions of Section 1773 of the California Labor Code, the Board of Supervisors of the County of San Luis Obispo has obtained from the Director of the California Department of Industrial Relations the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work for the locality in which the work is to be performed for each needed craft, classification, or type of workman. Copies of said prevailing rate of per diem wages are on file in the Office of the Clerk of the Board of Supervisors and available at the California Department of Industrial Relations' web site address at: [www.dir.ca.gov/DLSR/PWD](http://www.dir.ca.gov/DLSR/PWD).

Bidders are advised that any contractor who is awarded a public works project and intends to use a craft or classification not shown on the general prevailing wage determination may be required to pay the wage rate of that craft or classification most closely related to it as shown in the general determinations effective at the time of the call for bids.

Travel and Subsistence Payments shall be in accordance with Section 1773.1 of the Labor Code. Wage rates for holiday and overtime work shall be in accordance with Section 1773 of the Labor Code. Attention is directed to the provisions in Sections 1777.5, 1777.6, and 1777.7 of the Labor Code concerning the employment of apprentices by the Contractor or any subcontractor. Attention is directed to the provisions in Section 1776 of the Labor Code concerning payroll records.



Attention is directed to the provisions in Sections 1810 – 1815 of the Labor Code concerning work hours.

The bidder's attention is directed to the provisions of Section 2-1.02, "Required Listing of Proposed Subcontractors," of the Special Provisions regarding the requirement that proposed subcontractors be listed in the bidder's proposal. A "DESIGNATION OF SUBCONTRACTORS" form for listing subcontractors, as required, is included in the section titled "Bid Proposal and Forms" of the Contract Documents. This form must be completed and submitted with bidder's bid proposal.

All bonds and endorsements thereto to be submitted pursuant to this contract shall be written by a company authorized to do surety business in the State of California.

Each bid must be accompanied by a form of bidder's security, namely cash, certified check, cashier's check, or bidder's bond, in the amount of ten percent (10%) of the total of the bid.

All addenda issued before the time in which to submit bids expires shall form a part of the Contract Documents which are the subject of the bid. Any such addendum issued before the time in which to submit bids expires shall be e-mailed to each planholder on the County's official planholder list, at the e-mail address provided to the County at the time bid documents were purchased from the Department of Public Works. An informational electronic copy of such addenda will also be posted to the County's website for the Bidder's convenience at the following web address:

[http://www.slocounty.ca.gov/PW/Design\\_Division/Projects\\_Out\\_To\\_Bid.htm](http://www.slocounty.ca.gov/PW/Design_Division/Projects_Out_To_Bid.htm)

All bidders are required to acknowledge and confirm receipt of each and every addendum in their bid proposal.

Within ten (10) calendar days, not including Saturdays, Sundays and legal holidays, after receipt of notice that the contract has been awarded, the successful bidder, shall execute a written contract with the County in the form prescribed herein.

At the time of execution of the contract, the successful bidder shall submit the certificates of insurance stipulated in Article 7 of the Agreement, and, in addition thereto, shall furnish a "Performance Bond" in the sum of one hundred percent (100%) of the contract bid to guarantee the performance of the contract, and a "Payment Bond" in the sum of one hundred percent (100%) of the contract bid. The bond forms are included in the section titled "Agreement" of the Contract Documents.

In accordance with San Luis Obispo County Code, Title 8, Health and Sanitation, Chapter 8.12, "Solid Waste Management", a project "Recycling Plan" and "Disposal Report" are required for this contract. The bidder's attention is directed to Sections 4-1.03, "Contract Submittals", and 5-1.20, "Solid Waste Management" of the Special Provisions.

Attention is directed to the provisions of Section 5-1.07, "Measurement and Payment," of the Special Provisions permitting the substitution of equivalent securities for any moneys withheld to ensure performance of this contract. Said Section 5-1.07 is incorporated by reference in this invitation for bid as if fully set forth at length.



The Board of Supervisors reserves the right to reject any or all bids, and to waive discrepancies, irregularities, informalities or any other errors in the bids or bidding, if to do so seems to best serve the public interest. The right of Board of Supervisors to waive errors applies even if the Contract Documents state that a discrepancy, irregularity, informality or other error makes a bid nonresponsive, so long as the error does not constitute a material error.

The successful bidder must be licensed to perform the work in accordance with the laws of the State of California. Accordingly, the successful bidder shall possess a Class A general engineering contractor's license at the time this contract is awarded. In the alternative, the successful bidder shall possess a specialty contractor's license that permits the successful bidder to perform with his or her own organization contract work amounting to not less than 30% of the original total contract price and to subcontract the remaining work in accordance with Section 5-1.055, "Subcontracting," of the Amendments to the Standard Specifications. Failure of the bidder to be properly and adequately licensed shall constitute a failure to execute the contract and shall result in the forfeiture of the bidder's security.

Bidders must satisfy themselves by personal examination of the location of the proposed work and by such other means as they prefer as to the actual conditions and requirements of the work, and shall not at any time after submission of the bid dispute, complain, or assert that there was any misunderstanding in regard to the nature or amount of work to be done.

By order of the Board of Supervisors County of San Luis Obispo made this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

County Clerk and Ex-officio Clerk  
of the Board of Supervisors

By \_\_\_\_\_  
Deputy Clerk



## **BID PROTESTS**

Any bid protest must be submitted in writing to the Department of Public Works, Room 207, County Government Center, 976 Osos Street, San Luis Obispo, CA 93408; Attention: Design Engineer before 5 p.m. of the 7th business day following bid opening.

The initial protest document shall contain a complete statement of the basis for the protest and all evidence and documents supporting the protest available to the protesting party. The protest shall refer to the specific portion of the document which forms the basis for the protest. The protest shall include the name, address and telephone number of the person representing the protesting party. The party filing the protest shall concurrently transmit a copy of the initial protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest. The County Board of Supervisors will issue a decision on the protest.

The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest and failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest, including filing a Government Code Claim or legal proceedings.



## **SPECIAL INSTRUCTIONS TO BIDDERS**

All bidder Requests for Information must be submitted no later than 3 days prior to the bid opening date. Requests submitted after said date may not be considered. Bidders should submit Requests for Information to the County during the bid period at the following website:

[http://www.slocounty.ca.gov/PW/Design\\_Division/Projects\\_Out\\_To\\_Bid.htm](http://www.slocounty.ca.gov/PW/Design_Division/Projects_Out_To_Bid.htm)

Attention is directed to Section 4-1.03, "Contract Submittals," of the Special Provisions regarding the time period to submit the listed items upon receipt of the fully executed contract.







**COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**

**BID PROPOSAL AND FORMS**

**FOR**

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**



**BID PROPOSAL**

TO: THE BOARD OF SUPERVISORS OF THE COUNTY OF SAN LUIS OBISPO, STATE OF CALIFORNIA:

Pursuant to and in compliance with your Notice to Bidders, the undersigned, as bidder, declares that the only person 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 is 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 he/she will comply with such provisions before commencing the performance of the work of this contract; that he/she has carefully examined the location of the proposed work, the annexed proposed form of contract, and he/she proposes, and agrees if this proposal is accepted, that he/she will contract with the Board of Supervisors of the County of San Luis Obispo in the form of the copy of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other equipment needed, and to do all of the work and furnish all the materials specified in the contract, in the manner and the time therein prescribed, and according to the requirements of the Department of Public Works and Transportation as therein set forth, and that he/she will take in full payment therefor the following unit prices, to-wit:

**SEE NEXT PAGE FOR BID PROPOSAL FORM**



**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY, CA  
CONTRACT NO. 245R12B614  
BID FORM**

**SITE 1 -- AVILA BEACH AREA**

ITEM NO.	CODE NO.	DESCRIPTION OF ITEM	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE (IN FIGURES) DOLLARS. CENTS	TOTAL AMOUNT DOLLARS. CENTS
1	120100	TRAFFIC CONTROL SYSTEM	1	LS	LUMP SUM	
2	120090	CONSTRUCTION AREA SIGNS	1	LS	LUMP SUM	
3	128650	PORTABLE CHANGEABLE MESSAGE SIGN	5	EA		
4	150715	REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING	200	SF		
5	378000	MICRO-SURFACING (TYPE II)	1200	TONS		
6	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	0.5	TONS		
<b>SITE 1 - AVILA BEACH AREA</b>						

**SITE 2 -- NORTHWEST CAMBRIA AREA**

ITEM NO.	CODE NO.	DESCRIPTION OF ITEM	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE (IN FIGURES) DOLLARS. CENTS	TOTAL AMOUNT DOLLARS. CENTS
7	120100	TRAFFIC CONTROL SYSTEM	1	LS	LUMP SUM	
8	120090	CONSTRUCTION AREA SIGNS	1	LS	LUMP SUM	
9	150715	REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING	800	SF		
10	378000	MICRO-SURFACING (TYPE II)	700	TONS		
11	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	0.5	TONS		
<b>SITE 2 - NORTHWEST CAMBRIA AREA</b>						



**SITE 3 -- SOUTHWEST CAMBRIA AREA**

ITEM NO.	CODE NO.	DESCRIPTION OF ITEM	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE (IN FIGURES) DOLLARS. CENTS	TOTAL AMOUNT DOLLARS. CENTS
12	120100	TRAFFIC CONTROL SYSTEM	1	LS	LUMP SUM	
13	120090	CONSTRUCTION AREA SIGNS	1	LS	LUMP SUM	
14	378000	MICRO-SURFACING (TYPE II)	990	TONS		
15	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	0.3	TONS		

**SITE 3 - SOUTHWEST CAMBRA AREA**

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**SITE 4 -- TEMPLETON AREA**

ITEM NO.	CODE NO.	DESCRIPTION OF ITEM	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE (IN FIGURES) DOLLARS. CENTS	TOTAL AMOUNT DOLLARS. CENTS
16	120100	TRAFFIC CONTROL SYSTEM	1	LS	LUMP SUM	
17	120090	CONSTRUCTION AREA SIGNS	1	LS	LUMP SUM	
18	128650	PORTABLE CHANGEABLE MESSAGE SIGN	2	EA		
19	150715	REMOVE YELLOW THERMOPLASTIC STRIPING	5000	LF		
20	150715	REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING	500	SF		
21	378000	MICRO-SURFACING (TYPE II)	350	TONS		
22	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	0.1	TONS		

**SITE 4 - TEMPLETON AREA**

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**SUPPLEMENTAL WORK ITEMS**

ITEM NO.	CODE NO.	DESCRIPTION OF ITEM	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE (IN FIGURES) DOLLARS. CENTS	TOTAL AMOUNT DOLLARS. CENTS
23		SUPPLEMENTAL WORK (FLAGGING AND SUPPLEMENTAL TRAFFIC CONTROL)	1	LS	LUMP SUM	\$ 27,000.00

**TOTAL ALL SITES AND SUPPLEMENTAL WORK ITEMS**

--

Bidder's Name: \_\_\_\_\_



Bidder represents that he/she has hereinabove 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 "Total" column is the extension of the unit price bid on the basis of the approximate 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, provided, however, if the amount set forth as a unit price is ambiguous, unintelligible, or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Total" column, then the amount set forth in the "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.

Proposals in which the prices are mathematically or materially unbalanced may be rejected. A bid is mathematically unbalanced if the bid is structured on the basis of nominal prices for some work and inflated prices for other work; that is, each element of the bid must carry its proportionate share of the total cost of the work plus profits. A bid is materially unbalanced if there is reasonable doubt that award to the bidder submitting the mathematically unbalanced bid will result in the lowest ultimate cost to the County.

Bidder shall execute and submit with their proposal, each of the following:

- BIDDERS INFORMATION LIST
- DESIGNATION OF SUBCONTRACTORS
- BIDDER'S NON-COLLUSION DECLARATION (STATE FORM)
- BIDDER'S BOND

Bidder declares that he/she has read, and agrees to, the Special Provisions, including, without limitation, the provisions of Sections 1, 2, 3, 4, and 5 thereof.

Bidder shall list the name and address of each subcontractor to whom the bidder proposes to directly subcontract portions of the work as required by the provisions in Section 2-1.02, "Required Listing of Proposed Subcontractors," of these Special Provisions. The list of subcontractors shall also set forth the portion of work that will be done by each subcontractor listed. The "DESIGNATION OF SUBCONTRACTORS" form for listing the subcontractors is included in the section titled "Bid Proposal and Forms" of the Contract Documents.

Accompanying this bid proposal is a bidder's bond, cash, cashier's check, or a certified check, payable to the County of San Luis Obispo, for the sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_), said amount being at least ten percent (10%) of the total of the bid. The proceeds thereof shall become the property of the County of San Luis Obispo if the proposal is withdrawn after the time fixed in the Notice to Bidders for the opening of bids, or if, in case this bid is accepted by said Board of Supervisors and such bidder has received notice that the contract has been awarded to him/her, the undersigned shall fail within ten (10) calendar days, not including Saturdays, Sundays, and legal holidays, thereafter to execute a contract with the County and furnish the certificates of insurance and Payment and Performance bonds required by the Contract Documents. Otherwise, said guarantee, except a bidder's bond, will be returned to the undersigned.



This bid proposal may be withdrawn, in writing, prior to the time fixed in the Notice to Bidders for the opening of bids. It is understood and agreed that this bid proposal will not be withdrawn after the time fixed in the Notice to Bidders for the opening of bids. Bidders further agree that the failure of the County to open bids for this project exactly at the time fixed in said Notice shall not extend the time within which bids may be withdrawn.

The undersigned bidder will sign and deliver to the County of San Luis Obispo the written contract, together with the certificates of insurance and bonds described in the Notice to Bidders, within ten (10) calendar days, not including Saturday, Sundays, and legal holidays, after the undersigned has received notice that the contract has been awarded to him/her.

The undersigned, as bidder, declares that he/she is aware of the provisions of Section 3700 of the California 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 will comply with such provisions before commencing the performance of the work of this contract.

The bidder's execution of the signature portion of this bid proposal shall also constitute an endorsement and execution of those certifications, questionnaires, and assurances which are a part of this proposal.

**ADDENDA:** The undersigned acknowledges and confirms the receipt of the following Addenda:

<u>Addenda Number</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____

and agrees that said addenda are covered in the bid proposal and shall form a part of the Contract Documents.



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

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Bidder warrants and represents that he/she is licensed in accordance with an Act providing for the registration of Contractors, License No. \_\_\_\_\_, Class \_\_\_\_\_, License Expiration Date \_\_\_\_\_. (Note: The successful bidder must possess the license classification specified in the Notice to Bidders upon award of this contract.)

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

Signature of Bidder \_\_\_\_\_

Printed Name and Title \_\_\_\_\_

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

Telephone Number \_\_\_\_\_

Date \_\_\_\_\_

**NOTICE.** . . . . If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of the officer or officers authorized to sign contract in behalf of the corporation; if bidder is a partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts in behalf of the partnership; and if the bidder is an individual, his or her signature shall be placed above. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a Power of Attorney must be on file with the County prior to opening of bids or submitted with the bid; otherwise, the bid will be disregarded as irregular and unauthorized.

**RETURN THIS FORM WITH YOUR BID PROPOSAL**



## **BIDDERS INFORMATION LIST**

All bidders/proposers are required to provide the following information for all DBE and non-DBE contractors, who provided a proposal, bid, quote, or were contacted by the proposed prime contractor. This information is required from the proposed prime contractor and shall be submitted with their bid proposal. The Department of Public Works will use this information to maintain and update a "Bidder's List" to assist in the overall annual Disadvantaged Business Enterprise (DBE) availability goal setting process required for Federal-aid projects. This information is also being made available to other local agencies for the same purpose. *To the extent permitted by law, all information submitted will be held in strict confidence and will not be shared without your consent except as noted above.*

**Contractor:**     Prime Contractor     Subcontractor     Supplier     Other: \_\_\_\_\_

Firm Name: \_\_\_\_\_ Phone: \_\_\_\_\_

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

License No. and Classification \_\_\_\_\_ Years in Business: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Is the firm currently certified as a DBE by Caltrans?     No     Yes    Cert. Number: \_\_\_\_\_

Gross Annual Receipts for last year:

- less than \$1 million     less than \$5 million     less than \$10 million  
 less than \$15 million     more than \$15 million

Type of work/ services/ materials provided for this job:

- Contractor     Supplier     Manufacturer     Trucking     Broker  
 Other (describe): \_\_\_\_\_

Contractor Specialty for this job:

- Roadway Construction (including signing, paving, and concrete) (237310)  
 Roadway Painting/Striping (237310)  
 Highway Lighting & Signal Installation (238210)  
 Bridge Construction (237310)  
 Tunnel Construction (237990)  
 Water, Sewer, & Pipeline Construction (237110)  
 Power & Communication Transmission Line (including conduit construction) (237130)  
 Landscaping (561730)  
 Irrigation (237110)  
 Other Heavy Construction (including parks, reclamation, reservoir, water & sewer treatment facilities) (237990)  
 Masonry (including retaining walls and foundations) (238140)  
 Concrete Retaining Walls (238110)  
 Building Construction (236210/236220)  
 Other (describe): \_\_\_\_\_

- Copy sheet as needed
- None of the information requested on this form is material to the County's determination of which Bidder's Bid is the lowest responsive bid.

**RETURN THIS FORM WITH YOUR BID PROPOSAL**



**DESIGNATION OF SUBCONTRACTORS FORM**

In compliance with the provisions of Sections 4100-4113 of the Public Contract Code of the State of California, and any amendments thereto, the undersigned bidder sets forth the following:

- a. The name and location of the place of business of each subcontractor who will perform work or labor, or render service to the undersigned Prime Contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the Prime Contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the undersigned Prime Contractor's total bid or in the case of bids for the construction of streets and highways, including bridges, in excess of one-half of one percent or ten thousand dollars (\$10,000), whichever is greater.\*
- b. The portion of the work which will be done by each such subcontractor. Only one subcontractor shall be listed for each such portion.

Bid Schedule Item No.	Description of Portion of Work (if applicable)	Subcontractor	License No.	Address	Approximate Dollar Value

A-13

By: \_\_\_\_\_  
 (Bidder's Signature/Printed Name and Title/Company Name)

\*NOTE: When there is a failure to list a subcontractor, as required, the law provides that the Contractor agrees to do the work with his or her own forces. In such case, bidder must be authorized to perform said work. Any bid not complying with the provisions hereof may be rejected.

**RETURN THIS FORM WITH YOUR BID PROPOSAL**



**BIDDER'S NON-COLLUSION DECLARATION (STATE FORM)**

Bidder hereby states, under penalty of perjury, 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.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

\_\_\_\_\_  
(Name of Company)

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

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

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

**RETURN THIS FORM WITH YOUR BID PROPOSAL**



**BIDDER'S BOND**

KNOW ALL BY THESE PRESENTS:

That we, \_\_\_\_\_

\_\_\_\_\_

as Principal, and \_\_\_\_\_

\_\_\_\_\_

as Surety, are held and firmly bound unto the County of San Luis Obispo, State of California (hereinafter called "County") in the penal sum of Ten Percent (10%) of the total aggregate amount of the bid of the Principal above named, submitted by said Principal to the County for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the Surety hereunder exceed the sum of \_\_\_\_\_

\_\_\_\_\_ (\$\_\_\_\_\_).

THE CONDITION OF THIS OBLIGATION IS SUCH,

That whereas a bid to County for certain construction specifically described as follows, for which bids are to be opened on \_\_\_\_\_, 20\_\_\_\_, has been submitted by Principal to County for:

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**



NOW, THEREFORE, if the aforesaid Principal shall not withdraw said bid after the time fixed in the Notice to Bidders for the opening of the same, and shall within ten (10) calendar days, not including Saturdays, Sundays, and legal holidays, after receipt of written notice that the contract has been awarded to him/her, enter into a written contract with County, in the prescribed form, in accordance with the bid as accepted, and file with the County the certificates of insurance as stipulated in Article 7 of the Agreement and the two bonds, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; otherwise, it shall remain in full force and effect, and the penal sum guaranteed by this bond shall be forfeited to the County.

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

In the event suit is brought upon said bond by County and judgment is recovered, the Surety shall pay all costs incurred by County in such suit, including a reasonable attorney's fee to be fixed by the court. Death of the Principal shall not relieve Surety of its obligations hereunder.



IN WITNESS WHEREOF, we have hereunto set our hands and seals on this \_\_\_\_\_ day  
of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Seal)

Principal

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Seal)

Surety

\_\_\_\_\_

Address

NOTE:

Signatures of those executing for Surety must be properly acknowledged.







**COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**

**CONTRACT AGREEMENT**

**FOR**

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**



## COUNTY OF SAN LUIS OBISPO

### AGREEMENT

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, between the County of San Luis Obispo, a political subdivision and county of the State of California, party of the first part, hereinafter called "County" and \_\_\_\_\_ the party of the second part, hereinafter called "Contractor".

WITNESSETH, that for and in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto agree as follows:

#### ARTICLE 1 – WORK

That the Contractor will, at its own proper cost and expense, do all the work and furnish all the equipment and materials necessary to construct and complete in good and workmanlike manner to the satisfaction of the Board of Supervisors of said County, for

**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**

all in strict accordance with the Contract Documents, including without limitation, the Project Plans, the Standard Specifications of the State of California, Department of Transportation, dated May 2006 (hereinafter called, "Standard Specifications"), the Standard Plans of the State of California, Department of Transportation, dated May 2006 (hereinafter called, "Standard Plans"), and the Special Provisions therefor, on file in the Department of Public Works and Transportation and the Office of the Clerk of the Board of Supervisors of the County of San Luis Obispo, State of California.

#### ARTICLE 2 – CONTRACT

This Agreement, together with the Notice and Instructions to Bidders, Bid Proposal and Forms, Standard Specifications, Standard Plans, the Special Provisions, including without limitation the Project Plans incorporated therein, and all addenda thereto, form the contract, and said documents by this reference become as fully a part of this Agreement as if set forth in full and are herein sometimes referred to as "Contract" or as "Contract Documents". The terms set forth below, when utilized in said documents, shall mean as follows:

**PUBLIC WORKS DIRECTOR:** Means the Director of Public Works and Transportation (hereinafter, also the Department of Public Works) of the County of San Luis Obispo, State of California, acting either directly or through properly authorized agent(s), acting within the scope of the particular duties delegated to them, including registered engineers employed by the Department of Public Works and Transportation.

**COUNTY CLERK:** Means the Clerk of the Board of Supervisors of the County of San Luis Obispo, State of California.



### ARTICLE 3 – CONTRACT TIMES

The Contractor shall begin work within ten (10) calendar days not including Saturdays, Sundays, or legal holidays, from the date of receipt of the County's Notice to Contractor to Proceed, and the work to be accomplished under this contract shall be completed within the time limit provided in Section 4, "Prosecution and Progress of the Work", of the Special Provisions. Attention is directed to the provisions of said Section 4, "Prosecution and Progress of the Work", of the Special Provisions for the amount of liquidated damages.

### ARTICLE 4 – CONTRACT PRICE

The total Contract price is the amount of the Contractor's bid as set forth in the award of the Contract approved by the County's Board of Supervisors. The Contractor will receive and accept and the County will pay the prices specified in the attached Bid Proposal, which is incorporated herein by reference, as full compensation for furnishing all labor, materials, and equipment for doing all the work contemplated and embraced in this Agreement. To the extent permitted by law, the Contractor assumes during the progress of the work and before its acceptance, any and 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 County; and assumes any and all expenses incurred by or in consequence of the suspension or discontinuance of work, for well and faithfully completing the work, and the whole thereof, in the manner and to the requirements of the Plans, Special Provisions, Standard Specifications, Standard Plans, and the Public Works Director.

### ARTICLE 5 – SUBCONTRACTING

The Contractor's attention is directed to the provisions of Section 2-1.02, "Required Listing of Proposed Subcontractors," of the Special Provisions and the requirements contained therein.

Additionally, the Contractor's attention is directed to the provisions of the "Subletting and Subcontracting Fair Practices Act" set forth in Sections 4100-4114 of the Public Contract Code.

### ARTICLE 6

The Contractor agrees that the Public Works Director shall decide as to the meaning of the Standard Specifications, Standard Plans, and Special Provisions for the work, including without limitation the Project Plans incorporated therein, where the same may be found to be obscure or in dispute and the decision shall be final. The Public Works Director shall have the right to correct any errors or omissions therein when such corrections are necessary to the proper fulfillment of the intention of the Special Provisions, Standard Specifications and Standard Plans; the action of such corrections is to take effect from the time said Public Works Director gives notice thereof to the Contractor.

### ARTICLE 7 - INSURANCE REQUIREMENTS

Contractor, at its sole cost, shall purchase and maintain the insurance policies set forth below on all of its operations under this Agreement. All of the insurance companies providing insurance for Contractor shall have, and provide evidence of, an A.M. Best & Co. rating of A:VII or above, unless



exception is granted by Risk Manager. Further, all policies shall be maintained for the full term of this Agreement and related warranty period if applicable.

#### 7.01 SCOPE AND LIMITS OF REQUIRED INSURANCE POLICIES

##### A. COMMERCIAL GENERAL LIABILITY

Policy shall include coverage at least as broad as set forth in Insurance Services Office Commercial General Liability Coverage (CG 00 01) with policy limits of not less than \$2 million dollars combined single limit per occurrence. Policy shall be endorsed with the following specific language or contain equivalent language in the policy:

- i.) The County of San Luis Obispo, its officers, officials, employees, and volunteers are named as an additional insured for all liability arising out of the operations by or on behalf of the named insured in the performance of this Agreement. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance as least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 (if a later edition is used).
- ii.) The insurance provided herein shall be considered primary coverage to the County of San Luis Obispo with respect to any insurance or self insured retention maintained by the County. Further, the County's insurance shall be considered excess insurance only and shall not be called upon to contribute to this insurance.
- iii.) The policy shall not be cancelled or materially changed without first giving thirty days prior written notice to the County of San Luis Obispo, Department of Public Works.

##### B. BUSINESS AUTOMOBILE POLICY

Policy shall include coverage at least as broad as set forth in the liability section of Insurance Services Office Business Auto Coverage (CA 00 01) with policy limits of no less than \$1 million dollars combined single limit for each occurrence. Said insurance shall include coverage for owned, non-owned, and hired vehicles. Policy shall be endorsed with the following specific language or contain equivalent language in the policy:

- i.) The County of San Luis Obispo, its officers, officials, employees, and volunteers are named as an additional insured for all liability arising out of the operations by or on behalf of the named insured in the performance of this Agreement.
- ii.) The policy shall not be cancelled or materially changed without first giving thirty days prior written notice to the County of San Luis Obispo, Department of Public Works.



C. WORKERS' COMPENSATION / EMPLOYERS' LIABILITY INSURANCE

- i. Workers' Compensation: policy shall provide statutory limits as required by State of California. Policy shall be endorsed with the following specific language or contain equivalent language in the policy:
  - a. Contractor and its insurer shall waive all rights of subrogation against the County, its officers and employees for workers' compensation losses arising out of this Agreement.
  - b. The policy shall not be cancelled or materially changed without first giving thirty days prior written notice to the County of San Luis Obispo, Department of Public Works.
- ii. Employer's Liability: policy shall provide \$1 million dollars per accident for bodily injury or disease.

If the Contractor maintains higher limits than the minimum shown above, the County requires and shall be entitled to coverage for the higher limits maintained by the Contractor.

7.02 DEDUCTIBLES AND SELF-INSURANCE RETENTIONS

All deductibles and/or self-insured retentions which apply to the insurance policies required herein will be declared in writing and approved by the County prior to commencement of this Agreement.

7.03 DOCUMENTATION

Prior to commencement of work and annually thereafter for the term of this Agreement, Contractor will provide to the County of San Luis Obispo, Department of Public Works, Room 207, County Government Center, CA 93408, Attention Design Engineer, Contract No. 245R12B614, properly executed certificates of insurance clearly evidencing the coverage, limits, and endorsements specified in this Agreement. Further, at the County's request, the Contractor shall provide certified copies of the insurance policies within thirty days of request.

Failure of the County to demand such certificates or other evidence of Contractor's full compliance with these insurance requirements or failure of the County to identify a deficiency in compliance from the evidence provided shall not be construed as a waiver of Contractor's obligation to obtain and maintain such insurance.

7.04 ABSENCE OF INSURANCE COVERAGE

County may direct Contractor to immediately cease all activities with respect to this Agreement if it determines that Contractor fails to carry, in full force and effect, all insurance policies with coverage levels at or above the limits specified in this Agreement. Any delays or expense caused due to stopping of work and change of insurance shall be considered Contractor's delay and expense.



7.05 SPECIAL RISKS OR CIRCUMSTANCES

The County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

ARTICLE 8 – INDEMNIFICATION

Contractor shall defend, indemnify, and hold harmless the County, its officers, employees, and volunteers from all claims, demands, damages, costs, expenses, judgments, attorney fees, liabilities, or other losses (hereafter, collectively “claims”) that may be asserted by any person or entity, and that arise out of or relate in any way to any acts or omissions relating to the performance of any duty, obligation, or work hereunder. The obligation to indemnify shall be effective and shall extend to all such claims, in their entirety, even when such claims arise from the comparative negligence of the County, its officers or employees. However, this indemnity will not extend to any claims arising out of the sole negligence or willful misconduct of the County, its officers or employees.

The preceding paragraph applies to any theory of recovery relating to said act or omission by the Contractor, or its agents, employees, or other independent contractors directly responsible to Contractor, including, but not limited to the following:

1. Violation of statute.
2. Professional malpractice.
3. Willful, intentional or other wrongful acts, or failures to act.
4. Negligence or recklessness.
5. Furnishing of defective or dangerous products.
6. Broad Form Property Damage (Including Completed Operations).
7. Premises Liability.
8. Strict Liability.
9. Inverse condemnation.
10. Violation of civil rights
11. Violation of any federal or state statute, regulation, or ruling resulting in a determination by the Internal Revenue Service, California Franchise Tax Board, or any other California entity responsible for collecting payroll taxes, when the Contractor is not an independent contractor.

Nothing contained in the foregoing indemnity provisions shall be construed to require the Contractor to indemnify the County, against any responsibility or liability in contravention of Civil Code 2782.

It is the intent of the parties to provide the County the fullest indemnification, defense, and “hold harmless” rights allowed under the law. If any word(s) contained herein are deemed by a court to be



in contravention of applicable law, said word(s) shall be severed from this contract and the remaining language shall be given full force and effect.

All of the preceding indemnification rights granted the County above shall survive any termination of this agreement.

#### ARTICLE 9 – FINAL PAYMENT

It is mutually agreed between the parties hereto, that no certificate given or payments made under this contract, except the final payment, shall be evidence of the performance of this contract, either wholly or in part, against any claim of the Contractor. Final payment for the work performed under this contract shall not be made until the lapse of thirty-five (35) calendar days after the notice of completion of said work has been filed for record and no payment shall be construed to be an acceptance of any defective work or improper materials. The Contractor further agrees that acceptance by the Contractor of the final payment due under this contract, and the adjustment and payment of his/her bill rendered for any work done in accordance with any amendments of this Contract, shall be and shall operate as a release to the County of San Luis Obispo from any and all claims or liabilities on account of work performed under this Contract except claims or liabilities for which written notice of claim or protest has been filed with the Public Works Director. Besides guarantees required elsewhere, the Contractor shall and does hereby guarantee all workmanship and material for a period of one year from and after both the date of acceptance of the work and the recordation of the notice of completion by the County and shall repair or replace any or all work and material, together with any other portions of the work which may be displaced in so doing, that in the opinion of the County is or becomes defective during the period of said guarantee without expense whatsoever to the County.

#### ARTICLE 10 – CONTRACTOR’S REPRESENTATIONS

The Contractor hereby declares that he/she has read the Contract Documents pertaining to the work to be accomplished hereunder, has carefully examined the plans and detail drawings of the work to be performed and fully understands the intent and meaning of the same.

It is further stipulated and agreed that the Contractor shall keep himself/herself fully informed of all laws, ordinances, and regulations which do or may affect the conduct of the work, the materials used therein or persons engaged or employed thereupon and all such orders of bodies and tribunals having any jurisdiction over the same. If it be found that the Special Provisions or Standard Specifications for the work conflict with any such law, ordinance or regulation the Contractor shall immediately report same to the Public Works Director in writing. The Contractor shall at all times observe and comply with and shall cause all his/her agents, employees, and independent contractors hired by the Contractor to observe and comply with all such existing and future laws, ordinances, regulations, or decrees.

#### ARTICLE 11 – APPRENTICES

Attention is directed to the provisions in Sections 1777.5, 1777.6, and 1777.7 of the Labor Code concerning the employment of apprentices by the Contractor or any subcontractor.

The Contractor and any subcontractor shall comply with the requirements of Sections 1777.5, 1777.6, and 1777.7 of the Labor Code in the employment of apprentices.



To insure compliance and complete understanding of the law relating to apprentices, and specifically the required ratio thereunder, each contractor or subcontractor should, where some question exists, contact the Division of Apprenticeship Standards, 455 Golden Gate Avenue, San Francisco, California, or one of its branch offices prior to commencement of work on this contract. Responsibility for compliance with said Labor Code Sections lies with the prime contractor.

#### ARTICLE 12 – PAYROLL RECORDS

Attention is directed to the provisions in Section 1776 of the Labor Code concerning Contractor and subcontractor payroll records.

The Contractor and any subcontractor shall comply with the requirements of Section 1776 of the Labor Code.

#### ARTICLE 13 – EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this contract, Contractor agrees to comply with all of the Equal Employment Opportunity provisions of Executive Order No. 11246 of September 24, 1965, as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR Chapter 60), including the following:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoffs or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Department of Public Works setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the Department of Public Works, advising the said labor union or worker's representative of the Contractor's commitments under this Article 14 and shall post copies of the Notice in conspicuous places available to employees and applicants for employment.
4. The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations (41 CFR, Part 60) and relevant orders of the Secretary of Labor.
5. The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the County of San Luis



Obispo and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations or orders, this contract may be cancelled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.
7. The Contractor will include the provisions of this Article 14 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Public Works Director or the Secretary of Labor may direct as a means of enforcing such provisions including sanctions for noncompliance: provided, however, that in the event a contractor becomes involved in, or is threatened with litigation with a subcontractor or vendor as a result of such direction by the Secretary of Labor, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

#### ARTICLE 15 - SAFETY

All work conducted by the Contractor and/or subcontractors in the execution of this contract shall be in accordance with current CAL OSHA requirements. Full compensation for compliance with the provisions of this Article 15 shall be considered as included in the other items of work and no additional compensation will be allowed therefor.

#### ARTICLE 16 – BONDS

Contractor agrees that the Payment Bond and Performance Bond attached to this Agreement are for reference purposes only, and shall not be considered a part of this Agreement or any other Contract Document. Contractor further agrees that said bonds are separate obligations of the Contractor and its surety, and that any attorney's fee provision contained in any payment bond or performance bond shall not apply to any legal action between Contractor and County to enforce any provision of the Contract Documents.

#### ARTICLE 17 – ATTORNEYS FEES

No provisions of the Contract Documents provide either the Contractor or the County the right to be awarded any attorney's fees and/or costs under Civil Code section 1717 in any legal action brought by either party to enforce any provision of the Contract Documents against the other party. The parties agree that any references to attorney's fees in language describing indemnification obligations do not constitute a contractual provision that would provide either the Contractor or the County the right to be awarded any attorney's fees and/or costs under Civil Code section 1717 in any legal action brought by either party to enforce any provision of the Contract Documents against the other party. Any other language in the Contract Documents providing for a recovery of attorney's fees shall be



strictly construed as not including the recovery of any attorney's fees incurred by either Contractor or County in any legal action brought by either party to enforce any provision of the Contract Documents against the other party.

The parties agree that the Contract Documents contain no provisions that would allow either the Contractor or the County to be awarded attorney's fees and/or costs under Civil Code section 1717. Nothing in this Article affects any right by Contractor or County to recover attorney's fees or costs by operation of any law other than Civil Code section 1717.

In the event of any conflict between language in this Article and any other language in the Contract Documents, the language in this Article shall prevail.



IN WITNESS WHEREOF, the parties to these presents have hereunto set their hands the year and date first above written, being authorized thereto.

COUNTY OF SAN LUIS OBISPO

CONTRACTOR

By: \_\_\_\_\_  
Chairperson of the Board of Supervisors  
County of San Luis Obispo

\_\_\_\_\_

ATTEST:

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

\_\_\_\_\_  
Clerk of the Board of Supervisors  
of the County of San Luis Obispo

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

By: \_\_\_\_\_  
Deputy Clerk  
County of San Luis Obispo

\_\_\_\_\_  
Printed Name and Title  
(If Contractor is a corporation, a partnership,  
or a joint venture, attach evidence of  
authority to sign)

APPROVAL RECOMMENDED  
PAAVO OGREN

By: PAAVO OGREN  
Director of Public Works

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

Date: 6/26/2013

\_\_\_\_\_  
(Printed Name and Title)

APPROVED AS TO FORM AND  
LEGAL EFFECT:

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

RITA L. NEAL  
County Counsel  
County of San Luis Obispo

Address for giving notices:

By: RITA L. NEAL

\_\_\_\_\_

Date: 6/21/13

\_\_\_\_\_

\_\_\_\_\_



**PERFORMANCE BOND**

KNOW ALL BY THESE PRESENTS: That

WHEREAS, the Board of Supervisors of the County of San Luis Obispo, State of California,  
has awarded to \_\_\_\_\_

\_\_\_\_\_

(hereinafter designated as "Principal") a contract for \_\_\_\_\_

\_\_\_\_\_ ; and

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for  
the faithful performance of said contract;

NOW, THEREFORE, we, the Principal and \_\_\_\_\_  
\_\_\_\_\_, as Surety, are held and firmly bound unto

the County of San Luis Obispo, (hereinafter called "County"), in the penal sum of

\_\_\_\_\_

(\$ \_\_\_\_\_), lawful money of the United States, 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 the above bounded Principal, his or 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, conditions and agreements in the said contract and any  
alteration thereof made as therein provided, on his/her or 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 and save harmless County, 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 virtue and effect.

And 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 manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or additions to the terms of the contract or to the work or to the specifications.

In the event suit is brought upon this bond by County and judgment is recovered, Surety shall pay all costs incurred by County in such suit, including a reasonable attorney's fee to be fixed by the Court.

Death of the Principal shall not relieve Surety of its obligations hereunder.



IN WITNESS WHEREOF, one identical counterpart of this instrument, which shall for all purposes be deemed an original thereof, has been duly executed by Principal and Surety above named, on the

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

Principal

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

Surety

\_\_\_\_\_

Address

NOTE:

Signatures of those executing for Surety must be properly acknowledged.



**PAYMENT BOND**

KNOW ALL BY THESE PRESENTS:

WHEREAS, the Board of Supervisors of the County of San Luis Obispo, State of California,  
and \_\_\_\_\_

\_\_\_\_\_ (hereinafter designated as "Principal") have  
entered into an agreement for \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

which said Agreement, and all of the Contract Documents attached to or forming a part of said Agreement, are hereby referred to and made a part hereof; and

WHEREAS, pursuant to law, the Principal is required before entering upon the performance of the Work, to file a good and sufficient bond with the body by whom the contract is awarded, to secure claims to which reference is made in Sections 3247 through 3252, inclusive, of the Civil Code of California, and Sections 3181, 3110, 3111 and 3112 of the Civil Code of California,

NOW, THEREFORE, said Principal and the undersigned \_\_\_\_\_

\_\_\_\_\_

as corporate surety, are held and firmly bound unto the County of San Luis Obispo, and unto all laborers, materialmen, and other persons referred to in said statutes in the sum of

\_\_\_\_\_

(\$\_\_\_\_\_), lawful money of the United States for the payment of which sum well and truly made, we bind ourselves, our heirs, executors, administrators, successors, or assigns, jointly and severally by these presents.



The condition of this obligation is such that if the said Principal, his/her or its heirs, executors, administrators, successors or assigns, or subcontractors, shall fail to pay any of the persons named in Civil Code Section 3181, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by any such claimant, or any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Principal and his subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor, that the surety herein will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the said surety will pay a reasonable attorney's fee to be fixed by the court.

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

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force, virtue, and effect.

And 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 manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or additions to the terms of the contract or to the work or to the specifications.

Death of the Principal shall not relieve Surety of its obligations hereunder.



IN WITNESS WHEREOF one identical counterpart of this instrument, which shall for all purposes be deemed an original thereof, has been duly executed by the Principal and Surety above named, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

Principal

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

Surety

\_\_\_\_\_

Address

NOTE:  
Signatures of those executing for Surety must be properly acknowledged.







**COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**

**SPECIAL PROVISIONS**

**FOR**

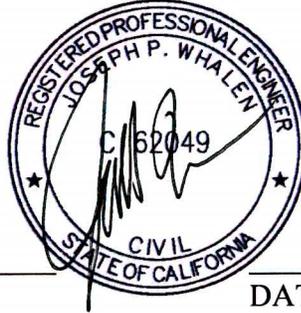
**2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY  
CONTRACT NO. 245R12B614**

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**CONTRACT NO. 245R12B614**

The Special Provisions contained herein have been prepared by or under the direction of the following registered engineer(s):

**PREPARED BY:**



\_\_\_\_\_  
PROJECT ENGINEER

\_\_\_\_\_  
DATE

*J. B. West*  
\_\_\_\_\_  
DESIGN ENGINEER



*6/26/13*  
\_\_\_\_\_  
DATE

**RECOMMENDED FOR APPROVAL AND ADVERTISING BY:**

*Dave Flynn*  
\_\_\_\_\_  
DEPUTY PUBLIC WORKS DIRECTOR

*6/26/13*  
\_\_\_\_\_  
DATE

**APPROVED BY:**

*Dave Flynn*  
\_\_\_\_\_  
PUBLIC WORKS DIRECTOR

*6/24/2013*  
\_\_\_\_\_  
DATE

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## SECTION 1. SPECIFICATIONS AND PLANS

### 1-1.01 SPECIFICATIONS AND PLANS

The work embraced herein shall be done in accordance with the Standard Specifications of the State of California, Department of Transportation, dated May 2006 (hereinafter called, "Standard Specifications"), the Standard Plans of the State of California, Department of Transportation, dated May 2006 (hereinafter called, "Standard Plans"), insofar as they may apply and in accordance with these Contract Documents. Wherever State Agencies, Departments, or Officers are referred to in the above mentioned Standard Specifications and Standard Plans, the comparable County of San Luis Obispo Agency, Department, or Officer having jurisdiction shall be meant thereby for the purpose of these Contract Documents.

The County hereby elects under Public Contract Code ' 20396 to have said applicable provisions of the Standard Specifications and Standard Plans referenced above, including those provisions modified by these Special Provisions, governed by the State Contract Act to the extent, and only to the extent, one or both of the following conditions is satisfied: (1) the applicable provisions of the Standard Specifications or Standard Plans expressly refer to the State Contract Act; or (2) the County would lack the authority to implement the applicable provisions of the Standard Specifications or Standard Plans absent the County's election to have the County's election to have the County's implementation of the provisions governed by the State Contract Act.

**No amendment by the Department of Transportation to the Standard Specifications shall apply to these Contract Documents unless the amendment is expressly set forth in these Special Provisions.**

In case of conflict between the Standard Specifications and the contract Special Provisions herein, the Special Provisions shall take precedence over such conflicting portions.

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## **SECTION 2. PROPOSAL REQUIREMENTS AND CONDITIONS**

### **2-1.01 PROPOSAL REQUIREMENTS AND CONDITIONS**

Attention is directed to the provisions in Section 2, “Proposal Requirements and Conditions,” of the Standard Specifications and these Special Provisions for the requirements and conditions which the bidder must observe in preparation and the submission of their bid.

The bidder's bond shall conform to the bond form in the section titled “Bid Proposal and Forms” of the Contract Documents and shall be properly filled out and executed. The bidder’s bond form included in the Contract Documents may be used.

The following provisions for Section 2, “Proposal Requirements and Conditions,” of the Standard Specifications are hereby modified as set forth hereafter.

