ACSTP-P128(047)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	128	17.9/23.3	1	8

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION AND CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4	SUMMARY OF QUANTITIES
5-8	NEW OR REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

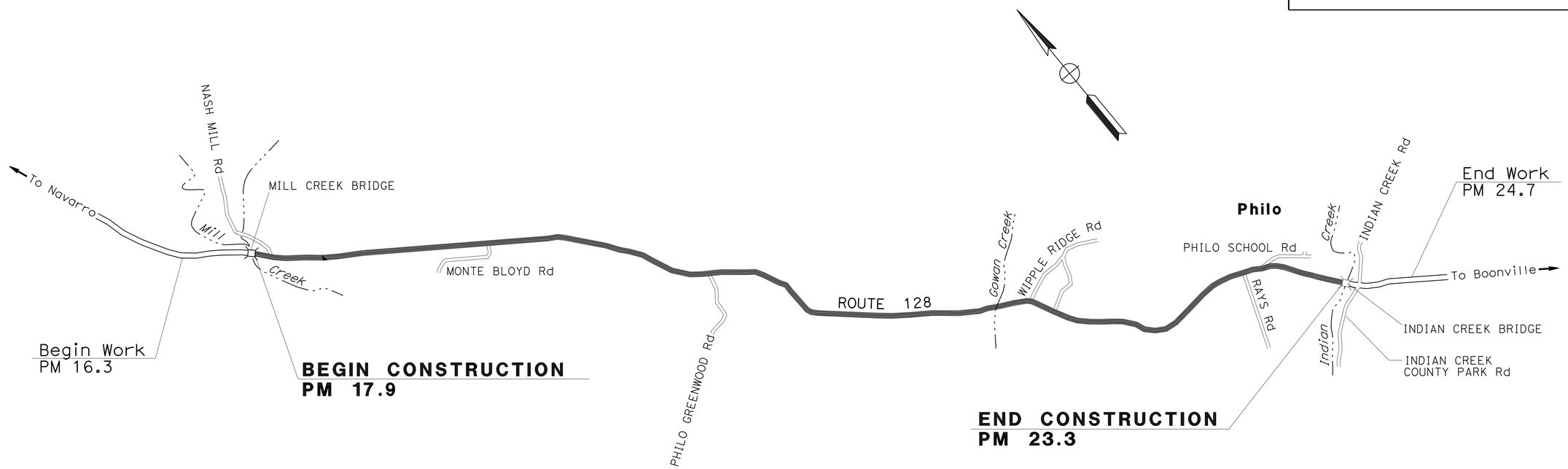
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN MENDOCINO COUNTY IN AND NEAR PHILO FROM MILL CREEK BRIDGE TO INDIAN CREEK BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT MANAGER: Royal B. McCarthy

DESIGN ENGINEER: Royal B. McCarthy

Curtis D. Coburn 1/31/11

PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — CURTIS D. COBURN No. 58431 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

January 31, 2011

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.

DATE PLOTTED => 01-MAR-2011
TIME PLOTTED => 10:35

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

NO SCALE

CONTRACT No.	01-498504
PROJECT ID	0100000694

LAST REVISION 12-09-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	128	17.9/23.3	2	8

REGISTERED CIVIL ENGINEER — DATE 1/31/11

January 31, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CURTIS D. COBURN No. 58431 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

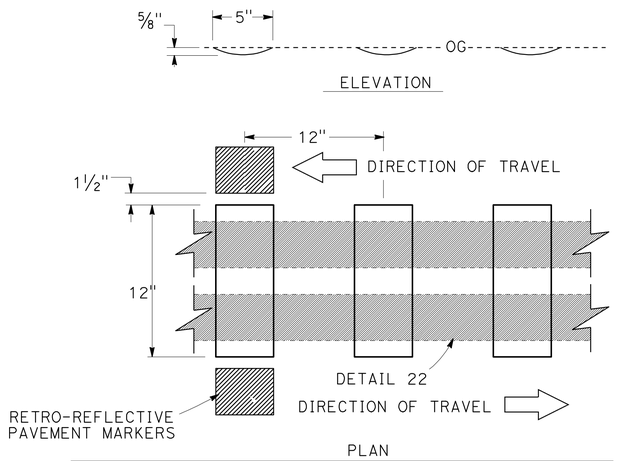
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES

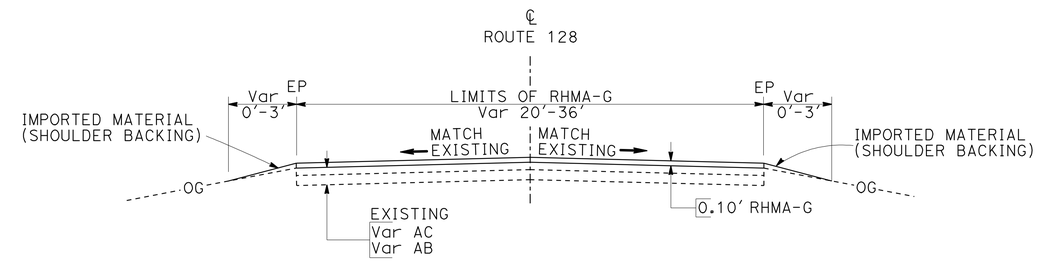
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
4. RUMBLE STRIPS, AS SHOWN ON THIS PLAN SHALL NOT BE CONSTRUCTED ON BRIDGE DECKS, BRIDGE APPROACH SLABS, RAMPS, PUBLIC AND PRIVATE ROAD APPROACHES AND MAJOR (COMMERCIAL ENTRANCE OR MULTIPLE RESIDENTS) DRIVEWAYS.

LEGEND

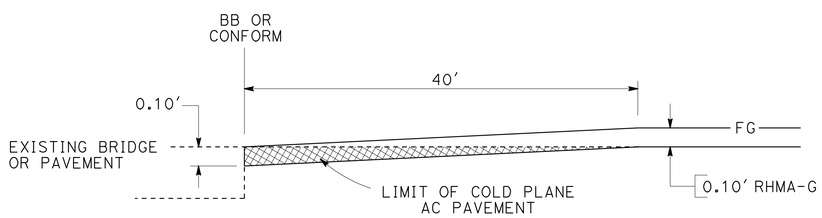
RHMA-G = RUBBERIZED HOT MIX ASPHALT (GAP-GRADED)



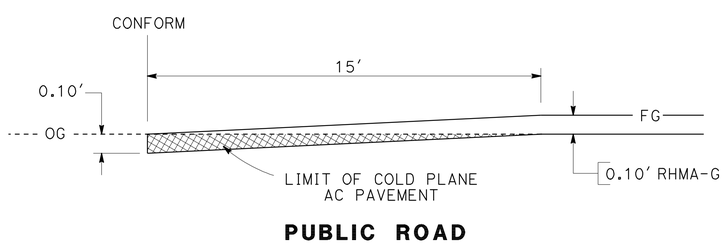
CENTERLINE RUMBLE STRIP



TYPICAL CROSS SECTION PM 17.9 TO PM 23.3

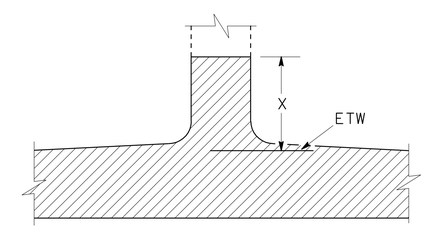


BRIDGE AND PAVING CONFORM

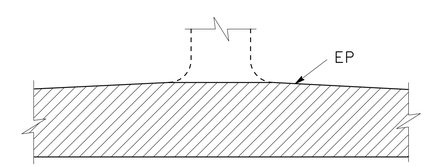


PUBLIC ROAD PAVING CONFORM

LOCATION	PM	X FT
NASH MILL Rd	18.02 L†	45.0
MONTE BLOYD Rd	19.00 R†	40.0
PHILO GREENWOOD Rd	20.15 R†	32.0
RAYS Rd	22.90 R†	35.0
PHILO SCHOOL Rd	23.04 L†	50.0



PUBLIC ROAD CONNECTION



PRIVATE ROAD CONNECTION

LEGEND

LIMITS OF SURFACING

LIMITS OF SURFACING

TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS

X-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Chris Ghidinelli
CHECKED BY: Curtis D. Coburn
REVISED BY / DATE REVISED

