

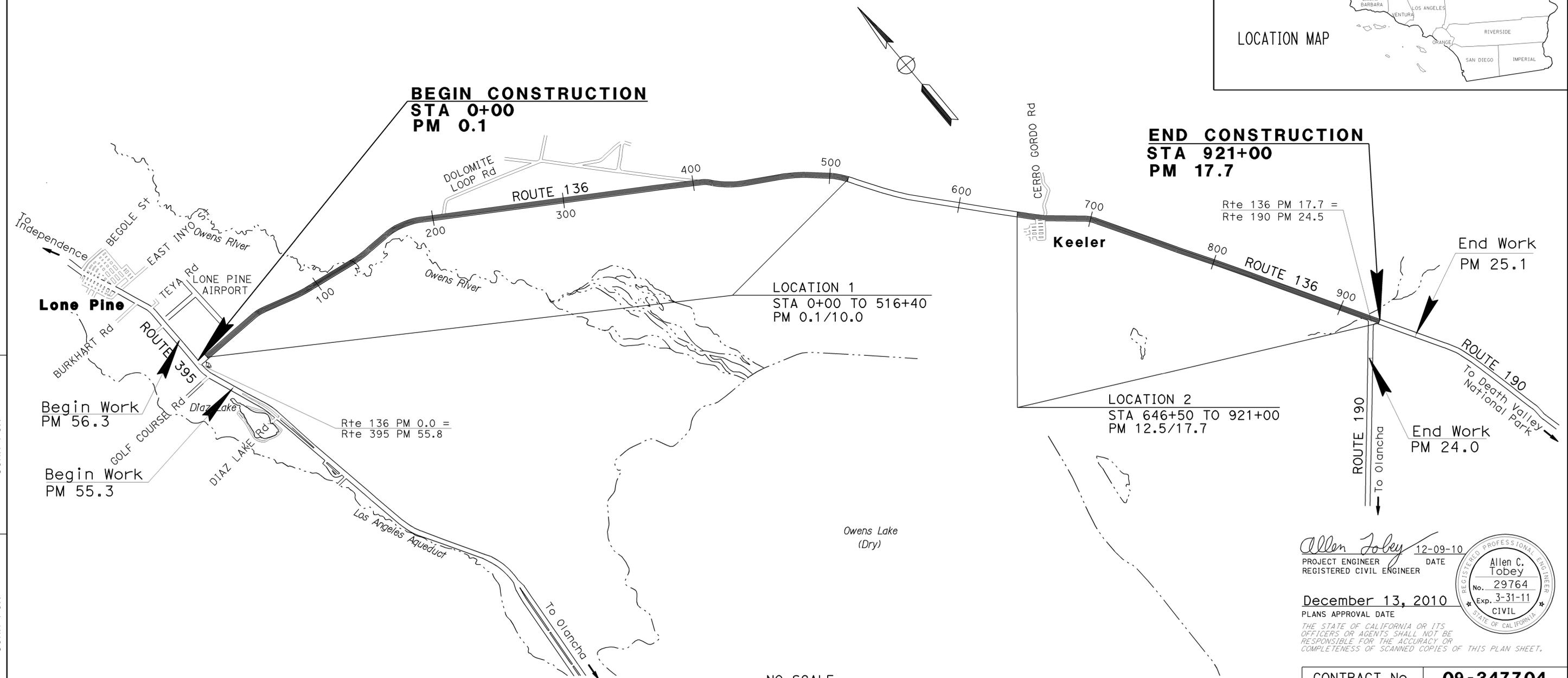
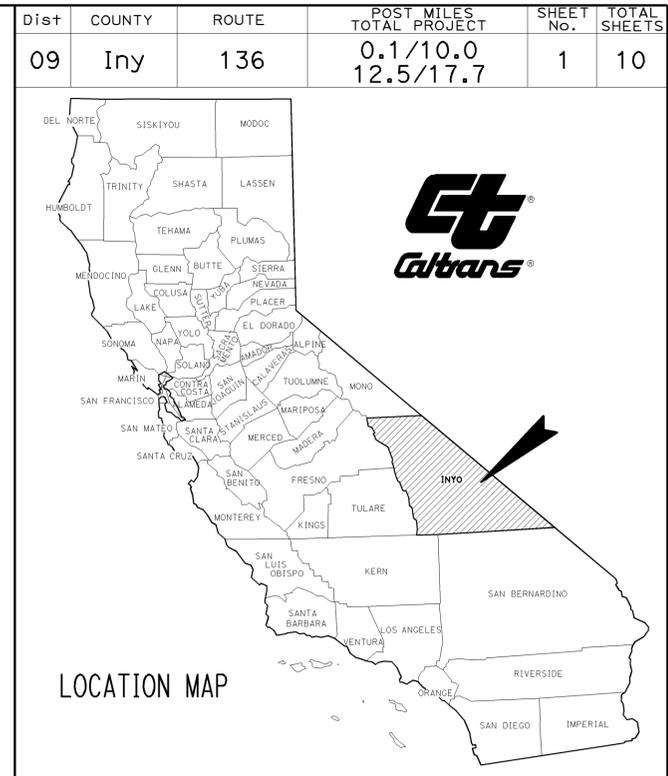
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION
3	CONSTRUCTION DETAILS
4	TEMPORARY WATER POLLUTION CONTROL QUANTITIES
5	CONSTRUCTION AREA SIGNS
6	SUMMARY OF QUANTITIES
7-10	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 INYO COUNTY NEAR LONE PINE
FROM 0.1 MILE EAST TO 10.0 MILES EAST
OF ROUTE 395
AND FROM 12.5 MILES EAST OF ROUTE 395
TO ROUTE 190

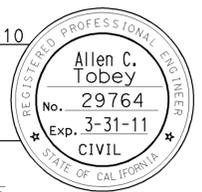
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT MANAGER
JOHN FOX

DESIGN ENGINEER
JOHN FOX

Allen C. Tobey 12-09-10
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
December 13, 2010
 PLANS APPROVAL DATE



CONTRACT No.	09-347704
PROJECT ID	0900020051

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

NO SCALE

DATE PLOTTED => 28-DEC-2010
 TIME PLOTTED => 11:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	2	10

