Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las	36	22.3/24.4	1	8

INDEX OF PLANS

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

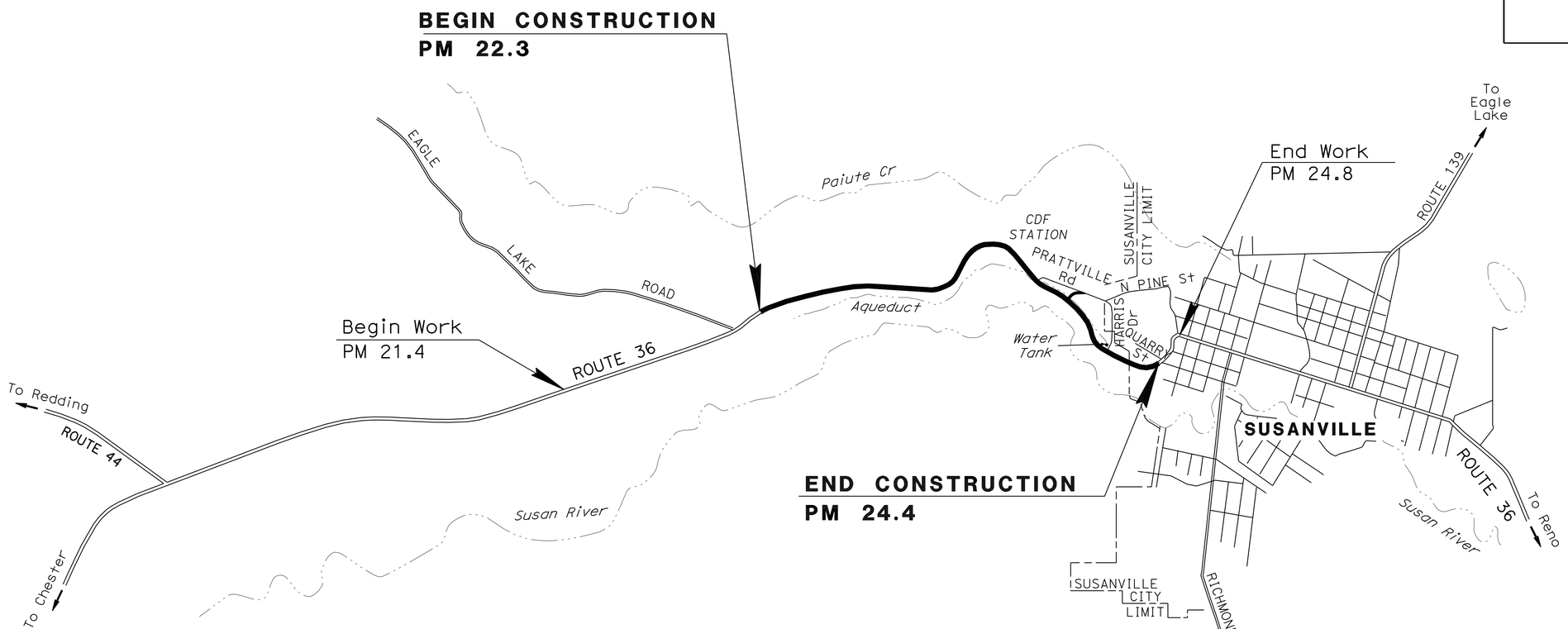
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN LASSEN COUNTY IN AND NEAR SUSANVILLE FROM 2.1 MILES WEST OF QUARRY STREET TO QUARRY STREET

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

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

08-05-10
PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

August 02, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KURT SCHNEIDER — No. C59219 — Exp. 06/30/11 — 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.

CONTRACT No.	02-3E0104
PROJECT ID	0200020028

LAST REVISION 08-05-10 — DATE PLOTTED => 05-AUG-2010 — TIME PLOTTED => 15:16

PROJECT MANAGER: LANCE BROWN
DESIGN ENGINEER: LANCE BROWN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las	036	22.3/24.4	2	8

REGISTERED CIVIL ENGINEER DATE 08-05-10

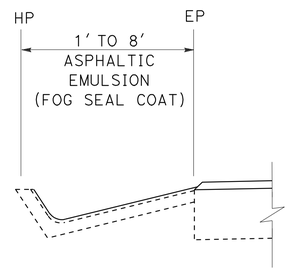
PLANS APPROVAL DATE 08-02-10

REGISTERED PROFESSIONAL ENGINEER KURT SCHNEIDER No. C59219 Exp. 06/30/11 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.