Section 2-1.03, “Examination of Plans, Specifications, Contract, and Site of Work,” of the Standard Specifications is hereby amended by modifying the first sentence of the 4th paragraph to read: “Inspection of such records may be made at the Department of Public Works and Transportation of the County of San Luis Obispo.”

Section 2-1.05, “Proposal Forms” of the Standard Specifications, is hereby amended by substituting the words, “General and Special Provisions” for the words, “Proposal and Contract” in the first sentence of the 2nd paragraph and by substituting the words, “Notice to Bidders” for the words, “Notice to Contractors” in the first sentence of the 3rd paragraph. The 4th paragraph is hereby amended to read: “Proposal forms shall be obtained from the Department of Public Works and Transportation, County Government Center, San Luis Obispo, CA. 93408.” The 5th paragraph is hereby deleted.

Section 2-1.07, “Proposal Guaranty” of the Standard Specifications, is hereby amended by substituting the words, “made payable to the County of San Luis Obispo” for the words, “made payable to the Director of Transportation” in the first paragraph. The 2nd paragraph is hereby amended by adding the following sentence, “The provisions of the Public Contract Code § 10181 are applicable to this contract.” The first sentence of the last paragraph is hereby amended by substituting the words, “General and Special Provisions” for the words, “Proposal and Contract”. The last sentence of the last paragraph is hereby deleted.

Section 2-1.08, “Withdrawal of Proposals” of the Standard Specifications, is hereby amended by substituting the words, “Office of the Clerk of the Board of Supervisors of the County of San Luis Obispo” for the words, “Office Engineer, Division of Construction” in the first sentence. The last sentence is hereby amended by modifying it to read: “Any bid received at the Office of the Clerk of the Board of Supervisors of the County of San Luis Obispo after the date and

time specified in the Notice to Bidders shall not be considered and shall be returned to the bidder unopened nor may any bid be withdrawn after the time fixed in the public notice for the opening of bids.”

Section 2-1.105, “Previous Disqualification, Removal or Other Prevention of Bidding”, of the Standard Specifications, is hereby amended by deleting the first paragraph.

Section 2-1.108, “Compliance with Orders of the National Labor Relations Board”, of the Standard Specifications, is hereby amended by modifying the last paragraph to read: “The statement required by said Section 10232 is included in the section titled “Bid Proposal and Forms” of the Contract Documents.”

Section 2-1.11, “Ineligibility to Contract”, of the Standard Specifications is hereby amended by modifying the last paragraph to read: “A form for the statement required by Section 10285.1 is included in the section titled “Bid Proposal and Forms” of the Contract Documents.”

#### 2-1.02 REQUIRED LISTING OF PROPOSED SUBCONTRACTORS

The designated subcontractors listed in the bidder's proposal shall list therein the name and address of all subcontractors to whom the bidder proposes to subcontract portions of the work in an amount in excess of 1/2 of one percent of the total bid, or in the case of bids for the construction of streets and highways, including bridges, in excess of 1/2 of the one percent 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 said Act related to the imposition of penalties for a failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.

The “DESIGNATION OF SUBCONTRACTORS” form for the designation of subcontractors, as required herein, is included in the section titled “Bid Proposal and Forms” of the Contract Documents and shall be completely filled out, signed by the bidder, and submitted with the bid proposal.

## **SECTION 3. AWARD AND EXECUTION OF CONTRACT**

### **3-1.01 AWARD OF CONTRACT**

Attention is directed to the provisions of Section 3, "Award and Execution of Contract," of the Standard Specifications and these Special Provisions for the requirements and conditions concerning award and execution of the contract.

The award of contract, if it be awarded, will be to the lowest responsible bidder whose proposal complies with all of the requirements prescribed. Such award, if made, will be made within 45 calendar days after the opening of proposals.

If the lowest responsible bidder refuses or fails to execute the contract, the Board of Supervisors of the County of San Luis Obispo may award the contract to the second lowest responsible bidder. Such award, if made, will be made within 75 calendar days after the opening of proposals. If the second lowest responsible bidder refuses or fails to execute the contract, the Board of Supervisors of the County of San Luis Obispo may award the contract to the third lowest responsible bidder. Such award, if made, will be made within 105 calendar days after the opening of 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 County of San Luis Obispo and the bidder concerned.

### **3-1.02 CONTRACT BONDS**

The successful bidder shall furnish two (2) bonds:

1. The Payment bond to secure the claim payments of laborers, workers, mechanics, or materialmen providing goods, labor, or services under the contract. This bond shall be equal to one hundred percent (100%) of the total contract bid.
2. The Performance bond to guarantee the faithful performance of the contract. This bond shall be equal to one hundred percent (100%) of the total contract bid.

Forms for the two (2) required bonds are included in the section titled "Bid Proposal and Forms" of the Contract Documents.

Surety on said bonds must agree that death of the Contractor shall not relieve the surety of its obligation hereunder. The said surety, for the value received, must stipulate and agree that all alterations, extension of time, extra and additional work, and other changes authorized by these Specifications or any part of the contract may be made without securing consent of the surety on the contract bonds, and such actions shall not in any way affect the obligations of the surety on the bonds.

Attention is directed to the provisions in Section 6-1.075, "Guarantee," of the

Amendments to the Standard Specifications.

3-1.03 EXECUTION OF CONTRACT

The contract shall be signed by the successful bidder and returned, together with the contract bonds, copy of insurance policies, and Certificates of Insurance, with documents to verify any self insurance coverage within ten (10) calendar days, not including Saturdays, Sundays, and legal holidays, after the bidder has received the contract for execution.

The contract shall not be deemed executed by the successful bidder unless all of the above documents are received by the County with the signed contract within said time period. The bidder's security may be forfeited for failure to execute the contract within the time specified.

## **SECTION 4. PROSECUTION AND PROGRESS OF THE WORK**

### **4-1.01 GENERAL**

Attention is directed to the provisions in Section 8, "Prosecution and Progress," of the Standard Specifications and these Special Provisions.

The Contractor shall begin work within ten (10) working days from the date of receipt of the County's "Notice to Proceed."

This work shall be diligently prosecuted to completion before the expiration of 35 WORKING DAYS from the date of receipt of the County's "Notice to Proceed." The Contractor shall not begin work in advance of receiving the County's "Notice to Proceed."

### **4-1.02 LIQUIDATED DAMAGES**

Attention is directed to Section 8-1.07, "Liquidated Damages," of the Standard Specifications and these Special Provisions.

It is agreed by the parties to the contract that in the case all the work called for under the contract in all parts and requirements is not finished or completed within the number of working days as set forth in these Special Provisions, damage will be sustained by the County of San Luis Obispo, and that it is and will be impractical and extremely difficult to ascertain and determine the actual damage which the County will sustain in the event of and by reason of such delay; and it is therefore agreed that the Contractor will pay to the County of San Luis Obispo the sum of TWO THOUSAND DOLLARS (\$2,000) per day for each and every calendar days delay in finishing the work in excess of the number of working days prescribed above as liquidated and agreed damages; and the Contractor agrees to pay said liquidated damages herein provided for, and further agrees that the County may deduct the amount thereof from any moneys due or that may become due the Contractor under the contract.

The language in Sections 10253 through 10260 of the Public Contract Code are incorporated herein by reference as though fully set forth herein (with the word "Director" therein construed to mean the Public Works Director); provided, however, that prequalification of bidders shall not be required, and any references in said sections to prequalification of bidders are hereby deleted.

### **4-1.03 CONTRACT SUBMITTALS**

The Contractor shall submit the following to the Engineer within ten (10) calendar days, not including Saturdays, Sundays, and legal holidays, of the Contractor's receipt of the fully executed contract:

- Storm Water Pollution Prevention Plan – 3 copies
- Recycling Plan

- Proposed Progress Schedule
- Identity of Project Safety Officer

The Contractor shall allow ten (10) days, not including Saturdays, Sundays, and legal holidays, for the Engineer's review. The Contractor shall revise and resubmit the submittal within 5 days, not including Saturdays, Sundays, and legal holidays, of receipt of the Engineer's comments. No claim will be allowed for damages or extensions of time because of delays in work resulting from rejection of the submittals or from revisions and resubmittal of the submittals. The number of working days within which the Contractor must complete the work under this contract shall be reduced by 1 working day for each day the Contractor fails to submit or resubmit the required submittal to the Engineer within the prescribed time allowances.

The Engineer's review and approval shall not waive any contract requirements and shall not relieve the Contractor from complying with Federal, State and local laws, regulations, and requirements. No claim will be allowed for damages or extensions of time because of delays in work resulting from any documents submitted by Contractor to any federal, state, or local agency that are determined by such agency to be incomplete or not in compliance with any applicable laws, regulations or requirements.

#### 4-1.04 MANDATORY PRE-CONSTRUCTION CONFERENCE

Prior to the issuance of the "Notice to Proceed" a mandatory pre-construction conference will be held at the office of the Construction 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 representatives at this conference shall include major superintendents and shall include major subcontractors' representatives. So long as the County provides the Contractor at least 5 calendar days advance notice of the date and time of said conference. The number of working days within which the Contractor must complete the work under this contract shall be reduced by 1 working day for each day said conference is delayed by the Contractor's failure to attend the conference with the appropriate representatives.

A written record of attendance and items discussed will be made by the Engineer and a copy of the record kept in the Engineer's files. If for any reason a pre-construction conference is not held the Engineer will notify the Contractor in writing.

## **SECTION 5. GENERAL AND MISCELLANEOUS**

### **5-1.01 DEFINITIONS AND TERMS**

Attention is directed to the provisions in Section 1, “Definitions and Terms,” of the Standard Specifications with the modifications as set forth hereafter.

Section 1-1.13, “Department,” of the Standard Specifications is hereby amended to read: “The County of San Luis Obispo acting by and through its Department of Public Works and Transportation.”

Section 1-1.15, “Director,” of the Standard Specifications is hereby amended to read: “The Director of the Department of Public Works and Transportation of the County of San Luis Obispo.”

Section 1-1.18, “Engineer,” of the Standard Specifications is hereby amended to read: “Any duly authorized representative either employed by or contracting with the Department of Public Works and Transportation acting within the scope of the particular duties delegated to them.”

Section 1-1.19, “Engineer’s Estimate,” of the Standard Specifications is hereby amended to read: “The contract bid form indicating the approximate quantities of work to be performed as contained in the Bid Proposal.”

Section 1-1.26, “Liquidated Damages,” of the Standard Specifications is hereby amended to read: “The amount prescribed in Section 4, “Prosecution and Progress of the Work,” of the Special Provisions pursuant to Government Code Section 53069.85 to be paid to the County, or to be deducted from any payments due, or to become due, the Contractor for each day’s delay in completing the whole or any specified portion of work beyond the time allowed in the Contract Documents.”

Section 1-1.39, “State,” of the Standard Specifications is hereby amended to read: “The State of California and its political subdivision, the County of San Luis Obispo.”

Section 1-1.40, “State Contract Act,” of the Standard Specifications is hereby amended to read: “Only those sections or provisions of Chapter 1 of Part 2 of Division 2 of the Public Contract Code (Section 10100 et seq.) which are specifically incorporated into this contract are applicable to this contract. All other sections and provisions of Chapter 1 of Part 2 of Division 2 of the Public Contract Code are not applicable to this contract and do not constitute a part hereof.”

### **5-1.02 SCOPE OF WORK**

Attention is directed to the provisions in Section 4, “Scope of Work,” of the Standard Specifications with the modifications as set forth hereafter.

Section 4-1.03B(1), "Increases of More Than 25 Percent," of the Standard Specifications is amended by adding the following sentence to the last paragraph: "Additionally, such written request by the Contractor shall be accompanied by adequate, detailed data to support actual costs incurred."

Section 4-1.03B(2), "Decreases of More Than 25 Percent," of the Standard Specifications is hereby amended by modifying the first sentence of the first paragraph to read: "Should the total pay quantity of any item of work required under the contract be less than 75 percent of the Engineer's Estimate therefor, the Engineer may reserve the right to make no adjustment in the corresponding unit price for that item if he/she so elects, except that an adjustment in compensation pursuant to this Section will be made if requested in writing by the Contractor. Additionally, such written request by the Contractor shall be accompanied by adequate, detailed data to support actual costs incurred."

Section 4-1.03D, "Extra Work," of the Standard Specifications is hereby amended by adding the following sentences to the 2nd paragraph: "All extra work shall be reported daily by the Contractor upon forms furnished by the Engineer, signed by both parties at the conclusion of each workday. Said daily extra work reports shall thereafter be considered the true record of the extra work performed and shall become the basis of payment therefor."

#### 5-1.03 CONTROL OF WORK

Attention is directed to Section 5, "Control of Work," of the Standard Specifications with the modifications as set forth hereafter.

Section 5-1.07, "Lines and Grades," of the Standard Specifications is hereby amended to read: "Stakes or marks will be set by the Engineer as the Engineer determines to be necessary to establish the lines and grades required for the completion of the work specified in these specifications, on the plans, and in the Special Provisions.

When the Contractor requests stakes or marks to be set, the Contractor shall notify the Engineer of the request in writing no less than three (3) working days in advance of starting operations that require their use. The Contractor shall also submit to the Engineer for acceptance, a tentative schedule of all anticipated staking requests for the initial thirty (30) working days of the contract. The Engineer shall determine if the staking request schedule is reasonable before recognizing any requests for stakes or marks to be set. Said schedule shall correlate with any order of work specified in the Contract Special Provisions. If any vegetation needs to be cleared or grubbed, as determined by the Engineer, before stakes or marks can be set, then the Contractor shall clear the obstructing vegetation for the proper placement of stakes or marks. The Engineer and the Contractor shall agree on the extent of vegetation removal necessary to prepare the work site for the setting of stakes or marks. Vegetation removal for the preparation of the work site for the setting of stakes or marks shall be considered as included in the various items of work involved and no additional compensation will be allowed therefor. The Contractor will not be entitled to any

compensation for any perceived delay, nor entitled to an extension of time for any perceived delay without due cause for the period between when the work site is deemed cleared by the Engineer and when the stakes or marks are set for use by the Contractor.

Stakes and marks set by the Engineer shall be carefully preserved by the Contractor. In case the stakes and marks are destroyed or damaged, the stakes and marks will be replaced or restored at the Engineer's earliest convenience. The Contractor will be charged \$875.00 for each stake or mark replaced or restored which in the judgment of the Engineer had been carelessly or willfully destroyed or damaged by the Contractor's operations. This charge will be deducted from any moneys due or to become due the Contractor.”

Section 5-1.116, “Differing Site Conditions,” of the Amendments to the Standard Specifications is hereby amended by including the following language from Section 7104 of the Public Contract Code: “7104. Any public works contract of a local public entity which involves digging trenches or other excavations that extend deeper than four feet below the surface shall contain a clause which provides the following: (a) That the contractor shall promptly, and before the following conditions are disturbed, notify the public entity, in writing, of any: (1) Material that the contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law. (2) Subsurface or latent physical conditions at the site differing from those indicated. (3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract. (b) That the public entity shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the contractor's cost of, or the time required for, performance of any part of the work shall issue a change order under the procedures described in the contract. (c) That, in the event that a dispute arises between the public entity and the contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the contractor's cost of, or time required for, performance of any part of the work, the contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. The contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the contracting parties.”

#### 5-1.04 PREVAILING WAGE

Attention is directed to the provisions in Section 7-1.01A(2), “Prevailing Wage,” of the Standard Specifications and these Special Provisions.

Pursuant to the provisions of Section 1773 of the California Labor Code, the Board of Supervisors of the County of San Luis Obispo has obtained from the Director of the California Department of Industrial Relations the general

prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work for the locality in which the work is to be performed for each needed craft, classification, or type of workman. Copies of said prevailing rate of per diem wages are on file in the Office of the Clerk of the Board of Supervisors and available at the California Department of Industrial Relations' web site at:

[www.dir.ca.gov/DLSR/PWD](http://www.dir.ca.gov/DLSR/PWD).

The wage rates determined by the Director of Industrial Relations refer to expiration dates. Prevailing wage determinations with a single asterisk after the expiration date are in effect on the date of advertisement for bids and are good for the life of the contract. Prevailing wage determinations with double asterisks after the expiration date indicate that the wage rate to be paid for work performed after this date has been determined. If work is to extend past this date, the new rate shall be paid and incorporated in the contract. The Contractor shall contact the Department of Industrial Relations as indicated in the wage rate determinations to obtain predetermined wage changes.

Pursuant to Section 1773.2 of the Labor Code, a copy of said general prevailing rates shall be posted by the Contractor in a prominent place at the site of the work.

Additionally, the Director of Industrial Relations has reserved the right to issue corrected wage determinations for certain crafts contained in the prevailing wage determinations applicable to this contract. These corrected prevailing wage rates shall apply to this contract in the same manner as if they had been published in the prevailing wage determinations applicable to this contract. These revisions to the general prevailing wage rates are on file at the Office of the Clerk of the Board of Supervisors and available at the California Department of Industrial Relations' web site at:

[www.dir.ca.gov/DLSR/PWD](http://www.dir.ca.gov/DLSR/PWD).

Additionally, changes in general prevailing wage determinations which conform to Labor Code Section 1773.6 and Title 8 California Code of Regulations Section 16204 shall apply to the contract when issued by the Director of Industrial Relations at least ten (10) calendar days prior to the date of the Notice to Bidders for the project. Changes, if any, to the general prevailing wage rate will be on file at the Office of the Clerk of the Board of Supervisors and available at the California Department of Industrial Relations' web site at:

[www.dir.ca.gov/DLSR/PWD](http://www.dir.ca.gov/DLSR/PWD).

#### 5-1.05 PROGRESS SCHEDULE

Progress schedules will be required for this contract and shall conform to the provisions in Section 8-1.04, "Progress Schedules," of the Standard Specifications.

The Contractor shall submit to the Engineer a practicable progress schedule in conformance with the provisions in Section 4-1.03, "Contract Submittals," of these Special Provisions, and within 5 working days of the Engineer's written request at any other time.

5-1.06 PRESERVATION OF PROPERTY

Attention is directed to the provisions in Section 7-1.11, "Preservation of Property," of the Standard Specifications is hereby amended by adding the following to the end of the second paragraph: "Pursuant to Section 8771(b) of the California Business and Professions Code, existing survey monuments that control the location of subdivisions, tracts, boundaries, roads, streets, or highways, or provide survey control that are within or adjacent to the Contractor's operations, shall be located and referenced by or under the direction of a licensed land surveyor or registered civil engineer prior to the time when any streets, highways, other rights-of-way, or easements are improved, constructed, reconstructed, maintained, resurfaced, or relocated. In the event that any existing survey monument is disturbed in any way by the Contractor's operations as determined by a licensed land surveyor or registered civil engineer, they shall be reset accordingly and a corner record shall be filed with the county surveyor prior to the recording of a certificate of completion for the project. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in locating existing survey monuments by or under the direction of a licensed land surveyor or registered civil engineer, resetting any disturbed survey monument and filing a corner record, shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefor."

5-1.07 MEASUREMENT AND PAYMENT

Attention is directed to the provisions in Section 9, "Measurement and Payment," of the Standard Specifications with the modifications as set forth hereafter.

The 13th paragraph of Section 9-1.01, "Measurement of Quantities," of the Standard Specifications shall be amended to read as follows: "Whenever pay quantities of materials are determined by weighing, the scales shall be operated by a weighmaster licensed in accordance with provisions of the California business and Professions Code, Division 5, Chapter 7. The contractor shall furnish a Public Weighmaster's certificate, or a private Weighmaster's certificate (load slip) with each load and a Daily Record of Platform Scale Weights. The Weighmaster's certificates shall be numbered consecutively to correspond with the Daily Record of Platform Scale Weights. The Daily Record of Platform Scale Weights shall be prepared using a form supplied by the County and shall be delivered to the Engineer at the end of each day. Contractor shall provide the County sufficient advance notice so as to enable a representative of the County to be present to witness the Weighing and check the Daily Record of Platform Scale Weights."

Section 9-1.04, "Notice of Potential Claim," of the Standard Specifications is hereby amended by adding the following: "Additionally, the written notice of potential claim shall be submitted on Caltrans form CEM-6201 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 working 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 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.

Should the Contractor, in conjunction with or subsequent to the assertion of a potential claim, request inspection and copying of documents or records in the possession of the County that pertain to the potential claim, the Contractor shall make its records of the project, as deemed by the County to be pertinent to the potential claim, available to the County for inspection and copying."

Section 9-1.05, "Stop Notices," of the Standard Specifications is hereby amended by adding the following statement: "Stop notice information may be obtained from the Department of Public Works and Transportation."

Section 9-1.06, "Partial Payments," of the Standard Specifications is hereby amended by modifying the third paragraph to read: "In accordance with PUBLIC CONTRACT CODE SECTION 7201, the retention proceeds withheld from payment shall not exceed 5 percent of the payment."

Section 9-1.06, "Partial Payments," of the Standard Specifications is hereby amended by adding the following statement: "The Contractor will be required to certify each progress pay estimate. The certification will include the following Contractor Verification: Contractor has carefully reviewed this entire document and hereby attests that the quantities and amounts stated herein accurately represent the total work that has been performed, and materials that have been provided, under this Contract, and that all such work and materials are in compliance with the Contract Documents."

Section 9-1.065, "Payment of Withheld Funds," of the Standard Specifications is hereby amended to read: "Attention is directed to Section 9-1.06, "Partial Payments," of the Standard Specifications, to these Special Provisions and in particular to the retention provisions therein.

Upon the Contractor's request, the County will make payment to the Contractor of funds withheld to ensure performance of this contract if the Contractor, in accordance with Public Contract Code Section 22300, deposits in escrow with the County, or with a state or federally chartered bank in California securities

equivalent to the amount withheld. Securities eligible for investment under this section shall include bank or savings and loan certificates of deposit, the securities enumerated in Government Code Section 16430, interest bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by the Contractor and the County. Upon satisfactory completion of the contract, the securities shall be returned to the Contractor. Alternatively, the Contractor may request that the County make payment of retention earned directly to the escrow agent as provided in subdivision (b) of Section 22300 of the Public Contract Code.

Each of the following conditions shall apply to the deposit of securities into escrow:

- (a) The Contractor shall bear the expense of the County and the escrow agent (either the County or the bank) in connection with the escrow deposit made.
- (b) Securities or certificates of deposit to be placed in escrow shall be of a value at least equivalent to the amounts of retention to be paid to the Contractor pursuant to this section.
- (c) The value of any securities placed in escrow shall be based upon the market value of such securities as of the date the securities are deposited in escrow, and not upon the face value of the securities. Such securities shall be valued by the County, whose decision on valuation of the securities shall be final.
- (d) The escrow agreement shall provide that the escrow agent must convert the securities deposited therein for cash, in whole or in part, to meet the defaults by the Contractor upon a unilateral demand for such conversion by the Public Works Director, and further that any amount so demanded shall be paid to the County upon said unilateral demand for payment.
- (e) The Contractor shall be the beneficial owner of any securities substituted for moneys withheld and shall receive any interest thereon.
- (f) The Contractor shall enter into an escrow agreement satisfactory to the County, which agreement shall be substantially similar to the form set forth in Public Contract Code Section 22300. The Contractor shall obtain the written consent of the surety to such agreement. The Public Works Director is authorized to sign such escrow agreements on behalf of the County.

Section 9-1.07B, "Final Payments and Claims," of the Standard Specifications is hereby amended by deleting the introductory phrase "After acceptance by the Director," and inserting in its place the phrase: "After the Engineer makes a formal recommendation to the Director that the Public Works Department initiates the internal procedures that would allow the Board to accept the work at a future Board meeting,"

5-1.08 DETERMINATION OF DISPUTES

Public Contract Code Sections 10240 through 10245.4 shall not be applicable to this contract. Section 9-1.10, "Arbitration," of the Standard Specifications is hereby deleted. All disputes and claims arising under or by virtue of this contract shall be directed to and be determined by the Public Works Director. The Public Works Director's determination of disputes and claims pursuant to these Special Provisions shall constitute the decision of the County.

The parties agree that to the extent Article 1.5 of the Public Contract Code (Public Contract Code Section 20104 et seq) is applicable to any claims made under this contract, nothing in Article 1.5 excuses Contractor's compliance with the claim procedures set forth in the Standard Specifications (as amended by these Contract Documents). Nothing in Article 1.5 extends the time limit or supercedes the notice requirements set forth in the Standard Specifications (as amended by these Contract Documents). The parties mutually agree that all information required of the Contractor under said Standard Specifications (as amended by these Contract Documents) is hereby incorporated into the requirements of Article 1.5.

Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3 of Division 2 of the Public Contract Code provides as follows:

Article 1.5 Resolution of Construction Claims

20104. (a) (1) This article applies to all public works claims of three hundred seventy-five thousand dollars (\$375,000) or less which arise between a contractor and a local agency. (2) This article shall not apply to any claims resulting from a contract between a contractor and a public agency when the public agency has elected to resolve any disputes pursuant to Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2.

(b) (1) "Public work" has the same meaning as in Sections 3100 and 3106 of the Civil Code, except that "public work" does not include any work or improvement contracted for by the state or the Regents of the University of California. (2) "Claim" means a separate demand by the Contractor for (A) a time extension, (B) payment of money or damages arising from work done by, or on behalf of, the Contractor pursuant to the contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the local agency.

(c) The provisions of this article or a summary thereof shall be set forth in the plans or specifications for any work which may give rise to a claim under this article.

(d) This article applies only to contracts entered into on or after January 1, 1991.

20104.2. For any claim subject to this article, the following requirements apply:

(a) The claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims.

(b) (1) For claims of less than fifty thousand dollars (\$50,000), the local agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant. (2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant. (3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

(c) (1) For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the local agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant. (2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant. (3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further documentation, or within a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.

(d) If the claimant disputes the local agency's written response, or the local agency fails to respond within the time prescribed, the claimant may so notify the local agency, in writing, either within 15 days of receipt of the local agency's response or within 15 days of the local agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the local agency shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(e) Following the meet and confer conference, if the claim or any portion remains in dispute, the claimant may file a claim as provided in 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. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim

pursuant to subdivision (a) until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

(f) This article does not apply to tort claims and nothing in this article is intended nor shall be construed to change the time periods for filing tort claims or actions specified by 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.

20104.4. The following procedures are established for all civil actions filed to resolve claims subject to this article:

(a) Within 60 days, but no earlier than 30 days, following the filing or responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide for the selection within 15 days by both parties of a disinterested third person as mediator, shall be commenced within 30 days of the submittal, and shall be concluded within 15 days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court or by stipulation of both parties. If the parties fail to select a mediator within the 15-day period, any party may petition the court to appoint the mediator.

(b) (1) If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1141.11 of that code. The Civil Discovery Act of 1986 (Article 3 (commencing with Section 2016) of Chapter 3 of Title 3 of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration. (2) Notwithstanding any other provision of law, upon stipulation of the parties, arbitrators appointed for purposes of this article shall be experienced in construction law, and, upon stipulation of the parties, mediators, and arbitrators shall be paid necessary and reasonable hourly rates of pay not to exceed their customary rate, and such fees and expenses shall be paid equally by the parties, except in the case of arbitration where the arbitrator, for good cause, determines a different division. In no event shall these fees or expenses be paid by state or county funds. (3) In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, any party who after receiving an arbitration award requests a trial de novo but does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, pay the attorney's fees of the other party arising out of the trial de novo.

(c) The court may, upon request by any party, order any witnesses to participate in the mediation or arbitration process.

20104.6. (a) No local agency shall fail to pay money as to any portion of a claim which is undisputed except as otherwise provided in the contract.

(b) In any suit filed under Section 20104.4, the local agency shall pay interest at the legal rate on any arbitration award or judgment. The interest shall begin to accrue on the date the suit is filed in a court of law.

5-1.09 AUDIT OF RECORDS

The Contractor shall maintain and make available for examination and audit by the State Auditor General and/or duly authorized representatives of the State, County, or Federal Governments, all books, papers, accounting records, and other documents pertaining to the cost and performance of this contract.

The Contractor shall retain said books, papers, accounting records, and other documents for a period of three years after the date of final payment under this contract (Government Code Section 8546.7).

5-1.10 CONTRACTOR'S REPORTS

The Contractor shall complete a daily report indicating location worked, total manpower per construction trade for each task, major equipment on site, each subcontractor's manpower and equipment, weather conditions, and other related information involved in the performance of the work. The daily report shall be completed on forms furnished by the Engineer and shall be submitted to the Engineer at the conclusion of each workday. The report shall comment on the daily progress and status of the work within each major component of the work.

5-1.11 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. The Contractor shall immediately cease work in the affected area and report the condition to the Engineer in writing.

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

If delay of work in the area delays the current controlling operation, the delay will be considered a right of way delay and the Contractor will be compensated for the delay in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

5-1.12 SUBCONTRACTING

No subcontract releases the Contractor from the contract or relieves the Contractor of their responsibility for a subcontractor's work.

If the Contractor violates Public Contract Code §4100 et seq., the County may exercise the remedies provided under violates Public Contract Code §4100. The County may refer the violation to the Contractors State License Board as provided under Public Contract Code §4111.

The Contractor shall perform work equaling at least 30 percent of the value of the original total bid with the Contractor's own employees and equipment, owned or rented, with or without operators.

Each subcontract shall comply with the contract.

Each subcontractor shall have an active and valid State contractor's license with a classification appropriate for the work to be performed (Business and Professions Code, §7000 et seq.).

The Contractor shall submit copies of subcontracts upon request by the Engineer.

The Contractor shall submit a Subcontracting Request form prior to commencement of that portion of the work.

The Contractor shall not use a debarred subcontractor. 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 Department of Industrial Relations web site at:

<http://www.dir.ca.gov/DLSE/Debar.html>.

Upon request by the Engineer, the Contractor shall immediately remove and not again use a subcontractor who fails to prosecute the work satisfactorily.

5-1.13 CONSTRUCTION SUBMITTALS

Construction project submittals, including shop drawings and manufacturer's product specifications, shall be supplied for all material, equipment items, and for other items of work required by its contract documents. The Contractor shall supply 5 copies of manufacturer's scaled, dimensioned shop drawings complete with all information required to describe the item and demonstrate compliance with contract drawings and these specifications. Submittals will only be accepted from the Contractor (not sub-contractor or material supplier). Neither fabrication nor onsite preparation shall be started before receipt of written review from the County.

Each submittal shall be sequentially numbered, dated, and appropriately titled with the specification number and description.

The Contractor's responsibility for errors, omissions, and deviations from the requirements of the contract documents in submittals is not relieved by the County's review. The Contractor shall be responsible for confirming and correlating all quantities and dimensions, the compatibility of different components, selecting fabrication processes and techniques of construction, coordinating its work with that of other trades or other contractors at the site, and performing its work in a safe and satisfactory manner. The County will require 10 working days for submittal review. No claim will be allowed for damages or extensions of time because of delays in work resulting from rejection of material or from revisions and resubmittal of shop drawings, project data, or samples.

Resubmittals will be reviewed and returned in the same review period as the original submittals. It is considered reasonable that the Contractor shall make a complete and acceptable submittal by the second submission. The Engineer reserves that right to withhold monies due to the Contractor to cover additional costs of any review beyond the second submittal. Full compensation for preparing submittals and shop drawings, as required, shall be considered as included in the contract items of work involved and no additional compensation will be allowed therefor.

#### 5-1.14 MEANS AND METHODS

The Engineer will not have control over, be in charge of, nor be responsible for construction means, methods, techniques, sequences, or procedures, or for the safety precautions and programs in connection with the work, since these are solely Contractor's responsibility, unless otherwise required by the Contract Documents.

#### 5-1.15 LEGAL ADDRESS OF THE CONTRACTOR

Both the address given in the proposal and the Contractor's office in the vicinity of the work are hereby designated as places to either of which drawings, letters, notices, or other articles or communications to the Contractor may be mailed, transmitted electronically, or delivered. The mailing, electronic transmission, or delivery at either of these places shall be deemed sufficient notice thereof upon the Contractor.

Nothing herein contained shall be deemed to preclude the service of any drawing, letter, notice, article, or communication to, or upon, the Contractor or Contractor's representative personally. The address named in the proposal may be changed at any time by written notice from the Contractor to the Engineer.

#### 5-1.16 WEEKLY PROGRESS MEETINGS

Weekly meetings shall be held at the project site to review the progress of the work and to discuss any problems which may have occurred. Meeting shall include the Engineer, inspectors, and the Contractor's foreman. The Contractor shall provide an updated schedule at the weekly meeting.

Full compensation for preparing updated schedules and attending the progress meetings, as required, shall be considered as included in the contract items of work involved and no additional compensation will be allowed therefor.

5-1.17 GOVERNMENT CODE CLAIM REQUIREMENTS

Nothing in these Contract Documents shall excuse a Contractor from fully complying with the requirements of Part 3 of division 3.6 of Title 1 of the Government Code (commencing with section 900). Said requirements must be complied with before filing any claim in any court of law, and are in addition to the other claims procedures set forth in the Contract Documents shall be considered a substitute or alternative procedure for complying with the requirements of Part 3 of Division 3.6 of Title 1 of the Government Code (commencing with section 900.)

5-1.18 SURFACE MINING AND RECLAMATION ACT

Imported borrow or aggregate material must come from a surface mine permitted under the Surface Mining and Reclamation Act of 1975 (SMARA), Pub Res Code § 2710, et seq., or from an exempt site.

The Department of Conservation, Office of Mine Reclamation maintains a list of permitted mine sites. For the list of permitted sites, go to:

[http://www.conservation.ca.gov/omr/ab\\_3098\\_list](http://www.conservation.ca.gov/omr/ab_3098_list)

If Contractor obtains import borrow or aggregate material from a surface mine not on this list, Contractor shall submit written proof the mine is exempt from SMARA to the Engineer.

5-1.19 SUPPLEMENTAL WORK PAYMENTS

Certain extra work to be performed on this project has been designated in the bid proposal as a contract item of work. For bidding purposes, the Contractor shall deem the amount set forth in the “Total Amount” column for the designated item as the maximum amount allotted for said item of extra work.

The County reserves the right to increase, decrease or entirely eliminate any supplemental work item in this contract without penalty. Notwithstanding any other provision to the contrary (including but not limited to section 4-1.03B(3) of the Standard Specifications), the Contractor has no right to receive any payment(s) for Supplemental Work that is decreased or entirely eliminated by the County.

5-1.20 SOLID WASTE MANAGEMENT

For the purpose of complying with San Luis Obispo County Code, Title 8, Health and Sanitation, Chapter 8.12, “Solid Waste Management,” the Contractor shall recycle at least 50% of the construction and demolition waste generated by the project.

The following is a list of IWMA-Certified Recycling Facilities:

C&D Recycling Facility at Cold Canyon Landfill	805-549-8332
C&D Recycling Facility at Chicago Grade Landfill	805-466-2985
North SLO County Recycling	805-434-0043
API (roll-off/debris box company)	805-928-8689
R&R (a roll-off/debris box company)	805-929-8000
Recycling Facility at the Paso Robles Landfill	805-238-2028
Santa Maria Transfer Station	805-922-9255
Bedford Enterprises/SMART	805-922-4977

The Contractor shall complete and sign the “RECYCLING PLAN” form in conformance with the provisions in Section 4-1.03, “Contract Submittals,” of these Special Provisions. This form must be submitted and approved prior to receiving the Notice to Proceed.

This form must show how at least 50% of the project construction and demolition waste will be recycled.

The Contractor shall maintain receipts or other documentation for any facility or site that received waste from the project.

The Contractor shall submit a complete and accurate “DISPOSAL REPORT” form with original receipts and supporting documentation. This form must be submitted and approved prior to receiving the Notice of Completion.

If the Contractor fails to submit the required information showing the 50% recycling goal was met, the County could impose a penalty equal to 2 percent of the total contract amount.

Full compensation for complying with these requirements shall be considered as included in the prices paid for the various items of work generating such construction and demolition waste and no additional compensation will be allowed therefor.

The following are copies of the “RECYCLING PLAN” and “DISPOSAL REPORT” forms:



## RECYCLING PLAN FOR COUNTY PROJECTS

<b>SECTION 1. PROJECT INFORMATION</b>					
Contract Title		Contractor Name			
		Contractor Phone		Contractor Fax	
Contract Number		Street Address			
Total Contract Amount		City, State, Zip			
Print Name and Title			Signature		Date
<b>SECTION 2. RECYCLING PLAN</b>					
<b>Before Construction (estimated tons)</b>					
	Landfill	Recycling Facility		Reuse	
<b>Materials</b>	(Tons)	(Tons)	Location	(Tons)	Location
Cleared Vegetation					
Asphalt Concrete					
Concrete					
Metals (including spent equipment)					
Lumber					
Drywall					
Mixed Recyclables					
Trash					
<b>Totals</b>					
<b>% Diversion</b>					
<b>Official Use Only</b>					
Recycling Plan Approved <input type="checkbox"/>			Recycling Plan Denied <input type="checkbox"/>		
Information Required:					
Print Name and Title			Signature		Date

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**DISPOSAL REPORT FOR COUNTY PROJECTS**

**SECTION 1. PROJECT INFORMATION**

Contract Title	Contractor Name		
	Contractor Phone	Contractor Fax	
Contract Number	Street Address		
Total Contract Amount	City, State, Zip		

**Contractor Certification: I certify under penalty of perjury that the information provided in this form is complete and accurate.**

Print Name and Title	Signature	Date
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**SECTION 2. DISPOSAL REPORT**

Materials	After Construction (actual tons)				
	Landfill	Recycling Facility		Reuse	
	(Tons)	(Tons)	Location	(Tons)	Location
Cleared Vegetation					
Asphalt Concrete					
Concrete					
Metals (including spent equipment)					
Lumber					
Drywall					
Mixed Recyclables					
Trash					
<b>Totals</b>					
<b>% Diversion</b>					

**I have reviewed and approved the information submitted in this report for completeness**

Resident Engineer's Name:	Signature:	Date:
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**Official Use Only**

Disposal Report Approved <input type="checkbox"/>	Disposal Report Denied <input type="checkbox"/>
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Information Required

Print Name and Title	Signature	Date
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**SECTION 6. (*BLANK*)**

**SECTION 7. (*BLANK*)**



## SECTION 8. MATERIALS

### 8-1.01 PREQUALIFIED AND TESTED SIGNING AND DELINEATION MATERIALS:

The Department maintains the following list of Prequalified and Tested Signing and Delineation Materials. The Engineer shall not be precluded from sampling and testing products on the list of Prequalified and Tested Signing and Delineation Materials.

The manufacturer of products on the list of Prequalified and Tested Signing and Delineation Materials shall furnish the Engineer a Certificate of Compliance in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications for each type of traffic product supplied.

For those categories of materials included on the list of Prequalified and Tested Signing and Delineation Materials, only those products shown within the listing may be used in the work. Other categories of products, not included on the list of Prequalified and Tested Signing and Delineation Materials, may be used in the work provided they conform to the requirements of the Standard Specifications.

Materials and products may be added to the list of Prequalified and Tested Signing and Delineation Materials if the manufacturer submits a New Product Information Form to the New Product Coordinator at the Transportation Laboratory. Upon a Departmental request for samples, sufficient samples shall be submitted to permit performance of required tests. Approval of materials or products will depend upon compliance with the specifications and tests the Department may elect to perform.

### 8-1.02 PAVEMENT MARKERS, PERMANENT TYPE:

Retroreflective With Abrasion Resistant Surface (ARS)

- A. Apex, Model 921AR (100mm x 100mm) {4inches x 4inches}
- B. Avery Dennison (formerly Stimsonite), Models C88 (100mm x 100mm) {4inches x 4inches}, 911 (100mm x 100mm) {4inches x 4inches} and 953 (70mm x 114mm) {2.75inches x 4.5inches}
- C. Ray-O-Lite, Model "AA" ARS (100mm x 100mm) {4inches x 4inches}
- D. 3M Series 290 (89mm x 100 mm) {3.5inches x 4inches}
- E. 3M Series 290 PSA, with pressure sensitive adhesive pad (89mm x 100mm) {3.5inches x 4inches}

Retroreflective With Abrasion Resistant Surface (ARS)

(for recessed applications only)

- A. Avery Dennison (formerly Stimsonite), Model 948 (58mm x 119mm) {2.3inches x 4.7inches}
- B. Avery Dennison (formerly Stimsonite), Model 944SB (51mm x 100mm) {2inches x 4inches}\*  
\*The asterisk indicates that this product is not listed in the Standard Specifications.
- C. Ray-O-Lite, Model 2002 (58mm x 117mm) {2.3inches x 4.6inches}

- D. Ray-O-Lite, Model 2004 ARS (51mm x 100mm) {2inches x 4inches}\*  
\*For use only in 114mm {4.5inches} wide (older) recessed slots

Non-Reflective, 100mm {4inches}Round

- A. Alpine Products, "D-Dot" and "ANR" (ABS)
- B. Apex Universal (Ceramic)
- C. Apex Universal, Models 929 (ABS) and 929PP (Polypropylene)
- D. Elgin Molded Plastics, "Empco-Lite" Model 900 (ABS)
- E. Glowlite (Ceramic)
- F. Hi-Way Safety, Inc., Models P20-2000W and 2001Y (ABS)
- G. Interstate Sales, "Diamond Back" (ABS) and (Polypropylene)
- H. Novabrite Models Cdot (White) Cdot-y (Yellow), Ceramic
- I. Novabrite Models Adot-w (White) Adot-y (Yellow), (ABS)
- J. Novabrite Models Pdot-w (White) Pdot-y (Yellow), Polypropylene
- K. Road Creations, Model RCB4NR (Acrylic)
- L. Three D Traffic Works TD10000 (ABS), TD10500 (Polypropylene)
- M. Zumar Industries, "Titan TM40A" (ABS)

8-1.03 PAVEMENT MARKERS, TEMPORARY TYPE:

Temporary Markers For Long Term Day/Night Use (6 months or less)

- A. Apex Universal, Model 924 (100mm x 100mm) {4inches x 4inches}
- B. Elgin Molded Plastics, "Empco-Lite" Model 901 (100mm x 100mm){4inches x 4inches}
- C. Road Creations, Model R41C (100mm x 100mm) {4inches x 4inches}
- D. Vega Molded Products "Temporary Road Marker" (75mm x 100 mm) {3inches x 4inches}

Temporary Markers For Short Term Day/Night Use (14 days or less)

(For seal coat or chip seal applications, clear protective covers are required)

- A. Apex Universal, Model 932
- B. Bunzl Extrusion, Models T.O.M., T.R.P.M., and "HH" (High Heat)
- C. Hi-Way Safety, Inc., Model 1280/1281

8-1.04 STRIPING AND PAVEMENT MARKING MATERIAL:

Permanent Traffic Striping and Pavement Marking Tape

- A. Advanced Traffic Marking, Series 300 and 400
- B. Brite-Line, Series 1000
- C. Brite-Line, "DeltaLine XRP"
- D. Swarco Industries, "Director 35" (For transverse application only)
- E. Swarco Industries, "Director 60"
- F. 3M, "Stamark" Series 380 and 5730
- G. 3M, "Stamark" Series 420 (For transverse application only)

Temporary (Removable) Striping and Pavement Marking Tape (6 months or less)

- A. Advanced Traffic Marking, Series 200
- B. Brite-Line, Series 100
- C. Garlock Rubber Technologies, Series 2000
- D. P.B. Laminations, Aztec, Grade 102
- E. Swarco Industries, "Director-2"
- F. Trelleborg Industri, R140 Series
- G. 3M, Series 620 "CR", and Series A750
- H. 3M, Series A145, Removable Black Line Mask  
(Black Tape: for use only on Asphalt Concrete Surfaces)
- I. Advanced Traffic Marking Black "Hide-A-Line"  
(Black Tape: for use only on Asphalt Concrete Surfaces)
- J. Brite-Line "BTR" Black Removable Tape  
(Black Tape: for use only on Asphalt Concrete Surfaces)
- K. Trelleborg Industri, RB-140  
(Black Tape: for use only on Asphalt Concrete Surfaces)

Preformed Thermoplastic (Heated in place)

- A. Avery Dennison, "Hotape"
- B. Flint Trading, "Premark," "Premark 20/20 Flex," and "Premark 20/20 Flex Plus"

Ceramic Surfacing Laminate, 150 mm x 150 mm {6inches x 6inches}

- A. Safeline Industries/Highway Ceramics, Inc.