LAST REVISION 12-09-10
DATE PLOTTED => 01-MAR-2011
TIME PLOTTED => 10:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	128	17.9/23.3	3	8

Curtis D. Coburn 1/31/11
REGISTERED CIVIL ENGINEER DATE

January 31, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-12
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.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NO OF POSTS AND SIZE	NO. OF SIGNS
A	G20-1	ROAD WORK NEXT 10 MILES	60"x36"	2-4"x6"	2
	C23B (CA)	RESURFACING	52"x12"		
B	G20-2	END ROAD WORK	36"x18"	1-4"x4"	2
C	W11-1	BICYCLE SYMBOL	36"x36"	1-4"x6"	2
	W16-1	SHARE THE ROAD	24"x30"		
D	W20-1	ROAD WORK AHEAD	36"x36"	1-4"x6"	6
E	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	72"x36"	2-4"x6"	2

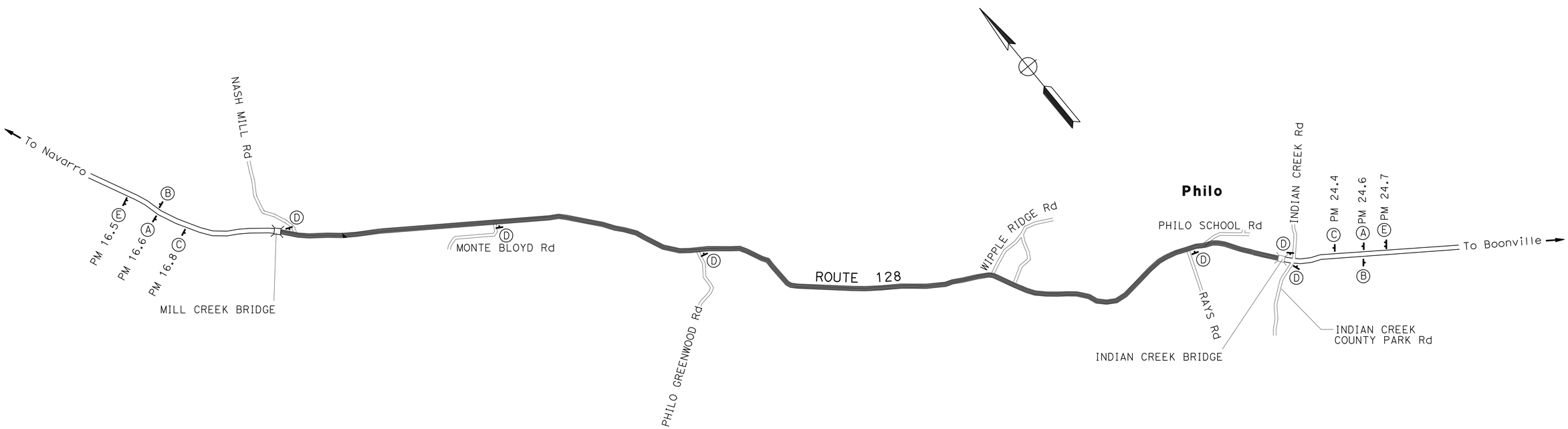
NOTES:

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

52"x12"
4" CAPS
BLACK/ORANGE

RESURFACING

C23B(CA)



CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
Chris Ghidinelli	Curtis D. Coburn

FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION 12-09-10 | DATE PLOTTED => 01-MAR-2011 | TIME PLOTTED => 10:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	128	17.9/23.3	4	8

Curtis D. Coburn 1/31/11
REGISTERED CIVIL ENGINEER DATE

January 31, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CURTIS D. COBURN No. 58431 Exp. 12-31-12 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.

