

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE
2-3	TYPICAL CROSS SECTIONS
4	LAYOUTS
5-6	CONSTRUCTION DETAILS
7	CONSTRUCTION AREA SIGNS
8	PAVEMENT DELINEATION DETAILS
9-10	PAVEMENT DELINEATION QUANTITIES
11-13	SUMMARY OF QUANTITIES
14-15	MODIFY TRAFFIC MONITORING STATION
15a-15b	TRAFFIC CONTROL SYSTEM
16-19	REVISED STANDARD PLANS



THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

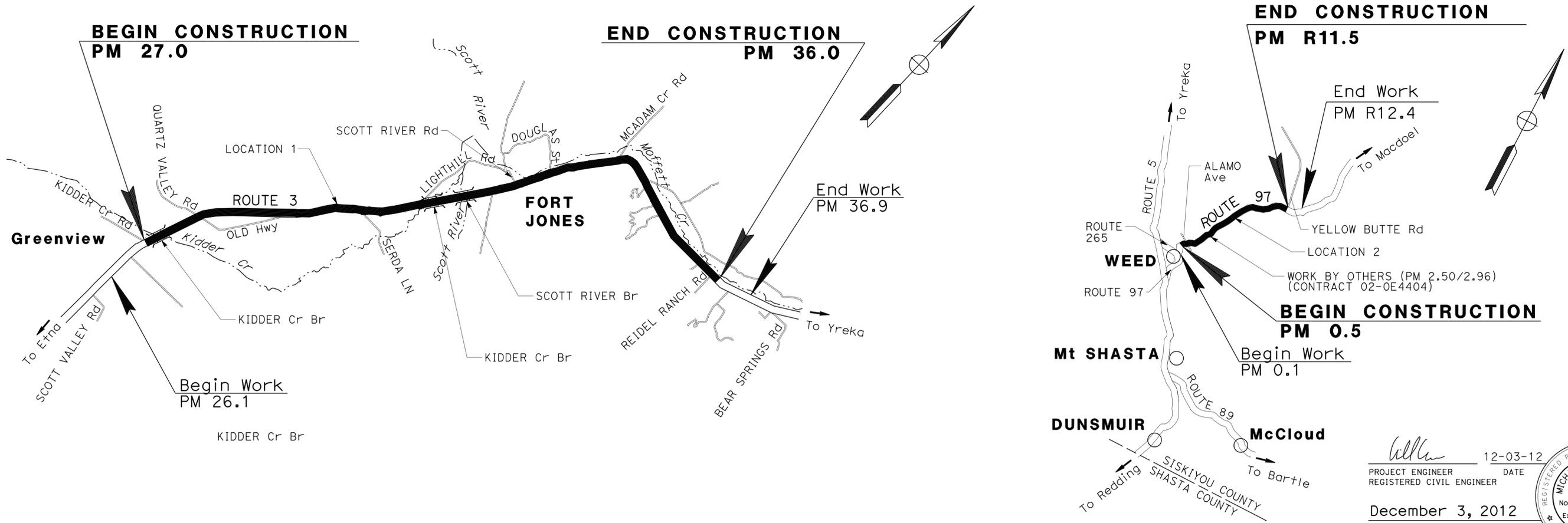
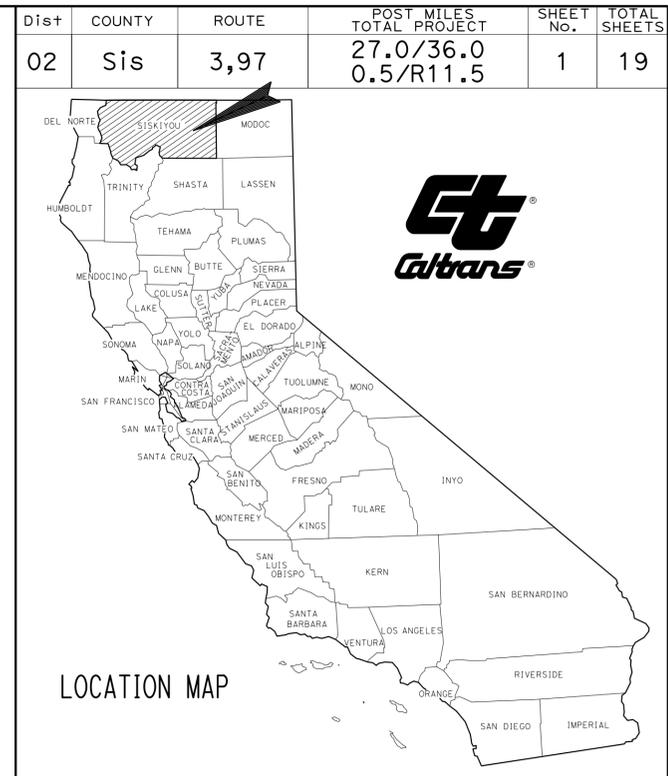
ACSTP-X093(007)E



PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY

IN SISKIYOU COUNTY ON ROUTE 3 FROM 0.1 MILE SOUTH OF KIDDER CREEK BRIDGE TO 0.2 MILE NORTH OF REIDEL RANCH ROAD AND ON ROUTE 97 FROM 0.1 MILE SOUTH OF ALAMO AVENUE TO YELLOW BUTTE ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



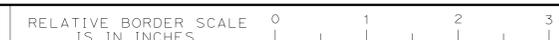
1 REVISED PER ADDENDUM No. 1 DATED JANUARY 30, 2013

PROJECT ENGINEER: *Willie* 12-03-12 DATE  
REGISTERED CIVIL ENGINEER  
December 3, 2012  
PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No.	02-4F1504
PROJECT ID	0212000123

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE



USERNAME => s115152  
DGN FILE => 24f150ab001.dgn

UNIT 0156 PROJECT NUMBER & PHASE 02120001231

P:\proj\1\02\4f150\plans\contract\_plans\addenda\01-29-13\24f150ab001.dgn

PROJECT MANAGER DON ANDERSON  
DESIGN ENGINEER DON ANDERSON

LAST REVISION 12-03-12 TIME PLOTTED => 09:41  
DATE PLOTTED => 30-JAN-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	3,97	27.0/36.0, 0.5/R11.5	15a	19

REGISTERED CIVIL ENGINEER  
 12-7-12 DATE  
 12-03-12 PLANS APPROVAL DATE  
 Gurinderpal Bhullar  
 No. C48815  
 Exp. 9-30-14  
 CIVIL  
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

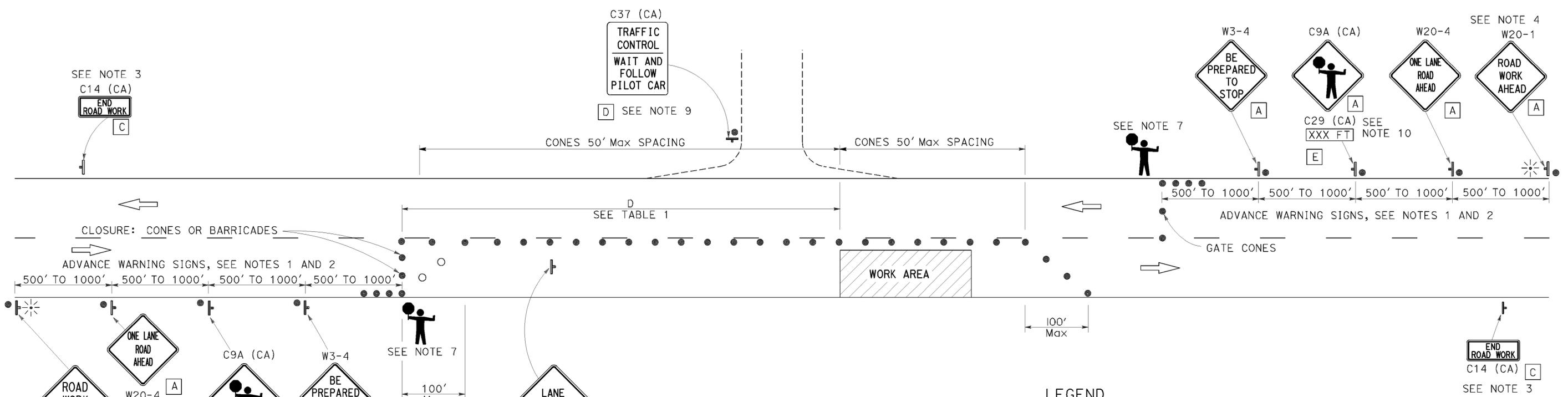
**NOTES:**

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

**1 ADDED PER ADDENDUM No. 1 DATED JANUARY 30, 2013**

**TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL**



**SIGN PANEL SIZE (MINIMUM)**

- A 48" x 48" - SPEED OF 45 mph OR MORE  
36" x 36" - SPEED LESS THAN 45 mph
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 36" x 9"

**LEGEND**

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ⊢ TEMPORARY SIGN
- ☁ PORTABLE FLASHING BEACON
- 🚧 FLAGGER

**TABLE 1**

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
25 AND BELOW	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

\* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

**NOTES:**

- Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT \_\_\_\_\_ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
- An optional C29 (CA) sign may be placed below the C9A (CA) sign.
- Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

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

NO SCALE

**TCS-1**

P:\proj\102\4f150\plans\contract\plans\addenda\01-29-13\24f150u1001.dgn  
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 DESIGN  
 GURINDERPAL BHULLAR  
 MICHAEL CONNER  
 DON ANDERSON  
 REVISIONS: REVISED BY DATE  
 CHECKED BY  
 CALCULATED/DESIGNED BY  
 FUNCTIONAL SUPERVISOR