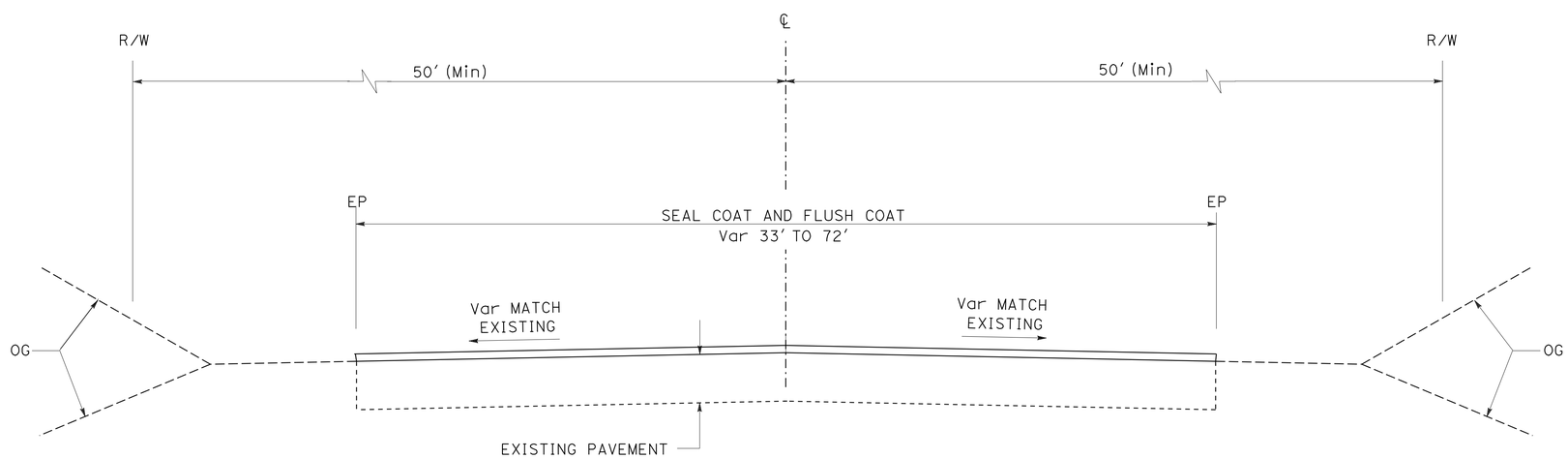
NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN OR AS DIRECTED BY THE ENGINER.
3. THICKNESS OF THE PAVEMENT SURFACE TREATMENTS SUBJECT TO TOLERANCES SPECIFIED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



PAVED SWALE, CURB OR DIKE AREA

PM 23.27 TO 23.33
PM 23.60 TO 24.40



TYPICAL CROSS SECTION

PM 22.30/24.40

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
KURT SCHNEIDER	KARLIE SMITH

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

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LAST REVISION 08-05-10 | DATE PLOTTED => 05-AUG-2010 | TIME PLOTTED => 15:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las	036	22.3/24.4	3	8

REGISTERED CIVIL ENGINEER 08-05-10 DATE

08-02-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KURT SCHNEIDER
No. C59219
Exp. 06/30/11
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.

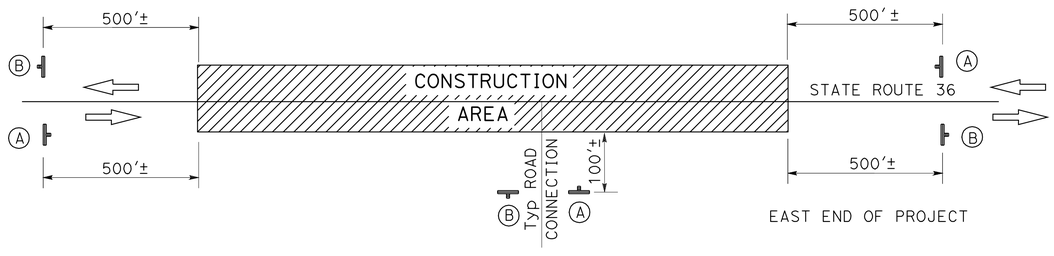
NOTES:

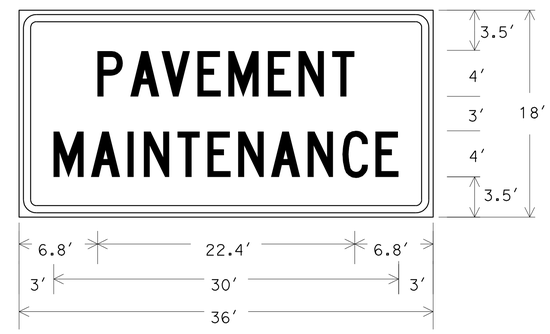
1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
4. ALL SIGNS SHALL BE BLACK ON ORANGE.

LEGEND

ONE POST STATIONARY MOUNTED SIGN

Dir OF TRAFFIC





1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
[PAVEMENT] C;
[MAINTENANCE] C;

C23B(CA) SIGN PANEL DETAIL

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

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

ROAD CONNECTIONS

PM	LOCATION
23.58	DIV OF FORESTRY Rd - Lt
23.64	PRATVILLE Rd - Lt
24.10	HARRIS Dr - Lt
24.40	QUARRY St - Lt

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

REVISED BY | DATE REVISED
KURT SCHNEIDER | KARLIE SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE

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LAST REVISION 08-05-10 | DATE PLOTTED => 05-AUG-2010 | TIME PLOTTED => 15:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las	036	22.3/24.4	4	8

08-05-10
REGISTERED CIVIL ENGINEER DATE

08-02-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KURT SCHNEIDER
No. C59219
Exp. 06/30/11
CIVIL
STATE OF CALIFORNIA

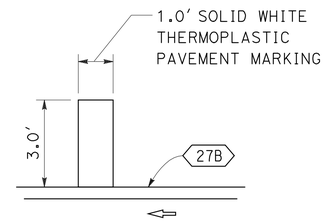
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

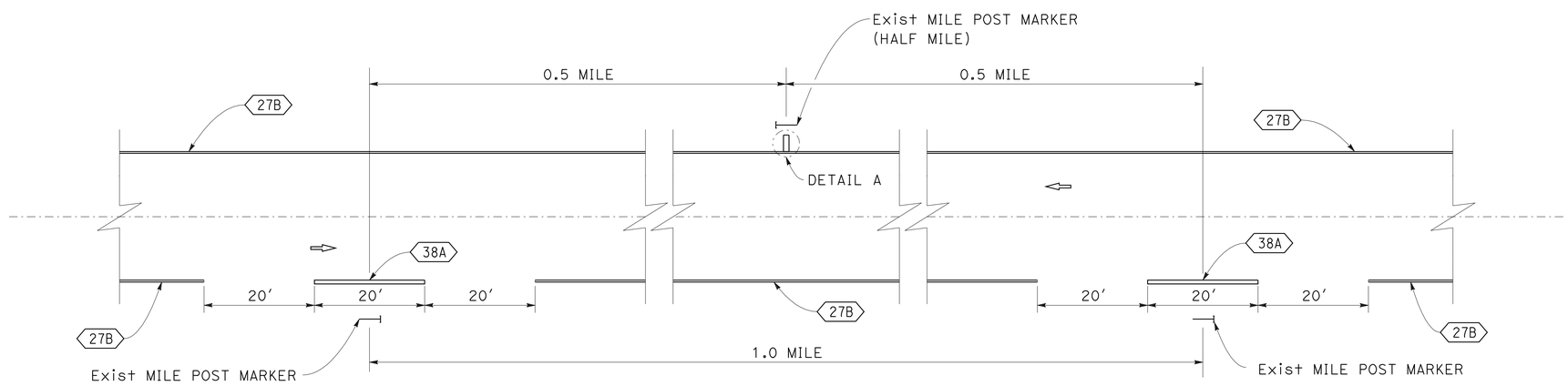
1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

⇨ Dir OF TRAFFIC



DETAIL A



TYPICAL HALF MILE AND MILE POST STRIPE

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

REVISED BY	DATE REVISED
KURT SCHNEIDER	KARLIE SMITH
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 08-05-10 | DATE PLOTTED => 05-AUG-2010 | TIME PLOTTED => 15:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las	036	22.3/24.4	5	8

REGISTERED CIVIL ENGINEER 08-05-10 DATE

08-02-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KURT SCHNEIDER No. C59219 Exp. 06/30/11 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.