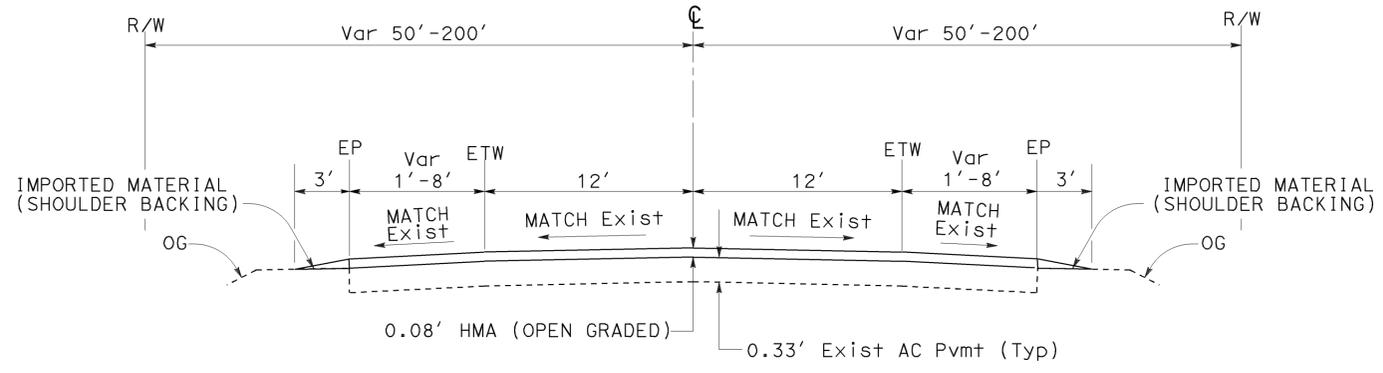
Allen Tobey 12-09-10
 REGISTERED CIVIL ENGINEER DATE
 12-13-2010
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 ALLEN C. TOBEY
 No. 29764
 Exp. 03-31-11
 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 PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER
3. FOR ACCURATE RIGHT OF WAY, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. STATIONING SHOWN IS FOR CONSTRUCTION PURPOSES ONLY.
5. ALL HMA SHALL HAVE LIQUID ANTISTRIP TREATMENT.



ROUTE 136

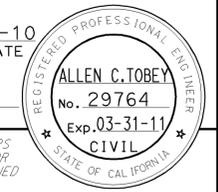
LOCATION 1 STA 0+00 TO STA 516+40 (PM 0.1 TO PM 10.0)
 LOCATION 2 STA 646+50 TO STA 921+00 (PM 12.5 TO PM 17.7)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR **JOHN FOX**
 CALCULATED/DESIGNED BY
 CHECKED BY
 ALLEN TOBEY
 DAMON CHERENZIA
 REVISED BY
 DATE REVISED

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

TYPICAL CROSS SECTION
NO SCALE **X-1**

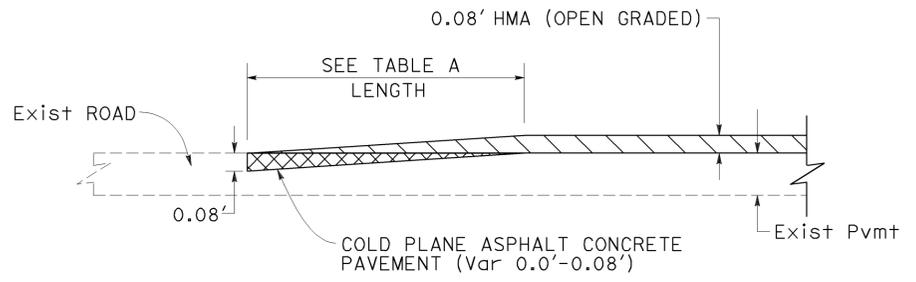
LAST REVISION | DATE PLOTTED => 28-DEC-2010
 12-09-10 TIME PLOTTED => 11:30



