

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri, Teh	3, 36	69.0/74.5 6.0/11.5	1	8



INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE SHEET AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION AREA SIGNS
4	PAVEMENT DELINEATION DETAILS AND QUANTITIES
5	SUMMARY OF QUANTITIES
6-7	TRAFFIC CONTROL PLANS
8	REVISED STANDARD PLANS

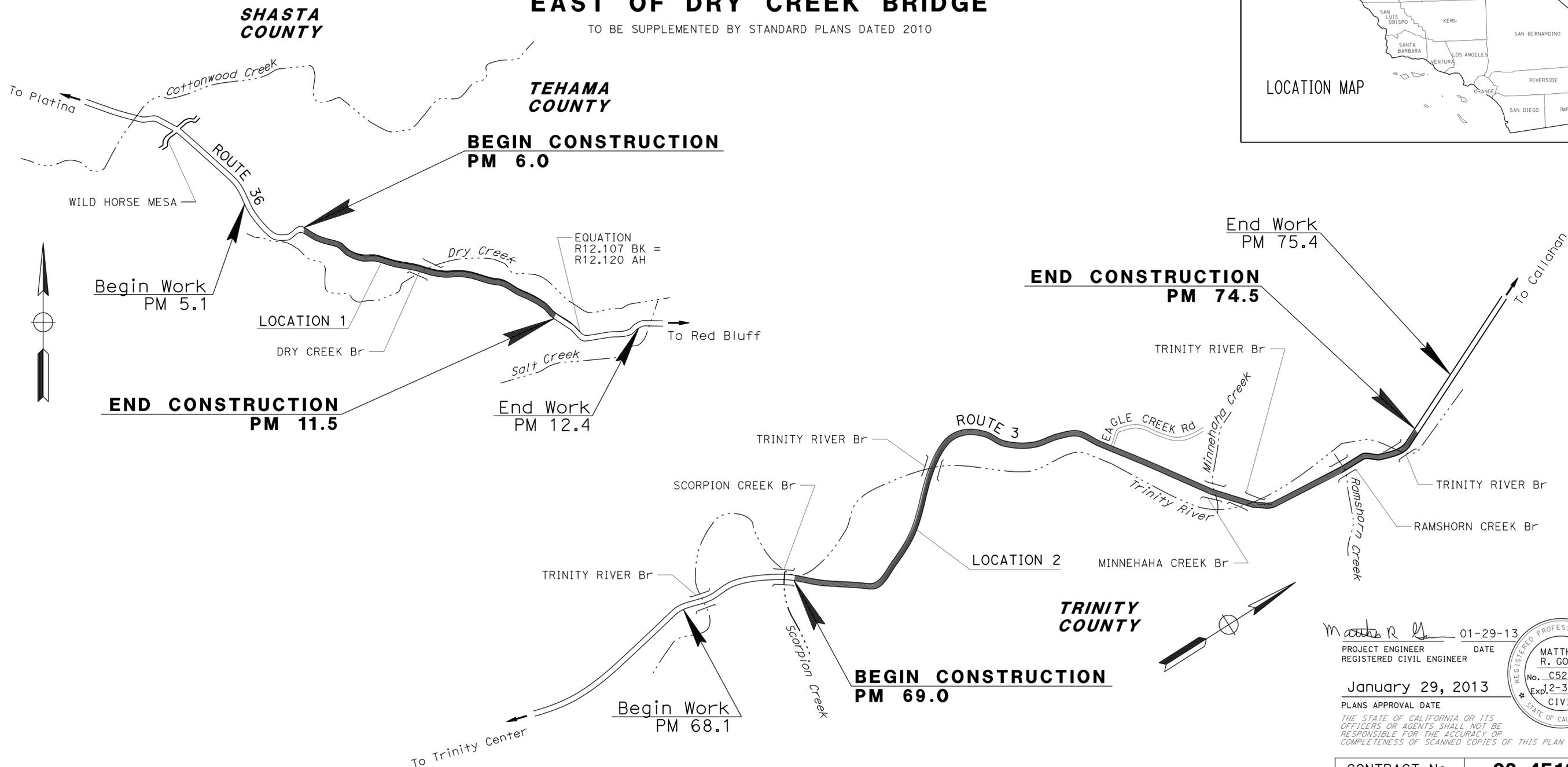
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN TRINITY AND TEHAMA COUNTIES ON ROUTE 3
FROM SCORPION CREEK BRIDGE TO 0.4 MILE
NORTH OF TRINITY RIVER BRIDGE AND ON
ROUTE 36 FROM 1.3 MILES EAST OF
WILD HORSE MESA TO 1.2 MILES
EAST OF DRY CREEK BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