NOTE:
1. (N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

ROADWAY QUANTITIES SUMMARY

POSTMILE LIMITS	LENGTH	WIDTH	SEAL COAT		FLUSH COAT	
			MODIFIED BINDER	SCREENINGS (HOT-APPLIED)	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER
PM - PM	LF	LF	TON	TON	TON	TON
22.32-22.33	52.8	33-35				
22.33-22.39	316.8	37-41				
22.39-22.48	475.2	41-44				
22.48-22.51	158.4	44-44				
22.51-22.57	316.8	44-45				
22.57-22.72	792.0	45-45				
22.72-22.95	1214.4	45-45				
22.95-22.98	158.4	45-46				
22.98-23.03	264.0	46-47				
23.03-23.21	950.4	47-48				
23.21-23.26	264.0	48-48				
23.26-23.33	369.6	48-49				
23.33-23.51	950.4	49-50				
23.51-23.60	475.2	50-50				
23.60-23.65	264.0	50-52	104.7	718.1	15.0	119.7
23.65-23.69	211.2	52-57				
23.69-23.77	422.4	57-61				
23.77-23.83	316.8	61-68				
23.83-23.86	158.4	68-72				
23.86-23.87	52.8	72-60				
23.87-23.93	316.8	60-50				
23.93-23.99	316.8	50-51				
23.99-24.11	633.6	51-60				
24.11-24.13	105.6	60-68				
24.13-24.14	52.8	68-67				
24.14-24.26	633.6	67-63				
24.26-24.27	52.8	63-55				
24.27-24.29	105.6	55-51				
24.29-24.37	422.4	51-51				
TOTAL			104.7	718.1	15.0	119.7

THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE 2-COAT)

	DETAIL 12	DETAIL 22	DETAIL 27B	DETAIL 27C	DETAIL 29	DETAIL 38	DETAIL 38A
	LF	LF	LF	LF	LF	LF	LF
SUBTOTAL	9500	10,400	21,000	450	650	500	40
TOTAL	42,540						

MAINTAIN EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

ELEMENT	PM	LOCATION
HAR FLASHER	23.79	ON EB Shld, BACK-TO-BACK SIGN FOR EB & WB TRAFFIC
CCTV	24.04	ON EB Shld
3 LOOPS	24.38	266' W OF COTTAGE St

PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)

	TYPE D	TYPE G
	EA	EA
	904	218
TOTAL	1122	

REMOVE THERMOPLASTIC PAVEMENT MARKING

PM	Lt	Mid	Rt	EA (N)	SQFT	REMARKS
22.50	X			1	3.0	DETAIL A
22.53	X			1	42.0	TYPE VI ARROW
22.57	X			1	42.0	TYPE VI ARROW
22.61	X			1	42.0	TYPE VI ARROW
23.50	X			1	3.0	DETAIL A
23.54	X			1	20.0	ROAD CONNECTION LIMIT LINE
23.54	X			1	22.0	STOP
23.64	X			1	25.0	ROAD CONNECTION LIMIT LINE
23.64	X			1	22.0	STOP
23.75		X		1	42.0	TYPE III ARROW
23.80		X		1	42.0	TYPE III ARROW
23.85		X		1	42.0	TYPE III ARROW
24.10	X			1	33.0	ROAD CONNECTION LIMIT LINE
24.10	X			1	22.0	STOP
24.40	X			1	20.0	ROAD CONNECTION LIMIT LINE
24.40	X			1	22.0	STOP
TOTAL					444.0	