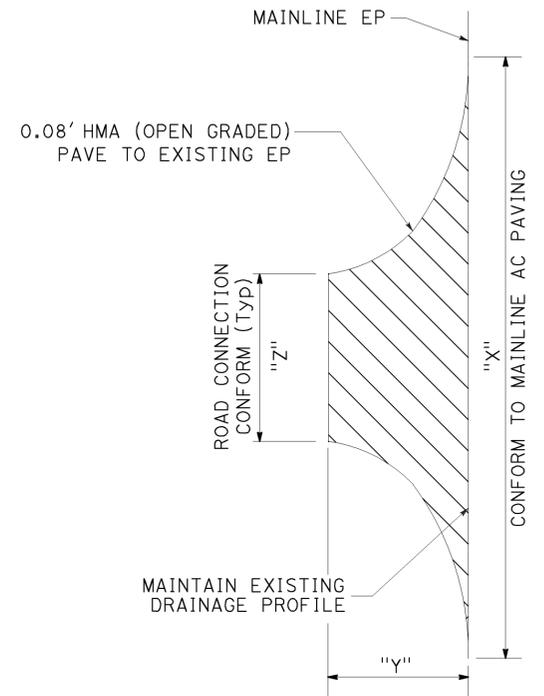
LEGEND

- LIMITS OF COLD PLANE ASPHALT CONCRETE PAVEMENT (TYPICAL)
 - LIMITS OF 0.08' HMA (OPEN GRADED)
 - DIRECTION OF TRAVEL

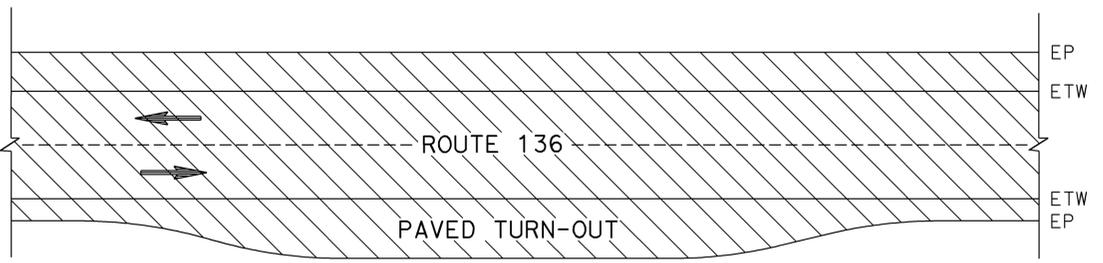
LOCATION	STATION	DESCRIPTION	LENGTH	WIDTH	DEPTH	NOTES
1	0+00-0+20	CONFORM GRIND	20.0'	32.5'	0.08'	BEGIN CONSTRUCTION, BEGIN LOCATION 1
	132+48-132+68	CONFORM GRIND	20.0'	40.0'	0.08'	OWENS RIVER BRIDGE
	133+50-133+70	CONFORM GRIND	20.0'	40.0'	0.08'	OWENS RIVER BRIDGE
	173+44	CONFORM GRIND	5.0'	25.2'	0.08'	DOLOMITE LOOP ROAD WEST END L+
	401+76	CONFORM GRIND	5.0'	32.3'	0.08'	DOLOMITE LOOP ROAD EAST END L+
2	516+20-516+40	CONFORM GRIND	20.0'	26.2'	0.08'	END LOCATION 1
	646+50-646+70	CONFORM GRIND	20.0'	26.3'	0.08'	BEGIN LOCATION 2
	658+37	CONFORM GRIND	5.0'	76.7'	0.08'	MALONE STREET R+
	663+87	CONFORM GRIND	5.0'	37.5'	0.08'	CERRO GORDO ROAD R+
	919+57	CONFORM GRIND	5.0'	28.5'	0.08'	STATE ROUTE 190 R+
	920+80-921+00	CONFORM GRIND	20.0'	27.0'	0.08'	END CONSTRUCTION, END LOCATION 2



TYPICAL CONFORM GRIND DETAIL



TYPICAL ROAD CONNECTION HMA PAVING LIMITS



LIMITS OF HMA (OPEN GRADED) AT PAVED TURN-OUT

STA 42+16 L+ & R+
 STA 802+30 R+
 STA 854+96 R+
 STA 870+75 R+

STATION	L+	R+	"X"	"Y"	"Z"	DESCRIPTION
134+97	X		45.6'	31.5'	13.6'	OWEN'S RIVER ROAD
173+44	X		128.0'	117.5'	25.2'	DOLOMITE LOOP ROAD WEST END
179+72		X	81.4'	32.0'	20.0'	UNNAMED DIRT ROAD
401+76	X		108.6'	38.5'	32.3'	DOLOMITE LOOP ROAD EAST END
658+37		X	193.4'	31.0'	76.7'	MALONE STREET
663+87		X	120.0'	40.0'	37.5'	CERRO GORDO ROAD
678+99	X		323.0'	62.0'	27.7'	CERRO GORDO ROAD
736+15	X		345.0'	121.0'	40.0'	PIT ROAD
736+15		X	346.0'	119.0'	41.0'	PIT ROAD
756+30		X	197.0'	101.5'	41.1'	SULFATE ROAD
919+57		X	113.0'	43.0'	28.5'	STATE ROUTE 190

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE ENGINEERING
 JOHN FOX
 FUNCTIONAL SUPERVISOR
 ALLEN TOBEY
 DAMON CHERENZIA
 REVISOR
 DATE REVISOR

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

CONSTRUCTION DETAILS
NO SCALE **C-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	4	10

Allen Tobey 12-09-10
 REGISTERED CIVIL ENGINEER DATE

12-13-2010
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OR COMPLETENESS OF SCANNED
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NOTE:
 1. EXACT LOCATION AND POSITION OF TEMPORARY DRAINAGE PROTECTION TO BE DETERMINED BY THE ENGINEER.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR **JOHN FOX**
 CALCULATED/DESIGNED BY
 CHECKED BY
 ALLEN TOBEY
 DAMON CHERENZIA
 REVISED BY
 DATE REVISED

TEMPORARY FIBER ROLL				
STATION	LF	L+	R+	DESCRIPTION
132+06	60	X		OWENS RIVER BRIDGE
132+06	60		X	OWENS RIVER BRIDGE
133+50	60	X		OWENS RIVER BRIDGE
133+50	60		X	OWENS RIVER BRIDGE
TOTAL	240			

**TEMPORARY WATER POLLUTION CONTROL QUANTITIES
 WPCQ-1**

LAST REVISION | DATE PLOTTED => 09-DEC-2010
 12-09-10 | TIME PLOTTED => 13:50

NOTES:

- FOR SIGN INSTALLATION DETAILS AND DIMENSIONS NOT SHOWN SEE STANDARD PLANS.
- SIGNS IN CONFLICT WITH ADJACENT, ON-GOING PROJECTS SHALL BE COVERED UPON INSTALLATION AS DIRECTED BY THE ENGINEER.
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

→ - DIRECTION OF TRAVEL

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	5	10

Allen Tobey 12-09-10
 REGISTERED CIVIL ENGINEER DATE

12-13-2010
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
ALLEN C. TOBEY
 No. 29764
 Exp. 03-31-11
 CIVIL
 STATE OF CALIFORNIA

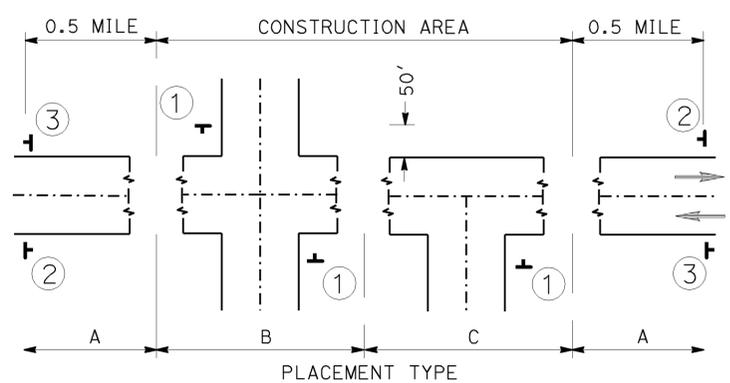
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS				
ROUTE	PM	STATION	PLACEMENT	REMARKS
395	55.33		A	BEGIN WORK
395	56.33		A	BEGIN WORK
136	3.44	173+44	C	DOLOMITE LOOP Rd, WEST END, Lt
136	7.82	401+76	C	DOLOMITE LOOP Rd, EAST END, Lt
136	12.73	658+37	C	MALONE STREET, Rt
136	12.83	663+87	C	CERRO GORDO STREET, Rt
136	13.10	678+99	C	CERRO GORDO STREET, Lt
136	14.20	736+15	B	PIT Rd, Lt & Rt
136	14.58	756+30	C	SULFATE Rd, Rt
190	24.05		A	END WORK
190	25.05		A	END WORK