CLASS 1 DELINEATORS

One Piece Driveable Flexible Type, 1700 mm {66inches}

- A. Bunzl Extrusion, "Flexi-Guide Models 400 and 566"
- B. Carsonite, Curve-Flex CFRM-400
- C. Carsonite, Roadmarker CRM-375
- D. FlexStake, Model 654 TM
- E. GreenLine Models HWD1-66 and CGD1-66
- F. J. Miller Industries, Model JMI-375 (with soil anchor)

Special Use Type, 1700 mm {66 inches}

- A. Bunzl Extrusion, Model FG 560 (with 450 mm {18inches} U-Channel base)
- B. Carsonite, "Survivor" (with 450 mm {18inches} U-Channel base)
- C. Carsonite, Roadmarker CRM-375 (with 450 mm {18inches} U-Channel base)
- D. FlexStake, Model 604
- E. GreenLine Models HWDU and CGD (with 450mm {18inches} U-Channel base)
- F. Impact Recovery Model D36, with #105 Driveable Base
- G. Safe-Hit with 200 mm {8inches} pavement anchor (SH248-GP1)

- H. Safe-Hit with 380 mm {15inches} soil anchor (SH248-GP2) and with 450 mm {18inches}soil anchor (SH248-GP3)

Surface Mount Type, 1200mm {48inches}

- A. Bent Manufacturing Company, Masterflex Model MF-180EX-48
- B. Carsonite, "Super Duck II"
- C. FlexStake, Surface Mount, Models 704 and 754 TM
- D. Impact Recovery Model D48, with #101 Fixed (Surface-Mount) Base
- E. Three D Traffic Works "Channelflex" ID No. 522248W

CHANNELIZERS

Surface Mount Type, 900mm {36inches}

- A. Bent Manufacturing Company, Masterflex Models MF-360-36 (Round) and MF-180-36 (Flat)
- B. Bunzl Extrusion, Flexi-Guide Models FG300LD and FG300UR
- C. Carsonite, "Super Duck" (Flat SDF-436, Round SDR-336)
- D. Carsonite, "Super Duck II" Model SDCF203601MB "The Channelizer"
- E. FlexStake, Surface Mount, Models 703 and 753 TM
- F. GreenLine, Model SMD-36
- G. Hi-Way Safety, Inc. "Channel Guide Channelizer" Model CGC36
- H. Impact Recovery Model D36, with #101 Fixed (Surface-Mount) Base
- I. Repo, Models 300 and 400
- J. Safe-Hit, Guide Post, Model SH236SMA
- K. The Line Connection, "Dura-Post" Model DP36-3 (Permanent)
- L. The Line Connection, "Dura-Post" Model DP36-3C (Temporary)
- M. Three D Traffic Works "Channelflex" ID No. 522053W

Lane Separation System

- A. Bunzl "Flexi-Guide (FG) 300 Curb System"
- B. Qwick Kurb, "Klemmfix Guide System"
- C. Recycled Technology, Inc. "Safe-Lane System"

CONICAL DELINEATORS, 1070mm {42inches}

(For 700mm Traffic Cones, see Standard Specifications)

- A. Bent Manufacturing Company "T-Top"
- B. Plastic Safety Systems "Navigator-42"
- C. Radiator Specialty Company "Enforcer"
- D. Roadmaker Company "Stacker"
- E. TrafFix Devices "Grabber"
- F. Three D Traffic Works "Ringtop" TD7000, ID No. 742143

OBJECT MARKERS

Type "K", 450mm {18inches}

- A. Bunzl, Model FG318PE
- B. Carsonite, Model SMD 615
- C. FlexStake, Model 701 KM
- D. Repo, Models 300 and 400

- E. Safe-Hit, Model SH718SMA
- F. The Line Connection, Model DP21-4K

Type "K-4" / "Q" Object Markers, 600mm {24inches}

- A. Bent Manufacturing "Masterflex" Model MF-360-24
- B. Bunzl Extrusion, Model FG324PE
- C. Carsonite, Super Duck II
- D. FlexStake, Model 701KM
- E. Repo, Models 300 and 400
- F. Safe-Hit, Models SH8 24SMA\_WA and SH8 24GP3\_WA
- G. The Line Connection, Model DP21-4Q
- H. Three D Traffic Works "Q" Marker, ID No. 531702W

8-1.05 CONCRETE BARRIER MARKERS AND TEMPORARY RAILING (TYPE K) REFLECTORS:

Impactable Type

- A. ARTUK, "FB"
- B. Bunzl Extrusion, Models PCBM-12 and PCBM-T12
- C. Duraflex Corp., "Flexx 2020" and "Electriflexx"
- D. Hi-Way Safety, Inc., Model GMKRM100
- E. Plastic Safety Systems "BAM" Models OM-BARR and OM-BWAR
- F. Sun-Lab Technology, "Safety Guide Light Model TM-5"
- G. Three D Traffic Works "Roadguide" 9304 Series, ID No.903176(One-Way), ID No. 903215 (Two-Way)

Non-Impactable Type

- A. ARTUK, JD Series
- B. Plastic Safety Systems "BAM" Models OM-BITARW and OM-BITARA
- C. Vega Molded Products, Models GBM and JD

**METAL BEAM GUARD RAIL POST MARKERS**

(For use to the left of traffic)

- A. Bunzl Extrusion, "Mini" (75mm x 254mm) {3inches x 10inches}
- B. Creative Building Products, "Dura-Bull, Model 11201"
- C. Duraflex Corp., "Railrider"

**CONCRETE BARRIER DELINEATORS, 400 mm {16 inches}**

(For use to the right of traffic)

- A. Bunzl Extrusion, Model PCBM T-16
- B. Safe-Hit, Model SH216RBM
- C. Sun-Lab Technology, "Safety Guide Light, Model TM16," (75mm x 300mm) {3inches x 12inches}
- D. Three D Traffic Works "Roadguide" ID No. 904364 (White), ID No. 904390 (Yellow)

**CONCRETE BARRIER-MOUNTED MINI-DRUM (260mm x 360mm x 570mm) {10inches x 14inches x 22inches}**

- A. Stinson Equipment Company "SaddleMarker"

#### SOUND WALL DELINEATOR

(Applied vertically. Place top of 75mm x 300mm {3inches x 12inches} reflective element at 1200mm {48inches} above plane of roadway)

- A. Bunzl Extrusion, PCBM S-36
- B. Sun-Lab Technology, "Safety Guide Light, Model SM12," (75mm x 300mm) {3inches x 12inches}

#### GUARD RAILING DELINEATOR

(Place top of reflective element at 1200mm {48inches} above plane of roadway)  
Wood Post Type, 686mm {27inches}

- A. Bunzl Extrusion, FG 427 and FG 527
- B. Carsonite, Model 427
- C. FlexStake, Model 102 GR
- D. GreenLine GRD 27
- E. J. Miller Model JMI-375G
- F. Safe-Hit, Model SH227GRD
- G. Three D Traffic Works "Guardflex" TD9100 Series, ID No. 510476

#### Steel Post Type

- A. Carsonite, Model CFGR-327 with CFGRBK300 Mounting Bracket

#### RETROREFLECTIVE SHEETING

Channelizers, Barrier Markers, and Delineators

- A. Avery Dennison T-6500 Series (Formerly Stimsonite, Series 6200) (For rigid substrate devices only)
- B. Avery Dennison WR-6100 Series
- C. Nippon Carbide, Flexible Ultralite Grade (ULG) II
- D. Reflexite, PC-1000 Metalized Polycarbonate
- E. Reflexite, AC-1000 Acrylic
- F. Reflexite, AP-1000 Metalized Polyester
- G. Reflexite, Conformalight, AR-1000 Abrasion Resistant Coating
- H. 3M, High Intensity

#### Traffic Cones, 330mm {13inches} Sleeves

- A. Reflexite SB (Polyester), Vinyl or "TR" (Semi-transparent)

#### Traffic Cones, 100mm and 150mm {4inches x 6inches} Sleeves

- A. Nippon Carbide, Flexible Ultralite Grade (ULG) II
- B. Reflexite, Vinyl, "TR" (Semi-transparent) or "Conformalight"
- C. 3M Series 3840

#### Barrels and Drums

- A. Avery Dennison WR-6100
- B. Nippon Carbide, Flexible Ultralite Grade (ULG) II

- C. Reflexite, "Conformalight", "Super High Intensity" or "High Impact Drum Sheeting"
- D. 3M Series 3810

Barricades: Type I, Medium-Intensity (Typically Enclosed Lens, Glass-Bead Element)

- A. American Decal, Adcolite
- B. Avery Dennison, T-1500 and T-1600 series
- C. 3M Engineer Grade, Series 3170

Barricades: Type II, Medium-High-Intensity (Typically Enclosed Lens, Glass-Bead Element)

- A. Avery Dennison, T-2500 Series
- B. Kiwalite Type II
- C. Nikkalite 1800 Series

Signs: Type II, Medium-High-Intensity (Typically Enclosed Lens, Glass-Bead Element)

- A. Avery Dennison, T-2500 Series
- B. Kiwalite, Type II
- C. Nikkalite 1800 Series

Signs: Type III, High-Intensity (Typically Encapsulated Glass-Bead Element)

- A. Avery Dennison, T-5500 and T-5500A Series
- B. Nippon Carbide, Nikkalite Brand Ultralite Grade II
- C. 3M Series 3870

Signs: Type IV, High-Intensity (Typically Unmetallized Microprismatic Element)

- A. Avery Dennison, T-6500 Series (Formerly Stimsonite Series 6200)
- B. Nippon Carbide, Crystal Grade, 94000 Series

Signs: Type VI, Elastomeric (Roll-Up) High-Intensity, without Adhesive

- A. Avery Dennison, WU-6014
- B. Novabrite LLC, "Econobrite"
- C. Reflexite "Vinyl"
- D. Reflexite "SuperBright"
- E. Reflexite "Marathon"
- F. 3M Series RS34 (Orange) and RS20 (Fluorescent orange)

Signs: Type VII, Super-High-Intensity (Typically Unmetallized Microprismatic Element)

- A. 3M LDP Series 3924 (Fluorescent Red/Orange)
- B. 3M LDP Series 3970

Signs: Type VIII, Super-High-Intensity (Typically Unmetallized Microprismatic Element)

- A. Avery Dennison, T-7500 Series

Signs: Type IX, Very-High-Intensity (Typically Unmetallized Microprismatic Element)

- A. 3M VIP Series 3981 Diamond Grade (Fluorescent yellow)
- B. 3M VIP Series 3983 Diamond Grade (Fluorescent yellow/Green)
- C. 3M VIP Series 3990 Diamond

#### SPECIALTY SIGNS

- A. All Sign Products, STOP Sign (All Plastic), 750 mm {30 inches}
- B. Relxite "Endurance" Work Zone Sign (with Semi-Rigid Plastic Substrate)

#### SIGN SUBSTRATE

Fiberglass Reinforced Plastic (FRP)

- A. Fiber-Brite
- B. Sequentia, "Polyplate"
- C. Inteplast Group "InteCel" (13 mm {0.5-inch} for Post-Mounted CZ Signs, 1200 mm {48 inches} or less)

Aluminum Composite

- A. Alcan Composites "Dibond Material, 2 mm {0.08-inch}" (for temporary construction signs only)
- B. Mitsubishi Chemical America, Alpolic 350 (for temporary construction signs only)

## **SECTION 9. DESCRIPTION OF WORK**

This project will place micro-surfacing on the various County roads and other such items or detail work not mentioned herein that are required by the Plans, the Standard Specifications, Standard Plans, or these Special Provisions.





**Concurrent closures of Avila Beach Drive and San Luis Bay Drive will not be permitted.**

**No work will be permitted on all other roads before 0800 and after 1700.**

**No closure of off-ramps will be permitted between the hours of 0900 and 1500 on weekdays. Concurrent closures of adjacent ramps will not be permitted.**

The Contractor shall provide access to emergency vehicles through site at all times.

The Contractor's attention is directed to the provisions of "Maintaining Traffic," "Existing Highway Facilities," "Micro-Surfacing," and other requirements of these Special Provisions regarding order of work.

Before applying asphaltic emulsion or binder that would obliterate existing traffic stripes, the Contractor shall place temporary raised pavement markers on the existing centerline and lane line traffic stripes as specified in "Temporary Pavement Delineation" of these special provisions.

Before obliterating any pavement delineation (traffic stripes, pavement markings, and pavement markers) that is to be replaced on the same alignment and location, as determined by the Engineer, the pavement delineation shall be referenced by the Contractor, with a sufficient number of control points to reestablish the alignment and location of the new pavement delineation. The references shall include the limits or changes in striping pattern, including one- and 2-way barrier lines, limit lines, crosswalks and other pavement markings. Full compensation for referencing existing pavement delineation shall be considered as included in the contract price paid for micro-surfacing and no additional compensation will be allowed therefor.

Prior to applying micro-surfacing, the Contractor shall cover all manholes, valve and monument covers, grates, or other exposed facilities (including all survey control monuments not in monument wells as itemized in these special provisions) located within the area of application, using a plastic or oil resistant construction paper secured to the facility being covered by tape or adhesive. The covered facilities shall be referenced by the Contractor, with a sufficient number of control points to relocate the facilities after the seal coat has been placed. After completion of the micro-surfacing operation, all covers shall be removed and disposed of in a manner satisfactory to the Engineer. Full compensation for covering manholes, valve and monument covers, grates, or other exposed facilities, referencing, and removing temporary cover shall be considered as included in the contract price paid per ton for micro-surfacing, and no additional compensation will be allowed therefor.

10-1.02

ENCROACHMENT PERMIT:

The Contractor shall be required to apply for and obtain an encroachment permit from Caltrans prior to starting work within Caltrans right of way.

The Contractor shall pay all costs related to the encroachment permit, including application fees, deposits, and costs for inspection by State inspectors.

The Contractor's encroachment permit application shall state that it is a "Double Permit" for Permit Number 0513 NTK 0243. A copy of the encroachment permit is included as an attachment to this Contract. The work requiring a Caltrans encroachment permit includes traffic control and construction area signs on all State highways adjacent to the work. The Contractor shall be required to adhere to the requirements of the encroachment permit. The Contractor shall contact the State Permit Inspector (telephone 805-549-3151) 48 hours prior to commencing work to arrange a pre-job meeting.

Full compensation for conforming to the requirements of this section shall be considered as included in the contract items of work involved, and no separate payment will be made therefore.

10-1.03 WATER POLLUTION CONTROL:

10-1.03.A GENERAL:

Summary

Water pollution control work applies to project where work activities result in less than 1 acre of soil disturbance. Manage work activities to reduce the discharge of pollutants to surface waters, groundwater, or municipal separate storm sewer systems including contract work item for Prepare Water Pollution Control Program. Water Pollution Control Program (WPCP) preparation includes obtaining WPCP acceptance, amending the WPCP, and installation, maintenance, monitoring, and inspecting water pollution control practices at the job site.

Do not begin work until the WPCP is accepted.

Definitions and Abbreviations

active and inactive areas: (1) Active areas have soil disturbing work activities occurring at least once within 14 days, and (2) Inactive areas are areas that have not been disturbed for at least 15 days.

BMPs: Best Management Practices are water pollution control practices.

construction phase: Construction phases are (1) Highway Construction including work activities for building roads and structures, (2) Plant Establishment including maintenance on vegetation installed for final stabilization, and (3) Suspension where work activities are suspended and areas are inactive.

Preparation Manual: The Department's "Storm Water Pollution Prevention Plan and Water Pollution Control Program Preparation Manual."

NPDES: National Pollutant Discharge Elimination System

RWQCB: Regional Water Quality Control Board

SWPPP: Storm Water Pollution Prevention Plan

SWRCB: State Water Resources Control Board

Water Pollution Control Manager: The Water Pollution Control Manager implements water pollution control work described in the WPCP and oversees revisions and amendments to the WPCP.

WPCP: Water Pollution Control Program

### Submittals

Within 10 calendar days, not including Saturdays, Sundays, and legal holidays, of receipt of the executed contract, start the following process for WPCP acceptance:

1. Submit 2 copies of the WPCP and allow 5 days for the Engineer's review. If revisions are required, the Engineer provides comments and specifies the date that the review stopped.
2. Change and resubmit the WPCP within 5 days of receipt of the Engineer's comments. The Engineer's review resumes when the complete WPCP is resubmitted.
3. When the Engineer accepts the WPCP, submit an electronic and 3 printed copies of the accepted WPCP.

Submit:

1. Stormwater training records including training dates and subject for employees and subcontractors. Include dates and subject for ongoing training, including tailgate meetings.
2. Employee training records:
  - 2.1. Within 5 days of WPCP acceptance for existing employees
  - 2.2. Within 5 days of training for new employees
  - 2.3. At least 5 days before subcontractors start work for subcontractor's employees

Submit as required:

1. BMP Status Report
2. Inspection Reports

At least 5 days before operating any construction support facility:

1. Submit a plan showing the location and quantity of water pollution control practices associated with the construction support facility
2. If you will be operating a batch plant or a crushing plant under the General Industrial Permit, submit a copy of the NOI approved by the RWQCB and the WPCP approved by the RWQCB.

Quality Control and Assurance:

Training

Provide storm water training for:

1. Project managers
2. Supervisory personnel
3. Employees involved with water pollution control work

Train all employees, including subcontractor's employees, in the following subjects:

1. Water pollution control rules and regulations
2. Implementation and maintenance for:
  - 2.1. Temporary Soil Stabilization
  - 2.2. Temporary Sediment Control
  - 2.3. Tracking Control
  - 2.4. Wind Erosion Control
  - 2.5. Material pollution prevention and control
  - 2.6. Waste management
  - 2.7. Non-storm water management
  - 2.8. Identifying and handling hazardous substances
  - 2.9. Potential dangers to humans and the environment from spills and leaks or exposure to toxic or hazardous substances

Employees must receive initial water pollution control training before working on the job.

Conduct weekly training meetings covering:

1. Water pollution control BMPs deficiencies and corrective actions
2. BMPs that are required for work activities during the week
3. Spill prevention and control
4. Material delivery, storage, use, and disposal
5. Waste management
6. Non-storm water management procedures

You may obtain copies of the Preparation Manual from the Publication Distribution Unit. The mailing address for the Publication Distribution Unit is:

State of California

Department of Transportation

Publication Distribution Unit

1900 Royal Oaks Drive

Sacramento, California 95815

Telephone: (916) 445-3520

For the Preparation Manual and other water pollution control references, go to the Department's "Construction Storm Water and Water Pollution Control" web site at:

<http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm>

If you operate construction support facilities, protect storm water systems or receiving waters from the discharge of potential pollutants by using water pollution control practices.

Construction support facilities include:

1. Staging areas
2. Storage yards for equipment and materials
3. Mobile operations
4. Batch plants for PCC and HMA
5. Crushing plants for rock and aggregate
6. Other facilities installed for your convenience such as haul roads

If you operate a batch plant to manufacture PCC, HMA, or other material; or a crushing plant to produce rock or aggregate; obtain coverage under the General Industrial Permit. You must be covered under the General Industrial Permit for batch plants and crushing plants located:

1. Outside of the job site
2. Within the job site that serve one or more contracts

Discharges from manufacturing facilities such as batch plants must comply with the general waste discharge requirements for Order No. 97-03-DWQ, NPDES General Permit No. CAS000001, issued by the SWRCB for "Discharge of Stormwater Associated with Industrial Activities Excluding Construction Activities." The General Industrial Permit is available at:

<http://www.waterboards.ca.gov/>

#### Water Pollution Control Manager

The Contractor shall designate in writing a Water Pollution Control Manager (WPCM). The Contractor shall submit a statement of qualifications describing the training, work history, and expertise of the proposed WPCM. The WPCM must have at least one of the following qualifications:

1. Certified Erosion, Sediment and Storm Water Inspector (CESSWI)<sup>TM</sup> registered through Enviro Cert International, Inc.
2. Certified Inspector of Sediment and Erosion Control (CISEC) registered through CISEC, Inc.
3. Qualifications described in the Permit (Order No. 2009-009-DWQ, NPDES No. CAS000002) for a QSD.
4. Department approved storm water management training described in the Department's "Construction Storm Water and Water Pollution Control" web site

At the job site, the Water Pollution Control Manager must:

1. Be responsible for water pollution control work
2. Be the primary contact for water pollution control work
3. Oversee the maintenance of water pollution control practices
4. Oversee and enforce hazardous waste management practices
5. Have the authority to mobilize crews to make immediate repairs to water pollution control practices

6. Ensure that all employees have current water pollution control training
7. Implement the accepted WPCP and amend the WPCP when required

Water Pollution Control Manager must oversee:

1. Inspections of water pollution control practices identified in the WPCP
2. Inspections for visual monitoring

You may designate one manager to prepare the WPCP and a different manager to implement the plan. The WPCP preparer shall meet the training requirements for the WPCP.

10-1.03.B WATER POLLUTION CONTROL PROGRAM:

The work includes preparing a WPCP, obtaining WPCP acceptance, amending the WPCP, and reporting on water pollution control practices at the job site. The WPCP must comply with the Preparation Manual. The WPCP is required by the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications, and these Special Provisions.

You may request, or the Engineer may order, changes to the water pollution control work. Changes may include addition of new water pollution control practices. Additional water pollution control work is change order work.

The WPCP must include water pollution control practices:

1. For storm water and non-stormwater from areas outside of the job site related to project work activities such as:
  - 1.1. Staging areas
  - 1.2. Storage yards
  - 1.3. Access roads
2. For activities or mobile operations related to contractor obtained NPDES permits
3. Construction support facilities

The WPCP must include a copy of permits obtained by the County such as Fish & Game permits, US Army Corps of Engineers permits, RWQCB 401 Certifications, and RWQCB Waste Discharge Requirements for Aerially Deposited Lead Reuse.

WPCP Amendments

You must amend the WPCP when:

1. Changes in work activities could affect the discharge of pollutants
2. Water pollution control practices are added by change order work
3. Water pollution control practices are added by your discretion

If you amend the WPCP, follow the same process specified for WPCP acceptance.

Retain a printed copy of the accepted WPCP at the job site.

#### WPCP Schedule

The WPCP schedule must:

1. Describe when work activities will be performed that could cause the discharge of pollutants in storm water
2. Describe water pollution control practices associated with each construction phase
3. Identify soil stabilization and sediment control practices for disturbed soil areas

#### 10-1.03.C IMPLEMENTATION REQUIREMENTS:

Monitor the National Weather Service Forecast Office on a daily basis. For forecasts, go to:

<http://www.srh.noaa.gov/forecast>

Whenever you or the Engineer identifies a deficiency in the implementation of the accepted WPCP:

1. Correct the deficiency immediately, unless the Engineer authorizes an agreed date for correction
2. Correct the deficiency before precipitation occurs

If you fail to correct the deficiency by the agreed date or before the onset of precipitation, the County may correct the deficiency and deduct the cost of correcting the deficiency from payment.

If you fail to comply with "Water Pollution Control" of these Special Provisions, the Engineer will order a suspension of work until the project complies with the requirements of "Water Pollution Control" of these Special Provisions.

The Contractor's responsibility for WPCP implementation shall continue throughout any temporary suspension of work ordered in conformance with the

provisions in Section 8-1.05, "Temporary Suspension of Work," of the Standard Specifications.

Install water pollution control practices within 15 days or before predicted precipitation, whichever occurs first except as required sooner as required elsewhere by these Special Provisions.

If actions for the Contractor's convenience disturb one or more acres, the Contractor must pay all costs and be responsible for all delays associated with complying with Order No. 2009-0009-DWQ, NPDES General Permit No. CAS000002) issued by the SWRCB for "Storm Water Discharges Associated with Construction and Land Disturbance Activities." The General Permit is available at:

<http://www.waterboards.ca.gov/>

### Inspection

The Water Pollution Control Manager must oversee inspections for water pollution control practices identified in the WPCP:

1. Before a forecasted storm
2. After precipitation that causes site runoff
3. At 24-hour intervals during extended precipitation
4. On a predetermined schedule, a minimum of once a week

The Water Pollution Control Manager must oversee daily inspections of:

1. Storage areas for hazardous materials and wastes
2. Hazardous waste disposal and transporting activities
3. Hazardous material delivery and storage activities
4. Water pollution control practices specified under "Construction Site Management" of these Special Provisions

The Water Pollution Control Manager must use the Storm Water Site Inspection Report provided in the Preparation Manual.

The Water Pollution Control Manager must prepare BMP status reports that include the following:

1. Location and quantity of installed water pollution control practices
2. Location and quantity of disturbed soil for the active or inactive areas

Within 24 hours of finishing the weekly inspection, the Water Pollution Control Manager must submit:

1. Copy of the completed site inspection report
2. Copy of the BMP status report

Reporting Requirements

If the following occur, notify the Engineer within 6 hours:

1. You identify discharges into receiving waters or drainage systems causing or potentially causing pollution
2. The job receives a written notice or order from a regulatory agency

No later than 48 hours after the conclusion of a storm event resulting in a discharge, a non-stormwater discharge, or receiving the notice or order, submit:

1. Date, time, location, and nature of the activity, type of discharge and quantity, and the cause of the notice or order
2. Water pollution control practices used before the discharge, or before receiving the notice or order
3. Description of water pollution control practices and corrective actions taken to manage the discharge or cause of the notice.

10-1.03.D PAYMENT:

If you fail to comply with “Water Pollution Control” of these Special Provisions or fail to implement water pollution control practices during each estimate period, the County withholds 25 percent from progress payment.

Withholds for failure to perform water pollution control work are in addition to all other withholds provided for in the contract. The County returns performance-failure withholds in the progress payment following the correction for noncompliance.

Full compensation for preparing and implementing a water pollution control program, including furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in preparing, obtaining acceptance of, and amending the WPCP and inspecting water pollution control practices as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer, shall be considered as included in the contract price paid for the various items of work involved and no separate payment will be made therefor.

The County does not pay for implementation of water pollution control practices in areas outside the right of way not specifically provided for in the drawings or in the Special Provisions.

The County does not pay for water pollution control practices installed at construction support facilities.

10-1.04 CONSTRUCTION SITE MANAGEMENT

10-1.04.A GENERAL

Summary

This work includes controlling potential sources of water pollution before they come in contact with storm water systems or watercourses.

Control material pollution and manage waste and non-stormwater at the job site by implementing effective handling, storage, use, and disposal practices.

For information on documents specified in these Special Provisions, refer to the Department's Preparation Manual, Dewatering Guide, and BMP Manual.

Preparation Manual, Dewatering Guide, and BMP Manual are available from the Department's Construction Storm Water and Water Pollution Control web site at:

<http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm>

Definitions and Abbreviations

active and inactive areas: (1) Active areas have soil disturbing work activities occurring at least once within 14 days, and (2) Inactive areas are areas that have not been disturbed for at least 15 days.

BMP Manual: The Department's Construction Site Best Management Practices (BMP) Manual.

CDPH: California Department of Public Health

Dewatering Guide: The Department's Field Guide to Construction Site Dewatering.

ELAP: Environmental Laboratory Accreditation Program

Minor spills: Small quantities of oil, gasoline, paint, or other material that are small enough to be controlled by a first responder upon discovery of the spill.

MSDS: Material Safety Data Sheet

Preparation Manual: The Department's Storm Water Pollution Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) Preparation Manual.

Semi-significant spills: Spills that can be controlled by a first responder with help from other personnel.

Significant or hazardous spills: Spills that cannot be controlled by construction personnel.

WPC: Water Pollution Control

WPC Manager: Water Pollution Control Manager as defined under "Water Pollution Control" of these Special Provisions.

#### Submittals

Submit the following:

1. MSDS at least 5 days before material is used or stored
2. Monthly inventory records for material used or stored
3. Copy of written approval to discharge into a sanitary sewer system at least 5 days before beginning discharge activities

#### 10-1.04.B CONSTRUCTION

##### Spill Prevention and Control

Implement spill and leak prevention procedures for chemicals and hazardous substances stored at the job site. If you spill or leak chemicals or hazardous substances at the job site, you are responsible for all associated cleanup costs and related liability.

As soon as it is safe, contain and clean up spills of petroleum products, sanitary and septic waste substances listed under CFR Title 40, Parts 110, 117, and 302.

##### Minor Spills

Clean up minor spills using the following procedures:

1. Contain the spread of the spill
2. Recover the spilled material by absorption
3. Clean the contaminated area
4. Dispose of the contaminated material promptly and properly

##### Semi-significant Spills

Clean up semi-significant spills immediately by the following procedures:

1. Contain the spread of the spill

2. Recover the spilled material using absorption whenever a spill occurs on a paved surface or an impermeable surface
3. Contain the spill with an earthen dike and dig up the contaminated soil for disposal whenever a spill occurs on soil
4. If the spill occurs during precipitation, cover the spill with plastic or other material to prevent contaminated runoff
5. Dispose of the contaminated material promptly and properly

Significant or Hazardous Spills

Immediately notify qualified personnel of significant or hazardous spills. Do not let construction personnel attempt to clean up the spill until qualified staff have arrived. Do the following:

1. Notify the Engineer and follow up with a written report
2. Obtain the services of a spills contractor or hazardous material team immediately
3. Notify the local emergency response team by dialing 911 and county officials at the emergency phone numbers kept at the job site
4. Notify the Governor's Office of Emergency Services Warning Center at (805) 852-7550
5. Notify the National Response Center at (800) 424-8802 regarding spills of Federal reportable quantities under CFR Title 40, Parts 110, 119, and 302
6. Notify other agencies as appropriate, including:
  - 6.1. Fire Department
  - 6.2. Public Works Department
  - 6.3. Coast Guard
  - 6.4. Highway Patrol
  - 6.5. County Sheriff Department
  - 6.6. Department of Toxic Substances
  - 6.7. California Division of Oil and Gas
  - 6.8. Cal OSHA
  - 6.9. Regional Water Resources Control Board

Report minor, semi-significant, and significant spills to the WPC Manager. The WPC Manager must notify the Engineer immediately. The WPC Manager must oversee and enforce proper spill prevention and control measures.

Prevent spills from entering storm water runoff before and during cleanup. Do not bury spills or wash spills with water.

Keep material or waste storage areas clean, well organized, and equipped with enough cleanup supplies for the material being stored.

#### 10-1.04.C MATERIAL MANAGEMENT

##### General

Material must be delivered, used, and stored for this job in a way that minimizes or eliminates discharge of material into the air, storm drain systems, and watercourses.

Implement the practices described under "Material Management" of these Special Provisions while taking delivery of, using, or storing any of the following materials:

1. Hazardous chemicals including acids, lime, glues, adhesives, paints, solvents, and curing compounds
2. Soil stabilizers and binders
3. Fertilizers
4. Detergents
5. Plaster
6. Petroleum materials including fuel, oil, and grease
7. Asphalt components and concrete components
8. Pesticides and herbicides

Employees trained in emergency spill cleanup procedures must be present during the unloading of hazardous materials or chemicals.

If practicable, use less hazardous materials.

##### Material Storage

Use the following material storage procedures:

1. Store liquids, petroleum materials, and substances listed in CFR Title 40, Parts 110, 117, and 302 as specified by the Department, and place them in secondary containment facilities.

2. Secondary containment facilities must be impervious to the materials stored there for a minimum contact time of 72 hours.
3. Cover secondary containment facilities during non-working days and when precipitation is predicted. Secondary containment facilities must be adequately ventilated.
4. Keep secondary containment facility free of accumulated rainwater or spills. After precipitation, or in the event of spills or leaks, collect accumulated liquid and place into drums within 24 hours. Handle these liquids as hazardous waste under "Hazardous Waste" of these Special Provisions unless testing determines them to be nonhazardous.
5. Do not store incompatible materials, such as chlorine and ammonia, in the same secondary containment facility.
6. Store materials in the original containers with the original material labels maintained in legible condition. Replace damaged or illegible labels immediately.
7. Secondary containment facilities must have the capacity to contain precipitation from a 24-hour-long, 25-year storm, and 10 percent of the aggregate volume of all containers, or entire volume of the largest container within the facility, whichever is greater.
8. Store bagged or boxed material on pallets. Protect bagged or boxed material from wind and rain during non-working days and while precipitation is predicted.
9. Provide sufficient separation between stored containers to allow for spill cleanup or emergency response access. Storage areas must be kept clean, well organized, and equipped with cleanup supplies appropriate for the materials being stored.
10. Repair or replace perimeter controls, containment structures, covers, and liners as necessary. Inspect storage areas before and after precipitation, and at least weekly during other times.

### Stockpile Management

Use the following stockpile management procedures:

1. Reduce or eliminate potential water pollution from stockpiled material including soil, paving material, and pressure treated wood.
2. Locate stockpiles:
  - 2.1. If within the floodplain, at least 100 feet from concentrated flows of storm water, drainage courses, and inlets unless approved

2.2. If outside the floodplain, at least 50 feet from concentrated flows of storm water, drainage courses, and inlets unless approved

Install WPC practices within 15 days or before predicted precipitation, whichever occurs first.

Active and inactive soil stockpiles must be:

1. Covered with soil stabilization measures, plastic sheeting, or geosynthetic fabric
2. Surrounded with a linear sediment barrier

Portland cement concrete rubble, AC, HMA, AC and HMA rubble, aggregate base or aggregate sub-base stockpiles must be:

1. Covered with plastic sheeting, or geosynthetic fabric
2. Surrounded with a linear sediment barrier

Pressure treated wood stockpiles must be:

1. Placed on pallets
2. Covered with impermeable material

Cold mix asphalt concrete stockpiles must be:

1. Placed on impervious surface
2. Covered with impermeable material
3. Protected from run-on and runoff

Control wind erosion year round under Section 10, "Dust Control" of the Standard Specifications.

Repair or replace linear sediment barriers and covers as needed to keep them functioning properly. If sediment accumulates to 1/3 of the linear sediment barrier height, remove the sediment.

#### 10-1.04.D WASTE MANAGEMENT

##### Solid Waste

Do not allow litter or debris to accumulate anywhere at the job site, including storm drain grates, trash racks, and ditch lines. Pick up and remove trash and debris from the job site at least once a week. The WPC Manager must monitor solid waste storage and disposal procedures at the job site.

If practicable, recycle nonhazardous job site waste and excess material. If recycling is not practicable, disposal must comply with Section 7-1.13, "Disposal of Material Outside the Highway Right of Way" of the Standard Specifications.

Furnish enough closed-lid dumpsters of sufficient size to contain any solid waste generated by work activities. When the refuse reaches the fill line, empty the dumpsters. Dumpsters must be watertight. Do not wash out dumpsters at the job site. Furnish additional containers and pick up dumpsters more frequent during the demolition phase of construction.

Solid waste includes:

1. Brick
2. Mortar
3. Timber
4. Metal scraps
5. Sawdust
6. Pipe
7. Electrical cuttings
8. Non-hazardous equipment parts
9. Styrofoam and other packaging materials
10. Vegetative material and plant containers from highway planting
11. Litter and smoking material, including litter generated randomly by the public
12. Other trash and debris

Furnish and use trash receptacles at the job site yard, field trailers, and locations where workers gather for lunch and breaks.

#### *Hazardous Waste*

Use hazardous waste management practices if waste is generated at the job site from the following substances:

1. Petroleum products
2. Asphalt products
3. Concrete curing compound
4. Pesticides

5. Acids
6. Paints
7. Stains
8. Solvents
9. Wood preservatives and treated posts
10. Roofing tar
11. Road flares
12. Lime
13. Glues and adhesives
14. Materials classified as hazardous by California Code of Regulations, Title 22, Division 4.5; or listed in CFR Title 40, Parts 110, 117, 261, or 302

The WPC Manager must oversee and enforce hazardous waste management practices. Minimize the production of hazardous materials and hazardous waste at the job site. If damaged, repair or replace perimeter controls, containment structures, and covers.

If hazardous material levels are unknown, use a laboratory certified by ELAP under CDPH to sample and test waste to determine safe methods for storage and disposal.

Separate potentially hazardous waste from nonhazardous waste at the job site. Hazardous waste must be handled, stored, and disposed of under California Code of Regulations, Title 22, Division 4.5, Section 66262.34; and in CFR Title 49, Parts 261, 262, and 263.

Store hazardous waste in sealed containers constructed and labeled with the contents and date accumulated under California Code of Regulations, Title 22, Division 4.5; and in CFR Title 49, Parts 172, 173, 178, and 179. Keep hazardous waste containers in temporary containment facilities under "Material Storage" of these Special Provisions.

Furnish containers with adequate storage volume at convenient locations for hazardous waste collection. Do not overfill hazardous waste containers. Do not mix hazardous wastes. Do not allow potentially hazardous waste to accumulate on the ground. Store containers of dry waste that are not watertight on pallets. Store hazardous waste away from storm drains, watercourses, moving vehicles, and equipment.

Clean water based or oil based paint from brushes or equipment within a contained area and in a way that does not contaminate soil, watercourses, and

storm drain systems. Handle and dispose of the following as hazardous waste: paints, thinners, solvents, residues, and sludges that cannot be recycled or reused. When thoroughly dry, dispose of the following as solid waste: dry, latex paint and paint cans, used brushes, rags, absorbent materials, and drop cloths.

Dispose of hazardous waste within 90 days of being generated. Use a licensed hazardous waste transporter to take hazardous waste to a Class I Disposal Site. Submit a copy of uniform hazardous waste manifest forms within 24 hours of transporting hazardous waste.

The WPC Manager must inspect the following daily:

1. Storage areas for hazardous materials and wastes
2. Hazardous waste disposal and transporting activities
3. Hazardous material delivery and storage activities

#### Contaminated Soil

Identify contaminated soil from spills or leaks by noticing discoloration, odors, or differences in soil properties. Soil with evidence of contamination must be sampled and tested by a laboratory certified by ELAP.

If levels of contamination are found to be hazardous, handle and dispose of the soil as hazardous waste.

Prevent the flow of water, including ground water, from mixing with contaminated soil by using one or a combination of the following measures:

1. Berms
2. Cofferdams
3. Grout curtains
4. Freeze walls
5. Concrete seal course

If water mixes with contaminated soil and becomes contaminated, sample and test the water using a laboratory certified by ELAP. If levels of contamination are found to be hazardous, handle and dispose of the water as hazardous waste.

#### Concrete Waste

Use practices that will prevent the discharge of portland cement concrete, AC, or HMA waste into storm drain systems or watercourses.

Collect and dispose of portland cement concrete, AC, or HMA waste at locations where:

1. Concrete material, including grout, is used
2. Concrete dust and debris result from demolition
3. Sawcutting, coring, grinding, grooving, or hydro-concrete demolition of portland cement concrete, AC, or HMA creates a residue or slurry
4. Concrete truck or other concrete-coated equipment is cleaned at the job site

#### Sanitary and Septic Waste

Do not bury or discharge wastewater from sanitary or septic systems within County right-of-way. The WPC Manager must inspect sanitary or septic waste storage and monitor disposal procedures at least weekly. Sanitary facilities that discharge to the sanitary sewer system must be properly connected and free from leaks. Place sanitary facilities at least 50 feet away from storm drains, watercourses, and flow lines.

Obtain written approval from the local health agency, city, county, and sewer district before discharging from a sanitary or septic system directly into a sanitary sewer system, and submit a copy to the Engineer. Comply with local health agency provisions while using an on-site disposal system.

#### Liquid Waste

Use practices that will prevent job site liquid waste from entering storm drain systems or watercourses. Liquid wastes include the following:

1. Drilling slurries or fluids
2. Grease-free or oil-free wastewater or rinse water
3. Dredgings, including liquid waste from drainage system cleaning
4. Liquid waste running off a surface including wash or rinse water
5. Other non-stormwater liquids not covered by separate permits

Hold liquid waste in structurally sound, leak proof containers such as:

1. Roll-off bins
2. Portable tanks

Liquid waste containers must be of sufficient quantity and volume to prevent overflow, spills and leaks.

Store containers:

1. At least 50 feet from moving vehicles and equipment
2. If within the floodplain, at least 100 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved
3. If outside the floodplain, at least 50 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved

Remove and dispose of deposited solids from sediment traps under "Solid Waste" of these Special Provisions unless the Engineer approves another method.

Liquid waste may require testing to determine hazardous material content before disposal.

Drilling fluids and residue must be disposed of outside the highway right-of-way.

If an approved location is available within the job site, fluids and residue exempt under California Code of Regulations, Title 23, Section 2511(g) may be dried by evaporation in a leak proof container. Dispose of remaining solid waste under "Solid Waste" of these Special Provisions.

#### 10-1.04.E NON-STORM WATER MANAGEMENT

##### *Water Control and Conservation*

Manage water used for work activities to prevent erosion or discharge of pollutants into storm drain systems or watercourses. Obtain approval before washing anything at the job site with water that could discharge into a storm drain system or watercourse. Report discharges immediately.

If water is used at the job site, implement water conservation practices. Inspect irrigation areas. Adjust watering schedules to prevent erosion, excess watering, or runoff. Shut off water source to broken lines, sprinklers, or valves, and repair breaks within 24 hours. If possible, reuse water from waterline flushing for landscape irrigation. Sweep and vacuum paved areas; do not wash them with water.

Direct job site water runoff, including water from water line repair, to areas where it can infiltrate into the ground and not enter storm drain systems or watercourses. Do not allow spilled water to escape water truck filling areas. If possible, direct water from off-site sources around the job site. Minimize the contact of off-site water with job site water.

##### *Illegal Connection and Discharge Detection and Reporting*

Inspect the job site and the site perimeter before starting work for evidence of illegal connections, discharges, or dumping. After starting work, inspect the job site and perimeter on a daily schedule.

Whenever illegal connections, discharges, or dumping are discovered, notify the Engineer immediately. Take no further action unless ordered by the Engineer. Assume unlabeled or unidentifiable material is hazardous.

Look for the following evidence of illegal connections, discharges, or dumping:

1. Debris or trash piles
2. Staining or discoloration on pavement or soils
3. Pungent odors coming from drainage systems
4. Discoloration or oily sheen on water
5. Stains or residue in ditches, channels or drain boxes
6. Abnormal water flow during dry weather
7. Excessive sediment deposits
8. Nonstandard drainage junction structures
9. Broken concrete or other disturbances near junction structures

#### Vehicle and Equipment Cleaning

Limit vehicle and equipment cleaning or washing at the job site except what is necessary to control vehicle tracking or hazardous waste. Notify the Engineer before cleaning vehicles and equipment at the job site with soap, solvents, or steam. Contain and recycle or dispose of resulting waste under "Liquid Waste" or "Hazardous Waste" of these Special Provisions, whichever is applicable. Do not use diesel to clean vehicles or equipment, and minimize the use of solvents.

Clean or wash vehicles and equipment in a structure equipped with disposal facilities. If using a structure is not possible, clean or wash vehicles and equipment in an outside area. The outside area must be:

1. Paved with AC, HMA, or concrete paving
2. Surrounded by a containment berm
3. Equipped with a sump to collect and dispose of wash water
4. If within the floodplain, located at least 100 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved
5. If outside the floodplain, located at least 50 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved

When washing vehicles or equipment with water, use as little water as possible. Hoses must be equipped with a positive shutoff valve.

Discharge liquid from wash racks to a recycle system or to another approved system. Remove liquids and sediment as necessary.

The WPC Manager must inspect vehicle and equipment cleaning facilities:

1. Daily if vehicle and equipment cleaning occurs daily
2. Weekly if vehicle and equipment cleaning does not occur daily

#### Vehicle and Equipment Fueling and Maintenance

If practicable, perform maintenance on vehicles and equipment off the job site.

If fueling or maintenance must be done at the job site, designate a site, or sites, and obtain approval before using. Minimize mobile fueling or maintenance.

