



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

Fax (805) 781-1229

email address: [pwd@co.slo.ca.us](mailto:pwd@co.slo.ca.us)

July 2, 2013

**FAX AND EMAIL &  
ATTACH TO CONTRACT**

**ADDENDUM NO. 1 TO  
ASPHALT OVERLAY 2013  
RAMADA DRIVE AND EL POMAR DRIVE  
SAN LUIS OBISPO COUNTY, CA  
CONTRACT NO. 300482**

**The final day, time and location for submittal of bid proposal remain unchanged:**

**Date / Time: Thursday, July 18, 2013 at 3:00 p.m.**

At: Office of the County Clerk  
1055 Monterey Street, Room D-120  
San Luis Obispo, California 93408

Certain revisions are hereby incorporated into the Contract Documents for the subject project. These revisions are as follows:

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The "Table of Contents" is hereby amended as follows:

- 1) On page iii, add the following under "ATTACHMENTS":

**CALTRANS ENCROACHMENT PERMIT**

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The section titled "SECTION 10. CONSTRUCTION DETAILS" is hereby amended as follows:

- 1) Section 10-1.01, "Order of Work," insert the following after the fifth paragraph on page 10-1:

In accordance with the Noise Standards as specified in Title 22.10.120 of the County Code, construction may take place between the hours of 7:00 A.M – 9:00 PM Monday through Friday. Construction operations outside said hours are subject to the approval of the Engineer and shall satisfy the exterior noise level standards per Section 22.10.120.B.1.

- 2) Section 10-1.01, "Order of Work," insert the following after the ninth paragraph on page 10-1:

The Contractor's attention is directed to the provisions of Section 10-1.06, "Obstructions" of these special provisions. The Contractor shall be responsible to locate and protect all underground utility facilities within

the construction area including coordination with the local utility companies to tie-out utility facilities as required.

- 3) Section 10-1.02, "Encroachment Permit," replace the first sentence after "Encroachment Permit:" on page 10-2 with the following:

The Contractor shall be required to apply for, obtain, and adhere to a Caltrans encroachment permit prior to starting work within the Caltrans right of way.

- 4) Section 10-1.02, "Encroachment Permit," add the following to the end of the second paragraph under said section on page 10-2:

The Contractor may anticipate an application fee of \$984.00.

- 5) Section 10-1.02, "Encroachment Permit," replace the third paragraph under said section on page 10-2 with the following:

The Contractor's encroachment permit application shall state that it is a "Double Permit" for Permit Number No. 0513 NTK 0323. A copy of the Encroachment Permit is attached to this contract.

- 6) Section 10-1.06, "Obstructions," on page 10-27, replace the first sentence in the second paragraph under said section with the following:

It shall be the responsibility of the Contractor to work with the utility companies to locate and tie-out all underground utility facilities within the construction area prior to any excavation work, and to tie-out any surface utility facilities that will be covered by paving operations.

- 7) Section 10-1.06, "Obstructions," add the following to the end of the fourth paragraph under said section on page 10-27:

The Contractor shall be responsible to protect in place all existing utility facilities. Utility owners shall be financially responsible for adjustments to their facilities.

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The following attachment is included in this addendum:

- 1) Caltrans Encroachment Permit No. 0513 NTK 0323
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All bidders shall acknowledge acceptance of this correction notice. **PLEASE FAX TO US, TODAY, A SIGNED COPY OF THIS SHEET INDICATING CONFIRMATION OF RECEIPT OF THIS ADDENDUM (FAX (805) 781-1229).** If you are unable to read the fax, please call Jeff Werst in the Public Works Department at (805) 781-5252.

*DF*   
PAAVO OGREN  
Director of Public Works

Attachment

File: Contract No. 300482

### ACKNOWLEDGMENT

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Company Name

Printed Name

Signature

Date

**ENCROACHMENT PERMIT**

TR-0120 (REV. 6/2000)

Permit No. <b>0513 NTK 0323</b>	
Dist/Co/Rte/PM <b>05-SLO-101-54.1</b>	
Date <b>July 2, 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 **June 27, 2013**
- Utility Notice No. \_\_\_\_\_ of \_\_\_\_\_
- Agreement No. \_\_\_\_\_ of \_\_\_\_\_
- R/W Contract No. \_\_\_\_\_ of \_\_\_\_\_

**TO:** County of San Luis Obispo Public Works Dept.  
Attn: Steve Jones  
County Government Center, Room 207  
San Luis Obispo, CA 93408

Phone: (805) 781-5013  
Your Reference No. N/A

, PERMITTEE

And subject to the following, PERMISSION IS HEREBY GRANTED to:

Place construction area signs and portable changeable message signs to accommodate paving on Ramada Drive as shown on the attached plans and as directed by the permit provisions in US Highway 101 right of way at postmile 54.1 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 **January 31, 2014**

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)  
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  
 PEDESTRIAN SAFETY (MCP)  
 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**

**Permittee shall be responsible to identify the location of Caltrans traffic signal conduits and detector loops prior to performing excavation or pavement removal operations. Permittee shall take all necessary precautions to protect Caltrans traffic signal facilities in place. Permittee shall be solely responsible to replace damaged traffic signal facilities as directed by the Caltrans representative.**

**Permittee shall coordinate with the Caltrans Permit Inspector and Caltrans Electrical Operations to change the operation of traffic signal facilities. Only Caltrans Electrical Operations staff is allowed to access and modify the operation of the traffic signal controller.**

### **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 \$984.00 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 0323."**

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 permit 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 (electroliner) 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. Permittee shall contact**

**the State Inspector a minimum of two (2) working days in advance of placing portable changeable message signs to review the location of the signs and message to be displayed.**

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 on Highway 101 will be allowed as follows:**

**Monday through Thursday 6:00 p.m. to 6:00 a.m.**

**Friday 12:00 midnight to 6:00 a.m.**

Lane closures will be allowed on Highway 46 during the times listed below:

Daytime	Days	Hours
	Monday through Thursday	8:00 a.m. to 4:00 p.m.
	Friday	8:00 a.m. to 2:00 p.m.

Night time	Days	Hours
	Monday through Thursday	8:00 p.m. to 6:00 a.m.
	Friday	12:00 midnight to 6:00 a.m.