PORTABLE CHANGEABLE MESSAGE SIGNS		
MESSAGE FOR 2 LANE SECTIONS		
EXPECT DELAYS	REDUCE SPEED	PREPARE TO STOP
USE CAUTION	ROAD WORK ON ROUTE 136	

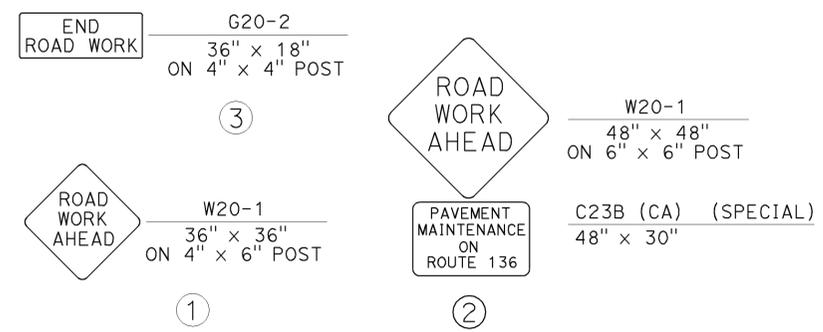
- PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS TO BE CONFIRMED BY THE ENGINEER BEFORE THE ACTUAL CLOSURE.
- ALTERNATE MESSAGES MUST BE APPROVED BY THE ENGINEER.
- MESSAGE MAY BE ALTERED BY THE ENGINEER.
- PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DISPLAYED DURING SWEEPING OPERATIONS AND WHEN CONSTRUCTION OPERATIONS ARE ACTIVELY IN PROGRESS UNLESS ORDERED OTHERWISE BY THE ENGINEER.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
LAYOUT	SIGN CODE	PANEL SIZE	SIGN MESSAGE	TOTAL No. OF SIGNS	TOTAL No. OF POSTS AND SIZE
①	W20-1	36" x 36"	ROAD WORK AHEAD	8	8 - 4" x 6"
②	W20-1	48" x 48"	ROAD WORK AHEAD	4	4 - 6" x 6"
	C23B (CA) (SPECIAL)	48" x 30"	PAVEMENT MAINTENANCE ON ROUTE 136	4	
③	G20-2	36" x 18"	END ROAD WORK	4	4 - 4" x 4"

MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION			
ROUTE	PM	No.	REMARKS
136	0.200	2	TRAFFIC COUNT STATION - ROUTE 136
136	17.655	2	TRAFFIC COUNT STATION - ROUTE 136
190	24.515	2	TRAFFIC COUNT STATION - ROUTE 190
TOTAL		6	



TYPICAL SIGN PLACEMENT FOR UNDIVIDED HIGHWAY



TYPICAL SIGN LAYOUT

CONSTRUCTION AREA SIGNS CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR **JOHN FOX**
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISED BY **ALLEN TOBEY**
 DATE REVISED **DAMON CHERENZIA**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	6	10

Allen Tobey 12-09-10
 REGISTERED CIVIL ENGINEER DATE

12-13-2010
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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ROADWAY QUANTITIES				
LOCATION	HOT MIX ASPHALT (OPEN GRADED)	COLD PLANE AC PAVEMENT	IMPORTED MATERIAL (SHOULDER BACKING)	TACK COAT
	TON	SQYD	TON	TON
1	7,553	340	1,611	67
2	4,079	198	856	36
TOTAL	11,632	538	2,467	103

PAINT TRAFFIC STRIPE (2-COAT)				
LOCATION	DETAIL NUMBER			
	5	18	21	27B
	LF	LF	LF	LF
1	37,666	11,549	2,240	103,095
2	15,526	4,666	7,234	53,962
TOTAL	235,938			

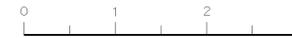
REMOVE THERMOPLASTIC PAVEMENT MARKING	
LOCATION	SQFT
1	158
2	356
TOTAL	514

THERMOPLASTIC PAVEMENT MARKINGS						
LOCATION	LIMIT LINE		"STOP"		"AHEAD"	
	LF (N)	SQFT	EA (N)	SQFT	EA (N)	SQFT
1	61	61	3	66	1	31
2	224	224	6	132		
TOTAL	514					

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR **JOHN FOX**
 CALCULATED/DESIGNED BY
 CHECKED BY
 ALLEN TOBEY
 DAMON CHERENZIA
 REVISED BY
 DATE REVISED