If vehicle and equipment fueling and maintenance must be done at the job site, areas for the following activities must be:

1. On level ground
2. Protected from storm water run-on
3. If within the floodplain, located at least 100 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved
4. If outside the floodplain, located at least 50 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved

Use containment berms or dikes around the fueling and maintenance area. Keep adequate quantities of absorbent spill cleanup material and spill kits in the fueling and maintenance area and on fueling trucks. Dispose of spill cleanup material and kits immediately after use. Use drip pans or absorbent pads during fueling or maintenance.

Fueling or maintenance activities must not be left unattended. Fueling nozzles must be equipped with an automatic shutoff control. Vapor recovery fueling nozzles must be used where required by the Air Quality Management District. When not in use, nozzles must be secured upright. Do not top-off fuel tanks.

Recycle or properly dispose of used batteries and tires.

The WPC Manager must inspect vehicle and equipment maintenance and fueling areas:

1. Daily when vehicle and equipment maintenance and fueling occurs daily
2. Weekly when vehicle and equipment maintenance and fueling does not occur daily

The WPC Manager must inspect vehicles and equipment at the job site for leaks and spills on a daily schedule. Operators must inspect vehicles and equipment each day of use.

If leaks cannot be repaired immediately, remove the vehicle or equipment from the job site.

#### Material and Equipment Used Over Water

Place drip pans and absorbent pads under vehicles or equipment used over water. Keep an adequate supply of spill cleanup material with the vehicle or equipment. If the vehicle or equipment will be idle for more than one hour, place drip pans or plastic sheeting under the vehicle or equipment on docks, barges, or other surfaces over water.

Furnish watertight curbs or toe boards on barges, platforms, docks, or other surfaces over water to contain material, debris, and tools. Secure material to prevent spills or discharge into water due to wind.

#### Structure Removal Over or Adjacent to Water

Do not allow demolished material to enter storm water systems or watercourses. Use approved covers and platforms to collect debris. Use attachments on equipment to catch debris on small demolition activities. Empty debris catching devices daily and handle debris under "Waste Management" of these Special Provisions.

The WPC Manager must inspect demolition sites within 50 feet of storm water systems or watercourses daily.

#### Paving, Sealing, Sawcutting, Grooving, and Grinding Activities

Prevent the following materials from entering storm drain systems or water courses:

1. Cementitious material
2. Asphaltic material
3. Aggregate or screenings
4. Grinding grooving, or sawcutting residue
5. Pavement chunks

## 6. Shoulder backing

## 7. Methacrylate

Cover drainage inlets and use linear sediment barriers to protect downhill watercourses until paving, sealing, sawcutting, grooving, or grinding activities are completed and excess material has been removed. Cover drainage inlets and manholes during the application of seal coat, tack coat, slurry seal, or fog seal.

If precipitation is predicted, limit paving, sawcutting, and grinding to places where runoff can be captured.

Do not start seal coat, tack coat, slurry seal, or fog seal activities if precipitation is predicted during the application or curing period. Do not excavate material from existing roadways during precipitation.

Use a vacuum to remove slurry immediately after slurry is produced. Do not allow slurry to run onto lanes open to traffic or off the pavement.

Collect residue from portland cement concrete grinding and grooving activities with a vacuum attachment on the grinding machine. Do not leave any residue on the pavement or allow the residue to flow across the pavement.

If approved, material excavated from existing roadways may be stockpiled under "Stockpile Management" of these Special Provisions.

Do not coat asphalt trucks and equipment with substances that contain soap, foaming agents, or toxic chemicals.

When paving equipment is not in use, park over drip pans or plastic sheeting with absorbent material to catch drips.

### Thermoplastic Striping and Pavement Markers

Thermoplastic striping and preheating equipment shutoff valves must work properly at all times. Do not preheat, transfer, or load thermoplastic within 50 feet of drainage inlets or watercourses. Do not fill a preheating container above a level that is 6 inches below the top. Truck beds must be cleaned daily of scraps or melted thermoplastic.

Do not unload, transfer, or load bituminous material for pavement markers within 50 feet of drainage inlets or watercourses. Release all pressure from a melting tank before removing the lid to fill or service. Do not fill a melting tank above a level that is 6 inches below the top.

Collect bituminous material from the roadway after marker removal.

### Pile Driving

Keep spill kits and cleanup material at pile driving locations. Pile driving equipment must be parked over drip pans, absorbent pads, or plastic sheeting with absorbent material. If precipitation is predicted, protect pile driving equipment by parking on plywood and covering with plastic.

Store pile driving equipment when not in use. Stored pile driving equipment must be:

1. Kept on level ground
2. Protected from storm water run-on
3. If within the floodplain, at least 100 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved
4. If outside the floodplain, at least 50 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved

If practicable, use vegetable oil instead of hydraulic fluid.

The WPC Manager must inspect the pile driving area for leaks and spills:

1. Daily when pile driving occurs daily
2. Weekly when pile driving does not occur daily

#### Concrete Curing

Do not overspray chemical curing compound. Minimize the drift by spraying as close to the concrete as possible. Cover drainage inlets before applying the curing compound.

Minimize the use and discharge of water by using wet blankets or similar methods to maintain moisture while curing concrete.

#### Concrete Finishing

Collect and dispose of water and solid waste from high-pressure water blasting. Cover drainage inlets within 50 feet before sandblasting. Minimize drift of dust and blast material by keeping the nozzle close to the surface of the concrete. The blast residue may contain hazardous material.

Inspect concrete finishing containment structures for damage before each day of use and before predicted precipitation. Remove liquid and solid waste from containment structures after each work shift.

#### Sweeping

Sweeping must be done using hand or mechanical methods such as vacuuming.

Monitor paved areas and roadways within the job site for sediment and debris generating activities such as:

1. Clearing and grubbing
2. Earthwork
3. Trenching
4. Roadway structural section work
5. Vehicles entering and leaving the job site
6. Soil disturbing work
7. Work that causes offsite tracking of material

If sediment or debris is observed, perform sweeping:

1. Within:
  - 1.1. 8 hours of predicted rain
  - 1.2. 24 hours unless the Engineer approves a longer period
2. On paved roads at job site entrances and exit locations
3. On paved areas within the job site that flow to storm drains or receiving waters

You may stockpile collected material at the job site. Remove collected material including sediment from paved shoulders, drain inlets, curbs and dikes, and other drainage areas. If stockpiled, dispose of collected material at least once per week.

You may dispose of sediment within the job site that you collected during sweeping activities. Protect disposal areas against erosion.

Remove and dispose of trash collected during sweeping under Section 7-1.13, "Disposal of Material Outside the Highway Right of Way" of the Standard Specifications.

### Dewatering

Dewatering consists of discharging accumulated storm water, ground water, or surface water from excavations or temporary containment facilities.

If dewatering and discharging activities are specified under a work item such as "Temporary Active Treatment System" or "Dewatering and Discharge," perform dewatering work as specified in the section involved.

If dewatering and discharging activities are not specified under a work item and you will be performing dewatering activities, you must:

1. Submit a Dewatering and Discharge Plan under Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications and "Water Pollution Control" of these Special Provisions at least 10 days before starting dewatering activities. The Dewatering and Discharge Plan must include:
  - 1.1. Title sheet and table of contents
  - 1.2. Description of dewatering and discharge activities detailing locations, quantity of water, equipment, and discharge points
  - 1.3. Estimated schedule for dewatering and discharge (start and end dates, intermittent or continuous)
  - 1.4. Discharge alternatives such as dust control or percolation
  - 1.5. Visual monitoring procedures with inspection log
2. Conduct dewatering activities under the Department's "Field Guide for Construction Dewatering."
3. Ensure that any dewatering discharge does not cause erosion, scour, or sedimentary deposits that could impact natural bedding materials.
4. Discharge the water within the project limits. Dispose of the water in the same way as specified for material in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specification if it cannot be discharged within project limits due to site constraints.
5. Do not discharge storm water or non-stormwater that has an odor, discoloration other than sediment, an oily sheen, or foam on the surface. Notify the Engineer immediately upon discovering any such condition.

The WPC manager must inspect dewatering activities:

1. Daily when dewatering work occurs daily
2. Weekly when dewatering work does not occur daily

10-1.04.F PAYMENT:

Full compensation for construction site management, including furnishing all labor, materials, tools, equipment, and incidentals and for fully complying with the provisions in this section and for doing all the work involved in spill prevention and control, material management, waste management, non-storm water management, and dewatering and identifying, sampling, testing, handling, and disposing of hazardous waste resulting from contractor activities, as specified in the Standard Specifications and these Special Provisions, and as directed by the

Engineer, shall be considered as included in the contract price paid for the various items of work involved and no separate payment will be made therefor.

10-1.05 MAINTAINING TRAFFIC

10-1.05.A GENERAL:

Attention is directed to the provisions of Section 7-1.08, "Public Convenience," Section 7-1.09, "Public Safety," and Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications and these Special Provisions. Nothing in these Special Provisions shall be construed as relieving the Contractor from the responsibilities specified in these sections.

During the times when men or equipment are actually working, a minimum of one 12-foot wide lane with flagging shall be provided for public traffic. At all other times, a minimum of two 10-foot wide lanes which are reasonably smooth and satisfactory for public two-way traffic shall be provided and maintained by the Contractor irrespective of the state of construction. Adequate sight distance for vehicles exiting driveways shall be maintained.

All flaggers shall hold current certifications in accordance with Cal OSHA Construction Safety Order Section 1599. All workers in the roadway shall wear Type 2 Cal OSHA high-visibility vests.

The Contractor shall conduct operations in such a manner that access of abutting residences and businesses along the road is not obstructed. Care shall be taken by the Contractor so that materials or equipment placed or parked within the County road right of way will not block driveways or other access means used by the adjacent property owners.

Unless otherwise permitted, the full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays, designated legal holidays, and when construction operations are not actively in progress on working days.

The Contractor will not be permitted to work on two sides of any road at a time. All work on one side of the road shall be completed as required prior to the beginning of construction operations on the other side of the road.

The Contractor, pursuant to Section 22651-M of the California Vehicle Code, shall be responsible for notifying and making arrangements with owners of vehicles required to be removed from the work area.

Streets and roads shall be posted by the Contractor with temporary "NO PARKING" signs on Type II barricades. Temporary "NO PARKING" signs shall be 12" x 18", and shall display the message "TEMPORARY NO PARKING TOW AWAY" in 2" red letters. Signs shall be posted with the appropriate dates listed, a minimum of 48 hours in advance of doing the work. In the event that a change in sign posting is required due to a change in the Contractor's work

schedule, the Contractor shall repost the locations affected at the Contractor's own expense.

Locations where micro-surfacing is placed shall be posted by the Contractor with W 21-2 "FRESH OIL" signs on Type II barricades. W 21-2 signs shall be 48" x 48". The first W 21-2 sign in each direction shall be placed where traffic first encounters fresh oil. The signs shall be placed at maximum 2,000-foot intervals along each side of the traveled way, and at public roads or streets entering the micro-seal area as directed by the Engineer. W 21-2 signs shall be placed in advance of micro-surfacing operations, and maintained in place for a minimum of 48 hours after completion of micro-surfacing operations.

Portable delineators, traffic cones, barricades, telescoping flag tree with flags, signs, and all traffic control devices specified in these Special Provisions shall conform to the requirements of Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications.

The Contractor's jobsite vehicles and equipment shall be equipped with amber, flashing lights, visible to jobsite labor public traffic, and pedestrians.

The provisions in this section may be modified if, in the opinion of the Engineer, public traffic will be better served and work expedited. Any proposed modifications shall be approved in writing by the Engineer.

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

10-1.05.B TRAFFIC CONTROL SYSTEM FOR LANE CLOSURES:

A traffic control system shall consist of closing traffic lanes in conformance with the details shown on the Plans, the provisions of Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications, the provisions of "Maintaining Traffic" and "Construction Area Signs" of these Special Provisions, and these Special Provisions.

The provisions in this section will not relieve the Contractor from the responsibility to provide additional devices or take measures as may be necessary to comply with the provisions in Section 7-1.09, "Public Safety," of the Standard Specifications.

If components in the traffic control system are damaged, displaced, or cease to operate or function as specified, from any cause, during the progress of the work, the Contractor shall immediately repair the components to the original condition or replace the components and shall restore the components to the original location.

When lane closures are made for work periods only, at the end of each work period, 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, the components may be stored at selected central locations designated by the Engineer within the limits of the highway right of way.

One-way traffic shall be controlled through the project in conformance with the plan entitled "Traffic Control System for Lane Closure on Two Lane Conventional Highways" and these Special Provisions. Ramp closures shall conform to the plan entitled "Traffic Control system for Ramp Closures" and these Special Provisions.

Utilizing a pilot car will be at the option of the Contractor. If the Contractor elects to use a pilot car, the cones shown along the centerline of the plan need not be placed. The pilot car shall have radio contact with personnel in the work area and the maximum speed of the pilot car through the traffic control zone shall be 25 miles-per-hour.

The Contractor may close roads for micro-surfacing operations with the written approval of the Engineer, provided a detour plan, closure schedule, and public notice are submitted a minimum of 10 days in advance of the closure. Road closures and detours shall conform to the Manual of Traffic Controls for Construction and Maintenance Work Zones and these Special Provisions. Road closures shall be no greater than 1,000 feet long. Adjacent streets shall not be closed simultaneously. 7 to 10 days prior to closing any road, the Contractor shall furnish and distribute public notices to all residences and businesses within a road closure area. Public notices will consist of flyers hung on front door knobs indicating the dates of closures, type of work, and the Contractor's contact information. The Contractor shall submit public notices to the Engineer for approval 10 days before distribution.

Flagging costs will be paid for as provided in Section 12-2.02, "Flagging Costs," of the Standard Specifications.

The contract lump sum price paid for "TRAFFIC CONTROL SYSTEM" shall include full compensation for furnishing all labor (except for flagging costs), materials including signs, tools, equipment, and incidentals, and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of the traffic control system and for furnishing and operating the pilot car (including driver, radios, other equipment, and labor required), as shown on the Plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefor.

Costs for flagging in accordance with Section 7-1.09, "Public Safety," and supplemental traffic control ordered by the Engineer in accordance with Section 7-1.08, "Public Convenience," of the Standard Specifications will be paid for under "SUPPLEMENTAL WORK (FLAGGING AND SUPPLEMENTAL TRAFFIC CONTROL)".

The adjustment provisions in Section 4-1.03, "Changes," of the Standard Specifications shall not apply to the item of traffic control system, or the supplemental work item for flagging and supplemental traffic control)". Adjustments in compensation for traffic control system will be made only for increased or decreased traffic control system required by changes ordered by the Engineer and will be made on the basis of the cost of the increased or decreased traffic control necessary. The adjustment will be made on a force account basis as provided in Section 9-1.03, "Force Account Payment," of the Standard Specifications for increased work and estimated on the same basis in the case of decreased work.

Traffic control system required by work which is classed as extra work, as provided in Section 4-1.03D of the Standard Specifications, will be paid for as a part of the supplemental work item for flagging and supplemental traffic control.

10-1.05.C TEMPORARY PAVEMENT DELINEATION:

When the work causes obliteration or removal of pavement delineation, temporary or permanent pavement delineation shall be in place before opening the traveled way to public traffic. Centerline pavement delineation shall be provided for traveled ways open to public traffic.

Temporary pavement delineation shall be furnished, placed, maintained and removed in conformance with the provisions in Section 12-3.01, "General," of the Standard Specifications and these special provisions. Nothing in these special provisions shall be construed as reducing the minimum standards specified in the California MUTCD or as relieving the Contractor from the responsibilities specified in Section 7-1.09, "Public Safety," of the Standard Specifications.

After removing pavement delineation and before applying binder that would obliterate existing traffic stripes, temporary raised pavement markers shall be placed on the existing traffic stripes (except right edgelines) at intervals of not more than 24 feet. On double traffic stripes 2 markers shall be placed side by side, one on each stripe, at longitudinal intervals of not more than 24 feet. Prior to opening the lanes to uncontrolled traffic, the covers shall be removed from the temporary raised pavement markers.

Temporary raised pavement markers shall be, at the option of the Contractor, one of the temporary pavement markers listed for short term day/night use (14 days or less) for seal coats in "Prequalified and Tested Signing and Delineation Materials" of these special provisions.

The markers shall be placed in conformance with the manufacturer's installation procedure instructions.

Where "no passing" centerline pavement delineation is obliterated, the following "no passing" zone signing shall be installed prior to opening the lanes to public traffic. W20-1 (ROAD WORK AHEAD) signs shall be installed from 1,000 feet to 2,000 feet in advance of "no passing" zones. R4-1 (DO NOT PASS) signs shall

be installed at the beginning and at every 2,000-foot interval within "no passing" zones. For continuous zones longer than 2 miles, W7-3a or W71(CA) (NEXT \_\_\_\_\_ MILES) signs shall be installed beneath the W20-1 signs installed in advance of "no passing" zones. R4-2 (PASS WITH CARE) signs shall be installed at the end of "no passing" zones. The exact location of "no passing" zone signing will be as determined by the Engineer and shall be maintained in place until permanent "no passing" centerline pavement delineation has been applied. The signing for "no passing" zones shall be removed when no longer required for the direction of public traffic. The signing for "no passing" zones shall conform to the provisions in "Construction Area Signs" of these special provisions, except for payment.

Where stop bars or crosswalks are obliterated, temporary pavement markers shall be placed at the direction of the Engineer.

Temporary pavement delineation shall be maintained until replaced with permanent pavement delineation by County forces within 14 days of completion of micro-surfacing operations. Temporary pavement delineation shall be removed when, as determined by the Engineer, the temporary pavement delineation conflicts with the permanent pavement delineation.

Full compensation for furnishing, placing and maintaining temporary pavement delineation and the construction area signing specified for "no passing" zones and for removing and disposing of these signs and conflicting temporary raised pavement markers, when no longer required, shall be considered as included in the contract prices paid for the seal coat work and no separate payment will be made therefor.

#### 10-1.05.D CONSTRUCTION AREA SIGNS:

Construction area signs for temporary traffic control shall be furnished, installed, maintained, and removed when no longer required in conformance with the provisions in Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications and these Special Provisions.

Standard W20-1 (ROAD WORK AHEAD) and G20-2 (END ROAD WORK) signs shall be placed in advance of the work at each site and left onsite during non-working hours until the work at each site is complete. The W20-1 and G20-2 signs shall be stationary mounted sign supports as specified in Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications.

Encroachment permits for placement of construction area signs placed within the jurisdiction of adjacent agencies are the responsibility of the Contractor.

Attention is directed to the provisions in Section 8-1.01, "Prequalified and Tested Signing and Delineation Materials," of these Special Provisions. Type II retroreflective sheeting shall not be used on construction area sign panels. Type III, IV, VII, VIII, or IX retroreflective sheeting shall be used for stationary mounted construction area sign panels.

Unless otherwise shown on the Plans or specified in these Special Provisions, the color of construction area warning and guide signs shall have black legend and border on orange background.

The base material of construction area signs shall not be plywood. Used sign panels, in good repair as determined by the Engineer, may be furnished. If determined by the Engineer, signs damaged by any cause shall be replaced by the Contractor at the Contractor's own expense. Repair to construction area sign panels will not be allowed, except when approved by the Engineer. At nighttime under vehicular headlight illumination, sign panels that exhibit irregular luminance, shadowing, or dark blotches shall be immediately replaced at the Contractor's expense.

The Contractor shall notify the appropriate regional notification center (USA North, 1-800-227-2600) for operators of subsurface installations at least 2 business days, but not more than 14 days, prior to commencing excavation for construction area sign posts.

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. The post hole diameter, if backfilled with portland cement concrete, shall be at least 4 inches greater than the longer dimension of the post cross section.

The Contractor shall maintain accurate information on construction area signs. Signs that are no longer required shall be immediately covered or removed. Signs that convey inaccurate information shall be immediately replaced or the information shall be corrected. Covers shall be replaced when they no longer cover the signs properly. The Contractor shall immediately restore to the original position and location any sign that is displaced or overturned, from any cause, during the progress of work.

Signs damaged by any cause shall be repaired, or, if determined by the Engineer to be irreparable, replaced by the Contractor at the Contractor's expense.

"CONSTRUCTION AREA SIGNS" will be paid for on a lump sum basis in the manner specified in Section 12-4.01 of the Standard Specifications.

**10-1.05E PORTABLE CHANGEABLE MESSAGE SIGN:**

Portable changeable message signs (PCMSs) shall be furnished, placed, operated, and maintained at those locations where designated by the Engineer in conformance with the provisions in Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications and these Special Provisions.

The PCMSs shall be programmed as directed by the Engineer with messages for advance warning prior to construction operations, advisory warning during construction operations, and with other information as directed.

The PCMSs shall be placed and activated for advance warning to motorists in accordance with the requirements of Section 10-1.01, "Order of Work," of these Special Provisions.

"PORTABLE CHANGEABLE MESSAGE SIGN" will be measured and paid for by the unit in the manner specified in Section 12, "Construction Area Traffic control Devices", of the Standard Specifications.

10-1.06 EXISTING HIGHWAY FACILITIES:

The work performed in connection with various existing highway facilities shall conform to the provisions in Section 15, "Existing Highway Facilities," of the Standard Specifications and these Special Provisions.

10-1.06.A REMOVE PAVEMENT MARKERS:

Existing pavement markers, including underlying adhesive, when no longer require for traffic lane delineation as determined by the Engineer, shall be removed and disposed of.

Full compensation for removing and disposing of all existing raised pavement markers shall be considered as included in the contract prices paid for the micro-surfacing work and no separate payment will be made therefore.

10-1.06.B REMOVE YELLOW TRAFFIC STRIPE AND PAVEMENT MARKING (HAZARDOUS WASTE):

GENERAL

Summary

This work includes removing existing yellow thermoplastic and yellow painted traffic stripe and pavement marking at the locations shown on the plans. The residue from the removal of this material is a hazardous waste.

Residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking contains lead chromate. The average lead concentration is greater than or equal to 1000 mg/kg total lead or 5 mg/l soluble lead. When applied to the roadway, the yellow thermoplastic and yellow painted traffic stripe and pavement marking contained as much as 2.6 percent lead. Residue produced from the removal of this yellow thermoplastic and yellow painted traffic stripe and pavement marking contains heavy metals in concentrations that exceed thresholds established by the Health and Safety Code and 22 CA Code of Regs. For bidding purposes, assume that the residue is not regulated under the Federal Resource Conservation and Recovery Act (RCRA), 42 USC § 6901 et seq. Yellow thermoplastic and yellow paint may produce toxic fumes when heated.

Submittals

Lead Compliance Plan: Submit a lead compliance plan under Section 7-1.07, "Lead Compliance Plan," of the Standard Specifications.

For less complex projects, fast-track projects, or short construction periods, the time needed for submittal of the removal work plan may be changed to 7 days if instructed by district construction office.

Work Plan: Submit a work plan for the removal, containment, storage, and disposal of yellow thermoplastic and yellow painted traffic stripe and pavement marking for acceptance not less than 7 days prior to the start of the removal operations. The work plan must include:

1. Objective of the operation
2. Removal equipment
3. Procedures for removal and collection of yellow thermoplastic and yellow painted traffic stripe and pavement marking residue, including dust
4. Type of hazardous waste storage containers
5. Container storage location and how it will be secured
6. Hazardous waste sampling protocol and QA/QC requirements and procedures
7. Qualifications of sampling personnel
8. Analytical lab that will perform the analyses
9. CA Department of Toxic Substances Control (DTSC) registration certificate and California Highway Patrol (CHP) Biennial Inspection of Terminals (BIT) Program compliance documentation of the hazardous waste hauler that will transport the hazardous waste
10. Disposal site that will accept the hazardous waste residue

The Engineer will review the work plan within 5 business days of receipt.

Do not perform work that generates hazardous waste residue until the work plan has been accepted by the Engineer. The Engineer's review and acceptance does not waive any contract requirements and does not relieve the Contractor from complying with Federal, State, and local laws, regulations, and requirements.

Correct any rejected work plan and resubmit a corrected work plan within 5 business days of notification by the Engineer; at which time a new review period of 5 business days will begin.

Analytical Test Results: Submit analytical test results of the residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement

marking, including chain of custody documentation, for review and acceptance before:

1. Requesting the Engineer's signature on the waste profile requested by the disposal facility
2. Requesting the Engineer obtain an EPA ID no. for disposal
3. Removing the residue from the site

United States Environmental Protection Agency Identification Number Request: Submit a request for the U.S. EPA ID no. when the Engineer accepts analytical test results documenting that residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking is a hazardous waste.

Disposal Documentation: Submit receiving landfill documentation of proper disposal within 5 business days of residue transport from the project.

### CONSTRUCTION

Where grinding or other approved methods are used to remove yellow thermoplastic and yellow painted traffic stripe and pavement marking that will produce a hazardous waste residue, the removed residue, including dust, must be contained and collected immediately. Use a HEPA filter-equipped vacuum attachment operated concurrently with the removal operations or other equally effective approved methods for collection of the residue.

Edit the end of the 1st sentence adding language as needed to provide a storage location if no location is available within the project limits. Off-site storage of hazardous waste (outside of the project limits) is permitted only at storage facilities permitted by the Department of Toxic Substances Control (DTSC). Hazardous waste can be transported only by a registered hazardous waste hauler unless the Maintenance Transporter Variance (MTV) is used to consolidate the waste at a permitted Department hazardous waste generation point. When using the MTV the hazardous waste must be on the Department right of way during the entire transport process.

Store hazardous waste residue in labeled and covered containers at a storage facility permitted by the Department of Toxic Substances Control (DTSC). Transport hazardous waste is allowed only by a registered hazardous waste hauler. Labels must comply with the provisions of 22 CA Code of Regs §§66262.31 and 66262.32. Mark labels with:

1. Date the hazardous waste is generated
2. The words "Hazardous Waste"
3. Composition and physical state of the hazardous waste (for example, asphalt grindings with thermoplastic or paint)

4. The word "Toxic"
5. Name, address, and telephone no. of the Engineer
6. Contract no.
7. Contractor or subcontractor name

Use metal containers approved by the U.S. Department of Transportation for the transportation and temporary storage of the removed residue. Handle the containers such that no spillage occurs. Store containers in a secured enclosure. Acceptable secure enclosures include a locked chain link fenced area or a lockable shipping container located within the project limits until disposal as approved.

Make necessary arrangements to test the yellow thermoplastic and yellow paint hazardous waste residue as required by the disposal facility and these special provisions. Testing must include, at a minimum:

1. Total lead by EPA Method 6010B
2. Total chromium by US EPA Method 6010B series
3. Soluble lead by California Waste Extraction Test
4. Soluble chromium by California Waste Extraction Test
5. Soluble lead by Toxicity Characteristic Leaching Procedure
6. Soluble chromium by Toxicity Characteristic Leaching Procedure

From the 1st 220 gallons of hazardous waste or portion thereof if less than 220 gallons of hazardous waste are produced, a minimum of 4 randomly selected samples must be taken and analyzed individually. Samples must not be composited. From each additional 880 gallons of hazardous waste or portion thereof if less than 880 gallons are produced, a minimum of 1 additional random sample must be taken and analyzed. Use chain of custody procedures consistent with Chapter 9 of U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) while transporting samples from the project to the laboratory. Each sample must be homogenized before analysis by the laboratory performing the analyses. A sample aliquot sufficient to cover the amount necessary for the total and the soluble analyses must then be taken. This aliquot must be homogenized a 2nd time and the total and soluble analyses run on this aliquot. The homogenization process must not include grinding of the samples. Submit the name and location of the disposal facility that will be accepting the hazardous waste and the analytical laboratory along with the testing requirements not less than 5 business days before the start of removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking. The analytical laboratory must be certified by the CA Department of Public Health

Environmental Laboratory Accreditation Program for all analyses to be performed.

Contact the district hazardous waste technical specialist for assistance to determine the specific time limit for disposal of accumulated residue on each project. Determine days based on disposal facility location and necessary storage time for hazardous waste. Allow time for analysis and scheduling disposal with the landfill. Minimum recommended storage time is 30 days, maximum storage time allowed by law is 90 days.

After the Engineer accepts the analytical test results, dispose of yellow thermoplastic and yellow paint hazardous waste residue at a California Department of Toxic Substance Control permitted Class 1 disposal facility located in CA under the requirements of the disposal facility operator within 30 days after accumulating 220 pounds of residue and dust.

Recommended storage time if less than 220 pounds is generated is 30 days; maximum storage time allowed by law is 90 days.

If less than 220 pounds of hazardous waste residue and dust is generated in total, it must be disposed of within 30 days after the start of accumulation of the residue and dust.

Use a hazardous waste manifest and a transporter registered with the CA Department of Toxic Substance Control and in compliance with the CHP BIT Program. The Engineer will obtain the U.S. EPA ID no. and will sign all manifests as the generator within 2 business days of receiving and accepting the analytical test results and receiving your request for the U.S. EPA ID no.

If analytical test results demonstrate that the residue is a non-hazardous waste and the Engineer agrees, dispose of the residue at an appropriately permitted Class II or Class III facility under Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

#### MEASUREMENT AND PAYMENT

The contract price paid per linear foot for "REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPING" or per square foot for "REMOVE YELLOW THERMOPLASTIC TRAFFIC MARKING" includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all of the work involved in removal, containment, storage, and disposal, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Full compensation for (1) work plan for the removal, containment, storage, and disposal of yellow thermoplastic and yellow painted traffic stripe and pavement marking hazardous waste residue, (2) testing and analytical test results, (3) US EPA ID no. request, and (4) receiving landfill documentation of proper disposal are included in the contract prices paid per linear foot for "REMOVE YELLOW

THERMOPLASTIC TRAFFIC STRIPING” or per square foot for “REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING” and no separate payment will be made therefor.

Additional disposal costs for hazardous waste residue regulated under RCRA, as determined by test results, will be paid for as extra work as specified in Section 4-1.03D, "Extra Work," of the Standard Specifications.

If analytical test results demonstrate that the residue is a non-hazardous waste and the Engineer agrees to disposal at a non-hazardous waste disposal facility, no cost adjustment will be made.

10-1.07

MICRO-SURFACING:

GENERAL

Summary

This work includes mixing a polymer modified cationic micro-surfacing emulsion (MSE), water, additives, mineral filler, and aggregate and spreading the mixture on pavement.

Submittals

At least 10 days before starting micro-surfacing, submit a mix design and a mix design report of laboratory tests performed for the micro-surfacing materials. A representative of your laboratory performing the mix design and tests must sign the report. The Engineer reviews and approves the submittal before you start micro-surfacing.

Do not substitute materials after the mix design is approved unless the substitute materials are laboratory-tested and you submit a new mix design and report. Do not use substitute materials until the Engineer approves the mix design for those materials.

Submit a Certificate of Compliance with each MSE shipment as specified for asphaltic emulsion in Section 94-1.05, "Test Report," of the Standard Specifications.

Before micro-surfacing activities start, submit the name of a person authorized to communicate with the Engineer about days when unsuitable weather conditions prevent micro-surfacing.

Mix Design

A mix design consists of performing tests to determine the optimum mix proportions and micro-surfacing qualities. Use a laboratory to perform the mix design. The component materials used in the mix design must have the same qualities as the micro-surfacing materials used.

The mix design proportions must comply with:

Micro-Surfacing Mix Design Proportion Limits

Material	Proportion Limits
MSE residual asphalt	5.5 - 9.5% of aggregate dry weight
Water and additives	No limit
Mineral filler	0 - 3% of aggregate dry weight

Your laboratory must be capable of performing International Slurry Surfacing Association (ISSA) tests. The mix design must comply with:

Micro-Surfacing Mix Design Tests

Property	ISSA Test Method <sup>a</sup>	Specification
Wet Cohesion  @ 30 minute (set), minimum, kg-cm  @ 60 minute (traffic), minimum, kg-cm	TB 139	12  20
Excess asphalt, maximum, g/m <sup>2</sup>	TB 109	540
Wet stripping, minimum, %	TB 114	90
Wet track abrasion loss  6-day soak, maximum, g/m <sup>2</sup>	TB 100	810
Displacement  Lateral, maximum, %  Specific gravity after 1000 cycles of 57 kg, maximum	TB 147A	5  2.10
Classification compatibility, minimum, grade points	TB 144	(AAA, BAA) 11

Mix time @ 25 °C, minimum	TB 113	Controllable to 120 seconds
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Note:

<sup>a</sup> TB = Technical Bulletin

Mix Design Report

The mix design report must include:

1. Test results used in the mix design
2. Based on the aggregate's dry weight, the proportions of:
  - 2.1. Aggregate
  - 2.2. Water, minimum and maximum
  - 2.3. Additives
  - 2.4. Mineral filler, minimum and maximum
  - 2.5. MSE residual asphalt content, minimum and maximum
3. Based on heating the mixture to 100 °F and mixing for 60 seconds, any recommended changes to the proportions of:
  - 3.1. Water
  - 3.2. Additives
  - 3.3. Mineral filler

Do not recommend these changes when nighttime applications are specified or when atmospheric temperatures below 90 °F are forecast for daytime applications.
4. A comparison of each individual material's test results to its specified values. The Engineer accepts mix design reports prepared within the previous 12 months of this project's mix design report submittal if the test results are for the same materials.
5. The quantitative moisture effects on the aggregate's unit weight determined under ASTM C 29M.

Quality Control and Assurance

In the presence of the Engineer, calibrate each truck mounted mixer-spreader used. Notify the Engineer at least 5 business days before calibrating. Calibration must comply with the Department's Material Plant Quality Program (MPQP).

If the Department approves a truck mounted mixer-spreader, its calibration is valid for 6 months provided you:

1. Use the same truck verified with a unique identifying number
2. Use the same materials in compliance with the approved mix design
3. Do not perform any repair or alteration to the proportioning systems

Before using a variable rate emulsion pump, the pump must be calibrated and sealed in the calibrated condition under the MPQP.

Each aggregate grading and sand equivalent test must not represent more than the lesser of 300 tons or 1 day's micro-surfacing production.

Allow enough cure time for micro-surfacing to comply with the lane closure hours specified in "Maintaining Traffic" of these special provisions.

## MATERIALS

### Micro-Surfacing Emulsion

MSE consists of asphalt, polymer, and emulsifier solution. MSE must be homogenous.

Add polymer modifier to asphalt or emulsifier solution before emulsification. Polymer solids must be a minimum 3 percent by weight of MSE residual asphalt.

MSE must comply with:

Micro-Surfacing Emulsion

Property	Test Method	Specification
Viscosity @ 25 °C, SSF	AASHTO T 59	15 - 90 seconds
Sieve Test, maximum	AASHTO T 59	0.30%
Settlement, 5 days, maximum <sup>a</sup>	ASTM D 244	5%
Storage Stability, 1 day, maximum	AASHTO T 59	1%
Residue by Evaporation, minimum	California Test 331	62%

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Note:

<sup>a</sup> Waived if used within 48 hours of shipment.

Residue by evaporation must comply with:

Micro-Surfacing Emulsion Residue By Evaporation

Property	Test Method	Specification
G* @ 20 °C, 10 rad/sec, MPa	AASHTO T 315	Report Only
Penetration @ 25 °C	AASHTO T 49	40 - 90
Phase Angle @ 50 °C, 10 rad/sec, PA (maximum) - PA base	AASHTO T 315	Report Only
Softening Point, minimum, °C	AASHTO T 53	57
Stiffness @ -12 °C, MPa, and M-value	AASHTO T 313	Report Only

Water and Additives

Water or additives must not cause MSE to separate from micro-surfacing during application.

Mineral Filler

If portland cement is used as mineral filler, it must be any combination of Type I, Type II, or Type III cement under Section 90-2.01A, "Cement," of the Standard Specifications.

Aggregate

Aggregate must be free of:

1. Vegetable matter
2. Deleterious substances
3. Clay lumps
4. Oversized particles

Aggregate must be Type II. If you blend aggregate from different sources, each source's aggregate must comply with the aggregate specifications except grading.

Aggregate grading must comply with:

Aggregate Grading

Sieve Sizes	Percentage Passing	
	Type II	Type III
3/8 in.	100	100
No. 4	94 - 100	70 - 90
No. 8	65 - 90	45 - 70
No. 16	40 - 70	28 - 50
No. 30	25 - 50	19 - 34
No. 200	5 - 15	5 - 15

Aggregate properties excluding mineral filler must comply with:

Micro-surfacing Aggregate

Property	California Test	Specification
Sand equivalent, minimum	217	65
Durability index, minimum	229	65
Percentage of crushed particles, minimum <sup>a</sup>	205	95%
Los Angeles Rattler Loss at 500 rev., maximum <sup>b</sup>	211	35%

Notes:

<sup>a</sup> Crushed particles must have at least 1 fractured face.

<sup>b</sup> California Test 211 must be performed on the parent aggregate before crushing.

CONSTRUCTION

Proportioning

Using the approved mix design, proportion the micro-surfacing materials by volume.

Field conditions may require adjustments during construction. Obtain the Engineer's approval before adjusting proportions.

A belt feeder with an adjustable cutoff gate must proportion aggregate. The gate opening height must be determinable.

For the aggregate belt feeder, the delivery rate for any individual check run must not deviate more than 2 percent from the average of the rates of 3 runs of at least 3 tons each.

Proportion MSE using a positive displacement pump.

For the emulsion pump, the delivery rate for any individual check run must not deviate more than 2 percent from the average of the rates of 3 runs of at least 300 gallons each.

### Mixing and Spreading Equipment

#### General

Use Para 31 or 32 and delete the paragraph not used. For guidance refer to the MTAG.

Use a continuous self-loading mixing machine except you may use truck mounted mixer-spreaders on:

1. Radii
2. Side streets
3. Gore areas
4. Areas requiring hand work

In areas inaccessible to spreading equipment, spread the micro-surfacing mixture with hand tools. If micro-surfacing is placed with hand tools, first lightly dampen the area. Do not handle or shift the mixture.

#### Continuous Self-Loading Mixing Machine

Continuous self-loading mixing machine must be automatically sequenced and self-propelled. The mixing machine must deliver the micro-surfacing materials to a double shafted mixer and discharge the mixed product on a continuous flow basis. The mixing machine must have sufficient storage capacity for the micro-surfacing materials to maintain a continuous supply to the proportioning controls. The mixing machine must be self-loading without interrupting the micro-surfacing application. The mixing machine operator must have full control of forward and reverse speeds during application.

#### Truck Mounted Mixer-Spreaders

Truck mounted mixer-spreaders must proportion micro-surfacing materials by volume and mix them in continuous pugmill mixers. Before starting mixing and spreading activities, demonstrate:

1. Rotating and reciprocating equipment are covered with metal guards.
2. Indicators work and are visible while walking alongside the truck mounted mixer-spreader.
3. Low-flow and no-flow devices work.
4. The aggregate feeder's drive shaft is equipped with a revolution counter that reads to the nearest 0.10 of a revolution.

Aggregate feeders must be connected directly to the drive on the emulsion pump.

Truck mounted mixer-spreaders must display identifying numbers at least 3 inches in height on the front and rear of the truck.

The emulsion storage tank must have a thermometer at the pump suction level measuring the MSE temperature to within 10 °F accuracy.

The belt feeder delivering aggregate to the pugmill must have a device monitoring the aggregate depth. The device must automatically shut down the power to the belt feeder if the aggregate depth is less than the target depth. If the aggregate delivery belt is not an integral part of the drive chain, a second device must detect belt movement by monitoring revolutions of the belt feeder. This second device must automatically shut down power to the belt feeder if movement is interrupted. For both devices, shutdown may be delayed 3 seconds from sensing to allow for normal fluctuations.

### Spreader Box

Spreader box must be capable of spreading the micro-surfacing a minimum of 12 feet wide and preventing the loss of micro-surfacing. Spreader boxes over 8 feet in application width must have a device, such as baffles or reversible motor driven augers, to ensure uniform application on super-elevated sections and shoulder slopes. Clean micro-surfacing and MSE from the spreader box before each work shift.

The spreader box must have a series of strike-off devices at its rear.

The leading strike-off device must be:

1. Fabricated of a suitable material such as steel or stiff rubber
2. Designed to maintain close contact with the pavement during spreading
3. Capable of obtaining the specified thickness

4. Capable of being adjusted to the various pavement cross sections

The final strike-off device must be:

1. Fabricated of flexible material that produces a uniform texture in the finished surface
2. Cleaned daily and changed if longitudinal scouring occurs in the micro-surfacing

Do not use flexible drags attached to the rear of the spreader box.

#### Shoulder Equipment

Spread micro-surfacing on shoulders with a device such as an edge box that forms clean and straight joints and edges.

#### Scratch Course Box

Spread scratch course with the same type spreader box used to spread micro-surfacing except use an adjustable steel strike-off device instead of a final strike-off device.

#### Wheel Path Depression (Rut) Box

Wheel path depression (rut) boxes must have adjustable strike-off devices between 5 feet and 6 feet wide that regulate depth. The rut box must also have devices such as hydraulic augers capable of:

1. Moving the mixed material from the rear to the front of the filling chamber
2. Guiding larger aggregate into the deeper section of the wheel path depression
3. Forcing the finer material towards the outer edges of the spreader box

#### Weather Conditions

Delete last sentence if the project is not in snow area.

Only place micro-surfacing if both the pavement and air temperatures are at least 45 °F and rising. Do not place micro-surfacing if either the pavement or air temperature is below 50 °F and falling. The expected high temperature must be at least 65 °F within 24 hours after placement.

Do not place micro-surfacing if rain is imminent or the air temperature is expected to be below 36 °F within 24 hours after placement.

Before 4:00 p.m. on the day before your first intended day to perform micro-surfacing work, the Engineer may give you notice the first intended day is not suitable.

After you have started micro-surfacing activities, the Engineer has until 4:00 p.m. the day before the next working day to give you unsuitable day notice. If the Engineer gives you unsuitable day notice, do not apply micro-surfacing that day. On unsuitable days, the specifications for maintaining micro-surfacing already applied are not void. The Engineer does not count notified unsuitable days as micro-surfacing working days, regardless of the actual conditions or whether maintenance was performed.

Absence of an unsuitable day notice does not void the specifications restricting micro-surfacing application. Return, store, or dispose of any micro-surfacing materials you deliver to the job site when the conditions are unsuitable. The Engineer does not count a working day for micro-surfacing for a day when the conditions are unsuitable but you did not receive a notice.

If you fail to submit the name of a person authorized to communicate with the Engineer about unsuitable day notices, the specifications for payment and working days when a day is unsuitable but you did not receive a notice are void.

Delete Paras 54 through 56 if work will be completed in 1 day.

#### Test Strip

Construct a micro-surfacing test strip:

1. From 300 to 450 feet long
2. The same as the full production micro-surfacing
3. On one of the application courses specified at a location approved by the Engineer
4. At the same time of day or night the full production micro-surfacing is to be applied

If multiple application courses are specified, you may construct test strips over 2 days or nights.

The Engineer evaluates the test strip after traffic has used it for 12 hours. If the Engineer determines the mix design or placement procedure is unacceptable, make modifications and construct a new test strip for the Engineer's evaluation.

#### Preparation For Micro-surfacing

Remove loose particles of extraneous materials including paving and dirt by any non-destructive method including flushing or sweeping.

You may fog the roadway surface with water ahead of the spreader box. The fog spray must be adjusted for pavement:

1. Temperature
2. Surface texture
3. Dryness

Repair Wheel Path Depression

If repair wheel path depression is specified, before spreading micro-surfacing, fill wheel path depressions and irregularities with micro-surfacing material. If the depressions are less than 0.04 foot deep, fill with a scratch course. If the depressions are 0.04 foot deep or more, fill with a wheel path depression (rut) box.

Spread scratch course by adjusting the steel strike-off of a scratch course box until it is directly in contact with the pavement surface.

Spread micro-surfacing with a rut box leaving a slight crown at the surface. Use multiple applications to fill depressions more than 0.12 foot deep. Do not apply more than 0.12 foot in a single application.

Allow traffic to compact each wheel path depression application for a minimum of 12 hours before placing additional micro-surfacing.