PROJECT MANAGER	LANCE BROWN
DESIGN ENGINEER	LANCE BROWN

Matthew R. Gowan
PROJECT ENGINEER DATE 01-29-13
REGISTERED CIVIL ENGINEER



January 29, 2013
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.	02-4F1804
PROJECT ID	0212000121

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

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri, Teh	3,36	69.0/74.5 6.0/11.5	2	8

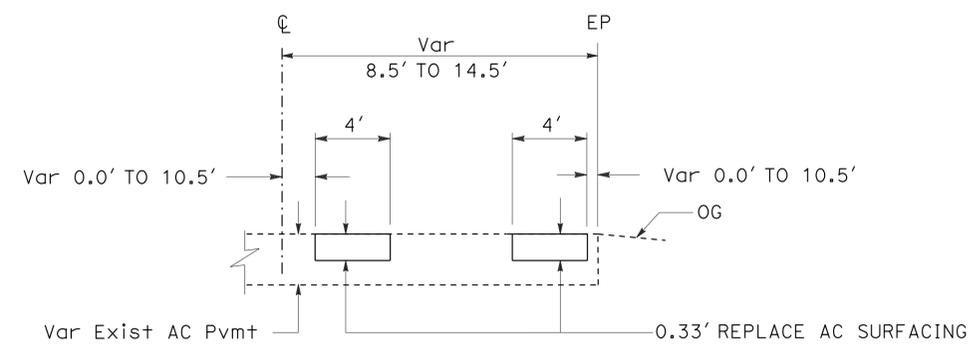
REGISTERED CIVIL ENGINEER DATE 01-29-13
 REGISTERED CIVIL ENGINEER DATE 01-29-13
 PLANS APPROVAL DATE 01-29-13

MATTHEW R. GOWAN
 No. C52309
 Exp. 12-31-14
 CIVIL

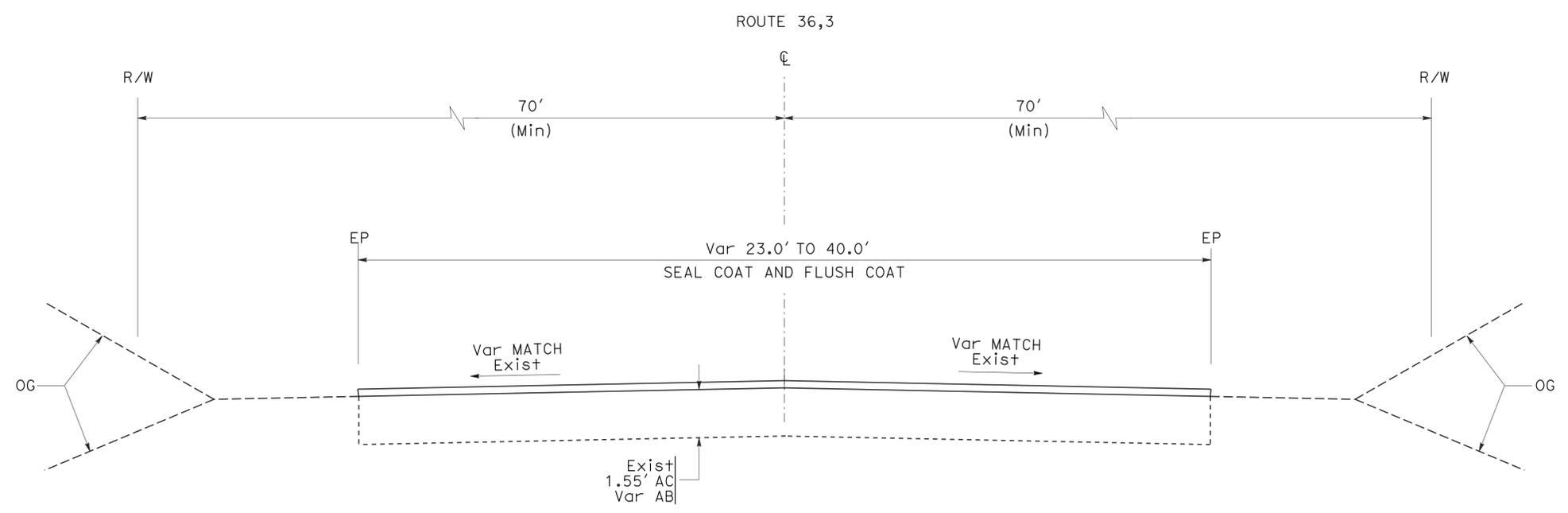
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
5. DO NOT PLACE CHIP SEAL ON BRIDGE DECKS.