SUMMARY OF QUANTITIES Q-1



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	7	10

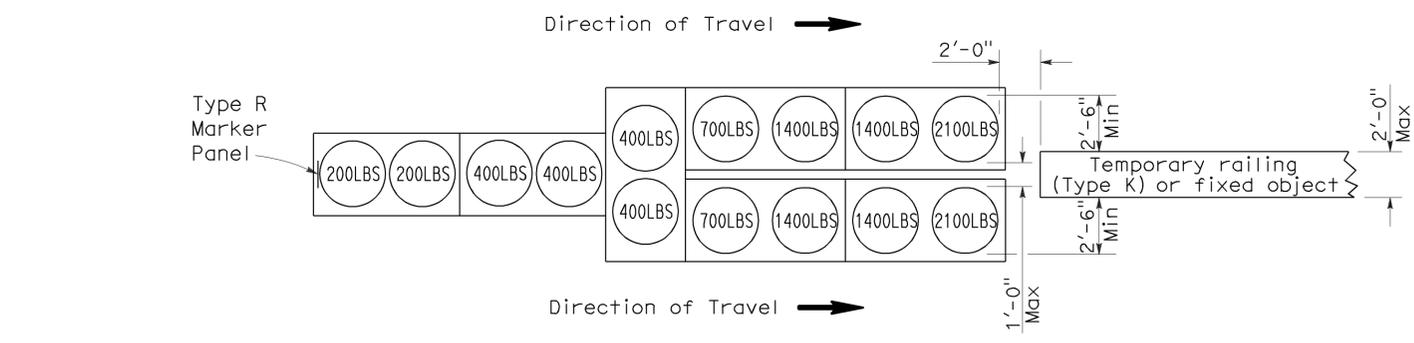
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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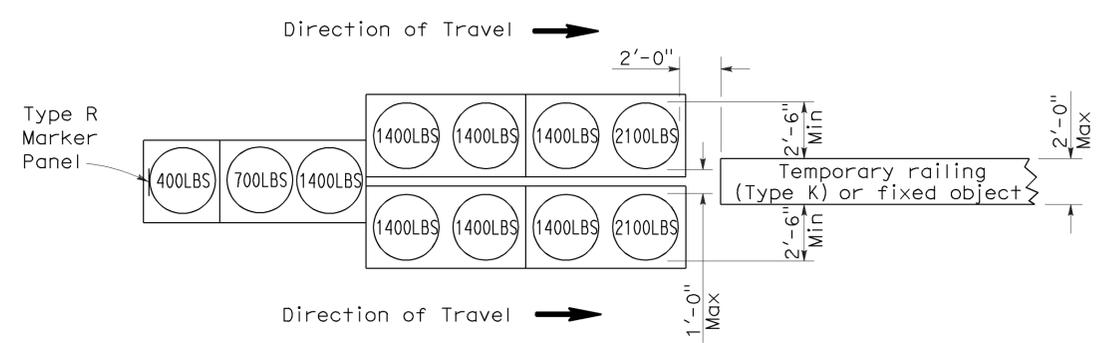
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 12-13-10



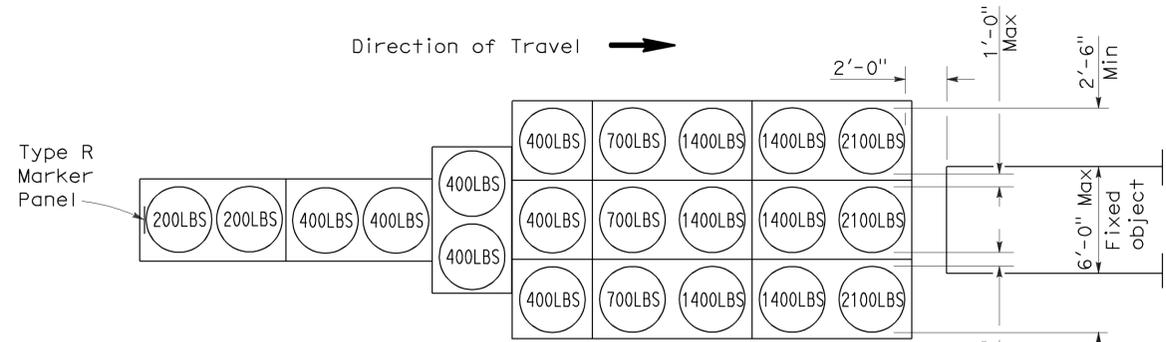
ARRAY 'TU14'

Approach speed 45 mph or more



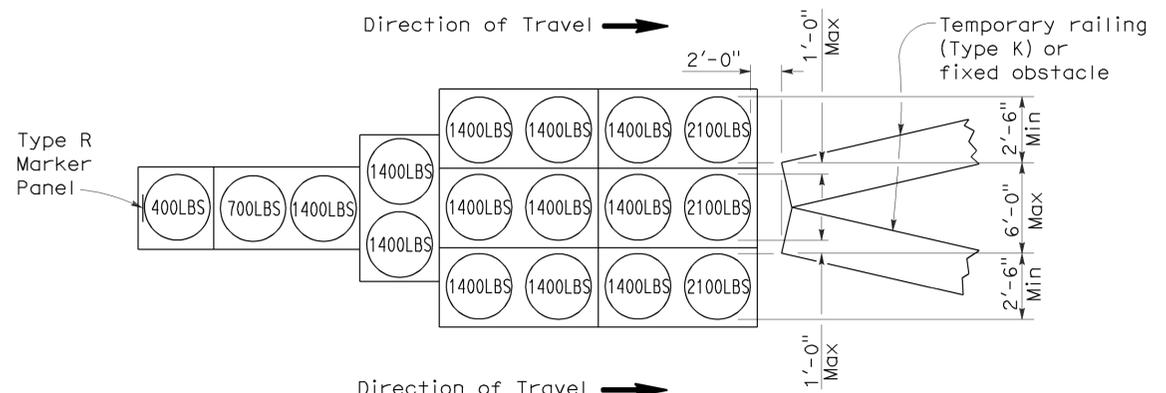
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

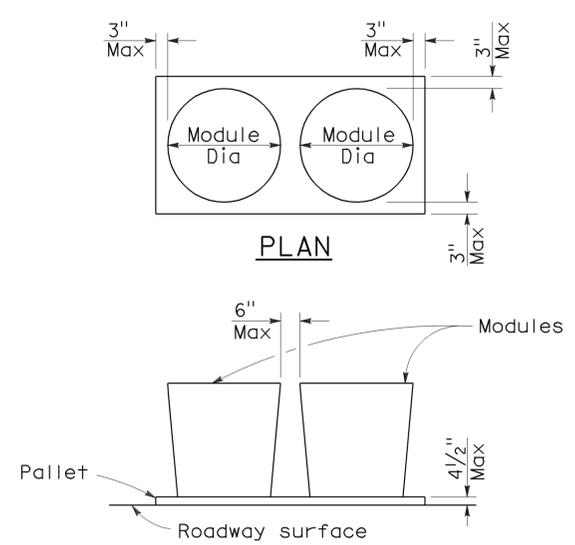


ARRAY 'TU17'

Approach speed less than 45 mph

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.