Micro-surfacing Placement

Spread micro-surfacing in compliance with:

Micro-surfacing Spread Rates

Micro-surfacing Type	Location	Spread Rate Range (pounds of dry aggregate per sqyd)
Type II	Full Lane Width	10 - 20
Type III <sup>a</sup>	Full Lane Width	20 - 32
Type III <sup>b</sup>	Full Lane Width	30 - 32

Notes:

<sup>a</sup> Over asphalt concrete pavement

<sup>b</sup> Over portland cement concrete pavement and concrete bridge decks

Spread micro-surfacing either in the direction of traffic or in the opposite direction.

Keep hand tools available to remove spillage.

### Joints

Construct longitudinal and transverse joints on micro-surfacing that are:

1. Uniform
2. Straight
3. Neat in appearance
4. Butt-type joints
5. Without material build-up
6. Without uncovered areas

Place longitudinal joints:

1. On centerlines, lane lines, edge lines, or shoulder lines
2. With overlaps not more than 3 inches

Set the leading edge of roofing felt on transverse joints to create a straight butt-joint with the next application when the roofing felt is removed.

The maximum difference between the pavement surface and the bottom edge of a 12 foot straightedge placed perpendicular to the joint must be:

1. 0.04 foot for longitudinal joints
2. 0.03 foot for transverse joints

### Blotter Sand

Furnish and place blotter sand to protect the micro-surfacing and provide early access to traffic at driveways and intersections as directed by the Engineer.

### Finished Surface

Finish micro-surfacing to be free of irregularities such as scratch or tear marks. You may leave up to 4 marks that are 1/2 inch or more wide and 6 inches or more long per 75 linear feet of micro-surfacing placed. Do not leave any marks that are over 1 inch wide or 6 inches long.

Sweep micro-surfacing 24 hours after placement without damaging micro-surfacing. For 5 days afterward, sweep micro-surfacing daily.

### Repair Of Early Distress

If bleeding, raveling, delaminating, rutting, or washboarding occurs after placing the micro-surfacing, make repairs using a method approved by the Engineer.

### MEASUREMENT

Micro-surfacing is measured by the ton. The quantity determined for payment will be the combined weight of the aggregate and MSE used including test strips. The weight of added water and set-control additives will not be included as part of the quantity for payment.

Wheel path depression repair is measured by the ton of micro-surfacing used in the repair.

### PAYMENT

The contract item price paid per ton for "MICRO-SURFACING (TYPE II)" includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in micro-surfacing, complete in place, including developing and submitting mix designs, cleaning pavement, and furnishing and placing blotter sand, as shown on the plans, as specified in the Standard Specifications and these special provisions and as directed by the Engineer.

The Department pays for grinding existing asphalt concrete pavement to prepare the surface for micro-surfacing and removing and disposing of the grinding residue as extra work under Section 4-1.03D, "Extra Work," of the Standard Specifications.

If you request and the Engineer approves, micro-surfacing failing aggregate grading or sand equivalent tests may remain in place and the Department reduces payments by \$2.00 per ton for the micro-surfacing represented by those tests. If the aggregate fails both the aggregate grading and sand equivalent tests, the Department reduces payment by \$4.00 per ton for the micro-surfacing represented by those tests.

The Department pays for wheel path depression repair as extra work under Section 4-1.03D, "Extra Work," of the Standard Specifications.

If the Engineer determines a day to be unsuitable after 4:00 p.m. the previous day, the Department pays you for the return, storage, or disposal of micro-surfacing emulsion and aggregate delivered to the job site. The Department also pays for the time of workers who would have applied micro-surfacing and are not required for micro-surfacing maintenance. The Department determines this payment under Section 9-1.03, "Force Account Payment," of the Standard Specifications except markups are not added.

If the Engineer determines a test strip unacceptable, the Department does not pay for the test strip:

1. Materials
2. Placement
3. Removal, if ordered by the Engineer

10-1.08 FOG SEAL COAT:

Fog seal coat shall conform to the provisions in Section 37-1, "Seal Coats," of the Standard Specifications and these special provisions.

Fog seal coat shall be applied to dikes, shoulders, overside drains, and other AC surfaces as designated on the plans and as directed by the Engineer.

Attention is directed to "Order of Work" of these special provisions regarding application of asphaltic emulsion.

Asphaltic emulsion shall be Grade SS1h.

“ASPHALTIC EMULSION (FOG SEAL COAT) will be measured and paid for by the ton in the manner specified in Section 37-1, “Seal Coats,” of the Standard Specifications.

No adjustment in compensation will be made for any increase or decrease in the quantities of asphaltic emulsion (fog seal coat), regardless of the reason for the increase or decrease. The provisions in Section 4-1.03B, “Increased or Decreased Quantities,” of the Standard Specifications shall not apply to the items of asphaltic emulsion (fog seal coat).







- 2.4. Federal unemployment insurance
  - 2.5. State unemployment insurance
  - 2.6. State training taxes
3. Subsistence and travel allowances paid to the workers
  4. Employer payment to supervisors, if authorized

The 35 percent markup consists of payment for all overhead costs related to labor but not designated as costs of labor used in the direct performance of the work including:

1. Home office overhead
2. Field office overhead
3. Bond costs
4. Profit
5. Labor liability insurance
6. Other fixed or administrative costs that are not costs of labor used in the direct performance of the work

### **9-1.03C Materials**

Material payment is full compensation for materials you furnish and use in the work. The Engineer determines the cost based on the material purchase price, including delivery charges, except:

1. A 15 percent markup is added.
2. Supplier discounts are subtracted whether you took them or not.
3. If the Engineer believes the material purchase prices are excessive, the Department pays the lowest current wholesale price for a similar material quantity.
4. If you procured the materials from a source you wholly or partially own, the determined cost is based on the lower of the:
  - 4.1. Price paid by the purchaser for similar materials from that source on Contract items
  - 4.2. Current wholesale price for those materials
5. If you do not submit a material cost record within 30 days of billing, the determined cost is based on the lowest wholesale price:
  - 5.1. During that period
  - 5.2. In the quantities used

### **9-1.03D Equipment Rental**

#### **9-1.03D(1) General**

Equipment rental payment is full compensation for:

1. Rental equipment costs, including moving rental equipment to and from the site of work performed by change order using its own power.
2. Transport equipment costs for rental equipment that cannot be transported economically using its own power. No payment is made during transport for the transported equipment.
3. 15 percent markup.

If you want to return the equipment to a location other than its original location, the payment to move the equipment must not exceed the cost of returning the equipment to its original location. If you use the equipment for work other than work paid by force account, the transportation cost is included in the other work.

Before moving or loading the equipment, obtain authorization for the equipment rental's original location. The Engineer determines rental costs:

1. Using rates in Labor Surcharge and Equipment Rental Rates:
  - 1.1. By classifying equipment using manufacturer's ratings and manufacturer-approved changes.
  - 1.2. Current during the work paid by force account.

- 1.3. Regardless of equipment ownership; but the Department uses the rental document rates or minimum rental cost terms if:
  - 1.3.1. Rented from equipment business you do not own.
  - 1.3.2. The Labor Surcharge and Equipment Rental Rates hourly rate is \$10.00 per hour or less.
2. Using rates established by the Engineer for equipment not listed in Labor Surcharge and Equipment Rental Rates. You may submit cost information that helps the Engineer establish the rental rate; but the Department uses the rental document rates or minimum rental cost terms if:
  - 2.1. Rented from equipment business you do not own.
  - 2.2. The Engineer establishes a rate of \$10.00 per hour or less.
3. Using rates for transport equipment not exceeding the hourly rates charged by established haulers.

Equipment rental rates include the cost of:

1. Fuel
2. Oil
3. Lubrication
4. Supplies
5. Small tools that are not consumed by use
6. Necessary attachments
7. Repairs and maintenance
8. Depreciation
9. Storage
10. Insurance
11. Incidentals

The Department pays for small tools consumed by use. The Engineer determines payment for small tools consumed by use based on Contractor-submitted invoices.

#### **9-1.03D(2) Equipment On the Job Site**

For equipment on the job site at the time required to perform work paid by force account, the time paid is the time:

1. To move the equipment to the location of work paid by force account plus an equal amount of time to move the equipment to another location on the job site when the work paid by force account is completed
2. To load and unload equipment
3. Equipment is operated to perform work paid by force account and:
  - 3.1. Hourly rates are paid in 1/2-hour increments
  - 3.2. Daily rates are paid in 1/2-day increments

When rented equipment on the job site is used to perform work at force account not required by the original contract work, the Engineer may authorize rates in excess of those in Labor Surcharge and Equipment Rental Rates if:

1. You submit a request to use rented equipment
2. Equipment is not available from your owned equipment fleet or from your subcontractors
3. Rented equipment is from an independent rental company
4. Proposed equipment rental rate is reasonable
5. Engineer authorizes the equipment source and the rental rate before you use the equipment

The Department pays for fuel consumed during operation of rented equipment not included in the invoiced rental rate.

**9-1.03D(3) Equipment Not On the Job Site Required for Original Contract Work**

For equipment not on the job site at the time required to perform work paid by force account and required for original Contract work, the time paid is the time the equipment is operated to perform work paid by force account and the time to move the equipment to a location on the job site when the work paid by force account is completed.

The minimum total time paid is:

1. 1 day if daily rates are paid
2. 8 hours if hourly rates are paid

If daily rates are recorded, equipment:

1. Idled is paid as 1/2 day
2. Operated 4 hours or less is paid as 1/2 day
3. Operated 4 hours or more is paid as 1 day

If the minimum total time exceeds 8 hours and if hourly rates are listed, the Department rounds up hours operated to the nearest 1/2-hour increment and pays based on the following table. The table does not apply when equipment is not operated due to breakdowns; in which case rental hours are the hours the equipment was operated.

**Equipment Rental Hours**

Hours operated	Hours paid
0.0	4.00
0.5	4.25
1.0	4.50
1.5	4.75
2.0	5.00
2.5	5.25
3.0	5.50
3.5	5.75
4.0	6.00
4.5	6.25
5.0	6.50
5.5	6.75
6.0	7.00
6.5	7.25
7.0	7.5
7.5	7.75
≥8.0	hours used

**9-1.03D(4) Equipment Not On the Job Site Not Required for Original Contract Work**

For equipment not on the job site at the time required to perform work paid by force account and not required for original Contract work, the time paid is the time:

1. To move the equipment to the location of work paid by force account plus an equal amount of time to return the equipment to its source when the work paid by force account is completed
2. To load and unload equipment
3. Equipment is operated to perform work paid by force account

For this equipment, the Engineer may authorize rates in excess of those in Labor Surcharge and Equipment Rental Rates subject to the following:

1. Equipment is not available from your normal sources or from one of your subcontractors
2. Proposed equipment rental rate is reasonable
3. Engineer authorizes the equipment source and the rental rate before you use the equipment



**Replace Section 14 with:**  
**SECTION 14 ENVIRONMENTAL STEWARDSHIP**

**14-1 GENERAL**

**14-1.01 GENERAL**

Environmental stewardship includes both environmental compliance and environmental resource management. If an ESA is shown on the plans:

1. The boundaries shown are approximate; the Department marks the exact boundaries on the ground
2. Do not enter the ESA unless authorized
3. If the ESA is breached, immediately:
  - 3.1. Secure the area and stop all operations within 60 feet of the ESA boundary
  - 3.2. Notify the Engineer
4. If the ESA is damaged, the Department determines what efforts are necessary to remedy the damage and who performs the remedy; you are responsible for remedies and charges.

**14-2 CULTURAL RESOURCES**

**14-2.01 GENERAL**

Reserved

**14-2.02 ARCHAEOLOGICAL RESOURCES**

If archaeological resources are discovered at the job site, do not disturb the resources and immediately:

1. Stop all work within a 60-foot radius of the discovery
2. Protect the discovery area
3. Notify the Engineer

The Department investigates. Do not move archaeological resources or take them from the job site. Do not resume work within the discovery area until authorized.

If, in the opinion of the Engineer, completion of the work is delayed or interfered with by reason of an archaeological find, or investigation or recovery of archeological materials, you will be compensated for resulting losses, and an extension of time will be granted, in the same manner as provided for in Section 8-1.09, "Right of Way Delays."

If ordered, furnish resources to assist in the investigation or recovery of archaeological resources. This work will be paid for as extra work as specified in Section 4-1.03D, "Extra Work."

**14-2.03 ARCHAEOLOGICAL MONITORING AREA**

Section 14-2.03 applies if an AMA is described in the Contract.

The Department assigns an archaeological monitor to monitor job site activities within the AMA. Do not work within the AMA unless the archeological monitor is present.

The Engineer and the Department archaeological monitor conduct an AMA location field review with you at least 5 business days before start of work. The Department marks the exact boundaries of the AMA on the ground.

If temporary fence (Type ESA) or other enclosure for an AMA is described in the Contract, install temporary fence (Type ESA) or other enclosure to define the boundaries of the AMA during the AMA location field review.

At least 5 business days before starting work within an AMA, submit a schedule of days and hours to be worked for the Engineer's approval. If you require changes in the schedule, submit an update for the Engineer's approval at least 5 business days before any changed work day.

If archaeological resources are discovered within an AMA, comply with Section 14-2.02, "Archaeological Resources."

**14-2.04 HISTORIC STRUCTURES**

Reserved

**14-3 COMMUNITY IMPACTS AND ENVIRONMENTAL JUSTICE**

Reserved

## **14-4 NATIVE AMERICAN CONCERNS**

Reserved

## **14-5 AESTHETICS**

Reserved

## **14-6 BIOLOGICAL RESOURCES**

### **14-6.01 GENERAL**

Reserved

### **14-6.02 BIRD PROTECTION**

Protect migratory and nongame birds, their occupied nests, and their eggs.

The Department anticipates nesting or attempted nesting from February 15 to September 1.

The federal Migratory Bird Treaty Act, 16 USC § 703–711, and 50 CFR Pt 10 and Fish & Game Code §§ 3503, 3513, and 3800 protect migratory and nongame birds, their occupied nests, and their eggs.

The federal Endangered Species Act of 1973, 16 USC §§ 1531 and 1543, and the California Endangered Species Act, Fish & Game Code §§ 2050–2115.5, prohibit the take of listed species and protect occupied and unoccupied nests of threatened and endangered bird species.

The Bald and Golden Eagle Protection Act, 16 USC § 668, prohibits the destruction of bald and golden eagles and their occupied and unoccupied nests.

If migratory or nongame bird nests are discovered that may be adversely affected by construction activities or an injured or killed bird is found, immediately:

1. Stop all work within a 100-foot radius of the discovery.
2. Notify the Engineer.

The Department investigates. Do not resume work within the specified radius of the discovery until authorized.

When ordered, use exclusion devices, take nesting prevention measures, remove and dispose of partially constructed and unoccupied nests of migratory or nongame birds on a regular basis to prevent their occupation, or perform any combination of these. This work will be paid for as extra work as specified in Section 4-1.03D, "Extra Work."

Prevent nest materials from falling into waterways.

Bird protection that causes a delay to the controlling activity is a condition unfavorable to the suitable prosecution of work as specified in Section 8-1.05, "Temporary Suspension of Work."

## **14-7 PALEONTOLOGICAL RESOURCES**

If paleontological resources are discovered at the job site, do not disturb the material and immediately:

1. Stop all work within a 60-foot radius of the discovery
2. Protect the area
3. Notify the Engineer

The Department investigates and modifies the dimensions of the protected area if necessary. Do not move paleontological resources or take them from the job site. Do not resume work within the specified radius of the discovery until authorized.

## **14-8 NOISE AND VIBRATION**

### **14-8.01 GENERAL**

Reserved

### **14-8.02 NOISE CONTROL**

Do not exceed 86 dBA LMax at 50 feet from the job site activities from 9 p.m. to 6 a.m.

Equip an internal combustion engine with the manufacturer-recommended muffler. Do not operate an internal combustion engine on the job site without the appropriate muffler.







**SECTION 12. ENVIRONMENTAL PERMIT SUMMARY FORM**





# SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS

Paavo Ogren, Director

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County Government Center, Room 207 • San Luis Obispo CA 93408 • (805) 781-5252

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Fax (805) 781-1229

email address: [pwd@co.slo.ca.us](mailto:pwd@co.slo.ca.us)

## ENVIRONMENTAL PERMIT SUMMARY FORM

**Date:** May 17, 2013

**To:** Don Spagnolo, P.E., Project Manager

**From:** Eric Wier, Environmental Resource Specialist *EW*

**Subject:** **Environmental Review & Permit Status for the 2013 Microsurfacing Project; ED12-182 (245R12B614)**

The environmental review and regulatory permit processes for the above referenced project are complete. The following is a summary of the environmental requirements for the project:

Permit	Status	Attachments?
CEQA Review	Categorically Exempt – February 27, 2013	X
NEPA Review	Not applicable, no federal permits or funding	
Coastal Permit	Exempt – repair and maintenance – May 17, 2013	X
CZMA	Not applicable, no federal action	
CDFW 1601	Not applicable	
USACOE 404	Not applicable, no fill in “waters of the United States”	
NMFS ESA	Not applicable, no listed species effects	
USFWS ESA	Not applicable, no listed species effects	
RWQCB 401	Not applicable, no 404 permit required	
NPDES	Not applicable	

Measure #	Special Environmental Conditions	Responsibility: Contractor, County or Both
1	Please notify the Environmental Programs Division if the project description changes.	County



# NOTICE OF EXEMPTION

SAN LUIS OBISPO COUNTY DEPARTMENT OF PLANNING AND BUILDING  
976 OSOS STREET • ROOM 200 • SAN LUIS OBISPO • CALIFORNIA 93408 • (805) 781-5600

*Promoting the Wise Use of Land • Helping to Build Great Communities*

(ENDORSED)  
**FILED**

2013 Microsurfacing Project (various County roads); ED12-182 (245R12B614)

**Project Title**

MAY 08 2013

Avila Beach, Cambria, and Templeton areas

**Project Location - Specific**

JULIE L. RODEWALD COUNTY CLERK  
BY **MANS THIEL**  
DEPUTY CLERK

San Luis Obispo

**Project Location - County**

Prepare and apply microsurfacing to approximately 24 miles of County-maintained asphalt concrete roadways. The work will help preserve the existing pavement and increase its useful life.

**Description of Nature, Purpose and Beneficiaries of Project**

County of San Luis Obispo (see address above)

**Name of Public Agency Approving Project**

Department of Public Works, County Government Center Room 207, San Luis Obispo, CA 93408

**Name of Person or Agency Carrying Out Project**

**Exempt Status: (Check One)**

- Ministerial {Sec. 21080(b)(1); 15268}
- Declared Emergency {Sec. 21080(b)(3); 15269(a)}
- Emergency Project {Sec. 21080(b)(4); 15269(b)(c)}
- Categorical Exemption. {Sec. 15301; Class: (c) }
- Statutory Exemption {Sec.       }

**Reasons why project is exempt:** Maintenance of existing public facilities that will involve no expansion of existing use and will not significantly affect any environmental resources

Eric Wier

805-788-2766

**Lead Agency Contact Person**

**Telephone**

**If filed by applicant:**

- Attach certified document of exemption finding
- Has a notice of exemption been filed by the public agency approving the project?  
Yes  No

Signature Ellen Carroll Date May 8, 2013

Name (Print) Ellen Carroll Title Sno. Coordinator



# SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS

Paavo Ogren, Director

County Government Center, Room 207 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.us

## Memorandum

**Date:** May 9, 2013

**To:** Nancy Orton, Division Manager

**From:** Eric Wier, Environmental Resource Specialist *EW*

**Subject:** Request for Coastal Permit Determination: 2013 Microsurfacing Project; D12-182 (245R12B614)

2013 MAY - 9 AM 10:49  
 SLUCNTY  
 PLANNING/BUILDING  
 DEPT

The purpose of this memorandum is to request your determination as to the need for a coastal permit for the above referenced project.

### **Project Description:**

The Department of Public Works is proposing to apply microsurfacing on approximately 24 miles of County roads in four areas of the County, including Avila Beach and Cambria (see attached table). The Project involves: 1) preparing the road surfaces by sweeping away any loose dust and debris, and 2) applying the microsurfacing material, which consists of: polymer modified asphalt emulsion, aggregate, mineral filler, water and additives. The microsurfacing treatment will help preserve the pavement's existing condition and extend its useful life.

The microsurfacing will occur on existing paved roadways, which have been highly disturbed by previously constructed improvements. No cultural resources and no other sensitive biological resources are present. The Environmental Coordinator has determined that the project is categorically exempt pursuant to CEQA.

### **Project Location:**

~~The project site is at the intersection of Main Street and Cambria Drive in the community of Cambria.~~ *n/a*

The project described above is exempt from the land use permit requirements of Title 23 of the San Luis Obispo County Code for the following reason(s):  
Section 23.01.030 d repair maintenance

- The project described above is NOT exempt from the permit requirements of Title 23 of the San Luis Obispo County Code. Please forward a complete Coastal Development Permit application to us as soon as possible. No work can commence until a permit has been granted.
- This project also requires a Coastal Development Permit from the Coastal Commission.

Comments:

*Paavo Ogren*  
Signature

5/17/13  
Date

2013 Microsurfacing Project										Notes:								
Various County Road										Count signs								
Contract No. 245R12B614										Check Caltrans RWY Limits								
Estimated Quantities										Check Thermo quantity at Tablas								
										Remove		Remove		Remove				
										Thermoplastic Striping (LF)		Thermoplastic Markings (SF)		Pavement Markers (EA)				
										Weight (Tons)		Weight (Tons)		Weight (EA)				
										Fog Seal Dikes, etc. (LF)		Area (SY)		Area (SY)				
										Length (LF)		Area (SY)		Area (SY)				
										Microsurfacing (Type II) (Tons)		Weight (Tons)		Weight (EA)				
										Lb/SY		Gal/SY		Gal/Ton				
										Spread rate →								
										Average Width (LF)		Paved Area (SY)						
										Length (LF)								
										From		To						
										Road								
<b>Site 1 – Avila Beach Area</b>																		
Avila Beach Drive	San Luis Creek Bridge	Monte Road	17,500	40.21	78,186	625	6,600	880	0.18	-	-	-	-	-	1,500			
Fern Canyon Lane	Squire Canyon Road	South end	480	24.60	1,312	10	-	-	-	-	-	-	-	-	-			
Higuera Street	Highway 101 offramp	San Luis Creek Bridge	2,120	33.00	7,773	62	2,120	233	0.06	-	-	-	-	180				
Monte Road	San Luis Bay Drive	Avila Beach Drive	11,120	20.25	25,020	200	6,800	907	0.19	-	-	-	-	600				
San Luis Bay Drive	Avila Beach Drive	Monte Road	8,720	37.39	36,227	290	1,100	147	0.03	-	-	-	-	800				
Squire Canyon Road	Monte Road	East end	1,600	21.73	3,863	31	-	-	-	-	-	-	-	-				
		Subtotals	41,540		152,381	1,219	16,620	2,216	0.46	-	-	-	-	180	2,900			
			7.87	Miles														
<b>Site 2 – Northwest Cambria</b>																		
Bristol Street	Nottingham Drive	Pembroke Drive	1,020	22.59	2,560	20	150	20	0.00	-	-	-	-	68				
Bryan Place	Windsor Boulevard	End	230	48.53	1,240	10	-	-	-	-	-	-	-	-				
Cambridge Street	Nottingham Drive	Guildford Drive	1,820	23.69	4,791	38	2,040	272	0.06	-	-	-	-	76				
De Vautt Place	Windsor Boulevard	West end	290	46.63	1,503	12	-	-	-	-	-	-	-	-				
Dorset Street	Nottingham Drive	Guildford Drive	1,750	22.06	4,289	34	450	60	0.01	-	-	-	-	68				
Guildford Drive	Plymouth Street	Huntington Road	1,220	21.25	2,881	23	500	67	0.01	-	-	-	-	-				
Hastings Street	Nottingham Drive	Guildford Drive	1,672	22.26	4,135	33	-	-	-	-	-	-	-	68				
Huntington Road	Nottingham Drive	Plymouth Street	2,920	21.27	6,901	55	2,200	233	0.06	-	-	-	-	68				
Lancaster Street	Nottingham Drive	Guildford Drive	1,780	22.36	4,422	35	820	109	0.02	-	-	-	-	68				
Leighton Street	Nottingham Drive	Guildford Drive	1,960	22.29	4,854	39	800	107	0.02	-	-	-	-	68				
Murray Place	Windsor Boulevard	West end	100	32.00	356	3	-	-	-	-	-	-	-	-				
Norfolk Street	Windsor Boulevard	Pembroke Drive	880	21.68	2,120	17	80	11	0.00	-	-	-	-	34				
Nottingham Drive	Huntington Road	North end	1,920	20.62	4,399	35	500	67	0.01	-	-	-	-	-				
Pembroke Drive	Windsor Boulevard	Huntington Road	2,440	21.16	5,737	46	1,270	169	0.04	-	-	-	-	68				
Plymouth Street	Nottingham Drive	South end Guildford Drive	3,010	20.95	7,007	56	2,000	267	0.06	-	-	-	-	136				
Walbridge Drive	Windsor Boulevard	East end	100	32.00	356	3	-	-	-	-	-	-	-	-				
Whitehall Avenue	Huntington Road	Cambridge Street	1,080	20.76	2,491	20	500	67	0.01	-	-	-	-	-				
Windsor Boulevard	Santa Rosa Creek Bridge	South end	5,320	35.52	20,996	168	3,300	440	0.09	-	-	-	-	1,400.00				
Worcester Drive	Nottingham Drive	Huntington Road	2,400	21.86	5,829	47	800	107	0.02	-	-	-	-	68				
		Subtotals	31,912		86,866	695	15,410	2,055	0.43	-	-	-	-	790	1,400			
			6.04	Miles														





**APPENDIX A.**  
**SURVEY MONUMENTS**



**MICROSURFACING 2013 - VARIOUS ROADS - SURVEY MONUMENT REVIEW - 245R12B614**

*(record survey monuments within area of pavement that may be covered by application of chip seal)*

**MAP REF      MONUMENT DESCRIPTION (note: MP values per GIS, Lineal Feet per Engineer's qty schedule)      COMMENTS**

note: only monuments within the paved roadway are considered to be at risk - ROW or other monuments outside the roadway surface are disregarded for this inventory

**AVILA BEACH DRIVE - San Luis Obispo Creek Bridge to Monte Rd**

100-RS-44	NONE
54-PM-73	NONE
75-RS-56	NONE
71-RS-78	NONE
50-RS-42	Sht 8 of 10, SPIKE & SHINER @ Old Sta 59+64.25 SUPERSEDED - NOW MON WELL per Street View
Doc 47256	Mon well @ Int San Luis Bay Drive, see M6 , confirmed on Street View
Doc 47257	Mon wells @ 50+80.90, 59+64.25 see M7, M12, confirmed on Street View
87-RS-14	NONE
14-PM-71	NONE
82-RS-72	see P1 & P2 - MON WELLS - INT ONTARIO AND 310 FT SE'LY
Doc 49775	MON WELL 36+01.02 (int Ontario) & 42+63.10 (Bk) EC confirmed on Street View
50-PM-96	NONE

Avila Beach Drive total = 8

**SAN LUIS BAY DRIVE - Avila Beach Drive to Monte Rd**

?	WELL MONS - 4 @BCs & ECs northerly from SLO Creek
TR 1497	DOC 36123, 36124 NONE, 36125 EC & BC each side of Bay Laurel int (see WELL MONS above)
17-MB-59	NONE (TR 1484)
54-PM-52	NAIL AT SEE CYN INT
71-RS-38	NONE
72-RS-16	NONE
11-RS-64	NONE
17-MB-13	NONE (TR 1612)
6-PM-58	NONE
10-MB-12	NONE (TR 699 AVILA VALLEY ESTATES)

San Luis Bay Drive total = 4

**MONTE ROAD - Avila Beach Drive to San Luis Bay Drive**

40-PM-34	NONE
40-PM-75	NONE
72-RS-3	3 rebar w/tag - SHOWN IN CL OF ROW

Monte Road total =3

**SQUIRE CANYON RD - San Luis Bay Drive to east end**

89-RS-19	REBAR AT INT MONTE RD - (is it in the pavement?)
52-PM-75	NONE
29-PM-23	NONE
23-PM-99	NONE
52-PM-61	NONE
18-PM-17	NONE

Squire Canyon Rd total = 1

**SITE 1 REVIEW COMPLETED 5/31/13**

**Avila Area total = 16**

**MICROSURFACING 2013 - VARIOUS ROADS - SURVEY MONUMENT REVIEW - 245R12B614**

(record survey monuments within area of pavement that may be covered by application of chip seal)

**MAP REF MONUMENT DESCRIPTION (note: MP values per GIS, Lineal Feet per Engine COMMENTS**

notes: only monuments within the paved roadway are considered to be at risk - ROW or other monuments outside the roadway surface are disregarded for this inventory  
GSV=Google Street View

**WINDSOR BLVD**

73-RS-25	3 MON WELLS (@ MURRAY PL AND 2 SOUTHERLY) (PER 7-MB-7)	
71-RS-34	2 MON WELLS (@ DE VAULT INT & 1 N'LY) (PER 7-MB-7)	
68-RS-38	4 MON WELLS (1 @ WALLBRIDGE, 3 OTHERS) (PER 7-MB-7)	
64-RS-39	3 MON WELLS (PER 7-MB-7)	
58-RS-22	3 MON WELLS (PER 7-MB-7)	
53-RS-08	2 MON WELLS (PER 7-MB-7)	
52-RS-57	3 MON WELLS (PER 7-MB-7)	
48-RS-46	1 MON WELL (PER 7-MB-7)	
39-RS-100	3 MON WELLS (PER 7-MB-7)	
37-RS-75	2 MON WELLS (PER 7-MB-7) @ LEIGHTON INT & WORCESTER INT	(both confirmed on GSV)
37-RS-60	3 MON WELLS (PER 7-MB-7)	
35-RS-24	MON WELL @ WINDSOR/WINDSOR	(appears to be in parking lot of Shamel Park beyond ETW per GSV)

Note: All Windsor Monuments are per 7-MB-7, total 10

**PEMBROOK DRIVE (FORMERLY MANCHESTER)**

79-RS-90	NONE	
105-RS-39	NONE	
82-RS-83	5/8 REBAR @ PI WLY CORNER HASTINGS, RCE 23575 NO REC	nothing visible in GSV possibly under AC overlay
16-RS-72	NAIL+SHINER @ WINDSOR INT	(Now a Mon well @ wly ETW per GSV)

Pembrook total = 2

**NORFOLK ST**

16-RS-72	NAIL+SHINER @ WINDSOR INT	(search - may actually be at AC Dwy/ETW)
----------	---------------------------	--

**BRISTOL ST**

67-RS-39	NONE	
66-RS-93	NONE	
66-RS-48	NONE	
16-RS-72	2X2 27" DEEP @ WINDSOR INT -	possibly now a Mon well @ NW return per GSV

**PLYMOUTH ST**

70-RS-03	NONE	
37-RS-93	NAIL @ INT NOTTINGHAM	mon well visible in GSV at NE return
??		WELL @ wly ETW visible in GSV - MON OR WV ?

Plymouth total = 2

**CAMBRIDGE ST**

76-RS-69	NONE	
----------	------	--

**HASTINGS ST**

**DORSET ST**

22-RS-42	SPIKE & SHINER @ WHITEHALL INT	nothing visible in GSV
----------	--------------------------------	------------------------

**LANCASTER**

**LEIGHTON ST**

**WORCESTER DR**

75-RS-32	WELL MON @ WINDSOR	
----------	--------------------	--

**HUNTINGTON RD**

40-RS-23	N+T @PEMBROOK INT	not visible in GSV, 1980 survey, probably under AC overlay
----------	-------------------	--

**NOTTINGHAM DR**

47-RS-58	PIPE W BCAP @CAMBRIDGE INT (37-RS-93 ALSO)	not visible in GSV, probably under AC overlay
47-RS-05	PK+TIN @ BRISTOL (SET PER 46-RS-16)	not visible in GSV, 1983 survey, probably under AC overlay
46-RS-16	BRASS CAP IN MON BOX @ HASTINGS (PER 29-RS-58)	not visible in GSV, probably under AC overlay
37-RS-93	BRASS CAP @ HASTINGS INT (PER 29-RS-58)	not visible in GSV, probably under AC overlay
34-RS-76	2 WELL MONS @ CAMBRIDGE & HASTINGS (29-RS-58 ALSO)	not visible in GSV, probably under AC overlay

**GUILFORD DR**

**DE VAULT PL**

71-RS-34	MON WELL AT END (PER 7-MB-7)	
	Total = 1	

**BRYAN PL**

39-RS-100	MON WELL AT END (PER 7-MB-7)	
	Total = 1	

**SITE 2 REVIEW COMPLETED 6/24/13**

**NW Cambria total = 16**

**MICROSURFACING 2013 - VARIOUS ROADS - SURVEY MONUMENT REVIEW - 245R12B614**

*(record survey monuments within area of pavement that may be covered by application of chip seal)*

**MAP REF      MONUMENT DESCRIPTION (note: MP values per GIS, Lineal Feet per Engineer's qty schedule)      COMMENTS**

note: only monuments within the paved roadway are considered to be at risk - ROW or other monuments outside the roadway surface are disregarded for this inventory

WARREN      NO ORIGINAL street mons in Cambria Pines Estates 5-MB-  
ORLANDO  
KENNETH  
OXFORD  
ARDATH  
TRENTON  
LEONA DR  
PINERIDGE DR  
BANBURY CT  
MALVERN AVE

DRAKE      SUNSET VIEW - TRACT 61, 5-MB-78      No street monuments referenced on subsequent RS or CR  
                 none  
MADISON      none  
BENSON      none

PINERIDGE      CAMBRIA PINES MANOR UNIT 4 (5-MB-13)      No street monuments on subdiv map, spot check indicates no street monuments referenced on subsequent RS or CR  
MALVERN  
BANBURY  
LEONA  
etc

WILTON      CAM PINES MANOR UNIT 4 (5-MB-13)  
ANDOVER      Monuments per Book A County Surveyor Page 10  
BLYTHE  
NEWTON  
LATHAM  
DORME

total 17, most confirmed w/GSV. NOTE - mons per A-CS-10 are 4" Cast iron at surface, not in mon well appear to have concrete collar per GSV

**SITE 3 - southwest Cambria - Total = 17**

**MICROSURFACING 2013 - VARIOUS ROADS - SURVEY MONUMENT REVIEW - 245R12B614**

*(record survey monuments within area of pavement that may be covered by application of chip seal)*

**MAP REF      MONUMENT DESCRIPTION (note: MP values per GIS, Lineal Feet per Engineer's qty schedule)      COMMENTS**

note: only monuments within the paved roadway are considered to be at risk - ROW or other monuments outside the roadway surface are disregarded for this inventory

(note - information below copied from Chip Seal research - same site is listed in both projects?)

**LAS TABLAS Bethel Rd (1.43) to Old County Rd (2.78)**

15-MB-05	spike at ely ROW Bethel	TR 1398
27-MB-73	1- well mon @ CL int Roya	TR 2706
15-MB-33	2 - CL well mon @ Mockingbird, n&t at ely tr bdy @CL	TR 1645
68-PM-94	mag nail+washer @ int Celestial; 1- well mon @ CL int Posada(see 60-PM-89; 85-RS-09)	
53-PM-46	none	
33-RS-87	none	
31-PM-14	none	
13-MB-15	well mon @ CL int Heather Ct	TR 1212 (See also 85-RS-09)
74-PM-27	none	
99-RS-12	well mon @ CL int Bennett Way	
80-RS-06	Nail @ CL int Florence St	See also 60-RS-87,44-RS-32, 33-PM-56, 29-RS-39*
29-RS-39	Nail @ CL int Hawley St	
69-RS-96	2 mons; 1-Nail @ CL int Eddy St; BC in mon well @ CL int Horstman Rd	See also 66-PM-41, 72-RS-10
17-MB-74	1 mon well @ CL int Hawley St	TR 2174
14-MB-10	1 mon well @ CL int Honey Wy	TR 1199
12-MB-59	2 mon wells, 1- at @ CL int Horstman Rd, 1 at wly TR bdy 396' w of Horstman	TR 938
37-PM-60	none	
46-PM-95	none	

**Templeton Area total = 16**

**APPENDIX B.**  
**STANDARD PLANS**



DIST. COUNTY: ROUTE: PROJECT: SHEET NO. OF SHEETS: DATE: 10/16/05 10/16/05 10/16/05

DESIGNED BY: *Greg Emerson*

REGISTERED CIVIL ENGINEER

DATE: May 1, 2006

IN THE COUNTY OF CALIFORNIA

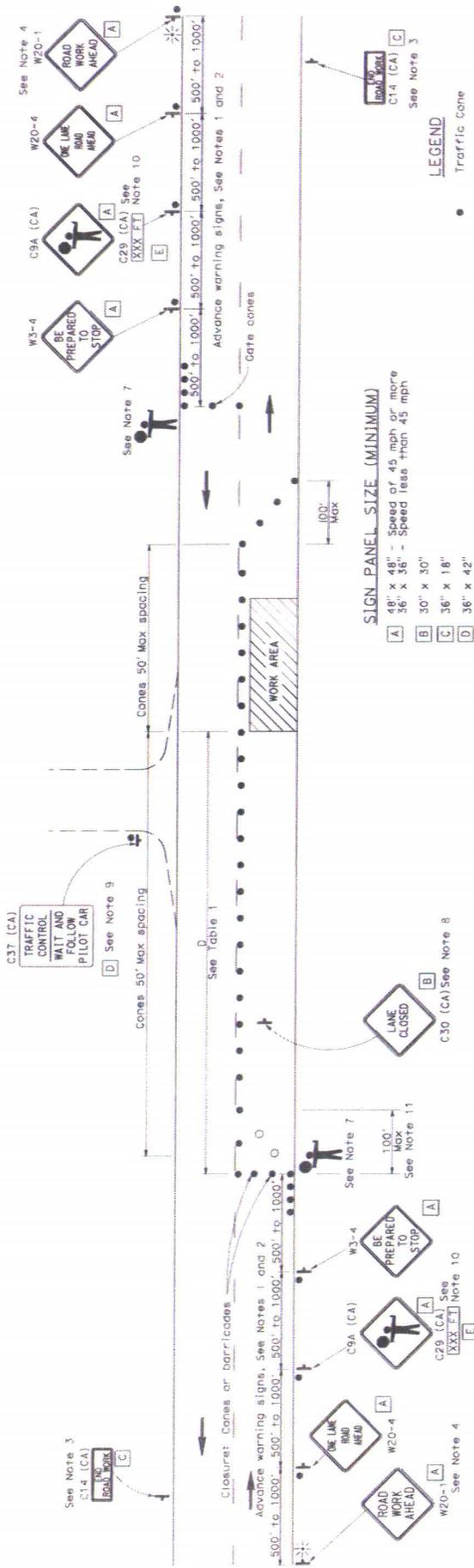
BY: *Greg Emerson*

Professional Seal: Greg Emerson, No. 42436, State of California, Exp. 12-31-08

NOTES: The drawings are prepared in accordance with the specifications for the project. The contractor shall be responsible for the accuracy, completeness or electronic copies of this plan.

To get to the "Office" web site, go to <http://www.pca.ca.gov>

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



**SIGN PANEL SIZE (MINIMUM)**

A	18" x 48" - Speed of 45 mph or more
B	36" x 36" - Speed less than 45 mph
C	30" x 30"
D	36" x 18"
E	36" x 42"
F	36" x 9"

TABLE 1

Approach Speed	Minimum D	Downgrade	
		Minimum	Maximum
25 and below	155	158	165
30	200	205	215
35	250	257	271
40	305	315	333
45	360	378	400
50	425	446	474
55	495	520	563
60	570	599	638
65	645	682	728

\* Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

NOTES:

1. Unless otherwise specified in the special provisions, temporary warning signs shall have black legend on orange background. California code are designated by (CA), otherwise, Federal (MUTCD) codes are shown.