DATE PLOTTED => 30-JAN-2013  
TIME PLOTTED => 09:41  
LAST REVISION

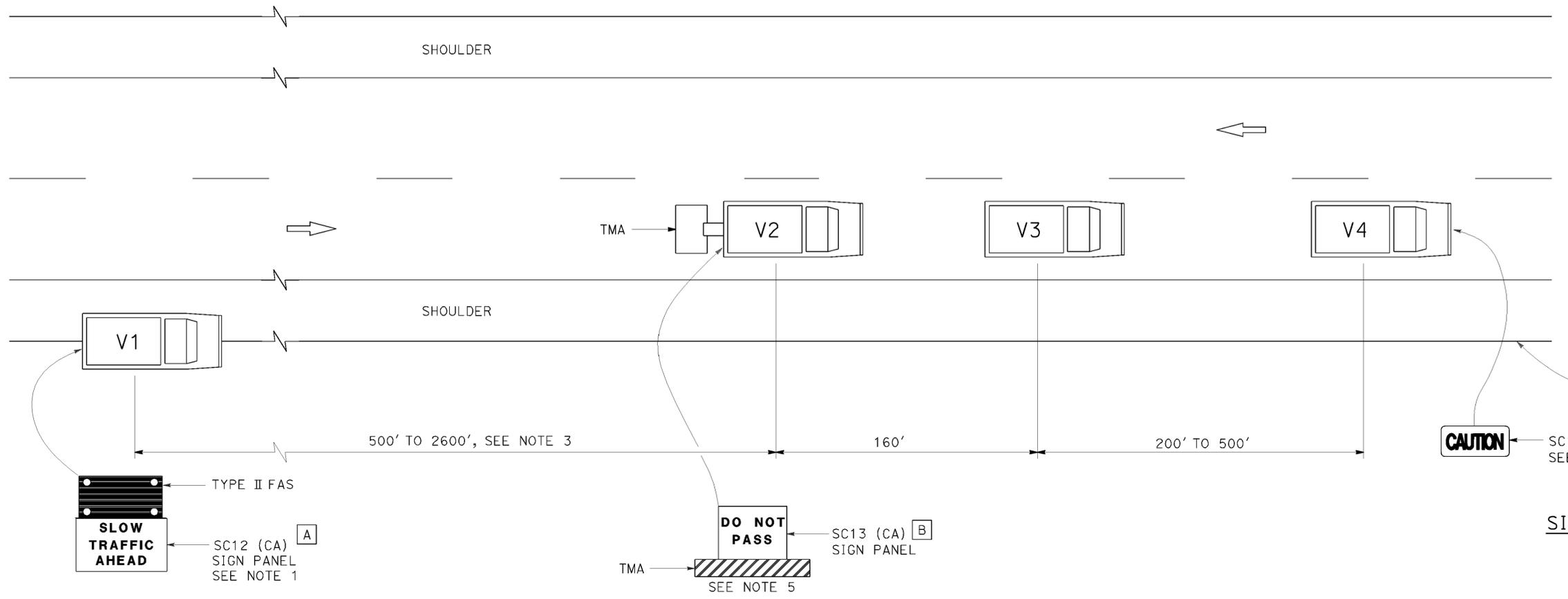
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	3,97	27.0/36.0, 0.5/R11.5	15b	19

12-7-12  
 REGISTERED CIVIL ENGINEER DATE  
 12-03-12  
 PLANS APPROVAL DATE

Gurinderpal Bhullar  
 No. C48815  
 Exp. 9-30-14  
 CIVIL  
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**1 ADDED PER ADDENDUM No. 1 DATED JANUARY 30, 2013**



**SIGN PANEL SIZE (Min)**

A	72" x 42"
B	54" x 42"
C	54" x 24"

**LEGEND**

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- V4 SIGN VEHICLE
- TMA TRUCK-MOUNTED ATTENUATOR
- FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE

**NOTES:**

1. Either a changeable message sign or a SC12 (CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign may be used with the SC12 (CA) sign panel.
2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
4. Vehicle-mounted sign panels shall be Type III, IV, VII, VIII or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
5. Gross Vehicle Weight of shadow vehicle shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.
7. All vehicles shall be equipped with flashing or rotating amber lights.
8. Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
10. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

**TCS-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 DESIGN  
 GURINDERPAL BHULLAR  
 MICHAEL CONNER  
 DON ANDERSON  
 FUNCTIONAL SUPERVISOR  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 REVISED BY  
 DATE REVISED  
 P:\proj\102\4F150\plans\contract\plans\addenda\01-29-13\24f150j002.dgn  
 USERNAME => s115152  
 DGN FILE =>  
 RELATIVE BORDER SCALE IS IN INCHES  
 UNIT 0156  
 PROJECT NUMBER & PHASE  
 02120001231

DATE PLOTTED => 30-JAN-2013  
 TIME PLOTTED => 09:41  
 LAST REVISION