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	0573 NTK 0323
DIST/CO/RTE/PM	05-SLO-101-SA.1
SIMPLEX STAMP	
DIST. 05	
130323	
DATE OF SIMPLEX STAMP	
6-27-2013	

1. COUNTY San Luis Obispo		2. ROUTE 46	3. POSTMILE 54.1	
4. ADDRESS OR STREET NAME Intersection of HWY 46 & HWY 1			5. CITY Paso Robles	
6. CROSS STREET (Distance and direction from site) Ramada Drive			7. PORTION OF RIGHT-OF-WAY Shoulders	
8. WORK TO BE PERFORMED BY <input type="checkbox"/> OWN FORCES <input checked="" type="checkbox"/> CONTRACTOR		9. EST. START DATE September 3rd, 2013		10. EST. COMPLETION DATE October 15th, 2013
11. EXCAVATION	MAX. DEPTH 4'	AVG. DEPTH 3'	AVG. WIDTH 2'	LENGTH 2'
12. EST. COST IN STATE HIGHWAY RIGHT-OF-WAY			FUNDING SOURCE(S) <input type="checkbox"/> FEDERAL <input type="checkbox"/> STATE <input checked="" type="checkbox"/> LOCAL <input type="checkbox"/> PRIVATE	
13. PIPES	PRODUCT TYPE	DIAMETER	VOLTAGE / PSIG	14. CALTRANS PROJECT E.A. NUMBER

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.

Place construction area signs, and portable changeable message signs within Caltrans Right-of-way

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.)

ADA NOTICE: For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write to Records and Forms Management, 1120 N Street, MS-39, Sacramento, CA 95834.

PERMIT NO. 0573 NTK 0323

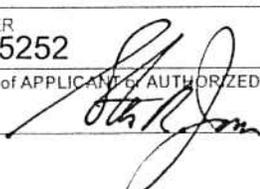
22. Will this proposed project require the disturbance of soil?  YES  NO  
 If "YES", estimate the area within State Highway right-of-way in square feet AND acres: \_\_\_\_\_ (ft<sup>2</sup>) AND \_\_\_\_\_ (acres)  
 estimate the area outside of State Highway right-of-way in square feet AND acres: \_\_\_\_\_ (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 Indemnitees, 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 Indemnitees. The Applicant, however, shall not be obligated to indemnify Indemnitees 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) County of San Luis Obispo, Public Works Department		E-MAIL ADDRESS sjones@co.slo.ca.us	
ADDRESS of APPLICANT or ORGANIZATION WHERE PERMIT IS TO BE MAILED (Include City and Zip Code) County Government Center, Room 207, San Luis Obispo, Ca 93408			
PHONE NUMBER 805-781-5013	FAX NUMBER 805-781-1307		
26. NAME of AUTHORIZED AGENT / ENGINEER (Print or Type) Steve Jones	IS LETTER OF AUTHORIZATION ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	E-MAIL ADDRESS sjones@co.slo.ca.us	
ADDRESS of AUTHORIZED AGENT / ENGINEER (Include City and Zip Code) County Government Center, Room 207, San Luis Obispo, Ca 93408			
PHONE NUMBER 805-781-5252	FAX NUMBER 805-781-1307		
27. SIGNATURE of APPLICANT or AUTHORIZED AGENT 	28. PRINT OR TYPE NAME Steve Jones	29. TITLE RCE	30. DATE 6-25-13

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. **REVOCAION:** 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 sepia 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.

## PEDESTRIAN SAFETY (MCP) SPECIAL PROVISIONS

In addition to the attached General Provisions (Form TR-0045), the following special provisions are also applicable:

1. When the work area encroaches upon a sidewalk, walkway, or crosswalk area, special consideration must be given to pedestrian safety. Protective barricades, fencing, handrails and bridges, together with warning and guidance devices and signs must be utilized so that the passageway for pedestrians, especially blind and other physically handicapped, is safe and well defined and shown on the approved permit plan.
2. Pedestrian walkways and canopies within State Right of Way shall comply with the requirements of the applicable local agency or of the latest edition of the Uniform Building Code whichever contains the higher standards

**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.

## PUBLIC AFFAIRS PROJECT NOTIFICATION

This Project Notification should be faxed to Public Affairs as early as possible prior to beginning any construction or maintenance project. Please fill out this form as thoroughly as possible.

TO: PUBLIC AFFAIRS PHONE: (805) 549-3237  
(805) 549-3138

ATTN: Susana Cruz FAX: (805) 549-3326  
Jim Shivers

E.A OR PERMIT NUMBER: **0513 NTK 0323**

COUNTY, ROUTE & POSTMILE: **05-SLO-101-54.1**

PROJECT LIMITS (location in miles, distance from nearest landmarks or cities, etc.):

PROJECT DESCRIPTION AND PURPOSE FOR PROJECT:

RE/SUPV: PHONE: FAX:  
CONTRACTOR: FROM (CITY):  
CONTRACT BID AMOUNT:  
ANTICIPATED DATE TO \*BEGIN CONSTRUCTION:  
ALLOTTED WORKING DAYS:  
ANTICIPATED \*COMPLETION DATE:  
ANTICIPATED TRAFFIC CONTROL & HOURS OF CLOSURE:

ANTICIPATED TRAFFIC DELAYS:

COMMENTS: (What else does the public need to know? Diagrams, maps also helpful.)

\*Please let Public Affairs know of changes in Startup or Completion dates.



DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

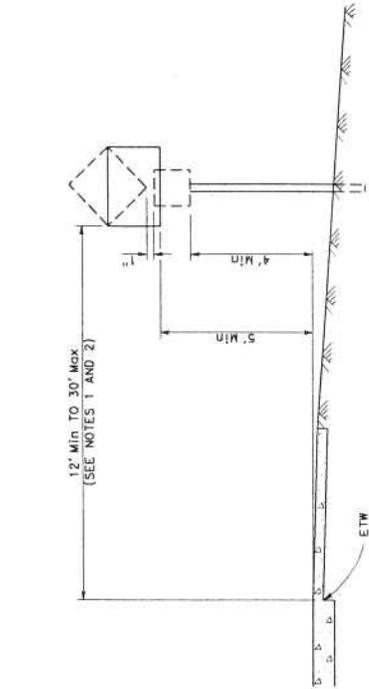
**Paul E. John**  
 REGISTERED CIVIL ENGINEER  
 No. 25313  
 State of California  
 License No. 44602

May 20, 2011  
 PLANS APPROVAL DATE  
 THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY, COMPLETENESS OR SCALED COPY OF THIS DRAWING.