NOTES:

- Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic, as well as approaching vehicles or darkness, the flagger should be equipped with illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a PILOT CAR is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
- An optional C29 (CA) sign may be placed below the C9A (CA) sign.
- Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

NO SCALE



**APPENDIX C.**  
**WORK LOCATION SCHEDULE**



2013 Microsurfacing Project										Notes:		
Various County Road										Count signs		
Contract No. 245R12B614										Check Caltrans R/W Limits		
<b>Estimated Quantities</b>										Check Thermo quantity at Tablas		
Road	From	To	Length	Average Width	Paved Area	Microsurfacing (Type II)	Weight			Remove Thermoplastic	Remove Thermoplastic	Remove Pavement
			(LF)	(LF)	(SY)	(Tons)	Length (LF)	Area (SY)	Weight (Tons)	Striping (LF)	Markings (SF)	Markers (EA)
					Spread rate ---->	16 Lb/SY		0.05 Gal/SY	240.00 Gal/Ton			
<b>Site 1 -- Avila Beach Area</b>												
Avila Beach Drive	San Luis Creek Bridge	Monte Road	17,500	40.21	78,186	625	6,600	880	0.18	-	-	1,500
Fern Canyon Lane	Squire Canyon Road	South end	480	24.60	1,312	10	-	-	-	-	-	-
Higuera Street	Highway 101 offramp	San Luis Creek Bridge	2,120	33.00	7,773	62	2,120	283	0.06	-	180	-
Monte Road	San Luis Bay Drive	Avila Beach Drive	11,120	20.25	25,020	200	6,800	907	0.19	-	-	600
San Luis Bay Drive	Avila Beach Drive	Monte Road	8,720	37.39	36,227	290	1,100	147	0.03	-	-	800
Squire Canyon Road	Monte Road	East end	1,600	21.73	3,863	31	-	-	-	-	-	-
		<b>Subtotals</b>	41,540		152,381	<b>1,219</b>	16,620	2,216	<b>0.46</b>	-	<b>180</b>	<b>2,900</b>
			7.87	Miles								
<b>Site 2 -- Northwest Cambria</b>												
Bristol Street	Nottingham Drive	Pembroke Drive	1,020	22.59	2,560	20	150	20	0.00	-	68	-
Bryan Place	Windsor Boulevard	End	230	48.53	1,240	10	-	-	-	-	-	-
Cambridge Street	Nottingham Drive	Guildford Drive	1,820	23.69	4,791	38	2,040	272	0.06	-	76	-
De Vault Place	Windsor Boulevard	West end	290	46.63	1,503	12	-	-	-	-	-	-
Dorset Street	Nottingham Drive	Guildford Drive	1,750	22.06	4,289	34	450	60	0.01	-	68	-
Guildford Drive	Plymouth Street	Huntington Road	1,220	21.25	2,881	23	500	67	0.01	-	-	-
Hastings Steet	Nottingham Drive	Guildford Drive	1,672	22.26	4,135	33	-	-	-	-	68	-
Huntington Road	Nottingham Drive	Plymouth Steet	2,920	21.27	6,901	55	2,200	293	0.06	-	68	-
Lancaster Street	Nottingham Drive	Guildford Drive	1,780	22.36	4,422	35	820	109	0.02	-	68	-
Leighton Street	Nottingham Drive	Guildford Drive	1,960	22.29	4,854	39	800	107	0.02	-	68	-
Murray Place	Windsor Boulevard	West end	100	32.00	356	3	-	-	-	-	-	-
Norfolk Street	Windsor Boulevard	Pembroke Drive	880	21.68	2,120	17	80	11	0.00	-	34	-
Nottingham Drive	Huntington Road	North end	1,920	20.62	4,399	35	500	67	0.01	-	-	-
Pembroke Drive	Windsor Boulevard	Huntington Road	2,440	21.16	5,737	46	1,270	169	0.04	-	68	-
Plymouth Street	Nottingham Drive	South end Guildford Drive	3,010	20.95	7,007	56	2,000	267	0.06	-	136	-
Wallbridge Drive	Windsor Boulevard	East end	100	32.00	356	3	-	-	-	-	-	-
Whitehall Aenue	Huntington Road	Cambridge Street	1,080	20.76	2,491	20	500	67	0.01	-	-	-
Windsor Boulevard	Santa Rosa Creek Bridge	South end	5,320	35.52	20,996	168	3,300	440	0.09	-	-	1,400.00
Worcester Drive	Nottingham Drive	Huntington Road	2,400	21.86	5,829	47	800	107	0.02	-	68	-
		<b>Subtotals</b>	31,912		86,866	<b>695</b>	15,410	2,055	<b>0.43</b>	-	<b>790</b>	<b>1,400</b>
			6.04	Miles								

2013 Microsurfacing Project										Notes:		
Various County Road										Count signs		
Contract No. 245R12B614										Check Caltrans R/W Limits		
<b>Estimated Quantities</b>										Check Thermo quantity at Tablas		
Road	From	To	Length	Average Width	Paved Area	Microsurfacing (Type II)	Fog Seal Dikes, etc.		Weight	Remove Thermoplastic Striping	Remove Thermoplastic Markings	Remove Pavement Markers
			(LF)	(LF)	(SY)	(Tons)	Length (LF)	Area (SY)	Weight (Tons)			
<b>Site 3 -- Southwest Cambria</b>												
Adams Street	Orin Place	Mills Street	780	20.51	1,778	14	500	67	0.01	-	-	-
Andover Place	Newton Road	Wilton Drive	940	22.00	2,298	18	-	-	-	-	-	-
Ardath Drive	Randall Drive	Highway 1	8,540	26.10	24,766	198	2,700	360	0.08	-	-	1,400
Banbury Road	Malvern Avenue	North end	1,000	32.40	3,600	29	-	-	-	-	-	-
Benson Drive	Drake Street	Ardath Drive	710	20.00	1,578	13	-	-	-	-	-	-
Blythe Place	Newton Road	Wilton Drive	840	22.00	2,053	16	-	-	-	-	-	-
Burton Drive	Highway 1	Ardath Drive	1,680	20.91	3,903	31	500	67	0.01	-	-	200
Drake Street	Marlborough Lane	Ardath Drive	1,420	23.54	3,714	30	-	-	-	-	-	-
Emmons Road	Marlborough Lane	Oxford Avenue	1,390	19.55	3,019	24	-	-	-	-	-	-
Kenneth Drive	West end	Trenton Avenue	1,600	21.48	3,819	31	-	-	-	-	-	-
Kerry Avenue	Pineridge Drive	Ernest Place	970	20.31	2,189	18	-	-	-	-	-	-
Latham Place	Ramsey Street	Wilton Drive	400	22.00	978	8	-	-	-	-	-	-
Leona Drive	Pineridge Drive	Ardath Drive	1,920	23.10	4,928	39	-	-	-	-	-	-
Lucille Avenue	Burton Drive	Kerry Avenue	720	21.00	1,680	13	700	93	0.02	-	-	-
Madison Street	North end	Ardath Drive	1,650	22.65	4,153	33	-	-	-	-	-	-
Malvern Avenue	Mills Street	Banbury Road	1,640	27.56	5,022	40	1,600	213	0.04	-	-	-
Marjorie Place	Wallace Avenue	Malvern Avenue	70	25.70	200	2	-	-	-	-	-	-
McCabe Drive	Orin Place	Ardath Drive	1,380	21.89	3,356	27	1,300	173	0.04	-	-	-
Mills Street	Pineridge Drive	McCabe Drive	840	23.72	2,214	18	1,600	213	0.04	-	-	-
Newport Avenue	Burton Drive	Banbury Road	840	27.39	2,556	20	-	-	-	-	-	-
Newton Road	Wilton Drive	Ramsey Street	1,900	22.00	4,644	37	-	-	-	-	-	-
Orin Place	Malvern Avenue	McCabe Drive	280	23.64	735	6	400	53	0.01	-	-	-
Orlando Drive	Warren Road	Marlborough Lane	1,030	20.00	2,289	18	-	-	-	-	-	-
Orme Place	Newton Road	Wilton Drive	500	22.00	1,222	10	-	-	-	-	-	-
Pierce Avenue	Pineridge Drive	Ardath Drive	1,870	21.74	4,517	36	-	-	-	-	-	-
Pineridge Drive	Burton Drive	Ardath Drive	2,510	26.00	7,251	58	-	-	-	-	-	-
Ramsey Street	Newton Road	Burton Drive	1,600	22.00	3,911	31	-	-	-	-	-	160
Trenton Avenue	Arthath Drive	North end	1,540	18.68	3,196	26	-	-	-	-	-	-
Wallace Avenue	Pineridge Drive	Malvern Avenue	420	21.83	1,019	8	-	-	-	-	-	-
Warren Avenue	Trenton Avenue	Victoria Way	2,300	19.20	4,907	39	-	-	-	-	-	-
Wilcombe Road	Pineridge Drive	Ardath Drive	1,980	21.64	4,761	38	2,400	320	0.07	-	-	-
Wilton Drive	Ramsey Street	Ramsey Street	3,100	22.00	7,578	61	400	53	0.01	-	-	220
<b>Subtotals</b>			48,360		123,834	991	12,100	1,613	0.34	-	-	1,980
			9.16	Miles								
<b>Site 4 -- Templeton</b>												
Las Tablas Road	Bethel Road	Old County Road	7,100	36.00	28,400	227	1,000	133	0.03	5,000	500	600
			1.34	Miles								
<b>Grand Total</b>			128,912		391,482	3,132	45,130	6,017	1.25	5,000	1,470	6,880
			24.42	Miles								

**APPENDIX D**

**CALTRANS ENCROACHMENT PERMIT**



**ENCROACHMENT PERMIT**

TR-0120 (REV. 6/2000)

Permit No. <b>0513 NTK 0243</b>	
Dist/Co/Rte/PM <b>05-SLO-1, 101-var</b>	
Date <b>June 27, 2013</b>	
Fee Paid <b>\$ EXEMPT</b>	Deposit \$
Performance Bond Amount (1) \$	Payment Bond Amount (2) \$
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- Your application of **May 20, 2013**
- Utility Notice No. \_\_\_\_\_ of \_\_\_\_\_
- Agreement No. \_\_\_\_\_ of \_\_\_\_\_
- R/W Contract No. \_\_\_\_\_ of \_\_\_\_\_

**TO:** San Luis Obispo County Public Works Dept.  
Attn: Joseph Whalen  
County Government Center, Room 207  
San Luis Obispo, CA 93408

Phone: (805) 781-5252  
Your Reference No. N/A

, **PERMITTEE**

And subject to the following, PERMISSION IS HEREBY GRANTED to:

Perform traffic control at intersections on Hwy 1 in Cambria and at various freeway ramps along Hwy 101 to accommodate microsurfacing on county roads as shown on the attached plans and as directed by the permit provisions in State Route 1 and State Route 101 right of way at various postmiles in the County of San Luis Obispo.

**Permittee shall contact State Inspector Paul Matsuyama, telephone number (805) 549-3151, a minimum of two working days prior to commencing work** to arrange a pre-job meeting in accordance with Provision 6 of the attached General Provisions. When work has been interrupted for more than five (5) working days, the Permittee shall notify the Caltrans Permit Inspector **a minimum of two working days prior to restarting work** unless a pre-arranged agreement has been made with the Department's representative.

**The issuance of this permit does not entitle the Permittee to start work immediately within the Caltrans right of way. If Permittee's operations will reduce the vertical roadway clearance, horizontal roadway clearance, or detour traffic, implementation of prescribed traffic control measures may require up to a 15-day waiting period from date of traffic control notification and the submittal of the attached "Weekly Traffic Update" form.**

**THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.**

The following attachments are also included as part of this permit (Check applicable):

- Yes  No General Provisions (TR-0045)
- Yes  No Utility Maintenance Provisions
- Yes  No Special Provisions
- Yes  No A Cal-OSHA permit required prior to beginning work;
- Yes  No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- Yes  No Std Storm Water Pollution Prevention Special Prov.

In addition to fee, the permittee will be billed actual costs for:

- Yes  No Review
- Yes  No Inspection
- Yes  No Field Work

(If any Caltrans effort expended)

Yes  No The information in the environmental documentation has been reviewed and is considered prior to approval of this permit.

This permit is void unless the work is complete before **December 31, 2013**

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

cc:  
Permit File  
Paul Matsuyama-Permit Office (Insp)  
Cindy Knoeck-Santa Maria/SLO Maint.  
Art Dueck-Templeton Maint.

APPROVED:

BY:

  
Timothy M. Gubbins, District Director

  
Steven A. Senet, District Encroachment Permit Engineer

### ADDITIONAL ATTACHMENTS

- Attached if checked:  WEEKLY TRAFFIC UPDATE  
 PUBLIC AFFAIRS PROJECT NOTIFICATION  
 FORM DC-CEM-3101  
 CALTRANS STANDARD PLANS RS1-RS4  
 CALTRANS REVISED STANDARD PLANS RSP T9-T14

### PLANS AND SPECIFICATIONS

If conflicts arise between Special Provisions, Plans, Caltrans Standard Plans, Standard Specifications, or other Caltrans standards, the Caltrans Inspector shall make the final determination regarding selection or interpretation of standards and/or specifications. State Standards and Specifications shall apply to all work within the State right of way unless directed otherwise by the State Inspector. Reference to the Engineer in the State Standard Specifications shall include the State Representative (Caltrans Permit Inspector or District Permit Engineer).

Attention is directed to Section 5 of the current State Standard Specifications and the Encroachment Permit General Provisions (TR-0045) regarding control of work and permit work plan revisions. Additionally, the State Permit Inspector may require reasonable additions, modifications, or revisions to the scope of work at no cost to the State if the change is in the best interest of the State facility where the encroachment permit is being granted and Caltrans policy, Standard Specifications, or Permit Provisions are unclear.

### WORK HOURS

**All work on this permit shall be performed on weekdays between the hours of 9:00 AM and 3:00 PM, excluding designated legal holidays, unless stated otherwise for traffic control.**  
The State Inspector must approve deviations from these hours in advance.

**All work that will impact the normal operations of Caltrans traffic signal facilities shall be performed under traffic control and during the hours approved by the Caltrans Inspector and Caltrans District 5 Traffic Management Center.**

**Designated legal holidays are:**

- January 1<sup>st</sup> - (New Year's Day), the third Monday in January - (Martin Luther King Jr. Day)
- The third Monday in February - (Washington's Birthday)
- March 31<sup>st</sup> - (Cesar Chavez's Day)
- The last Monday in May - (Memorial Day)
- July 4<sup>th</sup> - (Independence Day)
- The first Monday in September - (Labor Day)

November 11<sup>th</sup> - (Veteran's Day), 4<sup>th</sup> Thursday and Friday in November - (Thanksgiving Holiday)  
December 25<sup>th</sup> - (Christmas Day)

When a designated legal holiday falls on a Sunday, the following Monday shall be a designated legal holiday. When November 11th falls on a Saturday, Friday November 10th shall be a designated legal holiday.

### **CONDITIONS OF APPROVAL/SPECIAL REQUIREMENTS**

- 1. Ramp closure at Las Tablas Road will be allowed on Saturday and Sunday from 6:00 a.m. to 12:00 noon. Permittee is responsible for notifying Twin Cities Hospital and Templeton CHP seven (7) days in advance and 24 hours in advance of scheduled ramp closure.**
- 2. The authorized work is within the vicinity of an on-going permit project along Hwy 1 near Cambria. Permittee shall coordinate work and traffic control with the Caltrans Permit Inspector to avoid potential conflicts.**
- 3. At signalized intersections, the lane open to traffic must be available for use by incoming vehicles. Vehicles shall not be allowed to queue on the State highway.**
- 4. Details showing traffic handling at each intersection within the limits of work shall be submitted to the Permit Inspector for review and approval before beginning work at each location.**
- 5. Micro-surfacing material shall not be applied to bridge decks in State highway right of way.**
- 6. Application of fog seal is limited to dikes, AC overside drains and miscellaneous areas within State highway right of way. Fog seal shall not be applied to shoulders or traveled way.**

### **DOUBLE PERMIT**

Notwithstanding General Provision #4, your Contractor is required to apply for and obtain an encroachment permit prior to starting work. The Contractor shall include a fee deposit of \$1,148.00 with the encroachment permit application, made payable to the State of California Department of Transportation, to compensate the State for the estimated time needed to inspect that portion of construction within the State's right of way. The Contractor will be billed for any amount exceeding the deposit, or refunded any unused

**portion thereof after completion of the project. The Contractor's encroachment permit application shall state that it is a "Double Permit for permit number 0513 NTK 0243."**

The application submittal for the double permit may be mailed or delivered to:

CALTRANS  
Permit Office  
Attention: Terilyn Thompson  
50 Higuera Street  
San Luis Obispo, CA 93401

Any questions concerning the double permits should be directed to Terilyn Thompson at (805) 549-3431.

### NOTIFICATIONS

#### Notice of Materials Used

Permittee's attention is directed to the State Standard Specification – Section 6 "Control of Materials."

The Permittee shall bear all costs for source material inspection. Please note that these materials may require source inspection and approval at the manufacturer's plant.

Permittee shall be solely responsible to furnish a list of materials to be used on the permitted project by completing the attached Form DC-CEM-3101 "Notice of Materials Used" for traffic signal standards, lighting (electrolier) standards, metal poles, mast arms, foundation bolts, overhead sign trusses, guard rail components, column casings, epoxy coated rebar, reinforced concrete pipe, steel girders, sign panels, and other items as specified by the State representative. Form shall be submitted to the Caltrans Permit Inspector and METS Material Administrator. Materials identified on the TL-608, which are not inspected and not approved by the State at the manufacturer's plant, will be rejected from use within the State right of way.

The METS Material administrator shall determine which materials will require source inspection and which will require onsite inspection by the Caltrans Permit Inspector. Additional form submissions may be required to address additional items that require source inspection.

Please allow a minimum of six weeks for source inspection, testing, and approval of materials to be used.

The METS Material Administrator can be reached via fax at 916-227-7084 or via email at [materials\\_administrator-METS@dot.ca.gov](mailto:materials_administrator-METS@dot.ca.gov).

**TRAFFIC CONTROL AND PUBLIC SAFETY**

**Permittee shall furnish portable changeable message signs conforming to the provisions of Section 12 "Temporary Traffic Control," of the Standard Specifications. The signs shall be placed as shown on the plans or as directed by the State Inspector. Portable changeable message signs shall be in place and in operation before any other component of the traffic control system is placed and shall remain in operation until all other components of the traffic control system are removed. The State Inspector shall review and approve the message to be displayed on the portable changeable message signs.**

All traffic control shall be performed under the direction of qualified and competent traffic control personnel. If it becomes apparent to the Caltrans Permit Inspector that the Permittee's contractor does not have adequately trained and competent staff to perform traffic control, the Permittee or Permittee's contractor shall hire a suitable contractor to provide traffic control.

Traffic control and construction zone signing shall be performed per an approved traffic control plan.

In the absence of a project specific traffic control plan:

All traffic control shall be performed in compliance with the applicable Caltrans Standard Plans for traffic control, California Manual on Uniform Traffic Control Devices, or as approved by and as directed by the Caltrans Permit Inspector,

or

If requested by the Caltrans Permit Inspector, Permittee or Permittee's contractor shall provide a traffic control plan prepared by a duly licensed individual for review and approval. Plans shall bear the licensed individual's signature and identifying licensing information.

All traffic control personnel performing flagging operations shall be trained in accordance with Cal/OSHA Title 8, Division 1, Chapter 4, subchapter 4 Construction Safety Orders, Article 11, Section 1599 (f) and (g), and shall provide certification of training if requested by the State Permit Inspector.

The Permittee shall provide all traffic control devices and personnel. All expenses incurred from traffic control operations shall be borne by the Permittee.

Work shall not interfere with traffic and no equipment shall be parked on or operated from the traveled way unless approved by the Caltrans representative.

Lane closures will be allowed on Highway 1 as follows:

Monday through Thursday 8:00 a.m. to 4:00 p.m.  
Friday 8:00 a.m. to 2:00 p.m.

Closures will be allowed on Highway 101 ramps (except Las Tablas Road) as follows:

Monday through Thursday 9:00 a.m. to 3:00 p.m.  
Friday 9:00 a.m. to 1:00 p.m.

**No two consecutive off ramps or on ramps may be closed at the same time.**

Notwithstanding lane closures noted in the traffic control plans or elsewhere in this permit, the full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays, designated legal holidays, the day preceding designated legal holidays, after 2:00 PM on Fridays, and when construction operations are not actively in progress.

On multilane roadways, a minimum of one-paved traffic lane, not less than 12 feet wide, shall be open for use by public traffic in each direction of travel.

On 2-lane, two-way roadways a minimum of one-paved traffic lane not less than 12 feet wide shall be open for use by public traffic. When construction operations are not actively in progress, not less than 2 of these lanes shall be open to public traffic.

If approved by the State Inspector, one lane may be closed during construction and public traffic stopped for periods not to exceed 5 minutes. After each closure, all accumulated traffic shall be allowed to pass through the work before another closure is made. Lane closures shall not exceed 0.5 mile in length.

Minor deviations from the requirements of this section concerning hours of work may be permitted upon the written request of the Permittee if, in the opinion of the Inspector, public traffic will be better served and the work expedited. The Permittee shall not adopt these deviations until the Inspector has approved them in writing.

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

APPROACH SPEED OF PUBLIC TRAFFIC (Posted Speed Limit) (mph)	WORK AREA
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 permanent railing, temporary railing or a barrier protects the work area.

“NO PARKING” zones shall be posted a minimum of 48 hours in advance of proposed parking lane closure.

**Suspended Loads**

Suspended loads or equipment shall not be moved nor positioned over public traffic or pedestrians.

**GENERAL REQUIREMENTS**

**Project/Work Site**

All disturbed areas shall be restored to original or better condition.

Any change in the existing drainage pattern, whether occasioned by increase or diversion, and the cost of damage, repair or restoration of the State highway right of way shall be the responsibility of the Permittee.

All personnel working within the State right of way shall wear the appropriate personnel safety/protective equipment as specified by the personnel's employer's "Injury and Illness Prevention Program" required by the California Code of Regulations 3203. If requested by the Caltrans Permit Inspector, personnel's employer shall provide a copy of said "Injury and Illness Prevention Program" and identify the locations within the document that addresses, but not limited to, personal protective equipment, head protection, and warning garments.

In the absence of an "Injury and Illness Prevention Program," all other personnel within the project work zone shall conform to the personnel protective/safety equipment requirements in the latest edition of the Caltrans Safety Manual.

No earth or construction materials are to be dragged or scraped across the highway pavement. No excavated earth shall be placed or allowed to remain at a location where it can be tracked on the highway traveled way, public or private approach by the Permittee's construction equipment, or by traffic entering or leaving the highway traveled way. The Permittee shall immediately remove excavated earth or mud so tracked onto the highway pavement or public or private approach.

No excavation, maintenance hole, pullbox, or vault shall be left open overnight or unattended during work hours without written permission from the Caltrans representative and adequate protection for traffic and pedestrians is provided.

**Construction Debris and Waste Materials**

The Permittee solely owns all construction debris and waste materials, including hazardous waste, generated by this permitted project. Said materials shall be removed from the State right of way, stored, and disposed of in accordance with applicable local, regional, State, and Federal specifications or regulations. Construction debris and waste materials shall be disposed of:

at designated off-site commercial facilities approved to accept said materials;

at non-commercial permitted sites approved to accept said materials (Permittee must provide copies of all necessary local and State agency permits prior to disposal.);

or at sites outside of the State of California approved to accept said materials (Permittee to provide copies of permits issued by the local and State agency with jurisdiction over the site prior to disposal.).

Permittee shall provide a copy of documentation as proof of the proper disposal of said materials if so requested by the State Permit Inspector.

**Signs**

Installation of roadside signs shall comply with all applicable portions of Caltrans Standard Specifications Section 56-2 and Caltrans Standard Plans.

Temporary and permanent signs placed within the State right of way shall comply with minimum retroreflectivity requirements of the Federal Highway Administration Manual on Uniform Traffic Control Devices, Section 2A.08. Retroreflective sheeting shall conform to ASTM D4956 and Caltrans "Prequalified and Tested Signing and Delineation Materials." Retroreflective sheeting shall be applied to sign panels as recommended by the retroreflective-sheeting manufacturer without stretching, tearing or damage.

Roadside signs shall be placed at locations shown on the permit plans and shall be installed in compliance with the latest edition of Caltrans Standard Plan RS1 through RS4.

Proposed sign placement shall not interfere with the visibility of any existing warning, regulatory, information or guide signs along the State Highway.

A safe pedestrian passageway width of 4 feet shall be maintained at any sign installation in areas normally traversed by pedestrians. The minimum passageway adjacent to a drop off, such as a curb face or gutter shall be at least 5 feet.

Any street signs located in the sidewalk shall be installed in a 12 inch diameter round cutout in the concrete. The cutout shall be backfilled up to 2 inches below the sidewalk surface and the remaining void topped with concrete to bring the cutout up to sidewalk surface grade. Alternate methods of installation may be used upon Caltrans' approval.

Use of square metal posts is allowed behind raised curbs. Use of metal posts at different locations or with different specifications shall be requested in writing and approved by the State Inspector prior to installation.

Square metal posts shall be installed in conformance with the manufacturer's installation instructions and as shown on the plans. Prior to installation, at the request of the Engineer, a letter from Headquarter Traffic Operations stating that the product is approved for use on the State of California highways shall be supplied by the vendor.

Steel for square metal posts and anchor posts shall meet ASTM designation A653-94 SQ grade 40. Posts, anchor posts and hardware shall be galvanized. Square metal posts and anchor posts shall be 12 Gage.

#### **Material Testing**

Material testing and quality control shall conform to the State Construction Manual and to the State Material Testing Manual. Testing shall be performed by a certified material-testing consultant acceptable to the State and paid for by the Permittee. Material testing and quality control tests shall be performed as required by the State's Inspector and the results thereof shall be made immediately available.

All required construction compliance tests shall be performed with the California Test Methods and shall be in accordance with the latest edition of Caltrans Independent Assurance Program Manual. A Caltrans certified laboratory shall also perform all tests and all laboratory reports shall be furnished to the Department's representative at no cost to the State.

#### **Backfill Requirements**

All backfilling and compaction shall conform to the applicable sections of the Department's Standard Specifications Section 19-5 "Compaction."

Backfilling using ponding or jetting methods are prohibited.

#### **Relative Compaction (90 Percent)**

Embankment compaction beyond the roadbed or outside of structure backfill shall not be less than 90 percent relative compaction unless stated otherwise in the Caltrans Standard Specifications or Caltrans Highway Design Manual.

#### **Relative Compaction (95 Percent)**

Relative compaction of not less than 95 percent shall be obtained for a minimum depth of 0.5-foot below the grading plan for the width between the outer shoulders, whether in excavation or embankment.

In addition, relative compaction of not less than 95 percent shall be obtained for a minimum depth of 2.5 feet below the finished grade for the width of the traveled way plus 3 feet on each side thereof, whether in excavation or embankment.

For limits of 95 percent compaction of embankment adjacent to abutments and for retaining walls without pile foundations reference Caltrans Standard Specifications Section 19-5.03B.

**Existing Trees and Vegetation**

This permit does not authorize the removal, severing of roots or trimming of vegetation. If work of this nature is required, a written request and approval, by the Caltrans Permit Inspector, is required in advance of performing the work. Replacement planting may be required as a mitigation measure. Excavations should be done outside of drip line to reduce tree damage and integrity of trees. If excavations must be made within the drip line of trees (or extending tree roots) along the right of way, the trenches shall be hand dug and the utility routed beneath or around root structure. Major tree roots must not be cut or damaged. Additionally, the exposed roots shall be wrapped and kept moist until the excavation is back filled with the native material. Requests for exceptions shall be accompanied by an Arborist's recommendation.

**Archaeological/Cultural Requirements**

If archaeological resources or human remains are accidentally discovered during construction, work shall be halted within 150 feet of the find until a qualified professional archaeologist can evaluate it. Permittee shall notify Caltrans District Archaeologist Kelda Wilson (805) 542-4697 about the discovery immediately. If the find is determined to be significant, appropriate mitigation measures shall be formulated and implemented.

**EXISTING FACILITIES**

Existing improvements shall be protected or relocated as required by the work authorized by this permit. If existing improvements including pavement markings and delineation are damaged or their operation impaired by this work, they shall be replaced or restored to the satisfaction of the Caltrans representative. Such work shall be done immediately if requested by the Caltrans representative.

**IT SHALL BE THE PERMITTEE'S RESPONSIBILITY TO FULLY INVESTIGATE THE PROPOSED WORK AREA FOR POSSIBLE CONFLICTS WITH EXISTING UTILITIES AND FACILITIES, INCLUDING BUT NOT LIMITED TO SEWERS, ELECTRICAL CONDUCTORS, GAS LINES, WATER PIPES AND TRAFFIC SIGNAL FACILITIES. THE PERMITTEE AGREES TO ACCEPT ALL LIABILITY FOR DAMAGES DONE TO EXISTING FACILITIES CAUSED BY THE WORK AUTHORIZED UNDER THIS PERMIT.**

**Caltrans does not subscribe to underground utility locating services. It is the Permittee's sole responsibility to investigate, locate, and mark existing Caltrans traffic signal equipment, loops, conduits, and street lighting facilities prior to work in or between signalized intersections and street lighting facilities.**

If it is apparent that impacting traffic signal conduits during construction will be unavoidable Permittee shall install temporary overhead wiring for the signal at Permittee's own expense. Permittee shall have on hand at all times all necessary equipment and personnel needed to provide traffic control at an intersection should the traffic signal malfunction.

If a signal detector loop, including the portion leading to the adjacent pullbox is damaged by Permittee's operations the entire detector loop shall be replaced, in kind, within 24 hours of the occurrence. If an adjacent loop is damaged during the replacement, that loop shall also be replaced. The Caltrans Inspector shall be notified immediately when damage occurs. Arrangements for Caltrans Electrical operations staff shall be made to have the traffic signal controller reprogrammed.

Any utility relocation shall be performed to the reasonable satisfaction of the affected utility companies, in compliance with the State's highway encroachment policy.

### WATER POLLUTION CONTROL

#### Discharge of Storm Water and Non-Storm Water

Work within State highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit issued to the Department of Transportation (Department), to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department's Encroachment Permits Manual and encroachment permit. The Department's NPDES Permit requires the Permittee to comply and maintain, if applicable, the approved Storm Water Special Provisions for Minimal or No Impact (TR-0400), Water Pollution Control Program, or Storm Water Pollution Prevention Plan.

The Contractor (permittee) shall be responsible for fines assessed or levied against the Contractor or the Department as a result of the Contractor's (permittee) failure to comply with these provisions. Fines shall include civil liability fines, criminal penalties and/or damages, assessed, or levied against the Department or the Contractor, Contractor liability for failure to comply with these provisions shall also include reimbursement for payments made or costs incurred by the Department in settlement for alleged violations of the Permits, the Manuals, or applicable laws, regulations, or requirements. Costs incurred could include sums spent in lieu of fines or penalties, in mitigation or to remediate or correct violations.

**In the event that an unforeseen illicit discharge is generated during construction activities and the Caltrans Permit Inspector cannot be contacted, the Permittee or Permittee's contractor shall contact the Encroachment Permit Storm Water Coordinator, Harry Afshar (805) 459-3980 immediately. The Permittee or Permittee's contractor is responsible**

**to contain and remediate the illicit discharge as directed by the Caltrans Permit Inspector or Encroachment Permit Storm Water Coordinator at no cost to the State.**

Unless stated otherwise in this permit, approved plan, or approved specifications, seeds sown for erosion control shall achieve 70% coverage of the disturbed soil area as determined by the Caltrans Permit Inspector.

The Caltrans Permit Inspector shall approve the seed mix prior to its application.

### **PROJECT COMPLETION**

Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this permit.

**PLEASE USE THE ATTACHED ENVELOPE (PRE-PAID POSTAGE) TO SEND THE ATTACHED NOTICE OF COMPLETION AND QUESTIONNAIRE. THANK YOU!**

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION  
**STANDARD ENCROACHMENT PERMIT APPLICATION**

TR-0100 (REV. 07/2007)

Permission is requested to encroach on the State Highway right-of-way as follows.  
 (Complete all BOXES [write N/A if not applicable] Please print single sided)  
 This application is not complete until all requirements have been approved.

<b>FOR CALTRANS USE</b>	
PERMIT NO.	0513 NTK 0243
DIST/CO/RTE/PM	05-SLO-1,101-var
SIMPLEX STAMP	
DIST. 05 130243	
DATE OF SIMPLEX STAMP	5-22-2013

1. COUNTY SAN LUIS OBISPO COUNTY		2. ROUTE 101		3. POSTMILE VARIOUS, SEE SITE MAPS	
4. ADDRESS OR STREET NAME AVILA BEACH DR, SAN LUIS BAY DR, LAS TABLAS RD RAMPS			5. CITY AVILA BEACH & TEMPLETON		
6. CROSS STREET (Distance and direction from site) N/A			7. PORTION OF RIGHT-OF-WAY RAMPS		
8. WORK TO BE PERFORMED BY <input type="checkbox"/> OWN FORCES <input checked="" type="checkbox"/> CONTRACTOR		9. EST. START DATE 9/3/13		10. EST. COMPLETION DATE 10/31/13	
11. EXCAVATION	MAX. DEPTH N/A	AVG. DEPTH N/A	AVG. WIDTH N/A	LENGTH N/A	SURFACE TYPE N/A
12. EST. COST IN STATE HIGHWAY RIGHT-OF-WAY \$15,000				FUNDING SOURCE(S) <input type="checkbox"/> FEDERAL <input type="checkbox"/> STATE <input checked="" type="checkbox"/> LOCAL <input type="checkbox"/> PRIVATE	
13. PIPES	PRODUCT TYPE N/A	DIAMETER N/A	VOLTAGE / PSIG N/A	14. CALTRANS PROJECT E.A. NUMBER N/A	

15.  Double Permit      Parent Permit Number \_\_\_\_\_  
 Applicant's Reference Number / Utility Work Order Number \_\_\_\_\_

16. Have your plans been reviewed by another Caltrans branch?  NO       YES (If "YES") Who? \_\_\_\_\_

17. Completely describe work to be done within STATE highway right-of-way :  
 Attach 6 complete sets of FOLDED plans (folded 8.5" x 11"), and any applicable specifications, calculations, maps, etc.  
 All dimensions shall be in U.S. Customary (English) Units.

**TRAFFIC CONTROL FOR MICROSURFACING PROJECT ON COUNTY ROADS.  
 HIGHWAY 101 OFFRAMPS MAY BE CLOSED FOR 1 TO 8 HOURS AT AVILA BEACH  
 DRIVE, SAN LUIS BAY DRIVE, AND LAS TABLAS ROAD. SEE ATTACHED PLANS AND  
 SPECIAL PROVISIONS ("ORDER OF WORK," "ENCROACHMENT PERMIT," AND  
 "MAINTAINING TRAFFIC") WHICH PROVIDE FOR MESSAGE BOARDS, CONSTRUCTION  
 AREA SIGNS ON CALTRANS RIGHT OF WAY, AND LANE CLOSURE RESTRICTIONS.**

18. Is a city, county, or other agency involved in the approval of this project?  
 YES (If "YES", check type of project and attach environmental documentation and conditions of approval.)  
 COMMERCIAL DEVELOPMENT     BUILDING     GRADING     OTHER \_\_\_\_\_  
 CATEGORICALLY EXEMPT     NEGATIVE DECLARATION     ENVIRONMENTAL IMPACT REPORT     OTHER \_\_\_\_\_

NO (If "NO", please check the category below which best describes the project, and complete page 4 of this application.)  
 DRIVEWAY OR ROAD APPROACH, RECONSTRUCTION, MAINTENANCE, OR RESURFACING       FENCE  
 PUBLIC UTILITY MODIFICATIONS, EXTENSIONS, HOOKUPS       MAILBOX  
 FLAGS, SIGNS, BANNERS, DECORATIONS, PARADES AND CELEBRATIONS       EROSION CONTROL  
 OTHER \_\_\_\_\_       LANDSCAPING

19. Will this project cause a substantial change in the significance of a historical resource (45 years or older), or cultural resource?     YES     NO  
 (If "YES", provide a description)

20. Is this project on an existing highway or street where the activity involves removal of a scenic resource including a significant tree or stand of trees, a rock outcropping or a historic building?     YES     NO (If "YES", provide a description)

21. Is work being done on applicant's property?     YES     NO (If "YES", attach site and grading plans.)

PERMIT NO. 0573 NTK 0243

22. Will this proposed project require the disturbance of soil?  YES  NO  
 If "YES", estimate the area within State Highway right-of-way in square feet AND acres: \_\_\_\_\_ (ft<sup>2</sup>) AND \_\_\_\_\_ (acres)  
 estimate the area outside of State Highway right-of-way in square feet AND acres: \_\_\_\_\_ (ft<sup>2</sup>) AND \_\_\_\_\_ (acres)

23. Will this proposed project require dewatering?  YES  NO  
 If "YES", estimate total gallons AND gallons/month \_\_\_\_\_ (gallons) AND \_\_\_\_\_ (gallons/month)  
 SOURCE:  STORMWATER  NON-STORMWATER  
 (\*See Caltrans SWMP for definitions of non-storm water discharge: <http://www.dot.ca.gov/hq/env/stormwater/index.htm> )

24. How will any storm water or ground water be disposed of from within or near the limits of this proposed project?  
 Storm Drain System  Combined Sewer / Storm System  Storm Water Retention Basin  
 Other (explain): \_\_\_\_\_

PLEASE READ THE FOLLOWING CLAUSES PRIOR TO SIGNING THIS ENCROACHMENT PERMIT APPLICATION.

*The applicant, understands and herein agrees to that an encroachment permit can be denied, and/or a bond required for non-payment of prior or present encroachment permit fees. Encroachment Permit fees may still be due when an application is withdrawn or denied, and that a denial may be appealed, in accordance with the California Streets and Highways Code, Section 671.5. All work shall be done in accordance with Caltrans rules and regulations subject to inspection and approval.*

*The applicant, understands and herein agrees to the general provisions, special provisions and conditions of the encroachment permit, and to indemnify and hold harmless the State, its officers, directors, agents, employees and each of them (Indemnitees) from and against any and all claims, demands, causes of action, damages, costs, expenses, actual attorneys' fees, judgments, losses and liabilities of every kind and nature whatsoever (Claims) arising out of or in connection with the issuance and/or use of this encroachment permit and the placement and subsequent operation and maintenance of said encroachment for: 1) bodily injury and/or death to persons including but not limited to the Applicant, the State and its officers, directors, agents and employees, the Indemnities, and the public; and 2) damage to property of anyone. Except as provided by law, the indemnification provisions stated above shall apply regardless of the existence or degree of fault of Indemnities. The Applicant, however, shall not be obligated to indemnify Indemnities for Claims arising from the sole negligence and willful misconduct of State, its officers, directors, agents or employees.*

DISCHARGES OF STORM WATER AND NON-STORM WATER: Work within State Highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit issued to the Department of Transportation (Department), to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department's Encroachment Permits Manual and encroachment permit. Compliance with the Departments NPDES permit requires amongst other things, the preparation and submission of a Storm Water Pollution Protection Plan (SWPPP), or a Water Pollution Control Program (WPCP), and the approval of same by the appropriate reviewing authority prior to the start of any work. Information on the requirements may also be reviewed on the Department's Construction Website at:  
<http://www.dot.ca.gov/hq/construc/stormwater>

25. NAME of APPLICANT or ORGANIZATION (Print or Type) <b>SAN LUIS OBISPO COUNTY PUBLIC WORKS DEPARTMENT</b>		E-MAIL ADDRESS <b>JWHALEN@CO.SLO.CA.US</b>	
ADDRESS of APPLICANT or ORGANIZATION WHERE PERMIT IS TO BE MAILED (Include City and Zip Code) <b>ROOM 207, COUNTY GOVERNMENT CENTER, SAN LUIS OBISPO, CA 93408</b>			
PHONE NUMBER <b>805-781-5252</b>	FAX NUMBER <b>805-788-2332</b>		
26. NAME of AUTHORIZED AGENT / ENGINEER (Print or Type) <b>JOE WHALEN</b>	IS LETTER OF AUTHORIZATION ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	E-MAIL ADDRESS <b>JWHALEN@CO.SLO.CA.US</b>	
ADDRESS of AUTHORIZED AGENT / ENGINEER (Include City and Zip Code) <b>ROOM 207, COUNTY GOVERNMENT CENTER, SAN LUIS OBISPO, CA 93408</b>			
PHONE NUMBER <b>805-788-2317</b>	FAX NUMBER <b>805-788-2332</b>		
27. SIGNATURE of APPLICANT or AUTHORIZED AGENT 	28. PRINT OR TYPE NAME <b>JOSEPH WHALEN</b>	29. TITLE <b>ENGINEER IV</b>	30. DATE <b>5/16/13</b>

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION  
ENCROACHMENT PERMIT GENERAL PROVISIONS  
TR-0045 (REV. 05/2007)

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1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.
2. **REVOCACTION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "Permittee and Department representative."
8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.
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. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 4' shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.09 Public Safety of the Department Standard Specifications.
14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. While providing traffic control, the needs and control of all road users [motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA)] shall be an essential part of the work activity.  
  
Day and night time lane closures shall comply with the California Manual on Uniform Traffic Control Devices (Part 6, Temporary Traffic Control), Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care, greater than or different from, as required by law.
15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the California Manual on Uniform Traffic Control Devices (Chapter 6E, Flagger Control).
16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this specific encroachment permit. If Encroachment Permit Special Provisions allow for the storage of equipment or materials within the State right of way, the equipment and material storage shall comply with Standard Specifications, Standard Plans, Special Provisions, and the Highway Design Manual. The clear recovery zone widths must be followed and are the minimum desirable for the type of facility indicated below: freeways and expressways - 30', conventional highways (no curbs) - 20', conventional highways (with curbs) - 1.5'. If a fixed object cannot be eliminated, moved outside the clear recovery zone, or modified to be made yielding, it should be shielded by a guardrail or a crash cushion.
17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et. seq.).

19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.
20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waives all claims for indemnification or contribution from the State.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of folded as-built plans within thirty (30) days after completion and approval of work in compliance with requirements listed as follows:
1. Upon completion of the work provided herein, the permittee shall send one vellum or paper set of As-Built plans, to the State representative. Mylar or paper sepiia plans are not acceptable.
  2. All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
  3. The plans are to be stamped or otherwise noted AS-BUILT by the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a State stamp, or Caltrans representative signature, shall be used for producing the As-Built plans.
  4. If As-Built plans include signing or striping, the dates of signing or striping removal, relocation, or installation shall be shown on the plans when required as a condition of the permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage shall show the removal, relocation or installation dates of the appropriate staged striping and signing.
  5. As-Built plans shall contain the Permit Number, County, Route, and Post Mile on each sheet.
  6. Disclaimer statement of any kind that differ from the obligations and protections provided by Sections 6735 through 6735.6 of the California Business and Professions Code, shall not be included on the As-Built plans. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department of Transportation retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future permits, or a provision requiring a public agency to supply additional bonding.
23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.
24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.
25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the permittee shall comply with said notice at his sole expense.
26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.
27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.
28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.
- The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director, from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit.

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.
30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**  
A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:  
1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.  
2. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.  
3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.  
4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.  
5. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.
32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.

The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.

33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State.

The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.
35. **NOTIFICATION OF DEPARTMENT AND TMC:** The permittee shall notify the Department's representative and the Transportation Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.
36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The permittee, upon notification by the Department's representative, shall immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension shall be borne by the permittee.
37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code Section 4216 et. seq., including, but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.

**1. GENERAL:** The purpose of these Special Provisions is to provide the Permittee with specifications for water pollution control to minimize, prevent, or control the discharge of material into the air, surface waters, groundwater, and storm sewers owned by the State or local agencies. These provisions are not intended to take the place of the Caltrans Water Pollution Control Program (WPCP) for projects where soil disturbance from work activities less than one acre, or work activities of one acre or more subject to the preparation of the Caltrans Storm Water Pollution Prevention Plan (SWPPP) that would require a waste discharge identification number or coverage under the California Construction General Permit (*Order No. 2009-0009-DWQ, NPDES No CAS000002*). The Permittee shall comply with the following Special Provisions and the direction of the State Representative.

**2. NPDES REQUIREMENTS:** The Permittee shall be responsible for full compliance with the Caltrans Storm Water Program and the Caltrans National Pollutant Discharge Elimination System (NPDES) Permit requirements. It is the Permittee's responsibility to install, inspect, and repair or maintain facilities and devices used for water pollution control practices before performing daily work activities. Installation and maintenance responsibilities on the job site include: 1) soil stabilization materials in work areas that are inactive or prior to storm events, 2) water pollution control devices to control sediment and erosion, 3) implementation of spill and leak prevention procedures for chemical and hazardous substances stored on the job site, 4) material storage, 5) stockpile management, 6) waste management, 7) non-stormwater management, 8) water conservation, and 9) illicit connection, illegal discharge detection and reporting. The Permittee shall report to the state representative when discharges enter into receiving waters, adjacent property, drainage systems or when discharges could be a cause or a threat for water pollution. The Permittee shall also control illicit discharges or illegal dumping prior to start of daily work schedule. Copies of written notices or orders from the Regional Water Quality Control Board or other regulatory agency shall be provided to the State representative within 48 hours of reported activity. For additional information on storm water compliance, visit the State Water Resources Control Boards storm water Website at [http://www.waterboards.ca.gov/water\\_issues/programs/stormwater](http://www.waterboards.ca.gov/water_issues/programs/stormwater)

**3. RESPONSIBILITY FOR DEBRIS REMOVAL:** The Permittee shall be responsible for preventing sediment, trash, debris, and other construction waste from entering the street, the storm drains, local creeks, or any other bodies of water.

**4. SPOILS AND RESIDUE:** The Permittee shall vacuum any saw-cut concrete waste material, debris, residue, etc. No spoils, debris, residue, etc. shall be washed into a drainage system.

**5. SWEEPING:** Sweep paved roads at construction entrance and exit locations and surrounding paved areas daily within the job site during: 1) clearing and grubbing, 2) earthwork, 3) trenching, 4) soil disturbance, 5) pavement grinding and/or cutting, and 6) after observing tracking of material onto or off the State property. Keep dust to a minimum during sweeping activities. Use vacuum whenever dust generation is excessive or sediment pickup is ineffective. Roadways or work areas shall not be washed down with water. Street sweeping operations must conform to Section 13 Water Pollution Control of the State of California standard specifications for construction (most current version) <http://www.dot.ca.gov/hq/esc/oe/specifications/SSPs/2010-SSPs/>

**6. VEHICLES AND EQUIPMENT:** Permittee shall prevent all vehicles, equipment, etc. from leakage or mud tracking onto

roadways. If leaks cannot be repaired immediately, remove the vehicle or equipment from the job site.

**7. MAINTENANCE AND FUELING OF VEHICLES AND EQUIPMENT:** Maintenance and fueling of equipment shall not result in any pollution at the job site. The Permittee shall immediately clean up spills/leaks, and properly dispose of contaminated soil and materials.

**8. CLEANING VEHICLES AND EQUIPMENT:** Limit vehicle and equipment cleaning or washing at the job site except what is necessary to control vehicle tracking or hazardous waste. The Permittee shall clean all equipment within a bermed area or over a drip pan large enough to prevent run-off. No soaps, solvents, degreasers, etc shall be used in State right of way. Any water from this operation shall be collected and disposed of at an appropriate site. Containment berms or dikes shall be used for fueling, washing, maintaining and washing vehicles or equipment in outside areas. Containment must be performed at least 100 feet from concentrated flows of storm water, drainage courses, and storm drain inlets if within a flood plain, otherwise at least 50 feet if outside the floodplain. Keep adequate quantities of absorbent spill-cleanup material and spill kits in the fueling or maintenance area and on fueling trucks.

**9. DIESEL FUELS:** The use of diesel fuel from petroleum or other fossil fuel as a form-oil or solvent is not allowed.

**10. WEATHER CONDITIONS AT WORKSITE:** Any activity that would generate fine particles or dust that could be transported off site by stormwater shall be performed during dry weather.