REPLACE AC SURFACING
 LOCATION 1 AND 2
 (TYPICAL BOTH DIRECTIONS)

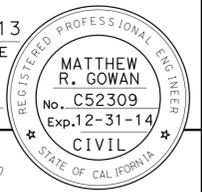


ASPHALT RUBBER SEAL COAT

TYPICAL CROSS SECTIONS
 NO SCALE
X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE
 MATTHEW R. GOWAN
 KARLIE SMITH
 LANCE BROWN
 FUNCTIONAL SUPERVISOR
 CALCULATED-DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri, Teh	3,36	69.0/74.5 6.0/11.5	3	8
<i>Matthew R. Gowan</i> REGISTERED CIVIL ENGINEER			DATE	01-29-13	
PLANS APPROVAL DATE			01-29-13		
<small>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.</small>					

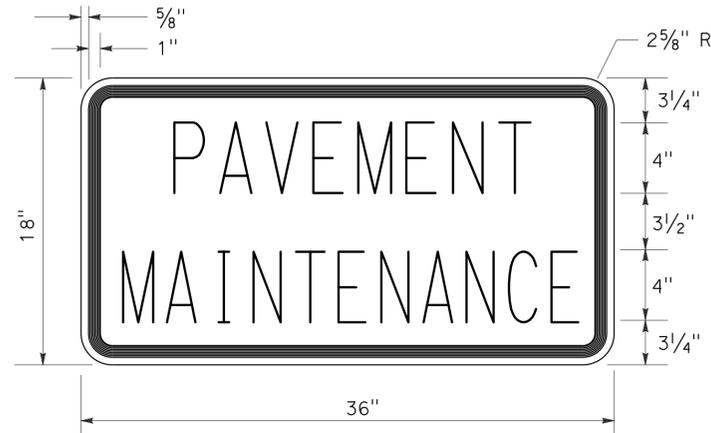


ABBREVIATIONS:

USFS UNITED STATES FOREST SERVICE

NOTES:

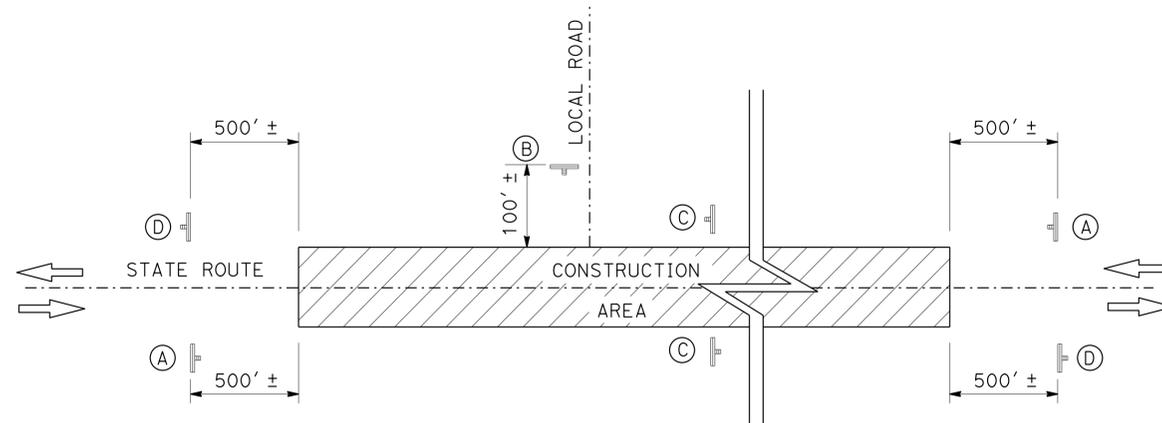
1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
3. INTERMEDIATE G20-1 SIGNS SHOULD BE PLACED EVERY 3 TO 5 MILES AS NECESSARY.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



C23B(CA) SIGN PANEL DETAIL

ROAD CONNECTIONS

Loc	Co-Rte	PM	DESCRIPTION
1	Teh-36	9.24	VESTAL Rd - Rt
2	Tri-3	69.54	USFS CAMPGROUND - Rt & Lt
		69.77	USFS ROAD # 38N74 - Rt & Lt
		70.32	EAGLE CREEK LOOP - Lt
		72.22	EAGLE CREEK LOOP - Lt
		73.38	RAMSHORN CREEK ROAD - Rt & Lt



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPICAL LOCATIONS 1 AND 2

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	NUMBER AND SIZE OF POST	No. OF SIGNS
(A)	G20-1 C23B(CA)	36" x 18" 36" x 18"	ROAD WORK NEXT XX MILES PAVEMENT MAINTENANCE	1-4" x 6"	4
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	9
(C)	G20-1	36" x 18"	ROAD WORK NEXT XX MILES	1-4" x 4"	4
(D)	G20-2	36" x 18"	END ROAD WORK	1-4" x 4"	4

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MATTHEW R. GOWAN
 KARLIE SMITH
 LANCE BROWN
 MAINTENANCE

P:\p\proj\1\02\4F180\plans\pse\24f180\001.dgn
 01-29-13 16:12

P:\proj\1102\4180\plans\pse\24f180pa001.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE
 FUNCTIONAL SUPERVISOR LANCE BROWN
 CALCULATED-DESIGNED BY CHECKED BY
 MATTHEW R. GOWAN KARLIE SMITH
 REVISED BY DATE REVISED
 MATTHEW R. GOWAN

NOTES:

1. (N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
2. EXACT LOCATIONS OF REPLACE ASPHALT CONCRETE SURFACING TO BE DETERMINED BY ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri,Teh	3,36	69.0/74.5 6.0/11.5	5	8

01-29-13
 REGISTERED CIVIL ENGINEER DATE
 MATTHEW R. GOWAN
 No. C52309
 Exp. 12-31-14
 CIVIL
 01-29-13
 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.