ROADWAY QUANTITIES

LOCATION (PM) FROM	LOCATION (PM) TO	TEMPORARY FENCE (TYPE ESA)	CENTERLINE RUMBLE STRIP	RUBBERIZED HOT MIX ASPHALT (GAP-GRADED)	TACK COAT	COLD PLANE AC PAVEMENT	IMPORTED MATERIAL (SHOULDER BACKING)	REMARKS
FROM	TO	LF	STA	TON		SQYD		
17.88	23.34						1255	
17.88	17.91			51.2	0.2	142		MILL CREEK
17.91	18.01			117.6	0.5			
18.02				15.0	0.1	55		NASH MILL RD
18.01	18.99			1152.5	5.3			
18.99	20.13			1340.7	6.1			
19.00				12.2	0.1	50		MONTE BLOYD RD-130A
19.07 R†		450						
19.07 L†		450						
19.70	19.90		11					
20.13	21.26			1328.9	6.1			
20.15				14.6	0.1	75		PHILO GREENWOOD RD-132
20.45	21.30		45					
21.26	22.90			1753.4	8.0			
22.42	22.88		24					
22.90				10.6	0.1	50		RAYS RD-131
22.90	22.97			82.4	0.4			
22.97	23.04			142.4	0.7			
23.04				15.2	0.1	50		PHILO SCHOOL RD-130
23.04	23.06			40.8	0.2			
23.06	23.13			82.4	0.4			
23.13	23.23			117.6	0.5			
23.23	23.34			141.2	0.6			
23.34						124		INDIAN CREEK
TOTAL		900	80	6418.7	29.5	546	1255	

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION PM	LOCATION ORIENTATION	TYPE/LEGEND	SQ FT	REMARKS
18.00	FSBT	LIMIT LINE	36	NASH MILL RD
19.00	FSBT	STOP	22	NASH MILL RD
19.00	FNBT	LIMIT LINE	30	MONTE BLOYD RD 130A
19.00	FNBT	STOP	22	MONTE BLOYD RD 130A
20.15	FNBT	LIMIT LINE	37	PHILO GREENWOOD RD-132
20.15	FNBT	STOP	22	PHILO GREENWOOD RD-132
22.90	FNBT	STOP	22	RAYS RD - 131
22.90	FNBT	LIMIT LINE	14	RAYS RD - 131
23.04	FSBT	LIMIT LINE	35	PHILO SCHOOL RD
		TOTAL	240	

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION (PM) FROM	LOCATION (PM) TO	DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE 4" SOLID WHITE	THERMOPLASTIC TRAFFIC STRIPE 4" SOLID YELLOW	THERMOPLASTIC TRAFFIC STRIPE 4" YELLOW BROKEN (36-12)	PAVEMENT MARKER RETROREFLECTIVE TYPE D YELLOW (TWO WAY)	PAVEMENT MARKER RETROREFLECTIVE TYPE H CLEAR (ONE WAY)	REMARKS
FROM	TO		LF				EA		
17.90	18.01	27B	581	581					MILL CREEK 10-73
17.90	18.01	22	581		1162		50		
17.90	18.99	27B	5755	5755					
18.02		22	33		66		5		NASH MILL RD
18.02	18.44	22	2218		4436		187		
18.04	23.38	27B	28195	28195					
18.44	18.64	19L	1056		1056	1056	23	45	
18.64	18.68	6	211			211	5		
18.68	18.83	19R	792		792	792	18	34	
18.83	18.86	6	158			158	4		
18.87	18.99	19L	634		634	634	14	27	
19.00		22	30		60		5		MONTE BLOYD RD 130A
19.00	19.03	19L	158		158	158	4	8	
19.02	20.13	27B	5861	5861					
19.03	19.23	6	1056			1056	23		
19.23	19.43	19R	1056		1056	1056	23	45	
19.43	20.14	22	3749		7498		314		
20.15		22	45		90		6		PHILO GREENWOOD RD-132
20.15	21	27B	4488	4488					
20.16	22.90	22	14467		28934		1208		
21.00	22.00	27B	5280	5280					
22.00	22.90	27B	4752	4752					
22.90		22	30		60		5		RAYS RD - 131
22.91	23.03	27B	634	634					
22.91	23.38	22	2482		4964		209		
23.04		22	30		60		5		PHILO SCHOOL RD -130
23.04	23.38	27B	1795	1795					INDIAN CREEK 10-67
			SUBTOTAL	57341	51026		2108	159	
			TOTAL	108367		5121	2267		

NOTE: WHEN DETAIL 19 IS SHOWN ON THE PLANS, THE SOLID BARRIER SHALL BE PLACED ON THE SIDE DESIGNATED (R=RIGHT, L=LEFT) AS POSTMILES INCREASE.