THERMOPLASTIC PAVEMENT MARKING

PM	Lt	Mid	Rt	EA (N)	SQFT	REMARKS
22.50	X			1	3.0	DETAIL A
22.53	X			1	42.0	TYPE VI ARROW
22.57	X			1	42.0	TYPE VI ARROW
22.61	X			1	42.0	TYPE VI ARROW
23.50	X			1	3.0	DETAIL A
23.54	X			1	20.0	ROAD CONNECTION LIMIT LINE
23.54	X			1	22.0	STOP
23.64	X			1	25.0	ROAD CONNECTION LIMIT LINE
23.64	X			1	22.0	STOP
23.75		X		1	42.0	TYPE III ARROW
23.80		X		1	42.0	TYPE III ARROW
23.85		X		1	42.0	TYPE III ARROW
24.10	X			1	33.0	ROAD CONNECTION LIMIT LINE
24.10	X			1	22.0	STOP
24.40	X			1	20.0	ROAD CONNECTION LIMIT LINE
24.40	X			1	22.0	STOP
TOTAL					444.0	

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED
KURT SCHNEIDER | KARLIE SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION DATE PLOTTED => 05-AUG-2010 TIME PLOTTED => 15:17
08-05-10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Las	36	22.3/24.4	6	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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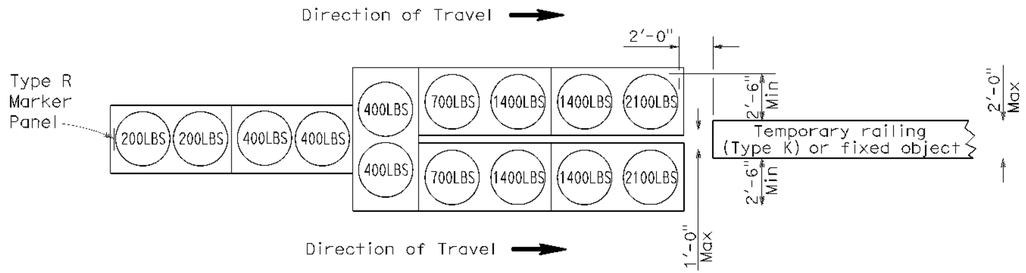
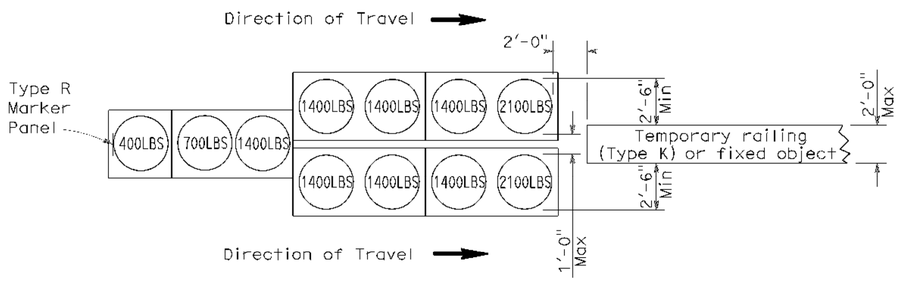
To accompany plans dated 08-02-10



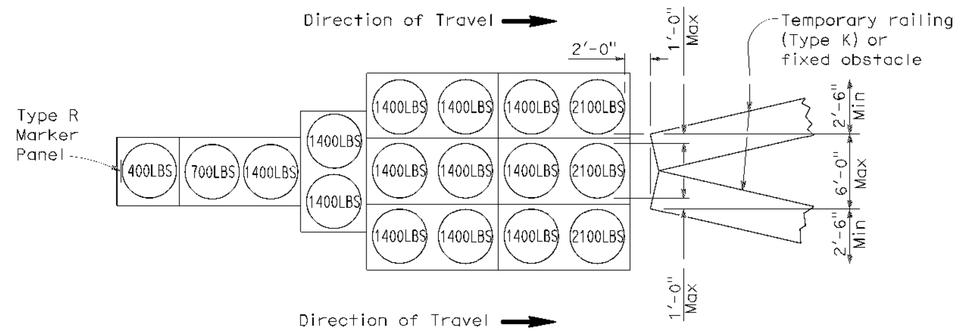
ARRAY 'TU14'