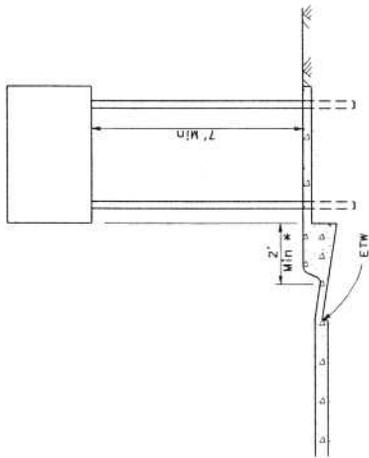
**NOTES:**

1. When clear roadside recovery areas are provided, signs shall be placed as far from the edge of traveled way as possible, up to a maximum of 30'. When possible, they shall be placed in protected locations.
2. 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.
3. Does not apply at locations where minimum horizontal distance is not reasonable due to terrain characteristics, steep slopes, roadway features, or signs controlled by a structure or signal or lighting standards.

EPS = Edge of Paved Shoulder

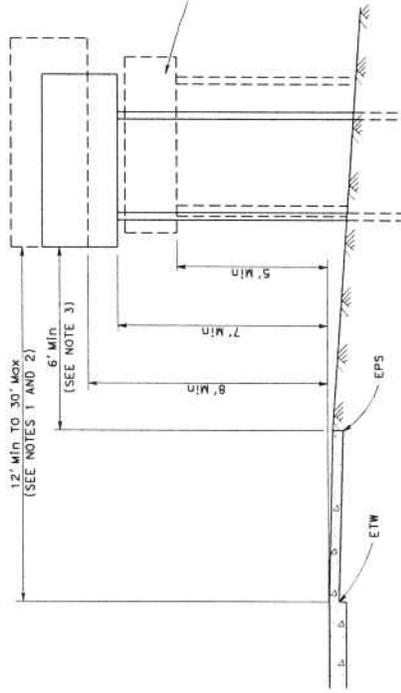


**RURAL LOCATIONS**

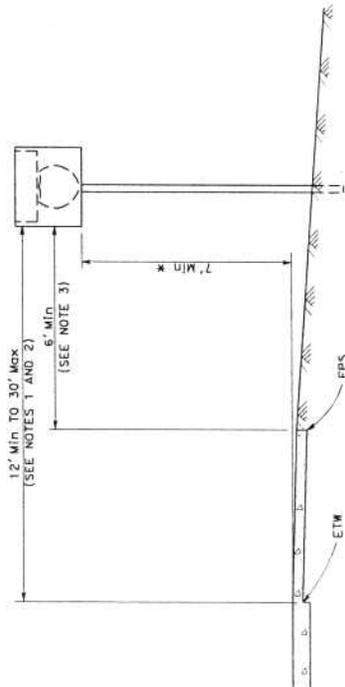


**URBAN LOCATIONS**

**CONVENTIONAL HIGHWAYS AND INTERCHANGE AREAS**



**GUIDE SIGNS**



**REGULATORY AND WARNING SIGNS AND ROUTE SHIELDS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ROADSIDE SIGNS  
TYPICAL INSTALLATION  
DETAILS No. 1**

NO SCALE

RS1

PROJECT COUNTY ROUTE TOTAL PROJECT SHEETS

REGISTERED CIVIL ENGINEER

May 20, 2011

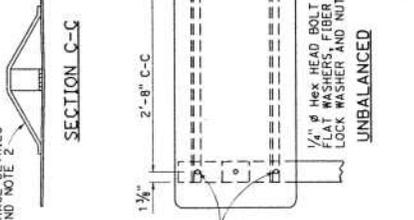
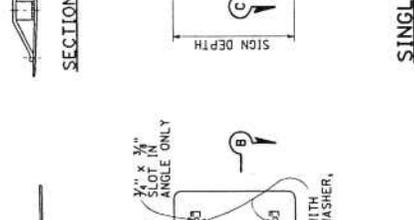
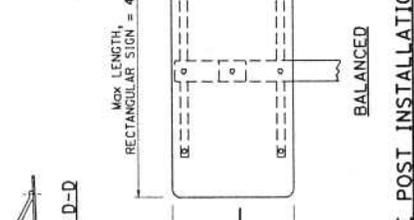
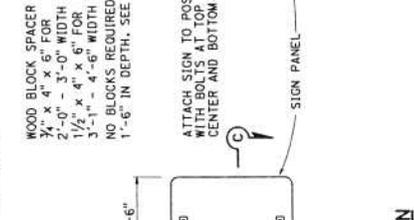
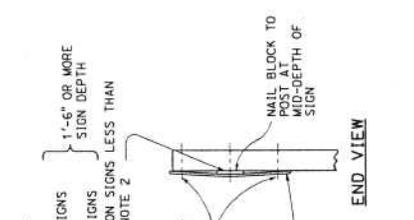
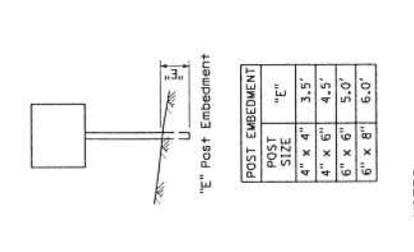
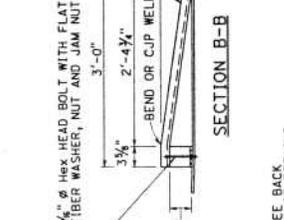
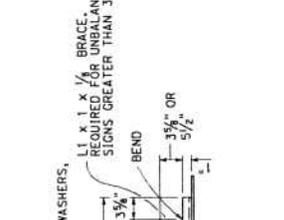
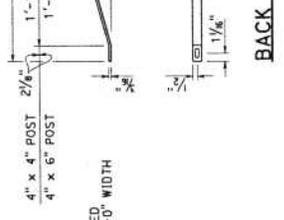
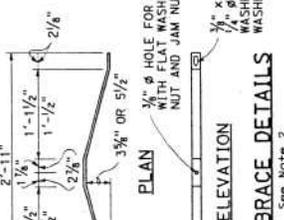
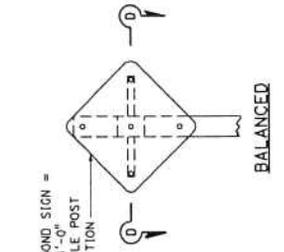
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