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	8	10

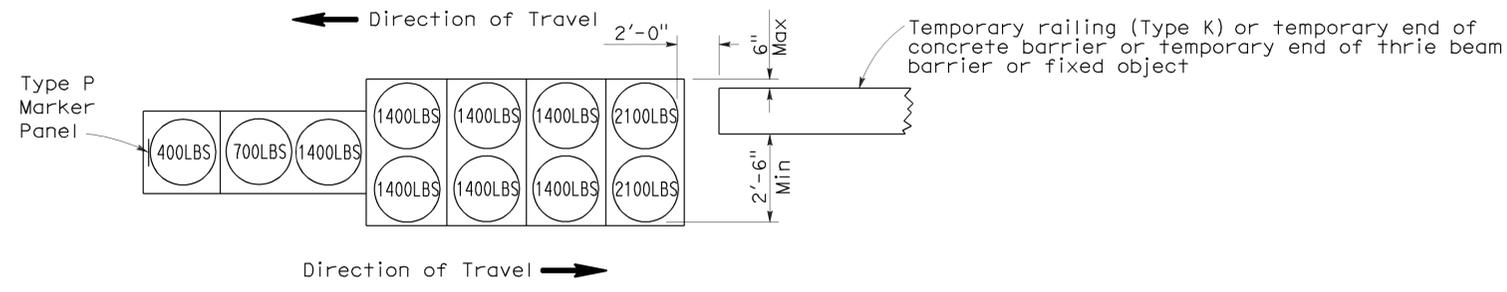
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

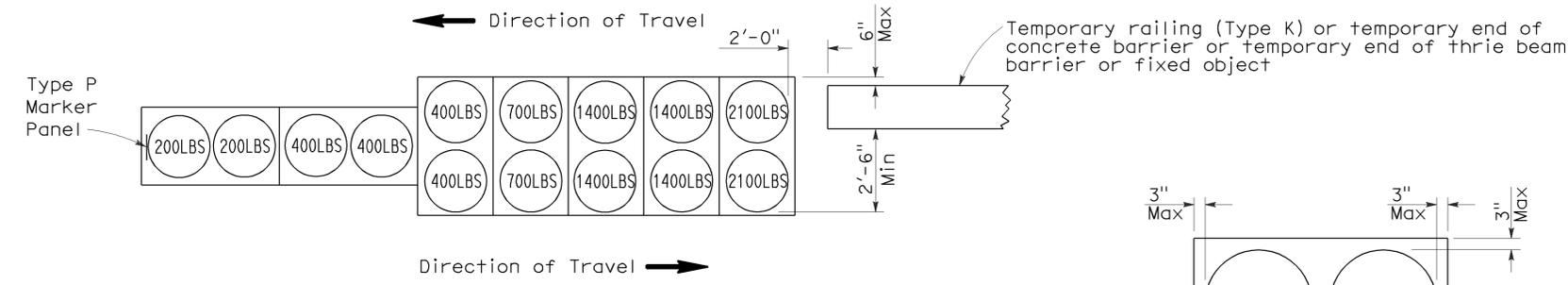
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To accompany plans dated 12-13-10



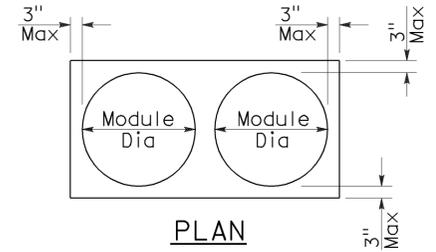
ARRAY 'TB11'

Approach speed less than 45 mph

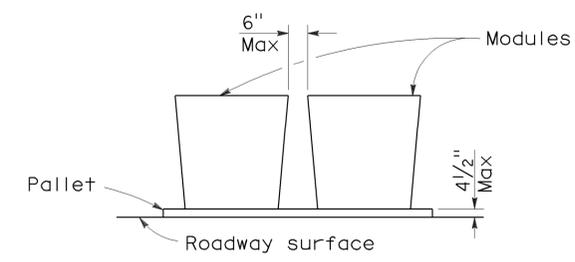


ARRAY 'TB14'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	9	10

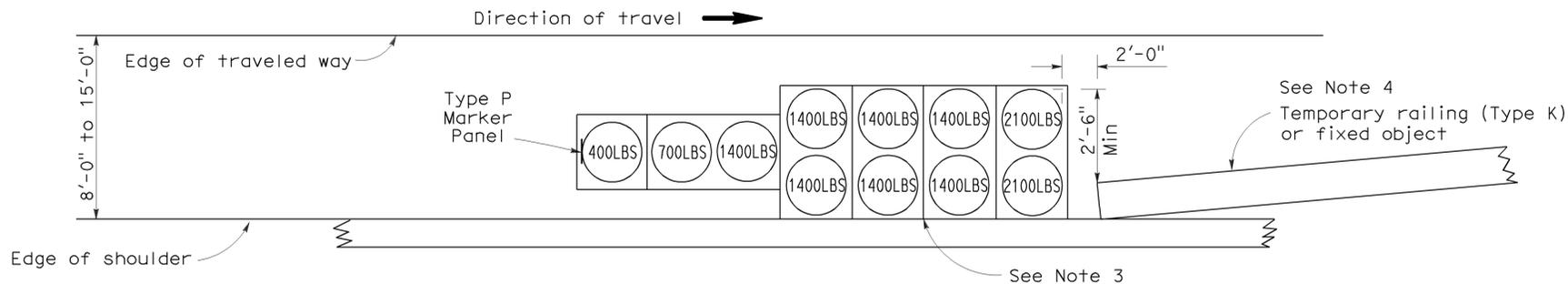
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

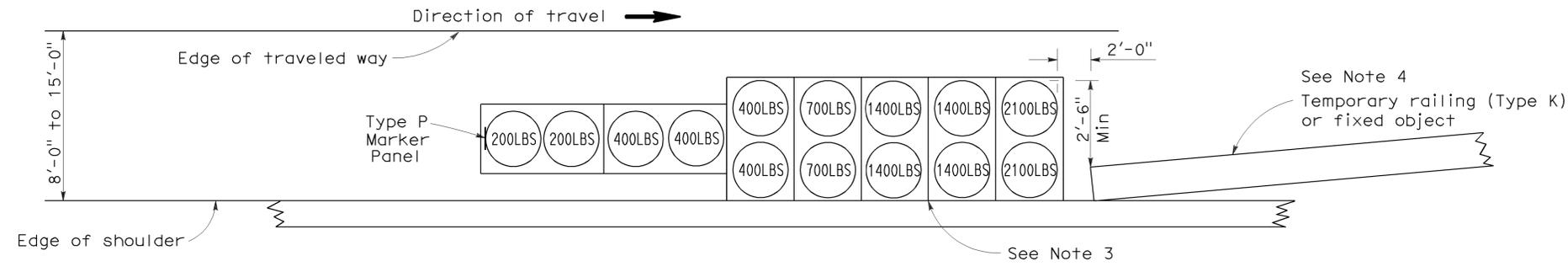
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