Approach speed 45 mph or more



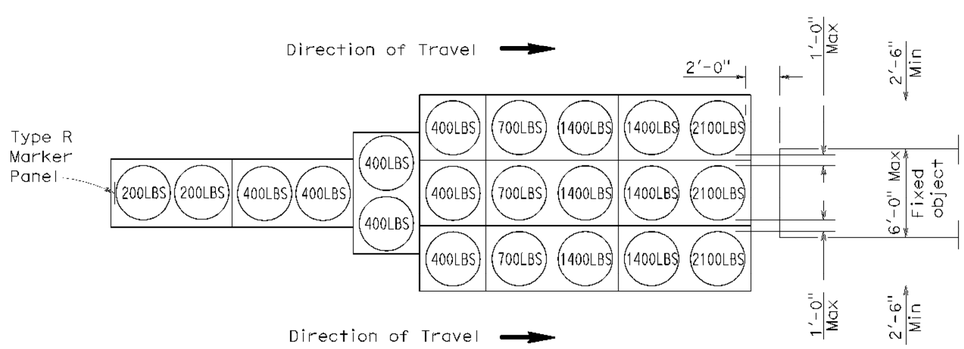
ARRAY 'TU11'

Approach speed less than 45 mph



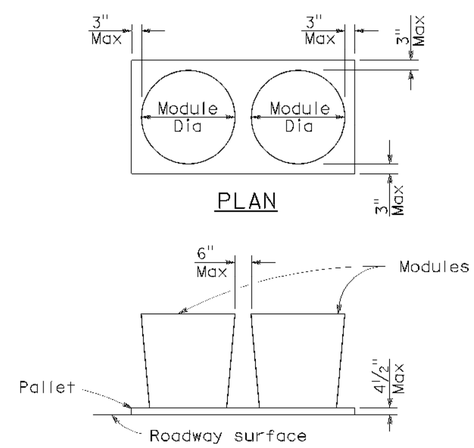
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5 15 08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Las	36	22.3/24.4	7	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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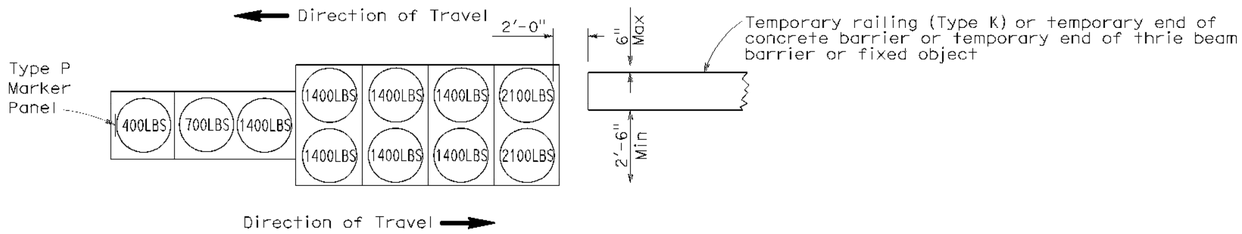
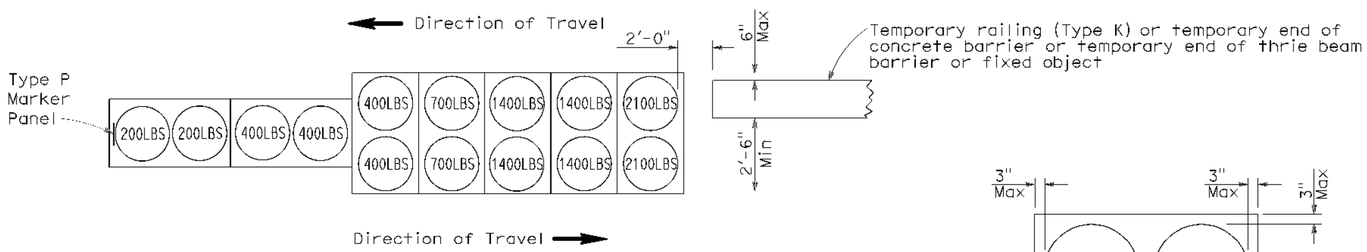
To accompany plans dated 08-02-10