AN AFFIDAVIT HAS NOT BEEN PREPARED OR OBTAINED

COPIES OF THIS PLAN SHEET

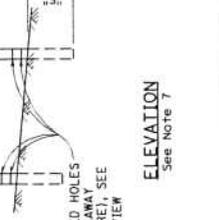
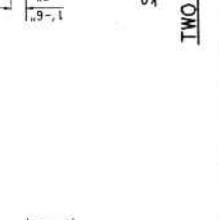
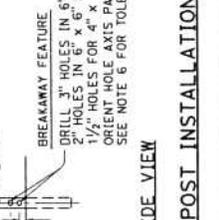
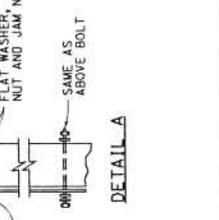
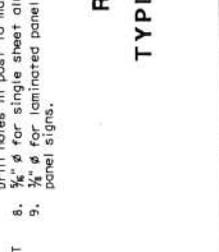
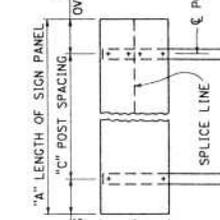
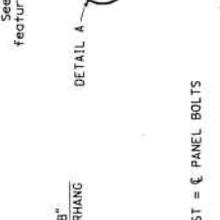
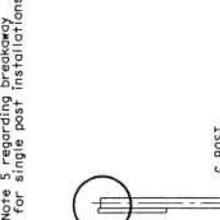
SIGN PANEL LENGTH	SIGN PANEL OVERHANG	POST SPACING
4'-6"	6"	3'-6"
4'-8" TO 5'-6"	7" TO 1'-0"	3'-6"
6'-0" & 6'-6"	1'-0" & 1'-3"	4'-0"
7'-0" & 7'-6"	1'-3" & 1'-6"	4'-6"
8'-0"	1'-6"	5'-0"
8'-6"	1'-8"	5'-2"
9'-0"	1'-10"	5'-4"
9'-6"	2'-0"	5'-8"
10'-0"	2'-0"	6'-0"
10'-6"	2'-0"	6'-6"
11'-0", 11'-6", 12'-0", 12'-3", 2'-6"	2'-6"	7'-0"
12'-6"	2'-6"	7'-6"
13'-0"	2'-6"	8'-0"
13'-6", 14'-6"	2'-6", 3'-0"	8'-6"
14'-0", 15'-0"	2'-6", 3'-0"	9'-0"
15'-6", 16'-0"	3'-0", 3'-3"	9'-6"
16'-6"	3'-3"	10'-0"
17'-0", 17'-6"	3'-3", 3'-6"	10'-6"
18'-0", 18'-6"	3'-6", 3'-9"	11'-0"
19'-0"	3'-9"	11'-6"
19'-6", 20'-0"	3'-9", 4'-0"	12'-0"
20'-6", 21'-0"	4'-0", 4'-3"	12'-6"
21'-6"	4'-3"	13'-0"
22'-0", 22'-6"	4'-3", 4'-6"	13'-6"
23'-0"	4'-6"	14'-0"
23'-6", 24'-0"	4'-6", 4'-9"	14'-6"



- NOTES:
1. Place long dimension of post cross section normal to sign axis.
  2. See Section C-C.
  3. Balanced single post installations of unframed single sheet aluminum panel signs shall have back spacer, back braces, 1" x 1/2" 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.
  4. For post size see sign layout, format or quantity sheets.
  5. Balanced single post installations of Laminated Panel and Framed single sheet signs require back braces when 2'-10" or more in length. Breakaway feature for single post installation shall be the same as the Breakaway feature shown for the two post installation.
  6. Tolerance for diameter of drilled holes in breakaway feature is ±1/8".
  7. Bolt hole layout is dependent on type of panel.
  8. 3/8" x 6" for single sheet aluminum panel signs.
  9. 1/2" x 8" for laminated panel signs or framed single sheet aluminum panel signs.

POST EMBEDMENT

POST SIZE	"E"
4" x 4"	3.5'
4" x 6"	4.5'
6" x 6"	5.0'
6" x 8"	6.0'



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ROADSIDE SIGNS  
WOOD POST  
TYPICAL INSTALLATION  
DETAILS No. 2**

NO SCALE

RS2

**SINGLE POST INSTALLATION**

See Note 5 regarding breakaway feature for single post installations.

**TWO POST INSTALLATION**

COUNTY: \_\_\_\_\_ ROUTE: \_\_\_\_\_ PROJECT: \_\_\_\_\_ SHEETS: \_\_\_\_\_ TOTAL SHEETS: \_\_\_\_\_  
 REGISTERED CIVIL ENGINEER  
 May 20, 2011  
 PLANS APPROVAL DATE  
 STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 THE ACCOUNTS OF CONTRACTS OF 25% SCALED  
 SHEETS OF THIS PLAN SHEET

**NOTES:**

- See Project Plans for:  
 Length of sign  
 Length of sign panel "A"  
 Depth of sign "D"  
 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 7/8" diameter pilot holes.
- "x" indicates location of additional 1/2" lag screws required when the depth of sign panel (a) 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"
- Type B laminated sign panels are 1" nominal thick for sign lengths of 15'-0" and less. Panel over 15'-0" in length are 2 1/2" nominal thick.
- Embedment "E" for Type L post shall conform to the 6'-0" minimum.
- Diameter of post holes for Type L posts shall be at least 2'-6". Diameter of post holes for Type M posts shall be at least 2'-0".
- Dimensions shown on project plans are for fabrication. At time of installation adjust these dimensions to provide A level sign approximately 7'-0" above roadway shoulder.
- Minimum post embedment "E" for Type I post.