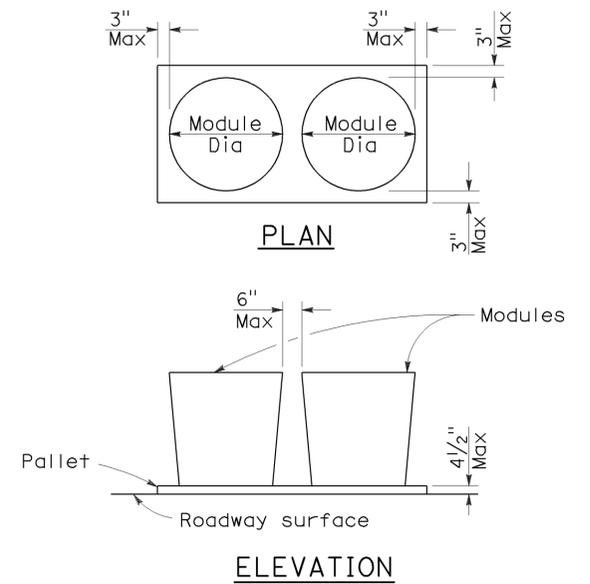
To accompany plans dated 12-13-10



ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- 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.

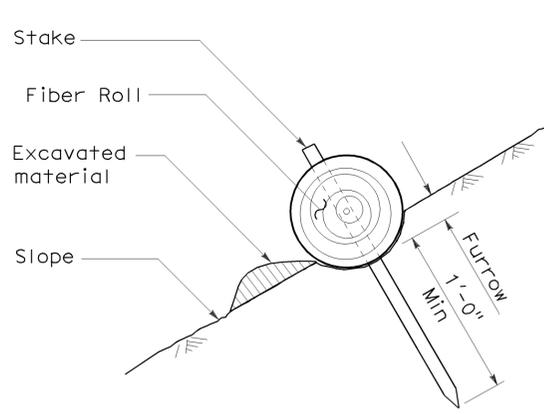
REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

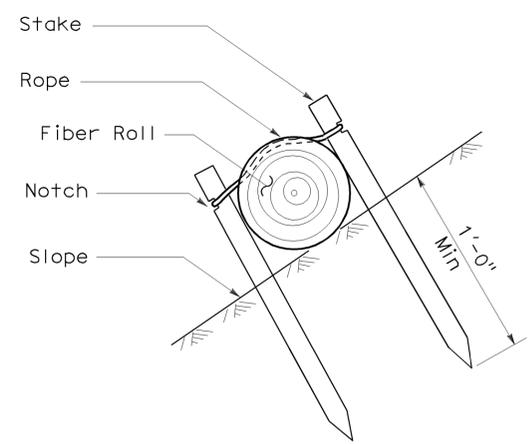
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Iny	136	0.1/10.0 12.5/17.7	10	10

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
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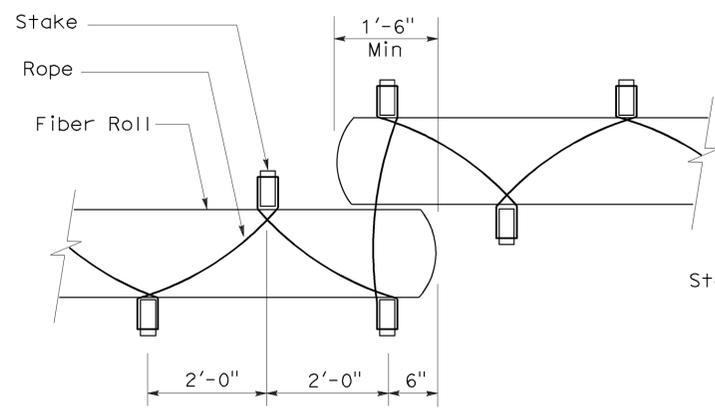
To accompany plans dated 12-13-10



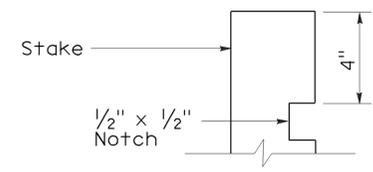
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