ROADWAY QUANTITIES SUMMARY

Loc	Co-Rte	PM LIMITS	(N) LENGTH	(N) WIDTH	SEAL COAT		FLUSH COAT	
					ASPHALT-RUBBER BINDER	SCREENINGS (HOT-APPLIED)	ASPHALTIC EMULSION (FLUSH COAT)	SAND COVER (SEAL)
					TON	TON	TON	TON
1	Teh-36	6.00 - 6.50	2640	25.0 - 24.0	208.4	1346.7	19.2	153.9
		6.50 - 7.00	2640	24.0				
		7.00 - 7.50	2640	24.0 - 23.0				
		7.50 - 8.00	2640	23.0 - 24.0				
		8.00 - 8.50	2640	24.0				
		8.50 - 9.00	2640	24.0				
		9.00 - 9.24	1267	24.0				
		9.24 - 9.27	158	24.0 - 28.0				
		9.27 - 9.29	106	28.0 - 24.0				
		9.29 - 9.50	1109	24.0				
		9.50 - 10.00	2640	24.0				
		10.00 - 10.01	53	24.0				
		10.01 - 10.11	528	29.0				
		10.11 - 10.12	53	29.0 - 24.0				
		10.12 - 10.34	1162	24.0				
		10.34 - 10.39	264					
		10.39 - 10.50	581	24.0				
		10.50 - 11.00	2640	24.0				
		11.00 - 11.50	2640	24.0				
		2	Tri-3	68.96 - 69.00				
69.00 - 69.45	2376			32.0 - 33.0				
69.45 - 69.50	264			33.0 - 40.0				
69.50 - 69.59	475			40.0				
69.59 - 69.61	106			40.0 - 31.0				
69.61 - 69.68	370							
69.68 - 69.76	422			31.0 - 33.0				
69.76 - 69.81	264			33.0 - 32.0				
69.81 - 70.00	1003			32.0				
70.00 - 70.50	2640			32.0 - 27.0				
70.50 - 70.69	1003			27.0 - 36.0				
70.69 - 70.70	53							
70.70 - 70.74	211			36.0 - 26.0				
70.74 - 70.92	950			26.0 - 31.0				
70.92 - 70.96	211							
70.96 - 71.00	211			31.0 - 28.0				
71.00 - 71.50	2640			28.0 - 27.0				
71.50 - 72.00	2640			27.0				
72.00 - 72.50	2640			27.0				
72.50 - 73.00	2640			27.0				
73.00 - 73.50	2640	27.0 - 31.0						
73.50 - 73.51	53							
73.51 - 73.54	158	31.0 - 27.0						
73.54 - 74.00	2429	27.0 - 26.0						
74.00 - 74.16	845	26.0 - 31.0						
74.16 - 74.22	317							
74.22 - 74.50	1478	31.0 - 25.0						
TOTAL					454.4	2936.0	41.9	335.5

REPLACE ASPHALT CONCRETE SURFACING

Loc	Co-Rte	PM LIMITS	(N) Approx No. OF DIGOUTS	(N) LENGTH (Avg)	(N) WIDTH	(N) DEPTH	CY
				LF	LF	LF	
1	Teh-36	6.0/7.0	20	50	4	0.33	50
		7.0/8.0	20	50	4	0.33	50
		8.0/9.0	20	50	4	0.33	50
		9.0/10.0	20	50	4	0.33	50
		10.0/11.5	20	50	4	0.33	50
2	Tri-3	69.0/70.0	40	50	4	0.33	100
		70.0/71.0	40	50	4	0.33	100
		71.0/72.0	40	50	4	0.33	100
		72.0/73.0	40	50	4	0.33	100
		73.0/74.5	40	50	4	0.33	100
TOTAL							750