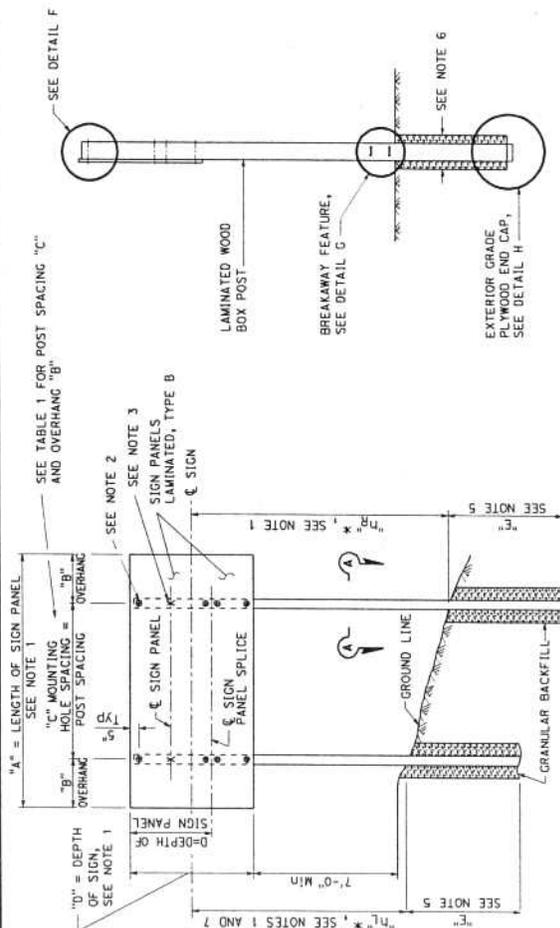
SIGN PANEL LENGTH (SEE NOTE 1)	SIGN PANEL OVERHANG	MOUNTING HOLE SPACING
8'-0"	18"	16"
9'-0"	1'-6"	5'-0"
10'-0"	1'-10"	5'-4"
11'-0"	2'-0"	6'-0"
12'-0"	2'-0"	7'-0"
13'-0"	2'-6"	8'-0"
14'-0"	2'-6"	9'-0"
15'-0"	3'-0"	9'-0"
16'-0"	3'-3"	9'-6"
17'-0"	3'-3"	10'-6"
18'-0"	3'-6"	11'-0"
19'-0"	3'-9"	11'-6"
20'-0"	4'-0"	12'-0"
21'-0"	4'-3"	12'-6"
22'-0"	4'-3"	13'-6"
23'-0"	4'-6"	14'-0"
24'-0"	4'-9"	14'-6"

**TABLE 1**

"h <sub>1</sub> " OR "h <sub>2</sub> " (IN FEET)	TOTAL SIGN AREA SQFT
40	90+190+240+
90	140 190 240 290
6'	6.5'
7'	8.5'
8'	9'
9'	10'
10'	11'
11'	12'
12'	13'
13'	14'
14'	15'
15'	16'
16'	17'
17'	18'
18'	19'
19'	20'
20'	21'
21'	22'
22'	23'
23'	24'
24'	25'
25'	26'

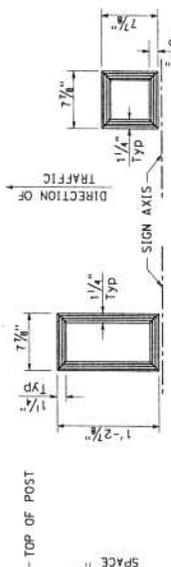
**TABLE 2**

See Note B



**ELEVATION**

**SIDE VIEW**



**TYPE L POST**

**TYPE M POST**

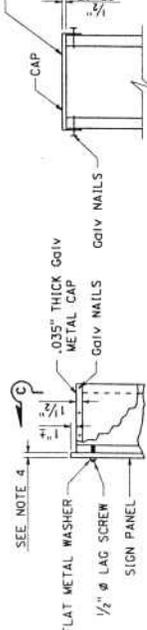
**SECTION A-A**

**SECTION B-B**

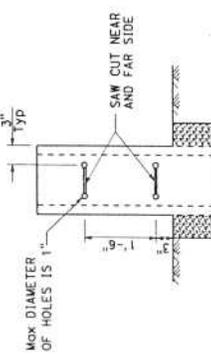
**SECTION C-C**

**SECTION D-D**

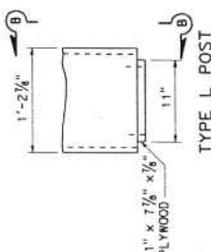
**SECTION E-E**



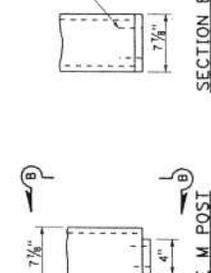
**DETAIL F**



**DETAIL G**



**DETAIL H**



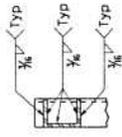
**DETAIL I**

**GALV METAL CAP**



STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ROADSIDE SIGNS  
 LAMINATED WOOD BOX POST  
 TYPICAL INSTALLATION  
 DETAILS No. 3**  
 NO SCALE

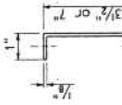
DISTRICT COUNTY ROUTE TOTAL DISTRICTS SHEET NO. 1  
 REGISTERED CIVIL ENGINEER  
 May 20, 2011  
 THE STATE OF CALIFORNIA  
 FOR AGENCY USE ONLY  
 THIS PLAN SHEET  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 21313  
 DATE  
 MAY 20, 2011  
 THE STATE OF CALIFORNIA  
 FOR AGENCY USE ONLY  
 THIS PLAN SHEET  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 21313  
 DATE  
 MAY 20, 2011



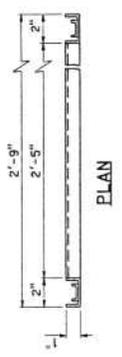
SECTION A-A



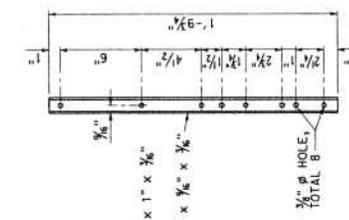
ELEVATION  
SPECIAL BRACKET



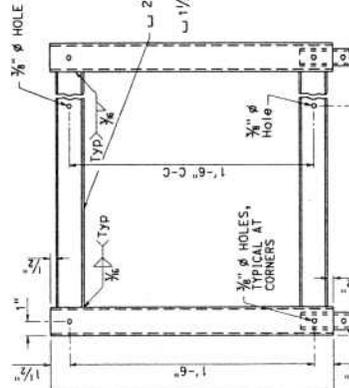
PLAN  
SPECIAL BRACKET



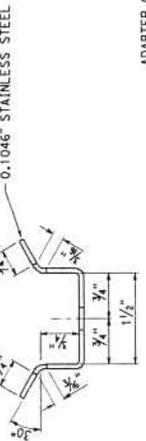
PLAN  
GALVANIZED STEEL FRAME



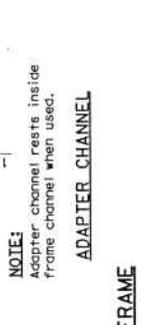
ELEVATION  
ADAPTER CHANNEL



ELEVATION  
ALUMINUM FRAME



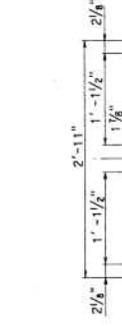
ELEVATION  
SADDLE BRACKET



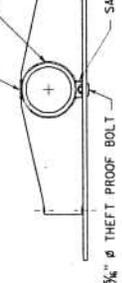
ELEVATION  
BACK BRACE



ELEVATION  
MULTIPLE SIGN INSTALLATION



PLAN  
BACK BRACE



ELEVATION  
SINGLE SIGN



ELEVATION  
MULTIPLE SIGN

INSTALLATION ON ELECTROLIER, SIGNAL STANDARD  
OR SIGN STRUCTURE POST

3/8" x 1 1/2" SLOT FOR  
 1/2" DIA. HEX HEAD BOLT WITH  
 FLAT WASHERS, FIBER  
 LOCK WASHERS, FIBER  
 WASHERS, LOCK WASHER  
 AND NUT