THERMOPLASTIC PAVEMENT MARKING

LOCATION PM	LOCATION ORIENTATION	TYPE/LEGEND	SQ FT	REMARKS
18.00	FSBT	LIMIT LINE	36	NASH MILL RD
19.00	FSBT	STOP	22	NASH MILL RD
19.00	FNBT	LIMIT LINE	30	MONTE BLOYD RD 130A
19.00	FNBT	STOP	22	MONTE BLOYD RD 130A
20.15	FNBT	LIMIT LINE	37	PHILO GREENWOOD RD-132
20.15	FNBT	STOP	22	PHILO GREENWOOD RD-132
22.90	FNBT	STOP	22	RAYS RD - 131
22.90	FNBT	LIMIT LINE	14	RAYS RD - 131
23.04	FSBT	LIMIT LINE	35	PHILO SCHOOL RD
		TOTAL	240	

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Chris Ghidinelli
CHECKED BY: Curtis D. Coburn
REVISED BY / DATE REVISED

LAST REVISION 12-09-10 | DATE PLOTTED => 01-MAR-2011 | TIME PLOTTED => 10:35

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	128	17.9/23.3	5	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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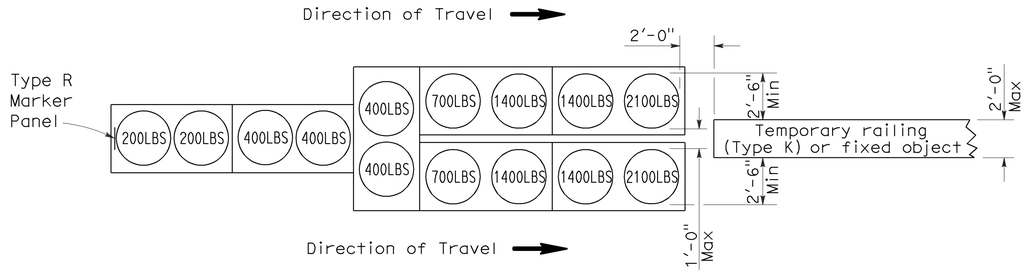
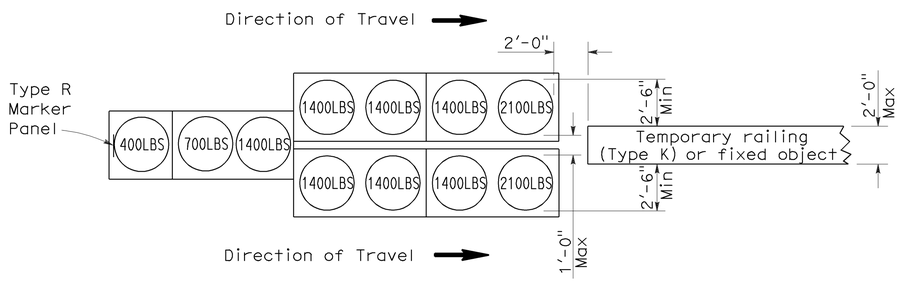
To accompany plans dated January 31, 2011



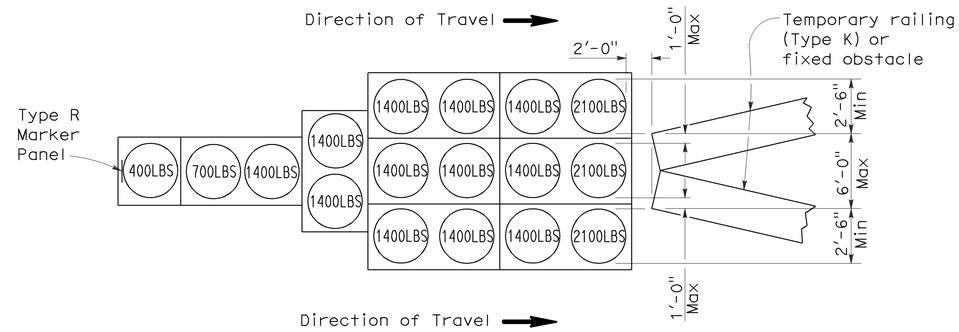
ARRAY 'TU14'