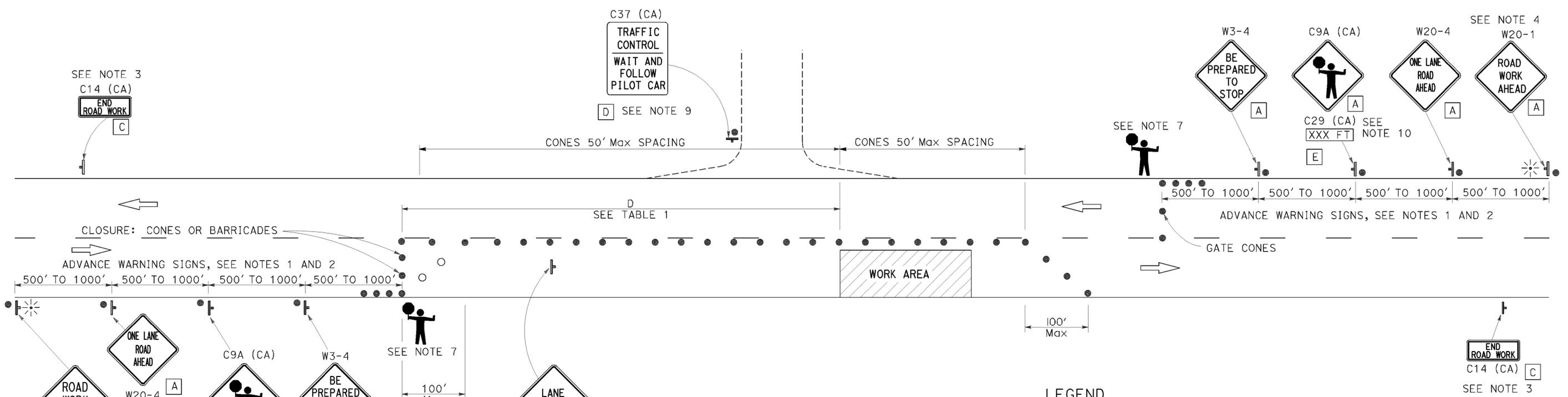
SUMMARY OF QUANTITIES
Q-1

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.

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.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 TWO LANE CONVENTIONAL
 HIGHWAYS**

NO SCALE **TCS-1**

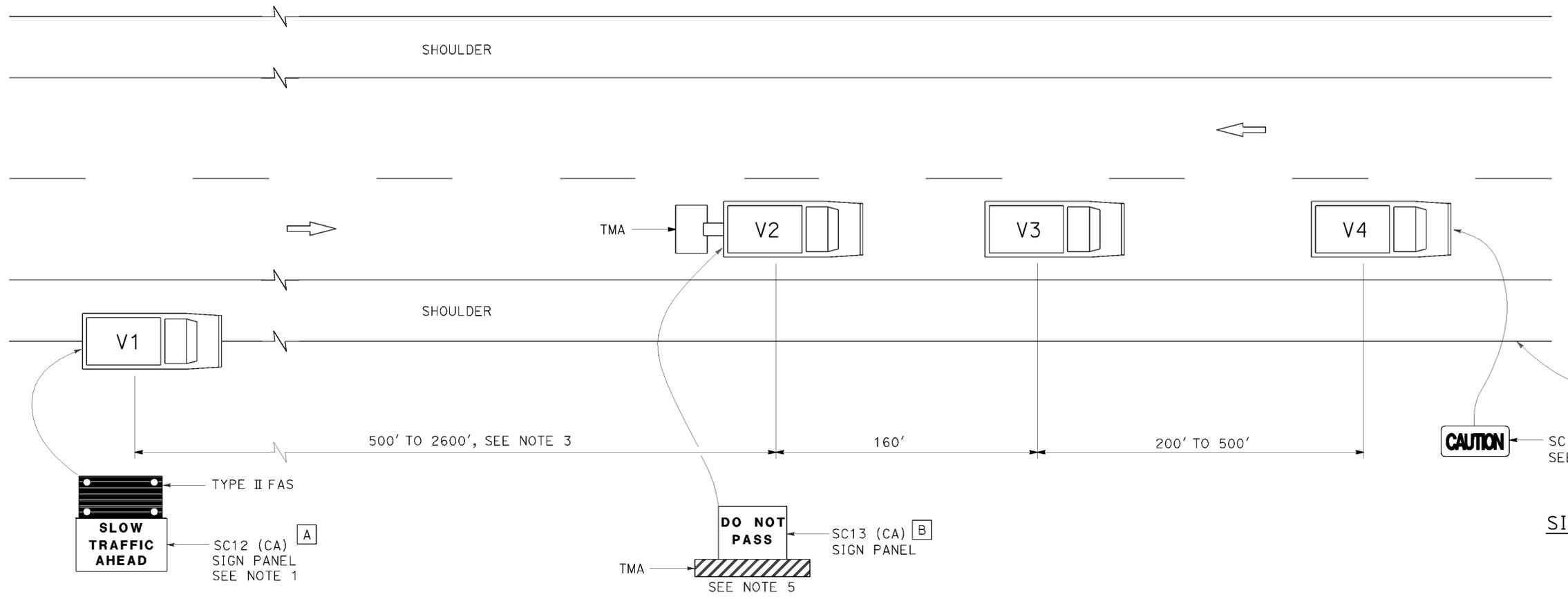
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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 CALCULATED-DESIGNED BY: GURINDERPAL BHULLAR
 CHECKED BY: MATT GOWAN
 FUNCTIONAL SUPERVISOR: LANCE BROWN
 REVISED BY: GURINDERPAL BHULLAR
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri, Teh	3,36	69.0/74.5, 6.0/11.5	7	8

Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER DATE 12-7-12
 01-29-13
 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.