**11. HOT MIX ASPHALT:** Runoff from washing hot mix asphalt shall not enter into any drainage conveyances.

**12. PROTECTION OF DRAINAGE FACILITIES:** The Permittee shall protect/cover gutters, ditches, drainage courses, and inlets with gravel bags, fiber rolls, State approved fabric filters, etc., to the satisfaction of the State representative during grading, paving, saw-cutting, etc. and materials must conform to Section 13-6.02 Materials for Water Pollution Control of the State of California standard specifications for construction (most current version). No such protection measures shall cause an obstruction to the traveling public. The Permittee shall implement spill and leak prevention procedures for chemicals and hazardous substances stored on the job site in accordance to section 13-4.03B(1-3) Spill Prevention and Control, Water Pollution Control, of the State of California standard specifications for construction (2010 version).

**13. PAINT:** Rinsing of painting equipment and materials is not permitted in state right-of-way. When thoroughly dry, dispose of the following as solid waste: dry latex paint, paint cans, used brushes, rags, gloves, absorbent materials, and drop cloths. Oil based paint sludge and unusable thinner shall be disposed of at an approved hazardous waste site.

**14. CONSTRUCTION MATERIALS:** Stockpile of all construction materials, including, but not limited to; pressure treated wood, asphalt concrete, cold mix asphalt concrete, concrete, grout, cement containing premixes, and mortar, shall conform to section 13-4.03C Material Management (Storage & Stockpiles), Water Pollution Control, of the State of California standard specifications for construction (2010 version).

**15. CONCRETE EQUIPMENT:** Concrete equipment shall be washed in a designated washing area in a way that does not contaminate soil, receiving waters, or storm drain systems.

**STORM WATER SPECIAL PROVISIONS for MINIMAL or NO IMPACT**

TR-0400 (Rev 09/2012)

**16. EXISTING VEGETATION:** Established existing vegetation is the best form of erosion control. Minimize disturbance to existing vegetation. Damaged or removed vegetation shall be replaced as directed by the State Representative.

**17. SOIL DISTURBANCE:** Soil disturbing activities shall be avoided during the wet weather season. If construction activities during wet weather are allowed in your permit, all necessary erosion control and soil stabilization measures shall be implemented in advance of soil disturbing activity.

**18. SLOPE STABILIZATION AND SEDIMENT CONTROL:** Consider a certified expert in Erosion and Sediment control in cases where slopes are disturbed during construction. The Permittee is directed to comply with Section 13.5 Temporary Soil Stabilization and Section 21 Erosion Control of the State of California (2010 version) standard specifications for construction during application of temporary soil stabilization measures to the soil surface. Fiber rolls or silt fences may be required down slope until permanent soil stabilization is established. Remove the accumulated sediment whenever the sediment accumulates to 1/3 of the linear sediment barrier height.

**19. STOCKPILES:** Stockpiles containing aggregate and/or soil shall be stored at least 100 feet from concentrated flows of storm water, drainage courses, and storm drain inlets if within a flood plain, otherwise at least 50 feet if outside the floodplain, and shall be covered and protected with a temporary perimeter sediment barrier. Cold mix stockpiles shall be stored on an impermeable surface and covered with 9mil plastic to prevent contact with water.

**20. DISCOVERY OF CONTAMINATION:** The State Representative shall be notified in case any unusual discoloration, odor, or texture of ground water, is found in excavated material or if abandoned, underground tanks, pipes, or buried debris are encountered.

**21. SANITARY AND SEPTIC WASTE:** Do not bury or discharge wastewater from a sanitary or septic system within the highway. Properly connected sewer facilities are free from leaks. With State Representative approval place portable sanitary facility at least 50 feet away from storm drains, receiving waters, and flow lines. Permittee must comply with local health agency provisions when using an on-site disposal system.

**22. LIQUID WASTE:** Prevent job site liquid waste from entering storm drain systems and receiving waters. Drilling slurries, grease or oil-free waste water or rinse water, dredging, wash water or rinse water running off a surface or other nonstorm water liquids not covered under separate waste water permits shall be held in structurally sound, leak-proof containers, such as portable bins or portable tanks. Store containers at least 50 feet away from moving vehicles and equipment. Liquid waste may require testing to determine hazardous material content prior to disposal.

**23. WATER CONTROL AND CONSERVATION:** Manage water use in a way that will prevent erosion and the discharge of pollutants into storm drain systems and receiving waters. Direct runoff water, including water from water line repair from the job site to areas where it can infiltrate into the ground. Direct water from off-site sources around the job site or from contact with jobsite water.

**24. PILE DRIVING:** Keep spill kits and cleanup materials at pile driving locations. Park pile driving equipment over drip pans,

absorbent pads, or plastic sheeting with absorbent material, and away from storm water run-on when not in use.

**25. DEWATERING:** Dewatering consists of discharging accumulated storm water, groundwater, or surface water from excavations or temporary containment facilities. All dewatering operations shall comply with the latest Caltrans guidelines. Contact State representative for approval of dewatering discharge by infiltration or evaporation, otherwise, any effluent discharged into a permitted storm water system requires approval from the Regional Water Quality Control Board. Prior to the start of dewatering, the Permittee shall provide the State Representative with a dewatering and discharge work plan that complies with section 13-4.01B Submittals, Water Pollution Control, of the State of California standard specifications for construction (2010 version). A copy of the Waste Discharge Permit and a copy of a valid WDID number issued by the Regional Board shall be provided to the State representative.

## NOTICE OF MATERIALS TO BE USED INSTRUCTIONS TO PERMITTEE/CONTRACTOR

Section 6 of the *State Standard Specifications* states that, "the Contractor shall furnish the Engineer/Caltrans Permit Inspector a list of the Contractor's sources of materials and the location at which those materials will be available for inspection."

In order to avoid delay in approval of materials, the Department of Transportation must receive, in a timely manner, your faxed Form CEM-3101, "Notice of Materials to Be Used." When filing your Form CEM-3101, please comply with the following instructions:

1. The Contract Number/Permit Number and job limits should be the same as they appear on the special provisions/encroachment permit.
2. The column headed "Contract Bid Item Number" refers to the sequential item number of the contract, if applicable.
3. The column headed "Item Code" refers to the number for which the material is to be used, if applicable. It is a six digit number.
4. The column headed "Contract Item Description" refers to an item description of the material as described in the special provisions.
5. The columns headed "Item Component" and "Item Sub-component" refer to the specific description of material to be used, not necessarily the name of the contract item.

For Example:

<b>Contract Bid Item Number</b>	<b>Item Code</b>	<b>Contract Item Description</b>	<b>Item Component</b>	<b>Item Sub-Component</b>
		Bar Reinforcing steel	Coupler (service splice)	Service Splice, CJP welded

6. The column headed "Manufacturer/Provider" refers to the manufacturer/fabricator of the item and the supplier/vendor of the item. List the name and address of the Manufacturer/Fabricator. Also, list the name and address of the location where inspection will occur, if different from the Manufacturer/Fabricator.
7. Form CEM-3101, "Notice of Materials to Be Used," must be faxed to (916) 227-7084, Attn: Materials Administrator or postal mail to: Material Engineering and Testing Services, 5900 Folsom Blvd., Sacramento, CA 95819.

If the sources of materials are not known at the beginning of a contract, submit a Form CEM-3101, "Notice of Materials to Be Used," for a given bid item as soon as a provider is known. Multiple submittals may be necessary. Resubmit a Form CEM-3101, "Notice of Materials to Be Used," for all changes or revisions.

When placing orders for materials that require inspection prior to shipment, be sure to indicate on your request form that state inspection is required before shipment.



## DISTRICT 5 NOTIFICATION REQUIREMENTS

The following provisions shall apply to all permit work requiring temporary lane closures or traffic detours:

### Temporary Lane Closures

Notification of temporary lane closures or traffic detours shall be given to the State Inspector for his approval using copies of the attached form entitled, **WEEKLY TRAFFIC UPDATE**. Notification shall be submitted to the State Inspector by 12:00 PM (noon) Tuesday, prior to the week of the proposed closure or detour. Notifications submitted after the aforementioned deadline cannot be approved for the upcoming week. **All traffic control requiring the temporary closure of lanes or detour of traffic shall be approved in advance by the State Inspector.**

### Ramp Closures

Seven days prior to an approved ramp closure, advance notice shall be posted at the ramp entrance using sign detail SC6. In addition, an SC8 sign shall be posted at the preceding ramp the day of the closure unless otherwise approved by the State representative.

### Special Notifications

If construction activities such as road closures or traffic detours may result in significant traffic congestion, Permittee shall be responsible for coordinating advance notification to local newspapers, television and radio stations, and emergency response providers with both the State Inspector and the Caltrans Public Information Officer, telephone (805) 549-3237. Public notice may include press releases and/or traffic signing.

Permittee shall complete and submit the attached form entitled **PUBLIC AFFAIRS PROJECT NOTIFICATION** to the Caltrans Public Affairs Office prior to 12:00 PM (noon) the Wednesday prior to the approved closure or event. Additional information or clarification may be required in the form of a written description of the activities in a format that is suitable for a press release. The form may be delivered by fax to (805) 549-3638.

### Horizontal and Vertical Requirements for Extra-Legal Load Vehicles

Permittee shall provide written notification to the Caltrans Permit Inspector or Caltrans Representative, of proposed horizontal or vertical lane restrictions which will affect extra-legal loads up to 16' wide and 18' high, or ramp closures/reopenings that may affect extra-legal loads traveling through the project area. Said notification shall be delivered to the inspector no fewer than sixteen days prior to proposed change. Permittee shall immediately notify the Caltrans Permit Inspector or Caltrans Representative as soon as the restriction is no longer present.





# WEEKLY TRAFFIC UPDATE

## PERMITS

For the Week of: \_\_\_\_\_

Please send this form to your designated **PERMIT INSPECTOR** each week if you will be performing work that will impact traffic (lane closures, ramp closures, traffic control, etc.)

**Weekly Traffic Updates must be received by Tuesday 12:00 PM (noon) the week prior to the requested date(s) of the planned traffic control. Failure to meet the deadline may result in the denial of the requested traffic control.**

The State Permit Inspector may also require changes to the requested traffic control prior to its approval.

We appreciate your cooperation. These updates need to be done in a timely manner in order to provide information to the traveling public we serve. THANKS!!!

DATE	TIME (begin / end)	Location – Cross Streets, County Route, and Post Mile (from / to)	Impact on Traffic (Description)	Reason

Send or fax to: **Your PERMIT INSPECTOR - Paul Matsuyama, Fax #: (805) 549-3062**

Your Name: \_\_\_\_\_ Phone: \_\_\_\_\_ FAX: \_\_\_\_\_

Company/Dept.: \_\_\_\_\_ PERMIT #: **0513 NTK 0243**

SHEET NO.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

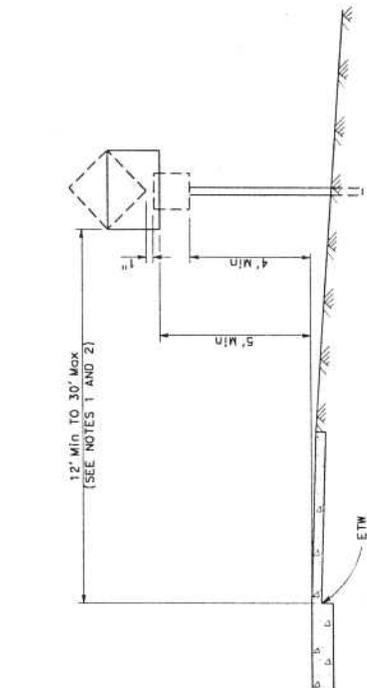
**Amel E. John**  
 REGISTERED CIVIL ENGINEER  
 No. 46462  
 State of California  
 License No. 46462  
 Exp. 12-31-13

MAY 20, 2011  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN, THE ENGINEER HAS CONDUCTED A VISUAL CHECK OF THE DRAWINGS AND FOUND THEM TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

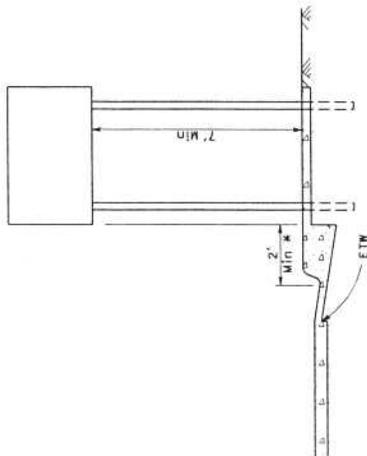
**NOTES:**

- When clear roadside recovery areas are provided, signs shall be placed on the shoulder, traveled way as possible, up to a maximum of 30'. When possible, they shall be placed in protected locations.
- Signs in medians shall be placed at midpoint of median up to a maximum distance of 30' from edge of traveled way. When appropriate, signs for opposing directions shall be placed back to back.
- Does not apply at locations where minimum horizontal distance is not reasonable due to terrain characteristics, steep slopes, roadway features, or when signs are installed on structures or signal or lighting standards.

EPS = Edge of Paved Shoulder



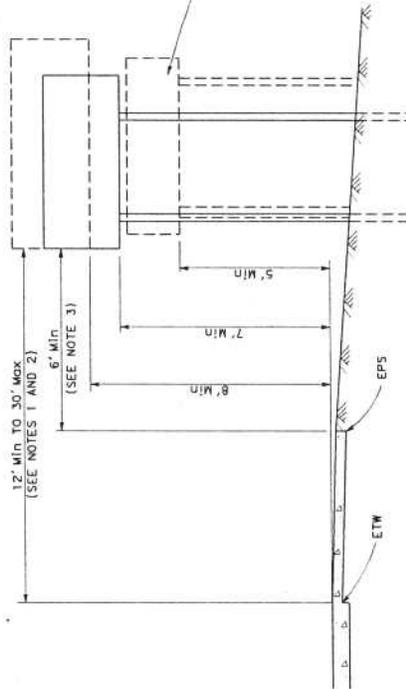
RURAL LOCATIONS



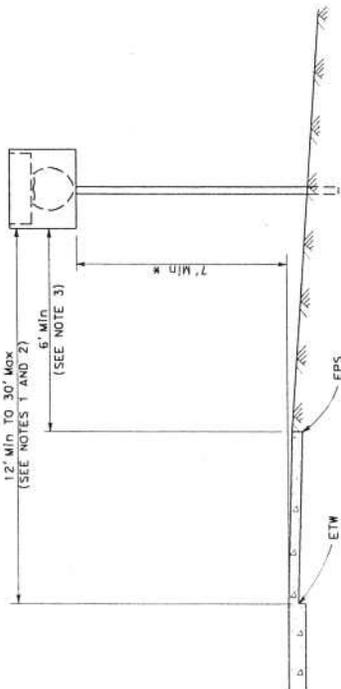
\* 1' Min WHERE LATERAL CLEARANCE LIMITED

URBAN LOCATIONS

CONVENTIONAL HIGHWAYS AND INTERCHANGE AREAS



GUIDE SIGNS



\* 5' Min AT 30' FROM ETW

REGULATORY AND WARNING SIGNS AND ROUTE SHIELDS  
FREEWAY AND EXPRESSWAY LOCATIONS

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

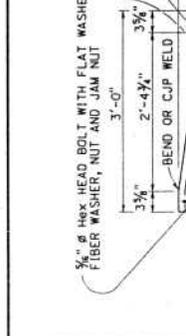
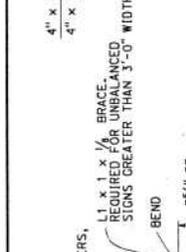
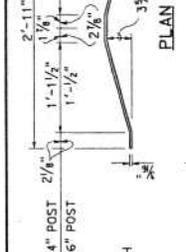
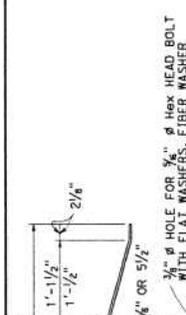
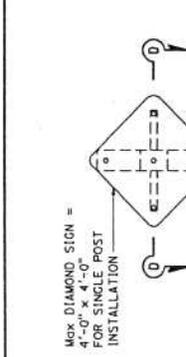
**ROADSIDE SIGNS  
TYPICAL INSTALLATION  
DETAILS No. 1**

NO SCALE

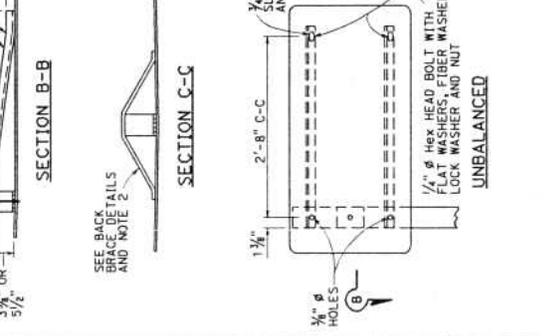
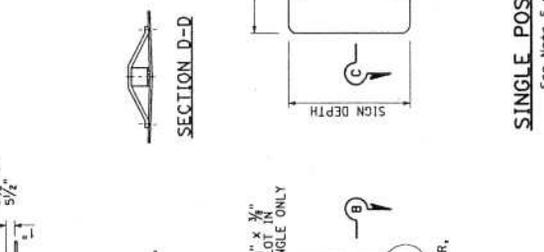
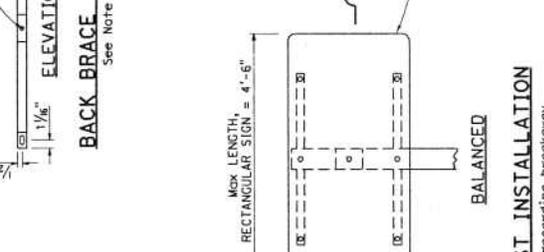
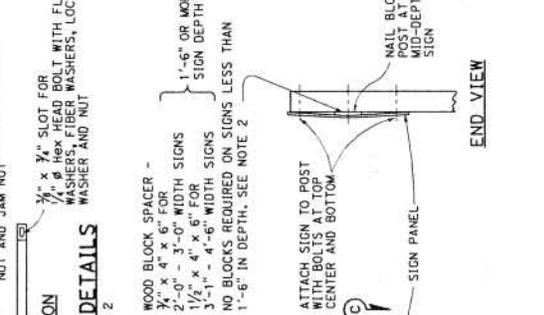
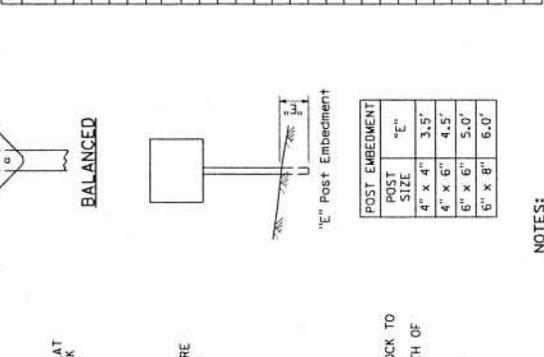
RS1

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 ROADSIDE SIGNS  
 WOOD POST  
 TYPICAL INSTALLATION  
 DETAILS No. 2  
 NO SCALE

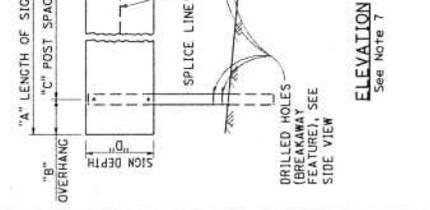
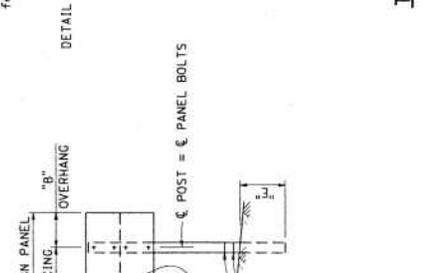
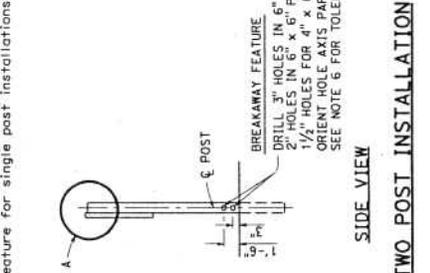
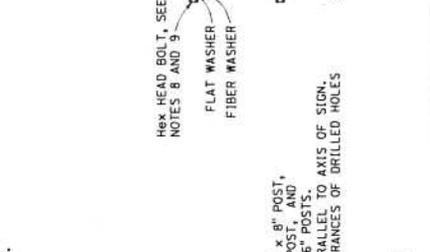
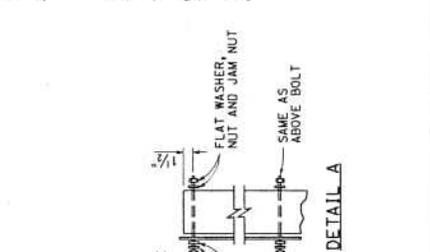
REGISTERED CIVIL ENGINEER  
 DATE: MAY 20, 2011  
 PROJECT: ROADSIDE SIGNS  
 SHEETS: TOTAL 14, PROJECT 14, THIS SHEET 14



SIGN PANEL LENGTH		SIGN PANEL OVERHANG		POST SPACING	
"A"	"B"	"B"	"B"	"C"	"C"
4'-8"	5'-6"	7"	1'-0"	3'-6"	3'-6"
6'-0"	8'-6"	1'-0"	1'-3"	4'-0"	4'-0"
7'-0"	11'-6"	1'-3"	1'-6"	4'-6"	4'-6"
8'-0"	8'-6"	1'-6"	1'-6"	5'-0"	5'-0"
9'-0"	9'-0"	1'-10"	1'-11"	5'-4"	5'-4"
10'-0"	9'-6"	2'-0"	2'-0"	5'-8"	5'-8"
10'-6"	10'-6"	2'-0"	2'-0"	6'-0"	6'-0"
11'-0"	11'-6"	2'-0"	2'-3"	6'-6"	6'-6"
12'-6"	13'-0"	2'-6"	2'-6"	7'-6"	7'-6"
13'-0"	13'-0"	2'-6"	3'-0"	8'-0"	8'-0"
14'-0"	15'-0"	2'-6"	3'-0"	9'-0"	9'-0"
15'-6"	16'-0"	3'-0"	3'-3"	9'-6"	9'-6"
16'-6"	16'-6"	3'-3"	3'-3"	10'-0"	10'-0"
17'-0"	17'-6"	3'-3"	3'-6"	10'-6"	10'-6"
18'-0"	18'-6"	3'-6"	3'-9"	11'-0"	11'-0"
19'-6"	20'-0"	3'-9"	4'-0"	11'-6"	11'-6"
20'-6"	21'-0"	4'-0"	4'-3"	12'-0"	12'-0"
21'-6"	21'-6"	4'-3"	4'-3"	13'-0"	13'-0"
22'-0"	22'-6"	4'-3"	4'-6"	13'-6"	13'-6"
23'-0"	23'-0"	4'-6"	4'-6"	14'-0"	14'-0"
23'-6"	24'-0"	4'-6"	4'-9"	14'-6"	14'-6"



- NOTES:
- Place long dimension of post cross section normal to sign axis. See Section C-C.
  - Balanced single post installations of unframed single sheet aluminum panel signs shall have block spacers if 1'-6" or more in depth and a combination of block spacers and back braces if 1'-6" or more in depth and 2'-10" or more in width. Sign panels less than 1'-6" in depth and 2'-10" or more in width shall have back braces only.
  - For post size see sign layout, format or quantity sheets. Framed single sheet panel signs require back braces. Back brace length in length, breakaway feature shall be 1'-6" or more in length. Breakaway feature shown for the two post installation.
  - Tolerance for diameter of drilled holes in breakaway feature is ±1/16".
  - Drill holes in post to match panel.
  - 1/4" for single sheet aluminum panel signs.
  - 3/8" for laminated panel signs or framed single sheet aluminum panel signs.



DISK	COUNTY	ROUTE	POST-MILES	TOTAL PROJECT	SHEET TOTAL
					NO. SHEETS

May 20, 2011  
 PLANS APPROVAL DATE  
 FOR STATE OF CALIFORNIA  
 THE ABOVE SHOWN WORK IS RESPONSIBLE FOR  
 THE ACCURACY, COMPLETENESS & SCOPE  
 OF THIS STANDARD PLAN SHEET.

- NOTES:**
- See Project Plans for:
    - Location of each sign.
    - Length of sign panel "A".
    - Depth of sign panel "A".
    - Height "h<sub>1</sub>" and "h<sub>2</sub>" of centerline of sign above ground line at each post.
    - Type of post, L and M.
  - See Standard Plans RS1 for other details.
  - "e" indicates location of 1/2" lag screws and existing holes in panels. Lag screws are to be embedded at least 1" into post using 3/8" diameter pilot holes.
  - "x" indicates location of additional 1/2" lag screws required when the depth of sign panel (d) and the length of sign panel (A) are as follows:

A	d
17'-0" to 24'-0"	5'-0"
19'-0" to 24'-0"	4'-6"
21'-0" to 24'-0"	4'-0"
24'-0"	3'-6"

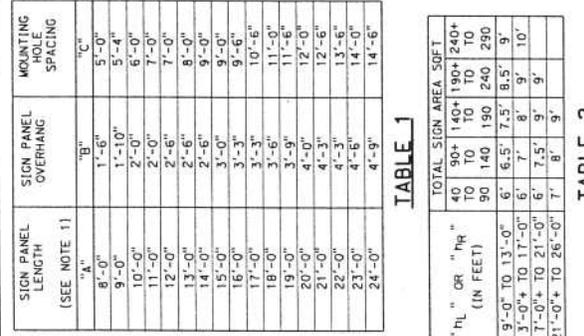
**TABLE 1**

SIGN PANEL LENGTH (SEE NOTE 1)	SIGN PANEL OVERHANG	MOUNTING SPACING
8'-0"	18"	5'-0"
9'-0"	1'-6"	5'-4"
10'-0"	1'-10"	6'-0"
11'-0"	2'-0"	7'-0"
12'-0"	2'-6"	7'-0"
13'-0"	2'-6"	8'-0"
14'-0"	2'-6"	9'-0"
15'-0"	3'-0"	9'-0"
16'-0"	3'-3"	9'-6"
17'-0"	3'-3"	10'-6"
18'-0"	3'-9"	11'-6"
19'-0"	3'-9"	11'-6"
20'-0"	4'-3"	12'-0"
21'-0"	4'-3"	12'-6"
22'-0"	4'-6"	13'-6"
23'-0"	4'-6"	14'-0"
24'-0"	4'-9"	14'-6"

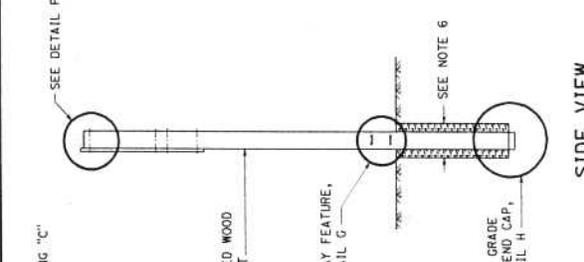
**TABLE 2**

See Note 8

"h <sub>1</sub> " OR "h <sub>2</sub> " (IN FEET)	TOTAL SIGN AREA SQFT
40	904
140	1190
190	240
290	290
6	6.5
7.5	8.5
9	9
13	13
17	17
21	21
26	26



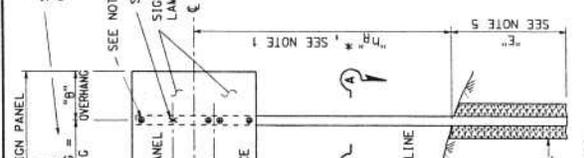
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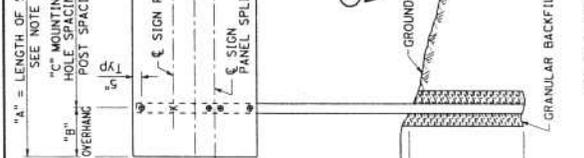
**SIDE VIEW**



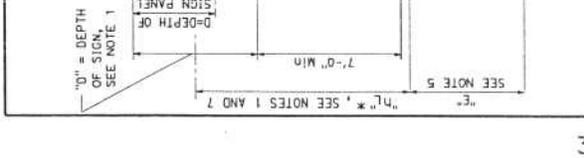
**DETAIL F**



**DETAIL G**



**DETAIL H**

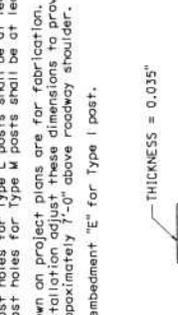


**DETAIL I**

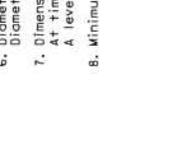


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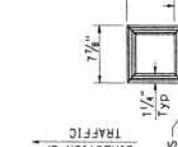
**SECTION A-A**



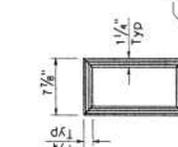
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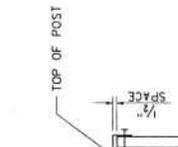
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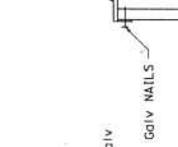
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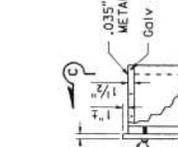
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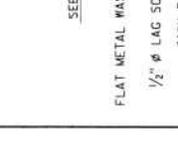
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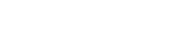
**SECTION F-F**



**SECTION G-G**



**SECTION H-H**



**SECTION I-I**

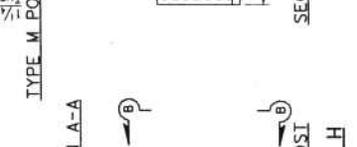
**SECTION A-A**



**SECTION A-A**



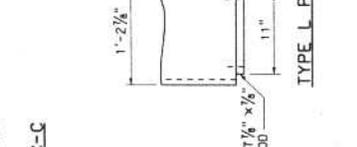
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**SECTION C-C**



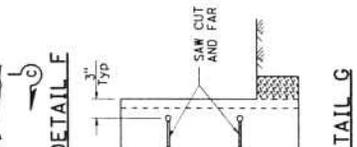
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**SECTION E-E**



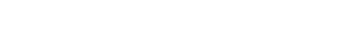
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**SECTION G-G**



**SECTION H-H**



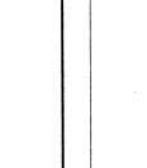
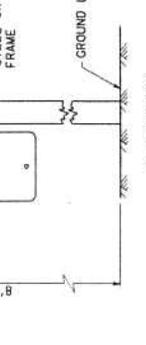
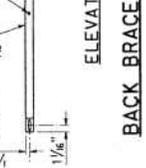
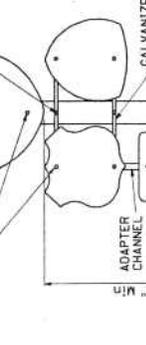
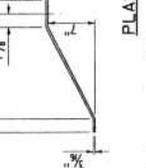
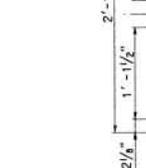
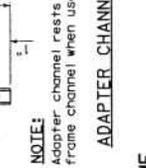
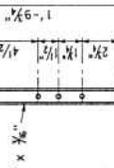
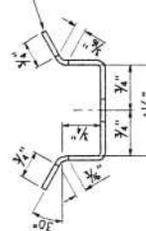
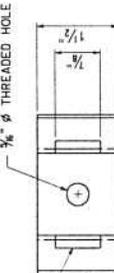
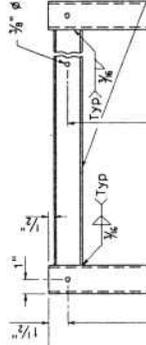
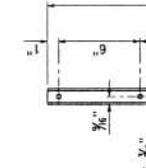
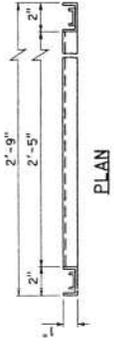
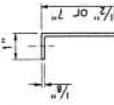
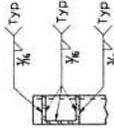
**SECTION I-I**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ROADSIDE SIGNS**  
**LAMINATED WOOD BOX POST**  
**TYPICAL INSTALLATION**  
**DETAILS No. 3**

NO SCALE

**RS3**

COUNTY: ROUTE: SHEET NO. TOTAL SHEETS  
 PROJECT: TOTAL PROJECT: NO. SHEETS  
 REGISTERED PROFESSIONAL ENGINEER  
 May 20, 2011  
 DATE OF APPROVAL: \_\_\_\_\_  
 PLANS APPROVAL DATE: \_\_\_\_\_  
 THE ENGINEER SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THIS PLAN SHEET.



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
ROADSIDE SIGNS  
TYPICAL INSTALLATION  
DETAILS No. 4  
NO SCALE

RS4

DIST COUNTY ROUTE TOTAL SHEETS NO. SHEETS

REGISTERED CIVIL ENGINEER  
 April 19, 2013  
 PLANS APPROVAL DATE

STATE OF CALIFORNIA  
 REGISTERED CIVIL ENGINEER  
 No. 48815  
 Exp. 12-31-14

THE STATE OF CALIFORNIA OR ITS OFFICERS OR EMPLOYEES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED \_\_\_\_\_

TABLE 3

**ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS*		
	A	B	C
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

\* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

TABLE 2

**LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING**

SPEED*	Min D**	DOWNGRADE Min D***		
		-3%	-6%	-9%
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

\* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

\*\* - Longitudinal buffer space or flagger station spacing and longer than 1 mile.

\*\*\* - Use on sustained downgrade steeper than -3 percent

TABLE 1

**TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING**

SPEED (S)	MINIMUM TAPER LENGTH W				MAXIMUM CHANNELIZING DEVICE SPACING			
	FOR WIDTH OF OFFSET 12 FEET (W)		TAPER		TANGENT		CONFLICT	
	2L	L	L/2	L/3	X	Y	Z	**
20	160	80	40	27	20	40	10	10
25	250	125	63	42	25	50	12	12
30	360	180	90	60	30	60	15	15
35	490	245	123	82	35	70	17	17
40	640	320	160	107	40	80	20	20
45	1080	540	270	180	45	90	22	22
50	1200	600	300	200	50	100	25	25
55	1320	660	330	220	55	110	27	27
60	1440	720	360	240	60	120	30	30
65	1560	780	390	260	65	130	32	32
70	1680	840	420	280	70	140	35	35

\* - For other offsets, use the following merging taper length formula for L:  
 For speed of 40 mph or less,  $L = WS^2/60$   
 For speed of 45 mph or more,  $L = WS$

Where: L = Taper length in feet  
 W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

\*\* - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM  
 FOR LANE CLOSURE ON  
 FREEWAYS AND EXPRESSWAYS**

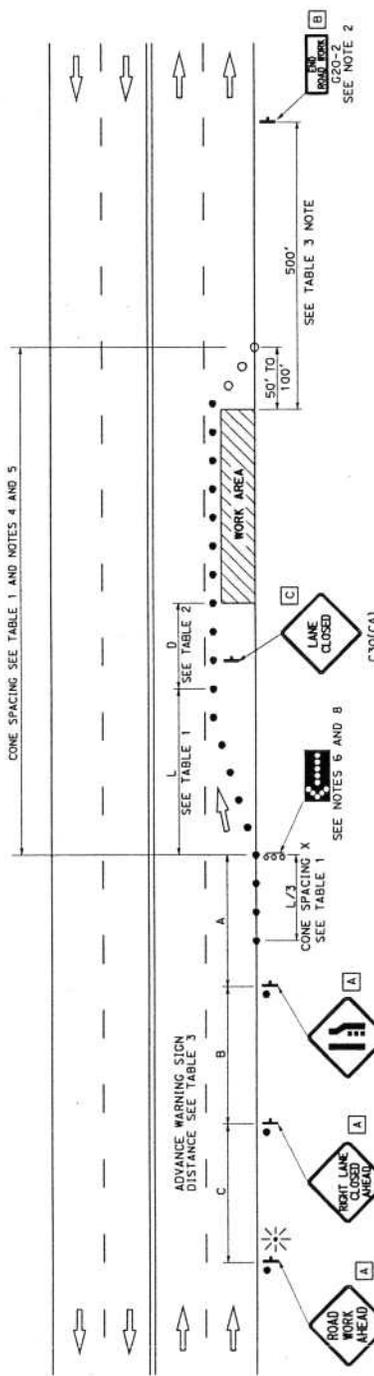
NO SCALE





COUNTY ROUTE PROJECT SHEETS TOTAL PROJECT SHEETS  
 REGISTERED CIVIL ENGINEER  
 PROFESSIONAL ENGINEER  
 APRIL 19, 2013  
 PLANS APPROVAL DATE  
 APRIL 19, 2013  
 THE STATE OF CALIFORNIA BY ITS OFFICES  
 THE AUTHORITY OF COMPETENCE OF ENGINEERS  
 HAS REVIEWED THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED \_\_\_\_\_



**NOTES:**

See Revised Standard Plan RSP T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment or Z for speed taper segment, per Table 1, unless A, Y, or Z cone spacing is shown on this sheet.  
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

**TYPICAL LANE CLOSURE**

W20-1 SEE NOTES 1 AND 3  
 W4-2R SEE NOTES 1 AND 10  
 C20(CA) SEE NOTES 1 AND 10  
 C30(CA) SEE NOTE 9

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

**LEGEND**

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ FLASHING ARROW SIGN (FAS)
- ☒ FAS SUPPORT OR TRAILER
- ⚡ PORTABLE FLASHING BEACON

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS**

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T11**

**NOTES:**

1. Each advance warning sign shall be equipped with reflective sheeting. Signs with reflective sheeting shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
2. A W20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
3. If the W20-1 sign would fall within 2000' of a structure W20-1, W20-2, W20-3, W20-4, W20-5, W20-6, W20-7, W20-8, W20-9, W20-10, W20-11, W20-12, W20-13, W20-14, W20-15, W20-16, W20-17, W20-18, W20-19, W20-20, W20-21, W20-22, W20-23, W20-24, W20-25, W20-26, W20-27, W20-28, W20-29, W20-30, W20-31, W20-32, W20-33, W20-34, W20-35, W20-36, W20-37, W20-38, W20-39, W20-40, W20-41, W20-42, W20-43, W20-44, W20-45, W20-46, W20-47, W20-48, W20-49, W20-50, W20-51, W20-52, W20-53, W20-54, W20-55, W20-56, W20-57, W20-58, W20-59, W20-60, W20-61, W20-62, W20-63, W20-64, W20-65, W20-66, W20-67, W20-68, W20-69, W20-70, W20-71, W20-72, W20-73, W20-74, W20-75, W20-76, W20-77, W20-78, W20-79, W20-80, W20-81, W20-82, W20-83, W20-84, W20-85, W20-86, W20-87, W20-88, W20-89, W20-90, W20-91, W20-92, W20-93, W20-94, W20-95, W20-96, W20-97, W20-98, W20-99, W20-100, use a C20(CA) sign for the first advance warning sign.
4. All cones used for lane closures during the hours of darkness shall be reflective (retroreflective bands or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
6. Flashing arrow sign shall be either Type I or Type II.
7. For approach speeds over 50 mph, use the Traffic Control System for Lane Closure On Freeways And Expressways plan for lane closure details and requirements.
8. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
9. Place a C30(CA) sign every 2000' throughout length of lane closure.
10. Median lane closures shall conform to the details as shown except that C20(CA) and W4-2L signs shall be used.
11. At least one person shall be assigned to provide full time maintenance of traffic control device for lane closure unless, otherwise directed by the Engineer.

COUNTY: \_\_\_\_\_ ROUTE: \_\_\_\_\_ POST MILES: \_\_\_\_\_ SHEET TOTAL: \_\_\_\_\_  
 TOTAL PROJECT: \_\_\_\_\_ NO. SHEETS: \_\_\_\_\_  
 REGISTERED CIVIL ENGINEER  
 ADT 11 19, 2013  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 THE ACCOUNT OF COMPLETENESS OF STAMPED  
 SHEETS OF THIS PLAN SHEET

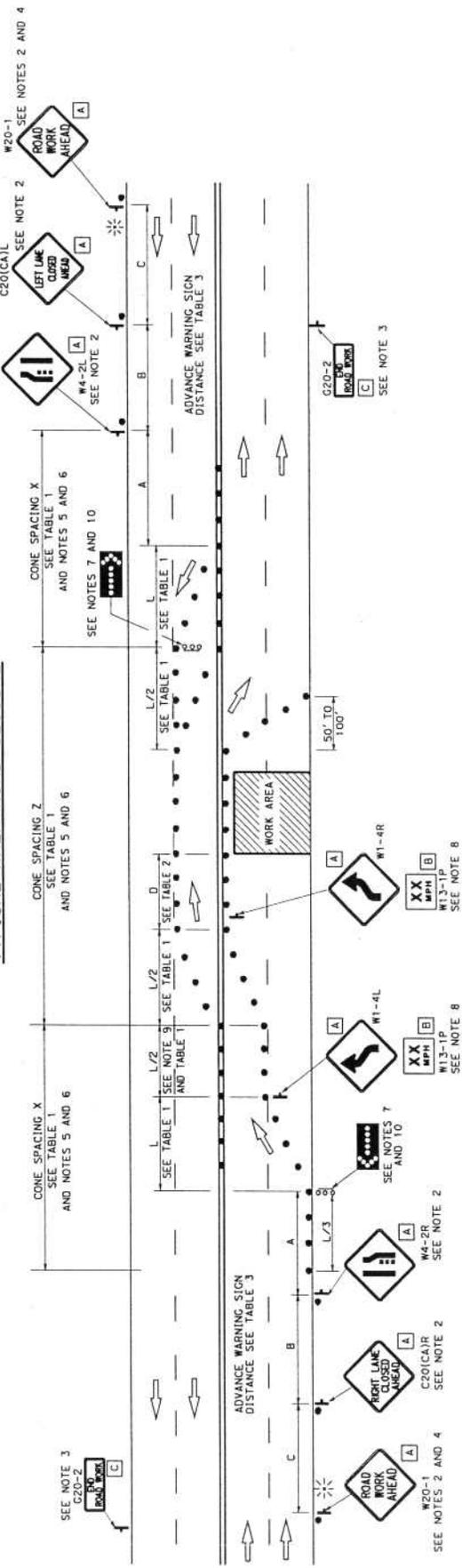
**NOTES:**  
 See Revised Standard Plan RSP T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment or Z for  
 spacing in the work area, per Table 1, unless A, Y, or Z cone  
 spacing is shown on this sheet.  
 Unless otherwise specified in the special provisions, all temporary  
 warning signs shall have black legend on fluorescent orange background,  
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes  
 are shown.

**SIGN PANEL SIZE (Min)**

A	48" x 48"
B	24" x 24"
C	36" x 18"

- LEGEND**
- TRAFFIC CONE
  - † TEMPORARY TRAFFIC CONTROL SIGN
  - ⬇ FLASHING ARROW SIGN (FAS)
  - ⬇ FAS SUPPORT OR TRAILER
  - ⬇ PORTABLE FLASHING BEACON

**TYPICAL HALF ROAD CLOSURE**



- NOTES:**
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
  - Each advance warning sign, in each direction of travel, shall be equipped with glow sticks. Two signs shall be placed in each direction. Two signs, at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
  - A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of the closure is obvious, or ends within a longer project limits.
  - If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT MILES" sign, use a C201CAIR sign for the first advance warning sign.
  - All cones used for lane closure during the hours of darkness shall be fitted with retro-reflective bands (or sleeves) as specified in the specifications.
  - Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
  - Flashing arrow signs shall be either Type I or Type II.
  - Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
  - Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
  - A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SYSTEM  
 FOR HALF ROAD CLOSURE ON  
 MULTILANE CONVENTIONAL  
 HIGHWAYS AND EXPRESSWAYS**  
 NO SCALE

RSP T12, DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12  
 DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.  
**REVISED STANDARD PLAN RSP T12**



SHEET TOTAL PROJECT NO. 142127  
 COUNTY ROUTE  
 REGISTERED CIVIL ENGINEER  
 April 19, 2013  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 IN ACCORDANCE WITH THE STANDARD PLANS BOOK DATED 2010.  
 THE ENGINEER'S SEAL AND SIGNATURE ARE REQUIRED FOR ALL SHEETS OF THIS PLAN SHEET.