3/8" DIA. HEX HEAD BOLT WITH FLAT  
 WASHERS, LOCK WASHER AND NUT

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ROADSIDE SIGNS  
 TYPICAL INSTALLATION  
 DETAILS No. 4**  
 NO SCALE

RS4

DIST COUNTY ROUTE POST MILES TOTAL PROJECT SHEET TOTAL SHEETS  
 REGISTERED CIVIL ENGINEER  
 APR 11 19 2013  
 STATE OF CALIFORNIA  
 PROFESSIONAL ENGINEER  
 LICENSE NO. 52314  
 CIVIL  
 TO ACCOMPANY PLANS DATED \_\_\_\_\_

TABLE 1

**TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING**

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)		MAXIMUM CHANNELIZING DEVICE SPACING				
	TANGENT 2L	WIDENING L	SHIFTING SHOULDER L/2	SHOULDER L/3	TAPER X	TANGENT Y	CONFLICT Z **
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	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).

TABLE 2

**LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING**

SPEED * mph	Min D ** ft	DOWNGRADE Min D *** ft		
		-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 3

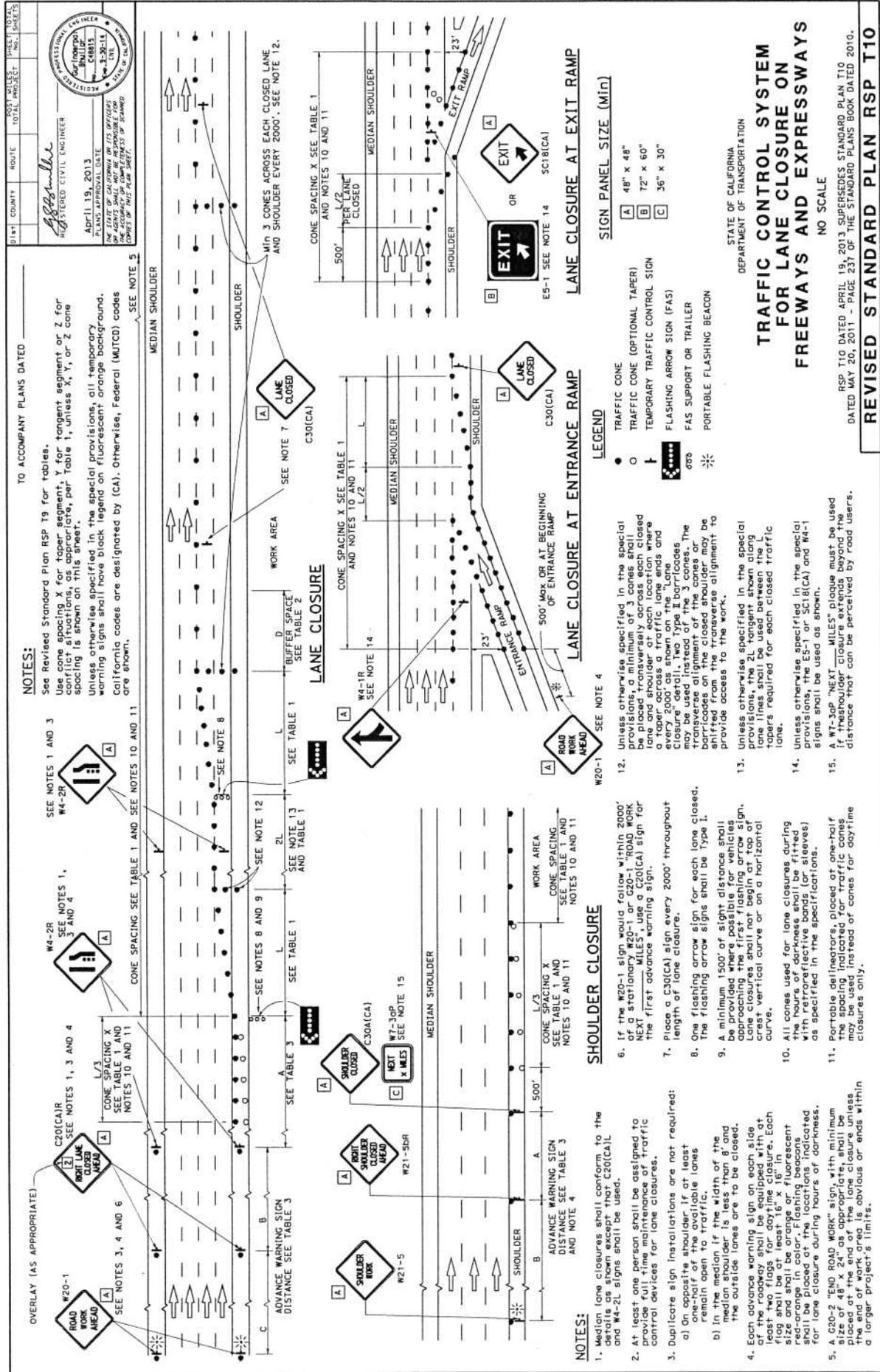
**ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS * ft		
	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 appropriate, are intended for guidance purposes only, and should be used with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SYSTEM  
 FOR LANE CLOSURE ON  
 FREEWAYS AND EXPRESSWAYS**  
 NO SCALE

RSP T9 DATED APRIL 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.  
**REVISED STANDARD PLAN RSP T9**



TO ACCOMPANY PLANS DATED \_\_\_\_\_

PROJECT TOTAL SHEETS \_\_\_\_\_

ROUTE \_\_\_\_\_

REGISTERED CIVIL ENGINEER

APRIL 19, 2013

PLANS APPROVAL DATE \_\_\_\_\_

ON THESE PLANS, THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE ROADWAY AND ITS APPROPRIATE SAFETY FEATURES. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRAFFIC CONTROL SYSTEM.