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

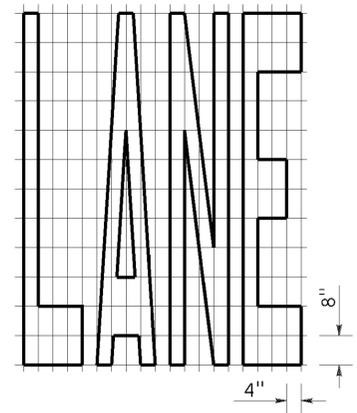
**TRAFFIC CONTROL SYSTEM
FOR MOVING LANE CLOSURE
ON TWO LANE HIGHWAYS**

NO SCALE

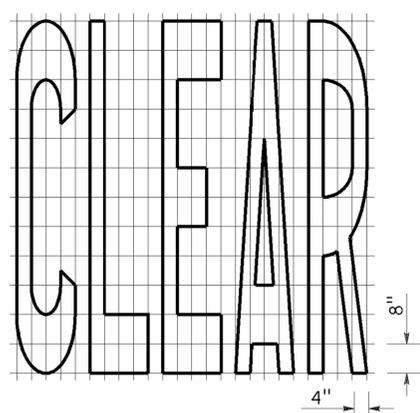
TCS-2

PROJECT: 0212001211
 SHEET: 7 OF 8
 DATE: 01-29-13
 DRAWN BY: MATT GOWAN
 CHECKED BY: LANCE BROWN
 DESIGNED BY: GURINDERPAL BHULLAR
 SUPERVISOR: LANCE BROWN
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans