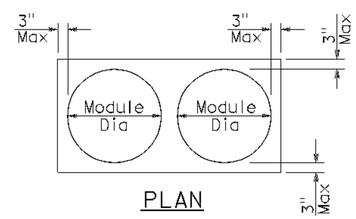
ARRAY 'TB11'

Approach speed less than 45 mph

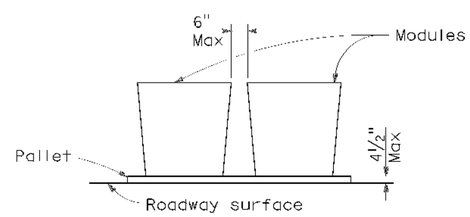


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5 15 08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Las	36	22.3/24.4	8	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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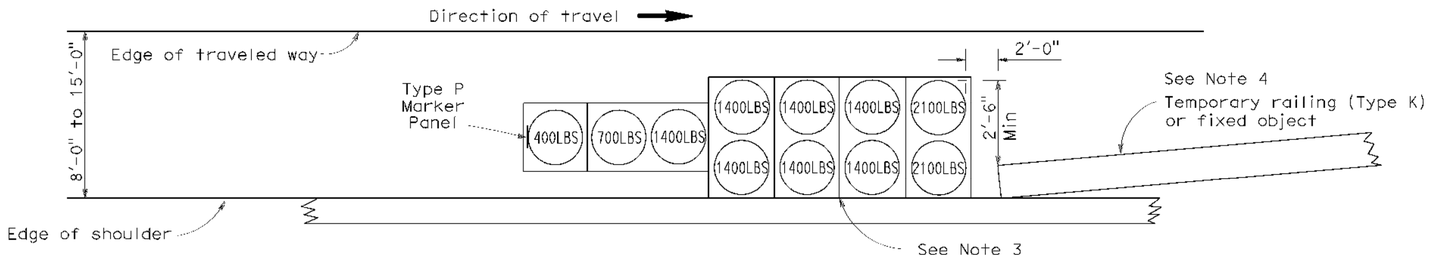
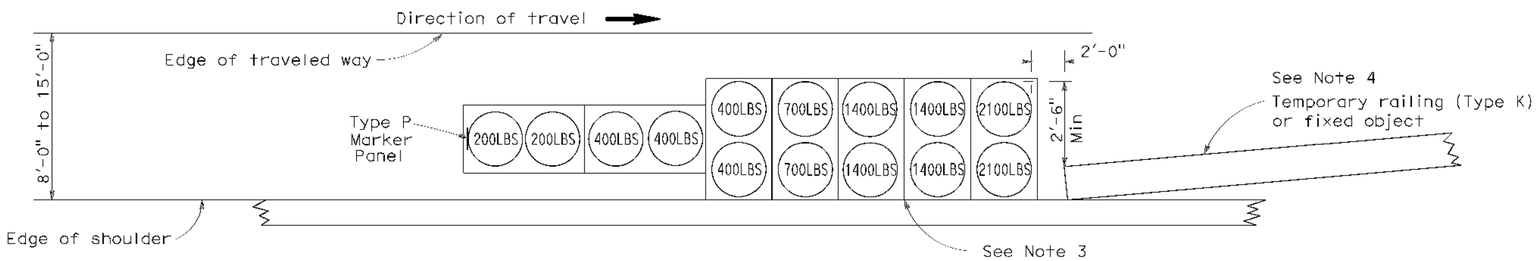
To accompany plans dated 08-02-10



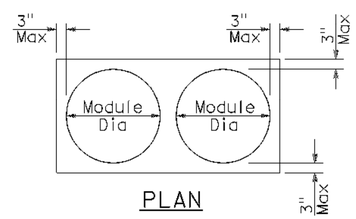
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

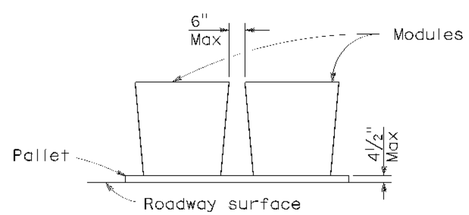


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08