**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.

SEE NOTE 5

OVERLAY (AS APPROPRIATE)

W20-1 SEE NOTES 3, 4 AND 6

C20(CA)R SEE NOTES 1, 3 AND 4

W4-2R SEE NOTES 1, 3 AND 4

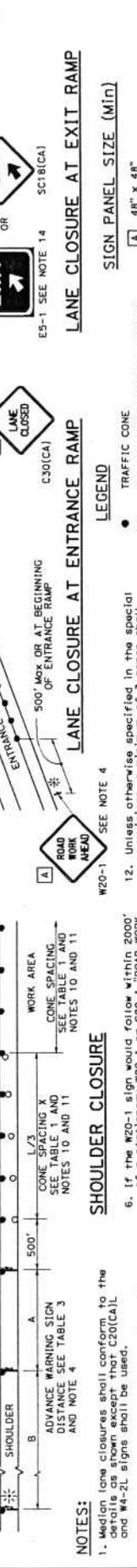
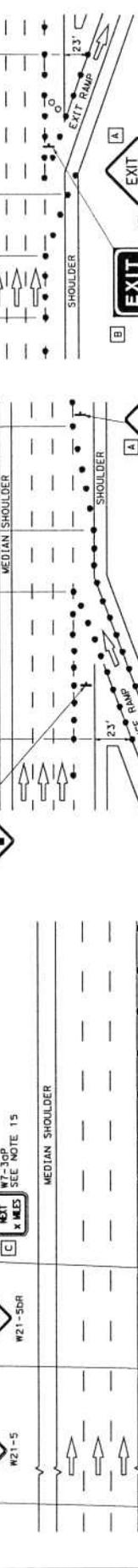
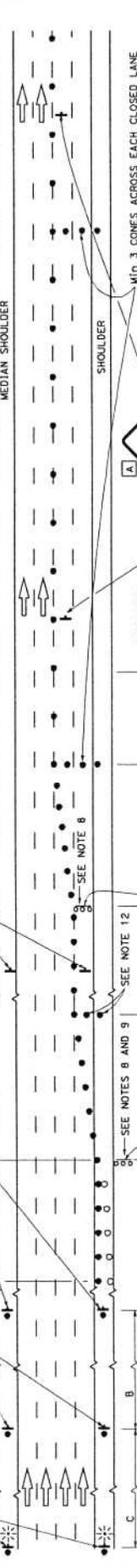
W4-2R SEE NOTES 1 AND 3

LANE CLOSURE

SHOULDER CLOSURE

LANE CLOSURE AT ENTRANCE RAMP

LANE CLOSURE AT EXIT RAMP



- NOTES:**
- Median lane closures shall conform to the details as shown except that C20(CA) and W4-2L signs shall be used.
  - At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
  - Duplicate sign installations are not required:
    - On opposite shoulders if at least one set of portable lanes remain open to traffic.
    - In the median if the width of the outside lanes are to be closed.
  - Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each sign 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, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless otherwise indicated. The sign shall be placed at a larger project's 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 C20(CA) sign for the first advance warning sign.
  - Place a C30(CA) sign every 2000' throughout length of lane closure.
  - One flashing arrow sign for each lane closed.
  - The flashing arrow signs shall be Type 1.
  - A minimum 1500' of sight distance shall be provided for the flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
  - 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.
  - Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane. The cones shall be spaced every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The barricades on the transverse alignment to provide access to the work.
  - Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L lane lines required for each closed traffic lane.
  - Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
  - A W7-30P "NEXT MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T10**

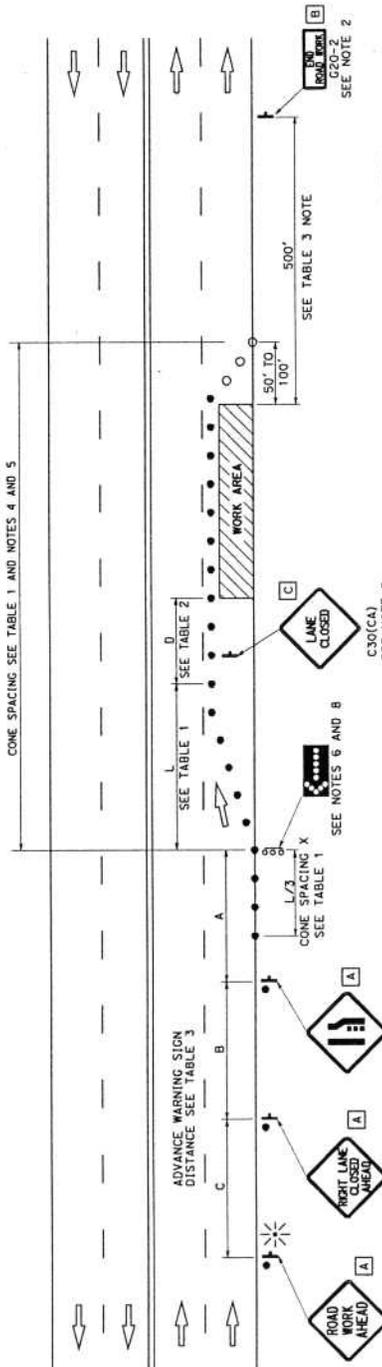


1/4" COUNTY ROUTE TOTAL SHEETS TOTAL SHEETS

REGISTERED CIVIL ENGINEER  
 APRIL 19, 2013  
 PLANS APPROVAL DATE  
 THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THIS PLAN SHEET.

PROFESSIONAL ENGINEER  
 CAROLIS  
 No. 1-20-11  
 STATE OF CALIFORNIA

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 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.

**TYPICAL LANE CLOSURE**

SEE NOTE 1  
 SEE NOTE 2  
 SEE NOTE 3  
 SEE NOTE 4  
 SEE NOTE 5  
 SEE NOTE 6  
 SEE NOTE 7  
 SEE NOTE 8  
 SEE NOTE 9  
 SEE NOTE 10

**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:**
- Each advance warning 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. 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 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 G20-1 "ROAD WORK NEXT MILES", use a C20(CA) 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.
  - Flashing arrow sign shall be either Type I or Type II.
  - 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.
  - 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.
  - Place a C30(CA) sign every 2000' throughout length of lane closure.
  - Median lane closures shall conform to the details as shown except that C20(CA) and M4-2L signs shall be used.
  - 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.