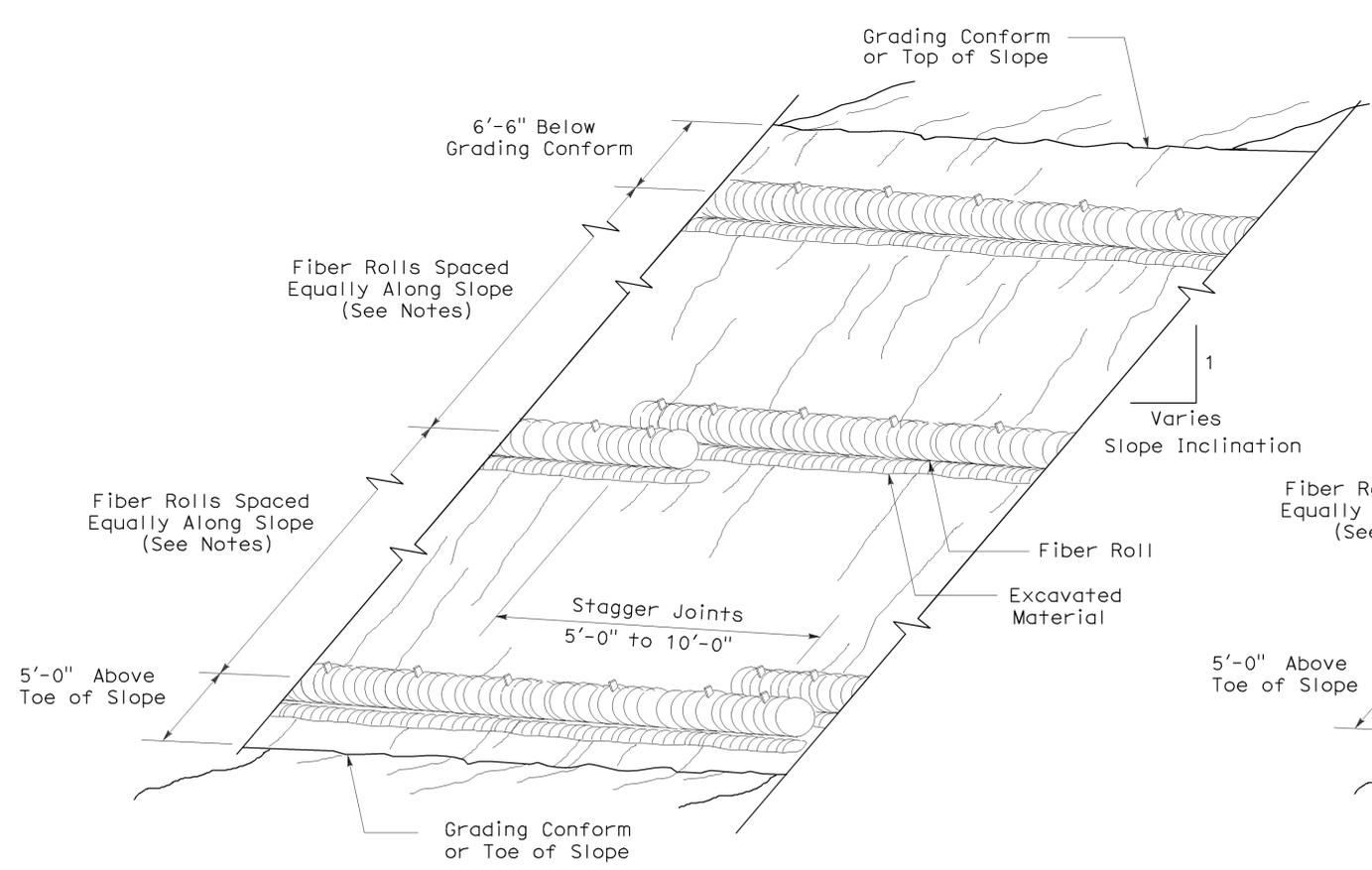
SECTION
TEMPORARY FIBER ROLL (TYPE 2)



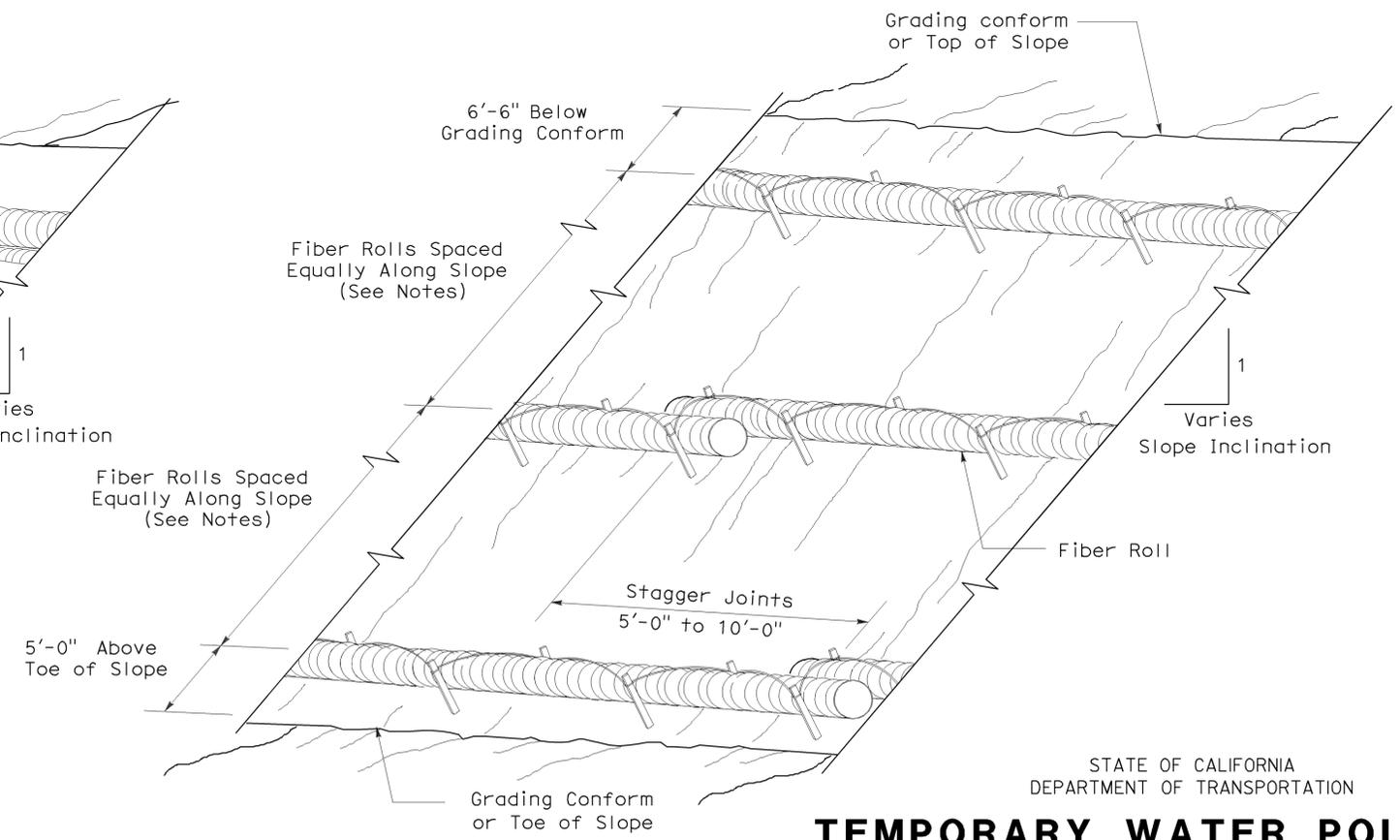
PLAN
ELEVATION
STAKE NOTCH DETAIL



- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
 2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)
 NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

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2006 REVISED STANDARD PLAN RSP T56