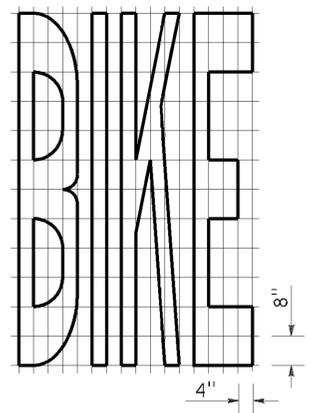
TO ACCOMPANY PLANS DATED 01-29-13



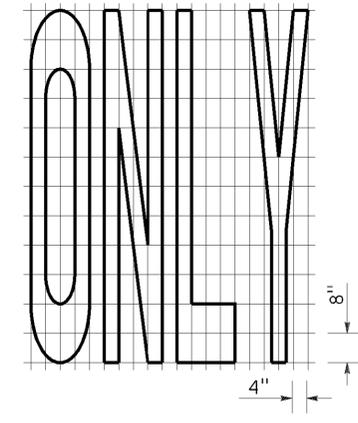
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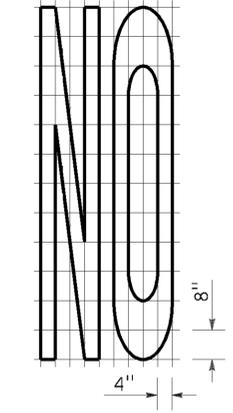
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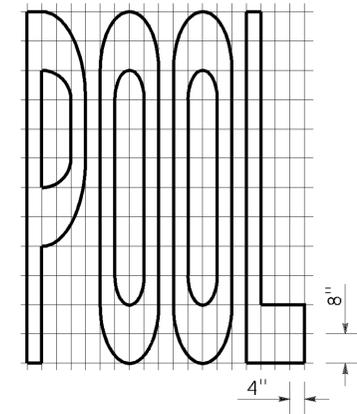
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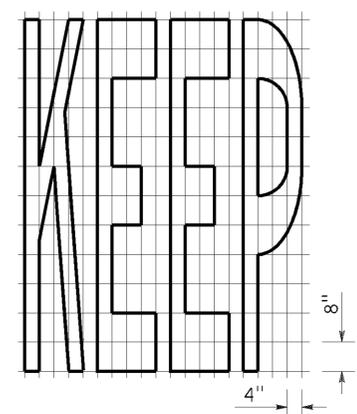
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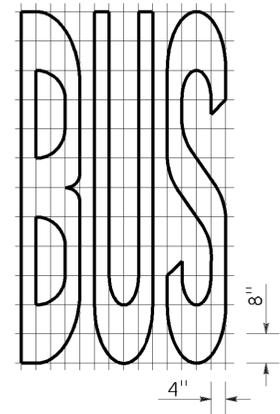
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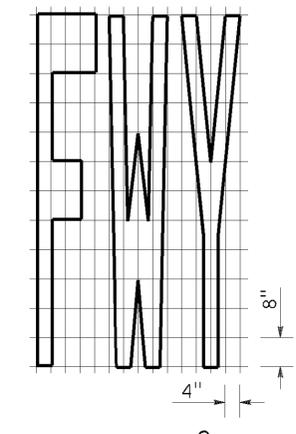
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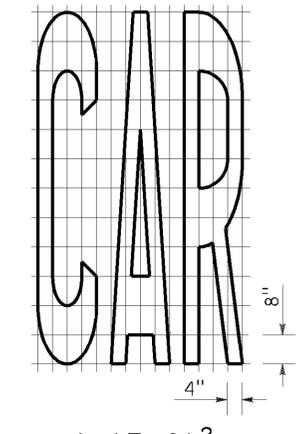
A=24 ft²



A=20 ft²

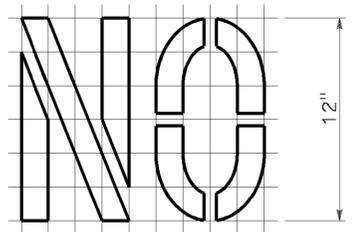


A=16 ft²



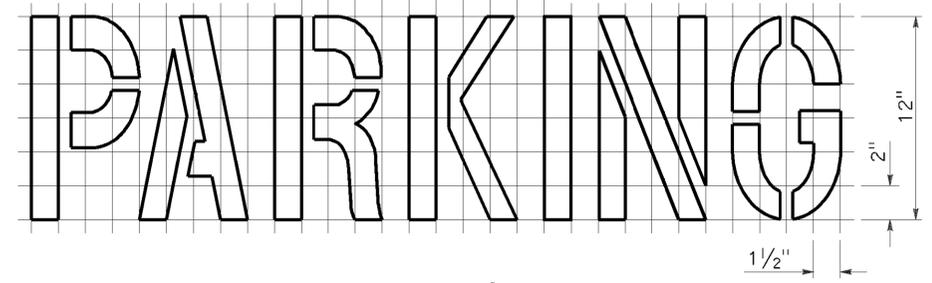
A=17 ft²

WORD MARKINGS			
ITEM	ft ²	ITEM	ft ²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



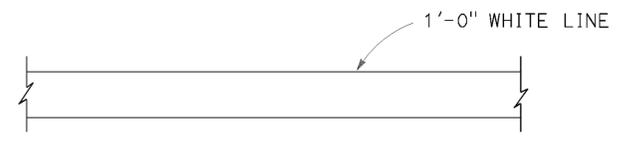
A=2 ft²

See Notes 6 and 7

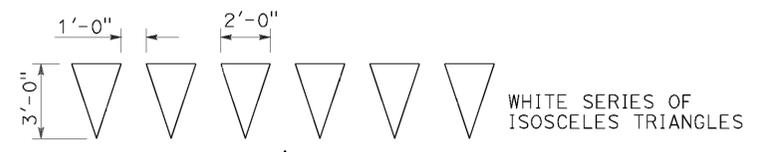


A=2 ft²

See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**

NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24E

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2010 REVISED STANDARD PLAN RSP A24E