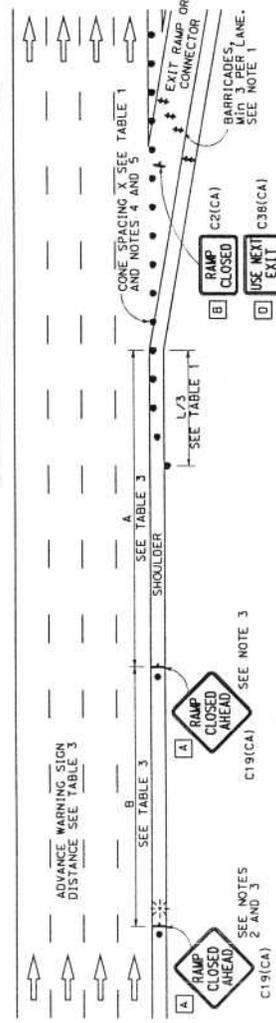
**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

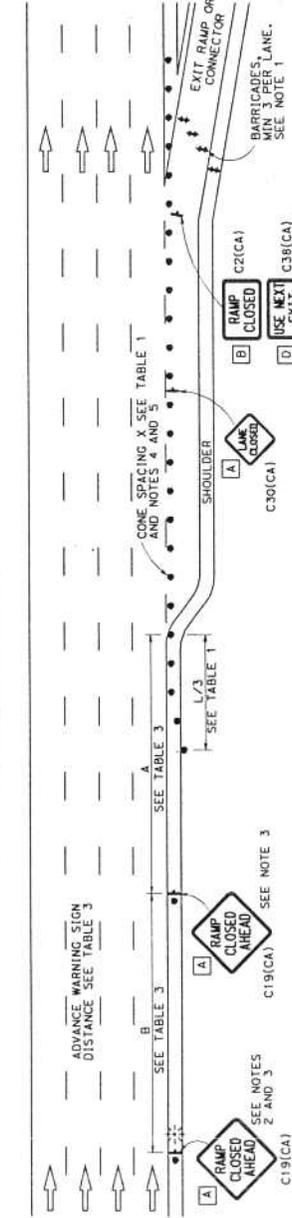
**LEGEND**

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⊥ BARRICADES
- ⊥ PORTABLE FLASHING BEACON

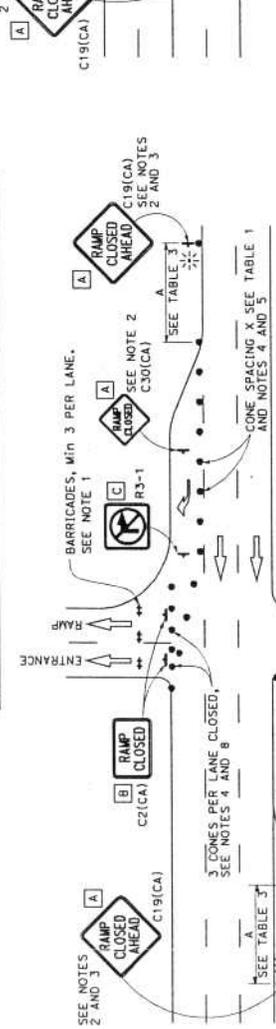
**TYPICAL RAMP CLOSURES**



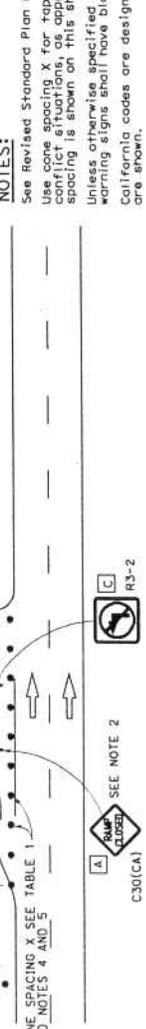
**EXIT RAMP OR CONNECTOR**



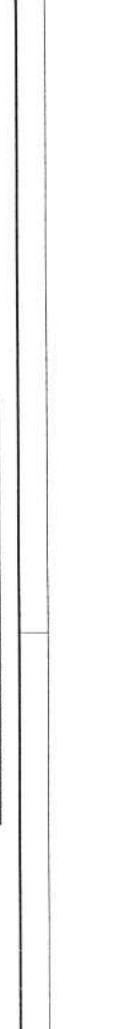
**EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE**



**ENTRANCE RAMP WITHOUT TURNING POCKETS**

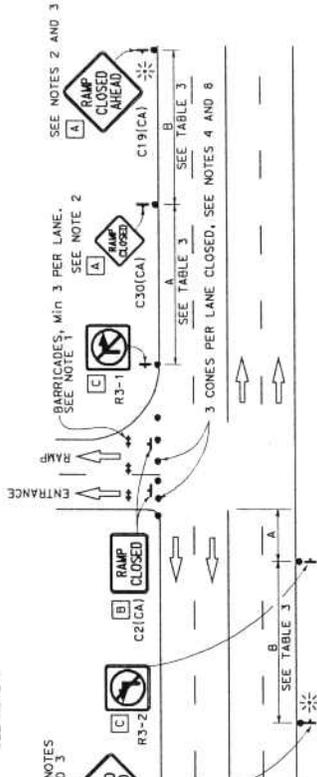


**ENTRANCE RAMP WITH TURNING POCKETS**



TO ACCOMPANY PLANS DATED \_\_\_\_\_

- NOTES:**
- Barricades shall be Type I, II, or III for closures lasting longer than one week or less and Type III for closures lasting longer than one week.
  - In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black or orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
  - Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
  - All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
  - Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
  - At least one person shall be assigned to provide full-time maintenance of traffic control devices, unless otherwise directed by the Engineer.
  - The existing "EXIT" signs shall be covered during ramp closures.
  - A minimum of 3 cones shall be placed transversely across each closed lane and abutment.



**NOTES:**

- See Revised Standard Plan RSP T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.  
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

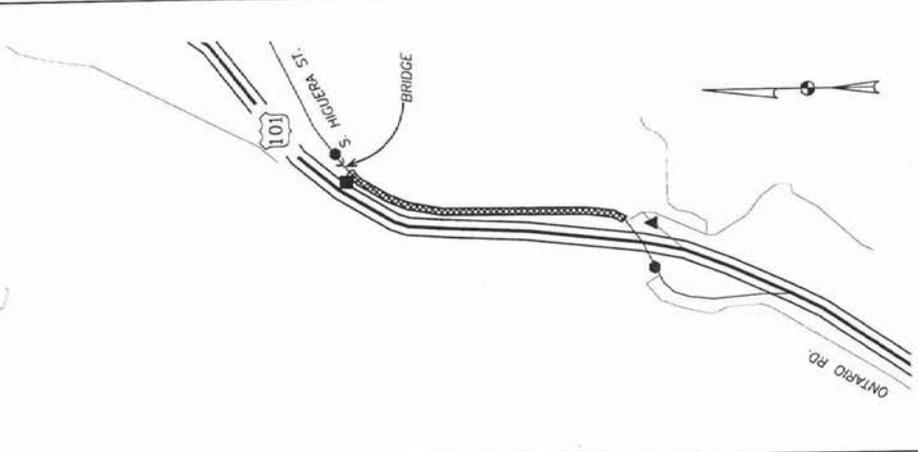
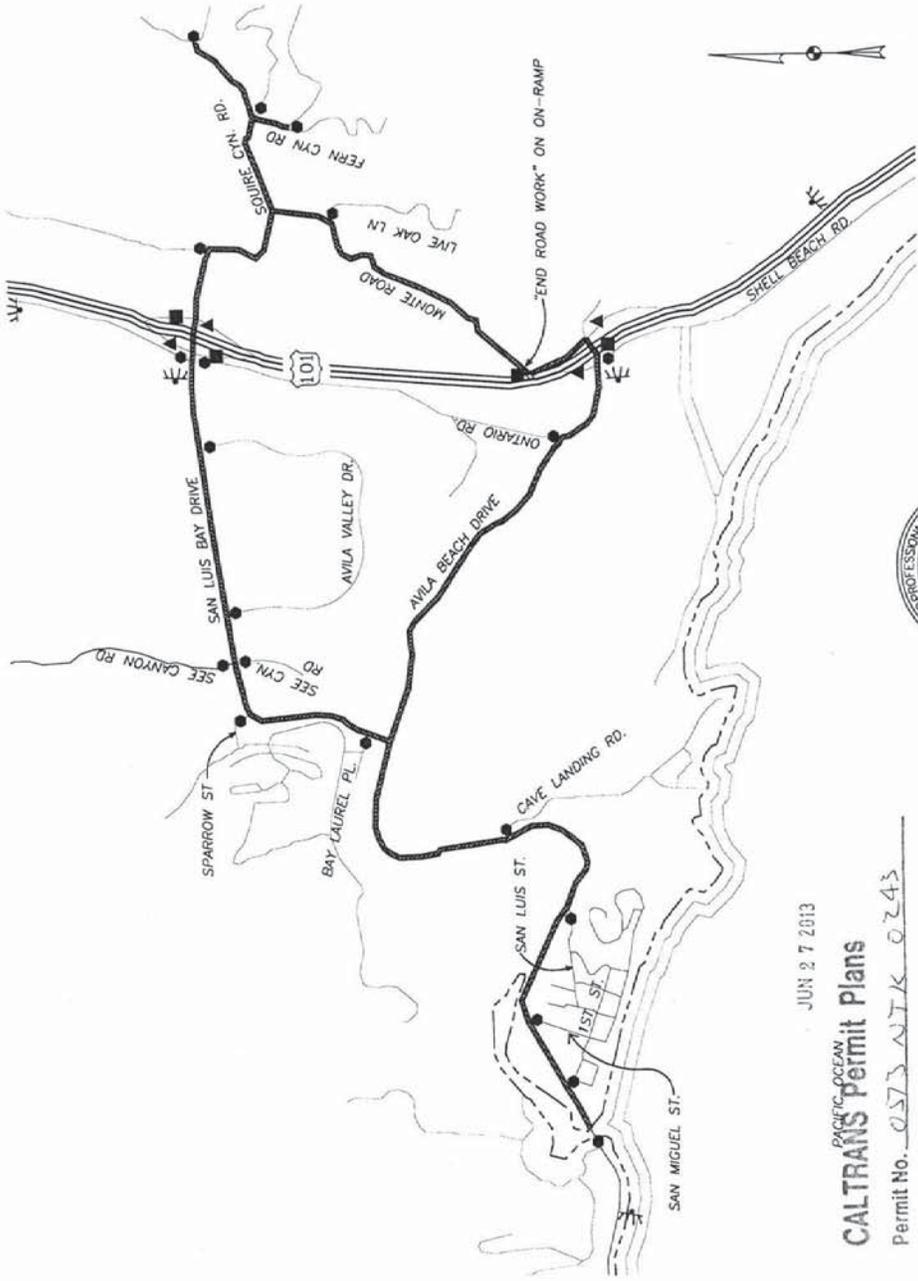
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SYSTEM  
 FOR RAMP CLOSURE**  
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14  
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T14**







JUN 27 2013

**CALTRANS Permit Plans**

Permit No. 0573 NTK 0243

Plan No. \_\_\_\_\_

Page 2 of 5

TYPE	SIZE	SIGN NAME	QTY.
▲	48" X 48"	"ROAD WORK AHEAD"	5
■	36" X 18"	"END ROAD WORK"	5
●	W20-1 & G20-2	SEE DETAIL ON SHEET 1	22
▲		PORTABLE CHANGEABLE MESSAGE SIGNS	5



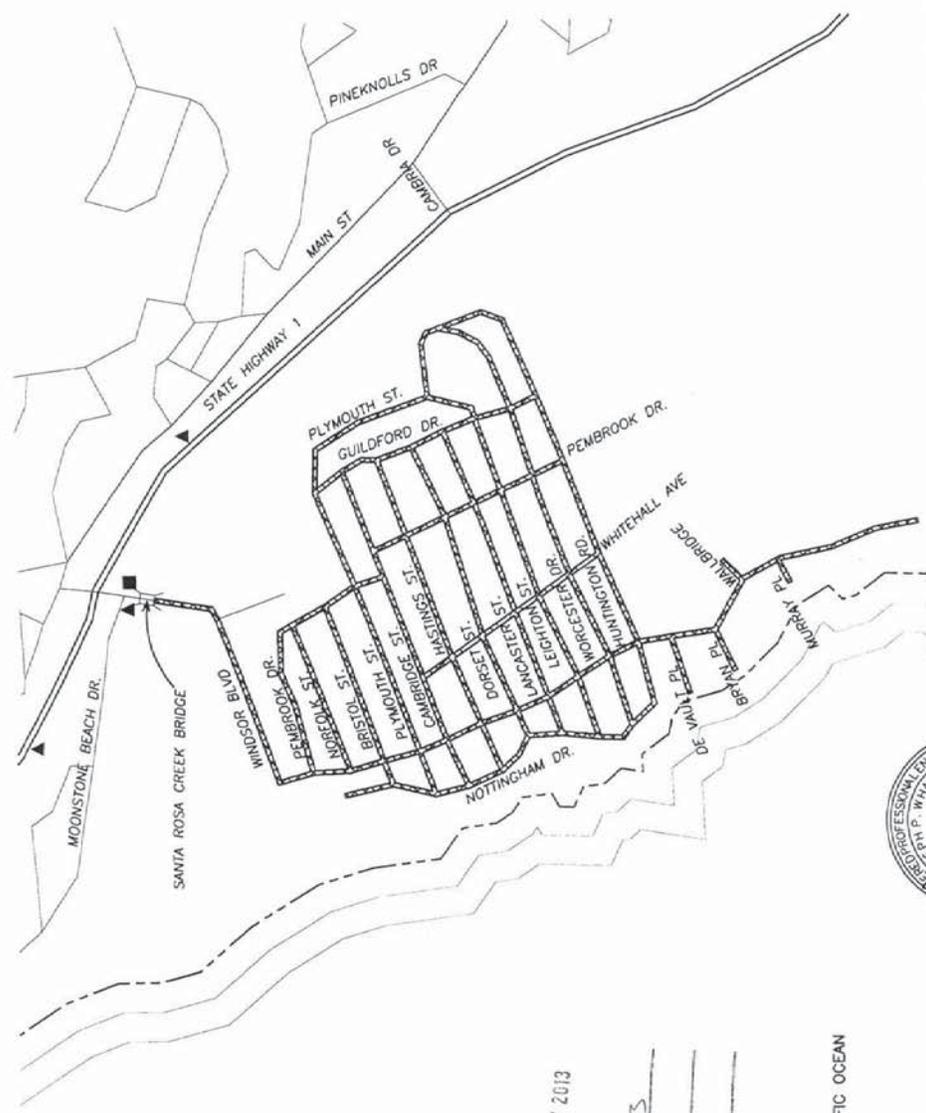
CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY OR AS DIRECTED BY THE ENGINEER.

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013 MICROSURFACING CONTRACT, VARIOUS ROADS  
 IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614

**SITE 1 - AVILA BEACH AREA**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013



JUN 27 2013  
**CALTRANS Permit Plans**  
 Permit No. 0273 ATK 0243  
 Plan No. \_\_\_\_\_  
 Page 3 of 5

PACIFIC OCEAN



CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY.

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013 MICROSURFACING CONTRACT, VARIOUS ROADS  
 IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614

**SITE 2 - NORTHWEST CAMBRIA**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013

TYPE	SIZE	SIGN NAME	QTY.
▲	48"x48"	"ROAD WORK AHEAD"	3
■	36"x18"	"END ROAD WORK"	1
●	W20-1 & G20-2	SEE DETAIL ON SHEET 1	-



PACIFIC OCEAN

JUN 27 2013

**CALTRANS Permit Plans**

Permit No. CS13 NTK 0243

Plan No. \_\_\_\_\_

Page 4 of 5

TYPE	SIZE	SIGN NAME	QTY.
▲	48"x48"	"ROAD WORK AHEAD"	7
■	36"x18"	"END ROAD WORK"	3
●	W20-1 & G20-2	SEE DETAIL ON SHEET 1	-

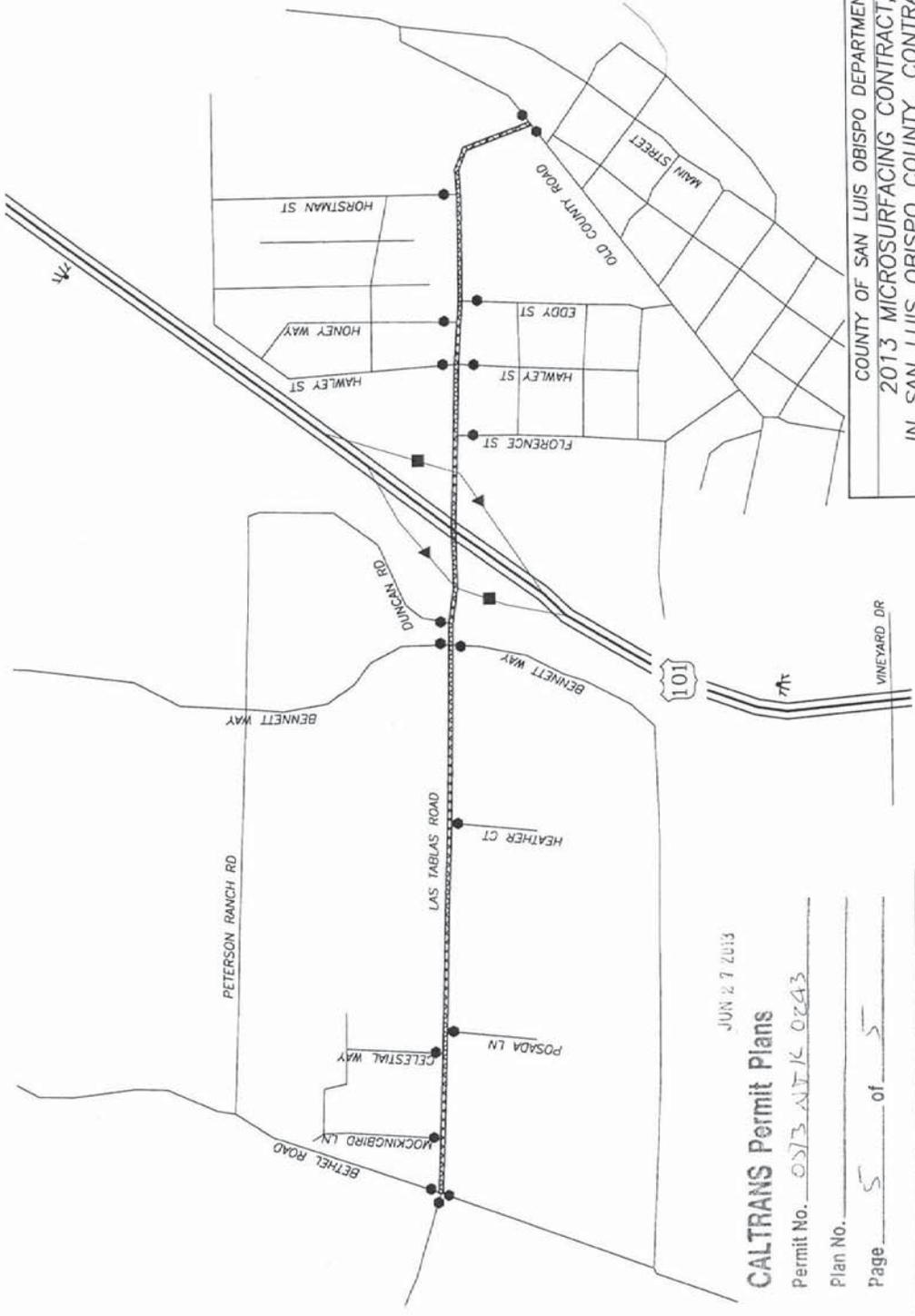
CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY.

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013 MICROSURFACING CONTRACT, VARIOUS ROADS  
 IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614

**SITE 3 - SOUTHWEST CAMBRIA**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013



JUN 27 2013

**CALTRANS Permit Plans**

Permit No. 033-ATK 0243

Plan No. \_\_\_\_\_

Page 5 of 5

TYPE	SIZE	SIGN NAME	QTY.
▲	48"x48"	"ROAD WORK AHEAD"	2
■	36"x18"	"END ROAD WORK"	2
●	W20-1 & G20-2	SEE DETAIL ON SHEET 1	18
W	PORTABLE CHANGEABLE MESSAGE SIGNS		2

CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY OR AS DIRECTED BY THE ENGINEER.

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013 MICROSURFACING CONTRACT, VARIOUS ROADS  
 IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614

**SITE 4 - TEMPLETON**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013



**APPENDIX E**  
**PROJECT PLANS**



COUNTY OF SAN LUIS OBISPO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
DESIGN DIVISION

INDEX OF SHEETS

SHEET NO. 1	VICINITY MAP
SHEET NO. 2	SITE 1 - AVILA BEACH AREA
SHEET NO. 3	SITE 2 - NW CAMBRIA AREA
SHEET NO. 4	SITE 3 - SW CAMBRIA AREA
SHEET NO. 5	SITE 4 - TEMPLETON AREA

2013 MICRO-SURFACING  
VARIOUS COUNTY ROADS  
SAN LUIS OBISPO COUNTY, CA  
CONTRACT NO. 245R12B614

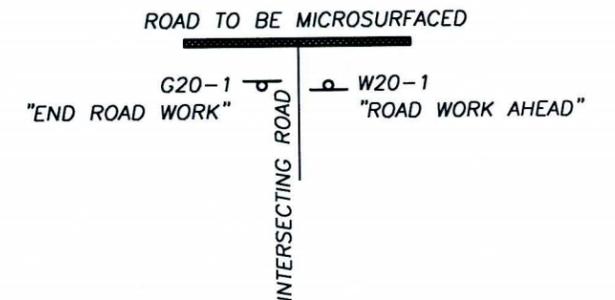
To Be Supplemented By State Standard Plans Dated May, 2006

NOTES:  
"ROAD WORK AHEAD" SIGNS SHALL BE STATIONARY ON 4X6 WOOD POSTS, "END ROAD WORK" SIGNS ON 4X4 WOOD POSTS UNLESS OTHERWISE NOTED.

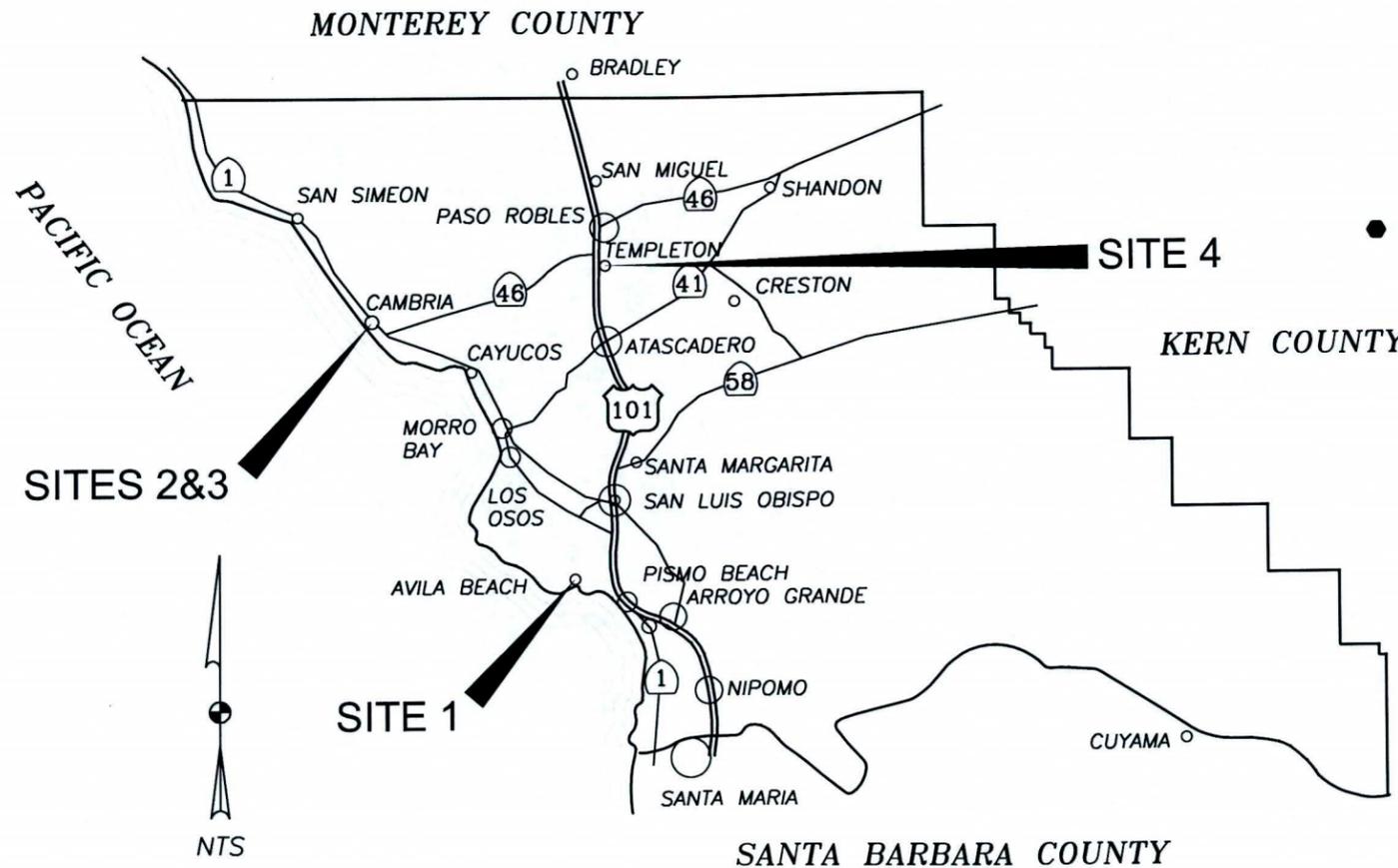
ALL CONSTRUCTION SIGNS SHALL BE PLACED APPROXIMATELY 4' OFF THE EDGE OF PAVEMENT POSITION OF SIGNS SHALL BE DETERMINED BY THE ENGINEER.

	TYPE	SIZE	SIGN NAME
▲	W20-1	48"x48"	"ROAD WORK AHEAD"
■	G20-2	36"x18"	"END ROAD WORK"
●	W20-1	48"x48"	"ROAD WORK AHEAD"
	G20-2	36"x18"	"END ROAD WORK"

● CONSTRUCTION AREA SIGN DETAIL

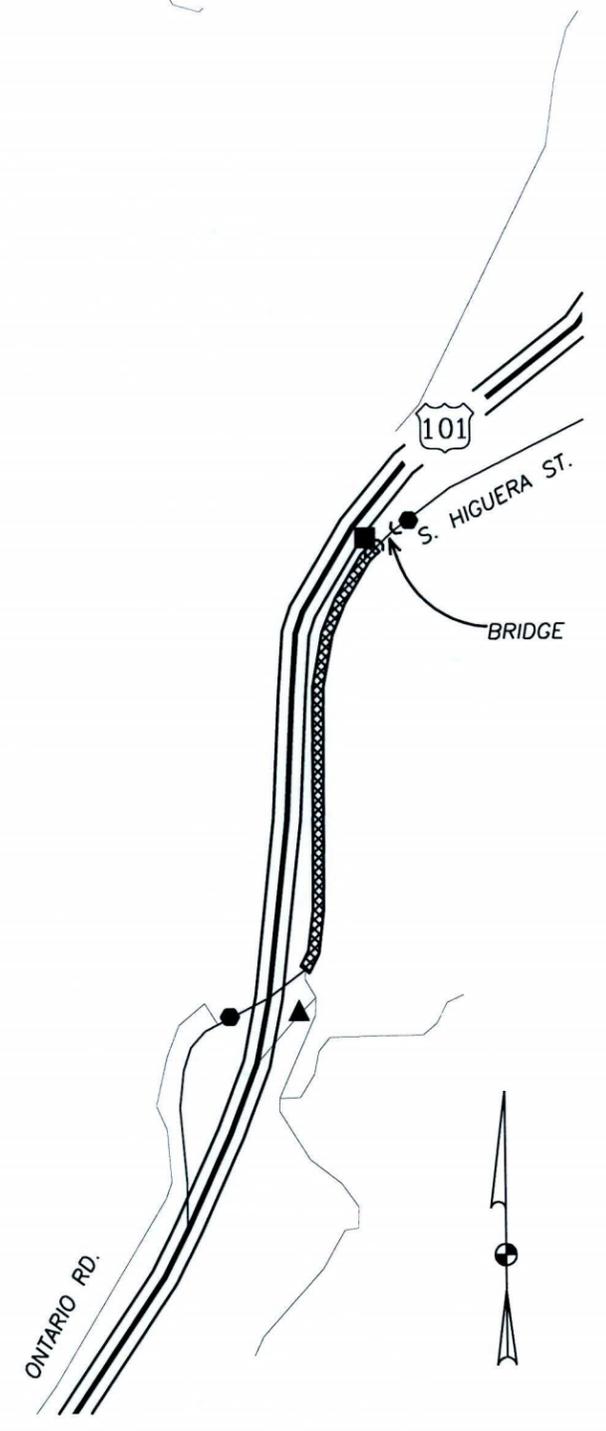
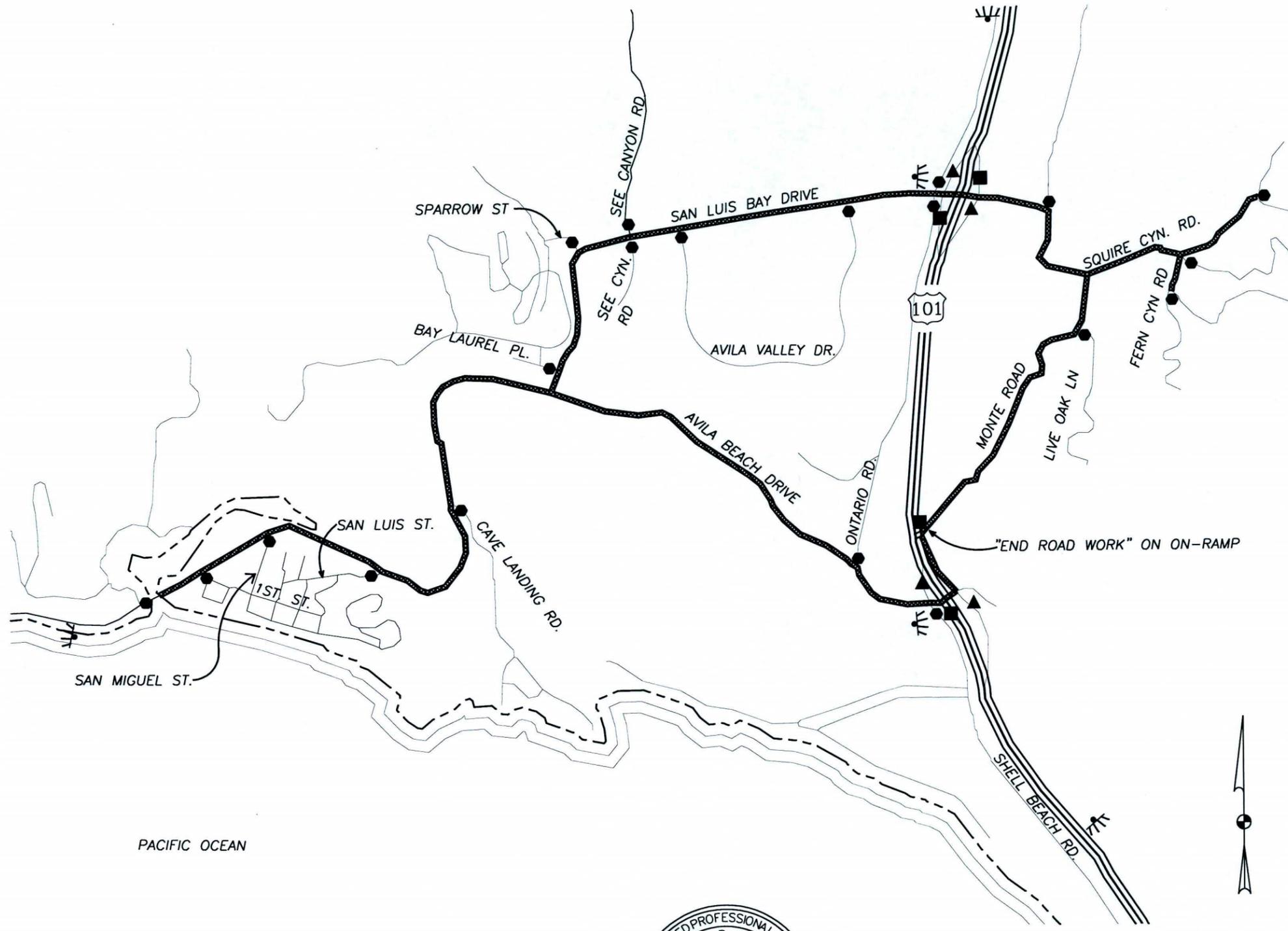


THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS"



APPROVED: June 26, 2013  
Dave Flynn  
DEPUTY DIRECTOR OF PUBLIC WORKS  
ENGINEERING SERVICES  
R.C.E. 43933

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013 MICRO-SURFACING CONTRACT, VARIOUS COUNTY ROADS SAN LUIS OBISPO COUNTY, CA CONTRACT NO. 245R12B614					
<b>TITLE PAGE</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013



PACIFIC OCEAN



CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY OR AS DIRECTED BY THE ENGINEER.

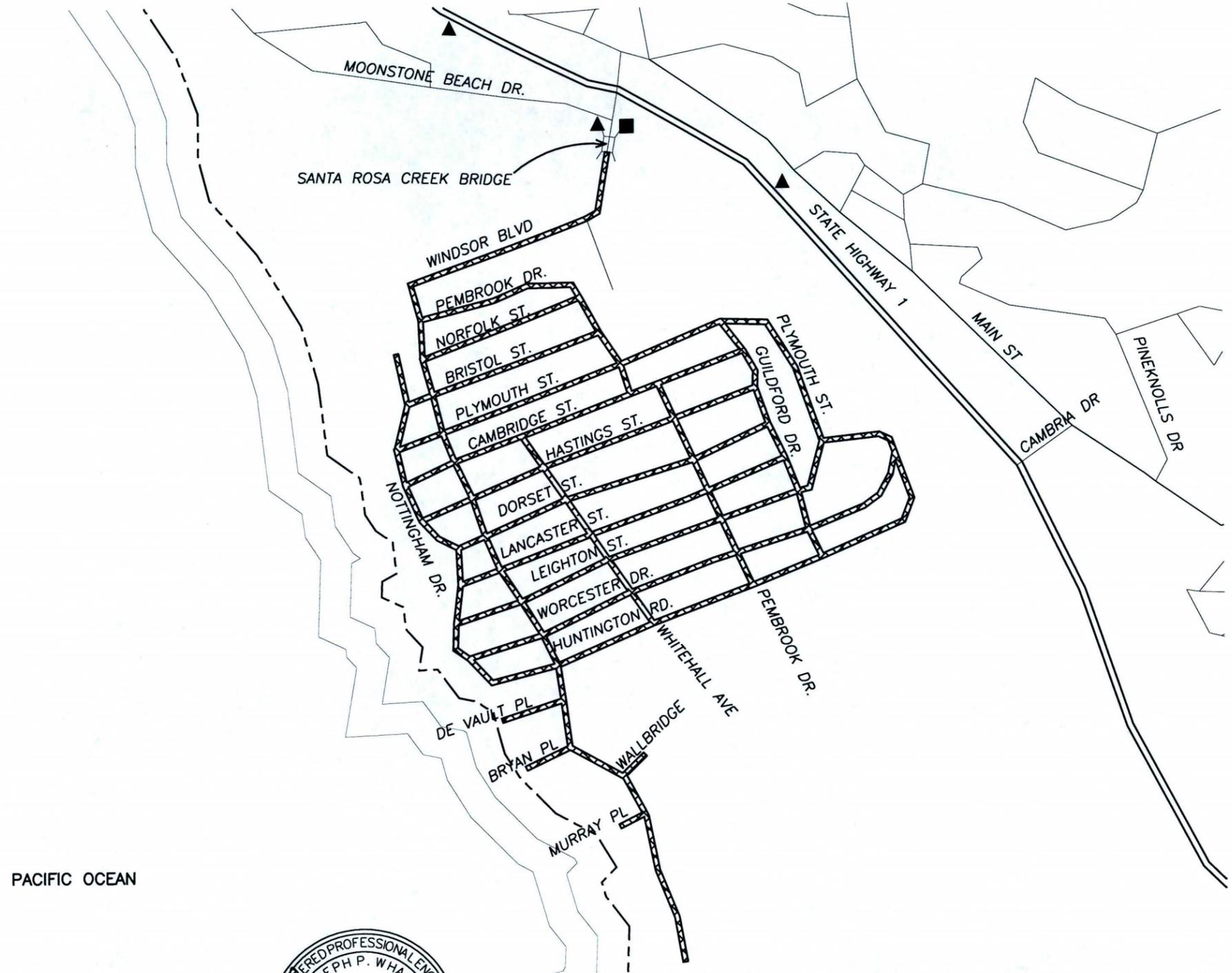
	TYPE	SIZE	SIGN NAME	QTY.
▲	W20-1	48"x48"	"ROAD WORK AHEAD"	5
■	G20-2	36"x18"	"END ROAD WORK"	5
●	W20-1 & G20-2		SEE DETAIL ON SHEET 1	22
W	PORTABLE CHANGEABLE MESSAGE SIGNS			5

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013 MICROSURFACING CONTRACT, VARIOUS ROADS  
 IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614

**SITE 1 - AVILA BEACH AREA**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013



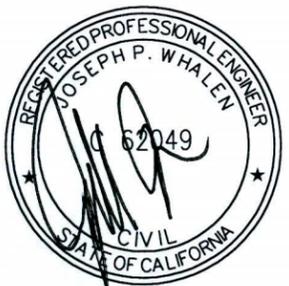
PACIFIC OCEAN



CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY.

TYPE	SIZE	SIGN NAME	QTY.
▲ W20-1	48"x48"	"ROAD WORK AHEAD"	3
■ G20-2	36"x18"	"END ROAD WORK"	1
● W20-1 & G20-2		SEE DETAIL ON SHEET 1	-

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013 MICROSURFACING CONTRACT, VARIOUS ROADS					
IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614					
<b>SITE 2 - NORTHWEST CAMBRIA</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013



COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013 MICROSURFACING CONTRACT, VARIOUS ROADS  
 IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614.

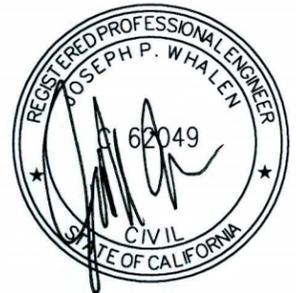
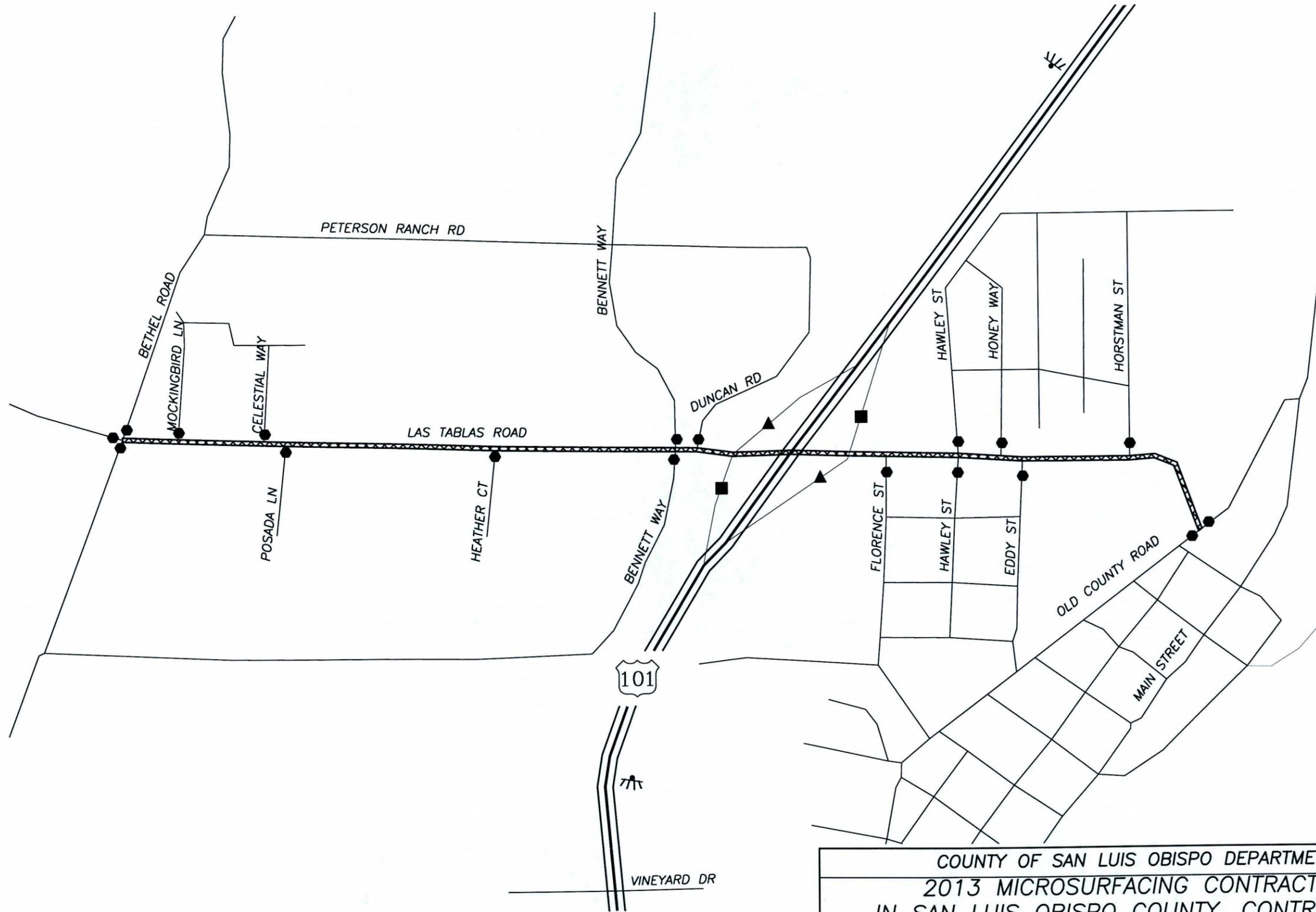
**SITE 3 - SOUTHWEST CAMBRIA**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013

	TYPE	SIZE	SIGN NAME	QTY.
▲	W20-1	48"x48"	"ROAD WORK AHEAD"	7
■	G20-2	36"x18"	"END ROAD WORK"	3
●	W20-1 & G20-2		SEE DETAIL ON SHEET 1	-

CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY.



	TYPE	SIZE	SIGN NAME	QTY.
▲	W20-1	48"x48"	"ROAD WORK AHEAD"	2
■	G20-2	36"x18"	"END ROAD WORK"	2
●	W20-1 & G20-2		SEE DETAIL ON SHEET 1	18
W	PORTABLE CHANGEABLE MESSAGE SIGNS			2

CONSTRUCTION AREA SIGNS SHALL BE PLACED 1500' IN ADVANCE AND BEYOND ANY PROJECT ROAD INTERSECTING A STATE HIGHWAY OR AS DIRECTED BY THE ENGINEER.

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013 MICROSURFACING CONTRACT, VARIOUS ROADS					
IN SAN LUIS OBISPO COUNTY, CONTRACT NO. 245R12B614					
<b>SITE 4 - TEMPLETON</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
J WHALEN	6/2013	J LAMBERT	6/2013	J. WERST	6/2013