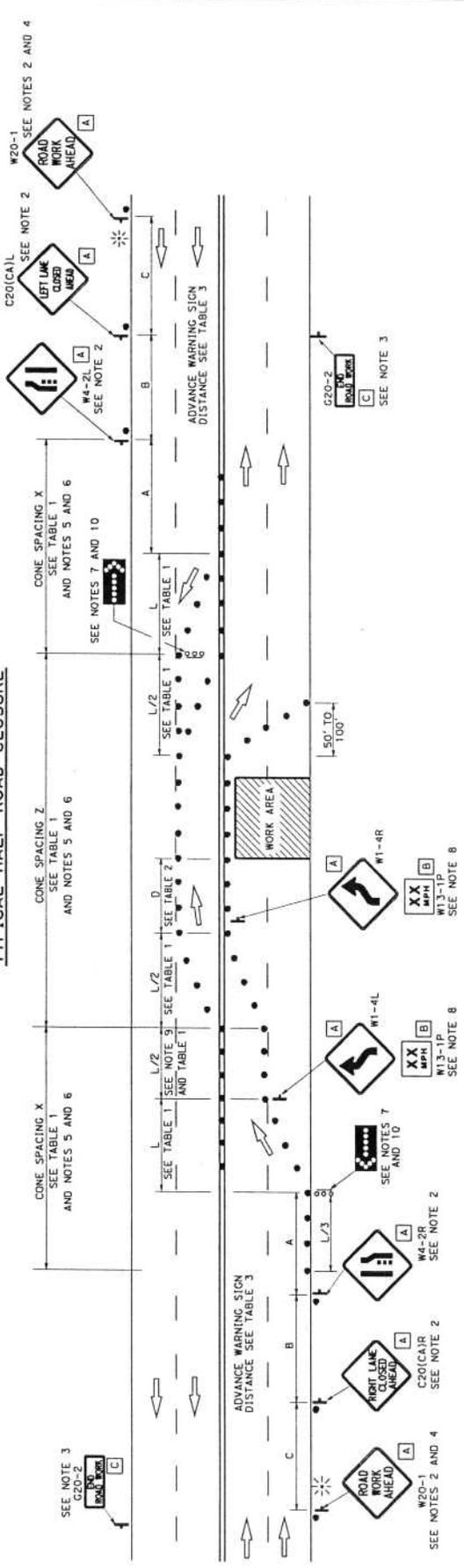
DIST. COUNTY ROUTE PROJECT NO. SHEETS  
 TOTAL PROJECT NO. SHEETS  
 REGISTERED CIVIL ENGINEER  
 April 19, 2013  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 THESE PLANS SHALL BE THE RESPONSIBILITY OF THE ENGINEER  
 COPIES OF THIS PLAN SHEET TO BE FORWARDED

**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.

**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 at least two 16" diameter cones. The sign 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 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 G20-1 "ROAD WORK NEXT MILES", use a C20(CA) 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.
  - 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 for the 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.

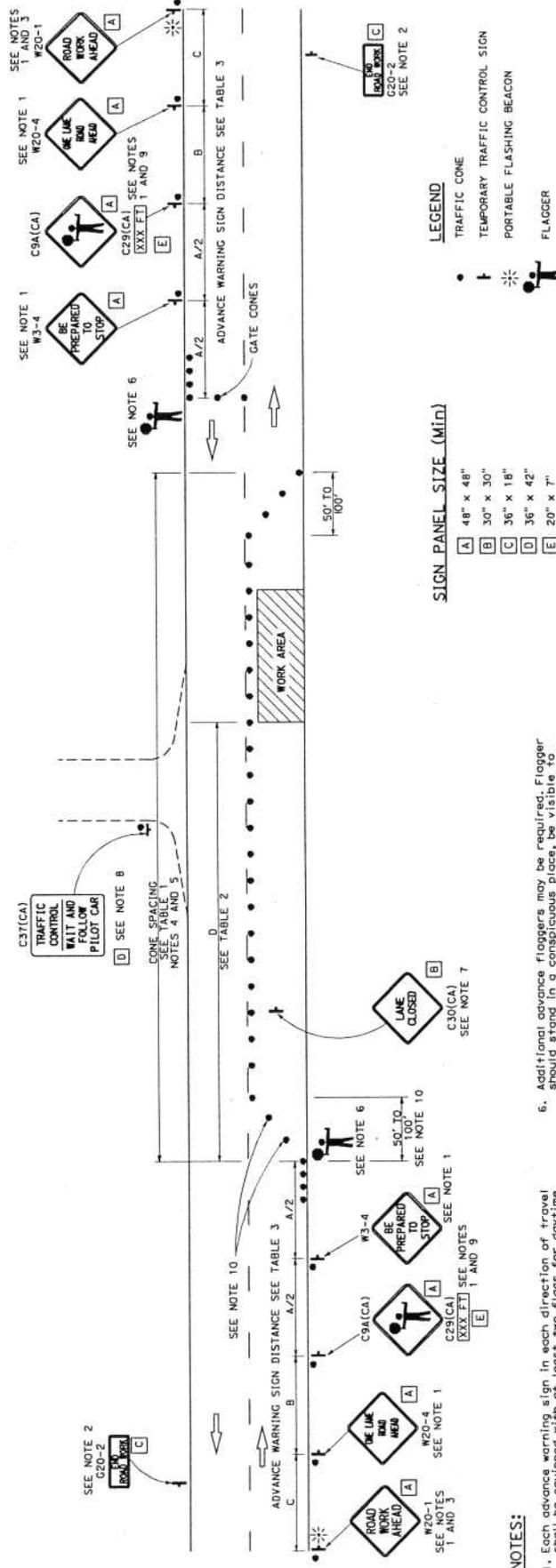
**REVISED STANDARD PLAN RSP T12**

DATE COUNTY ROUTE DIST MILES TOTAL SHEET TOTAL SHEETS PROJECT SHEET

REGISTERED CIVIL ENGINEER  
 APR 11 19, 2013  
 STATE OF CALIFORNIA  
 MY EXPIRES ON 03/31/14  
 I AM NOT BE RESPONSIBLE FOR THE ACCURACY OF THIS PLAN SHEET.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED



NOTES:

- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure and one flag for nighttime closure. 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 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 200' of a stationery W20-2 or G20-2 "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 have 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.

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

SIGN PANEL SIZE (Min)

A	48" x 48"
B	30" x 30"
C	36" x 18"
D	36" x 42"
E	20" x 7"

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM  
 FOR LANE CLOSURE ON  
 TWO LANE CONVENTIONAL  
 HIGHWAYS**

NO SCALE

RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13  
 DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T13**