Approach speed 45 mph or more



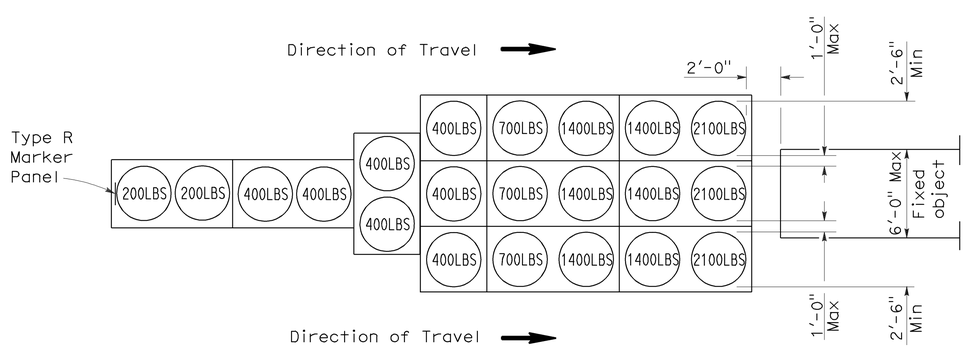
ARRAY 'TU11'

Approach speed less than 45 mph



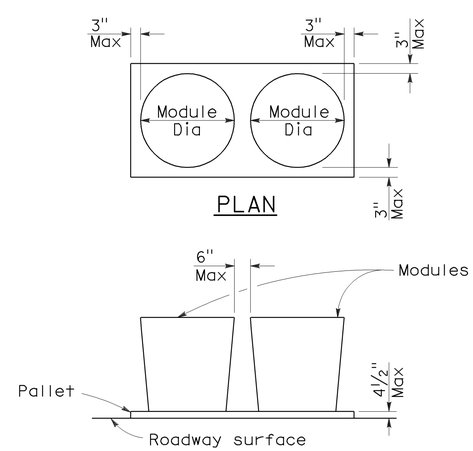
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



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 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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	128	17.9/23.3	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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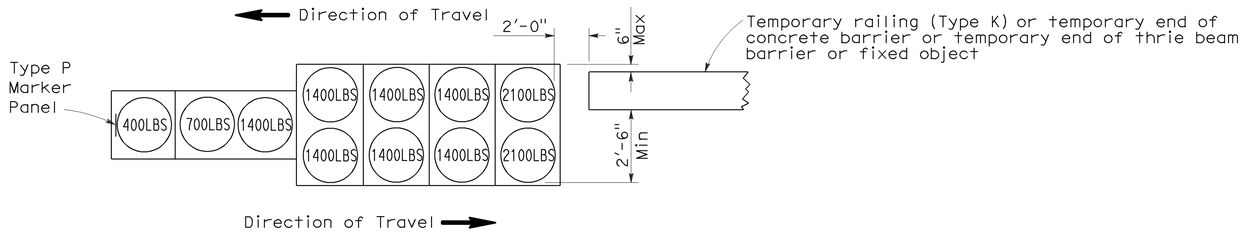
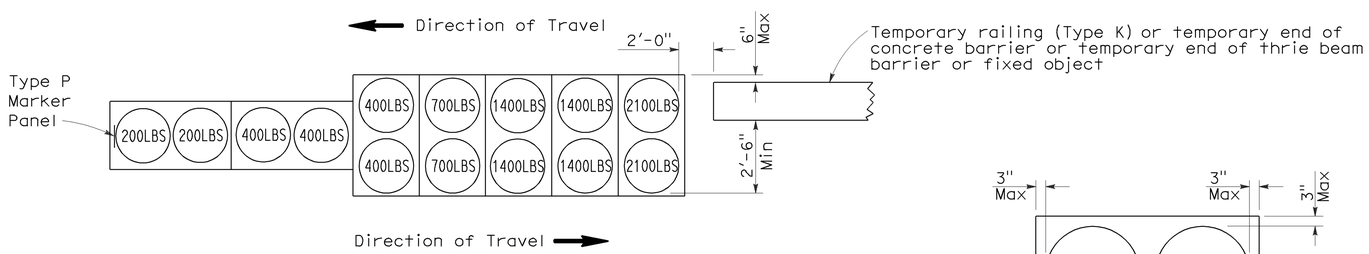
To accompany plans dated January 31, 2011



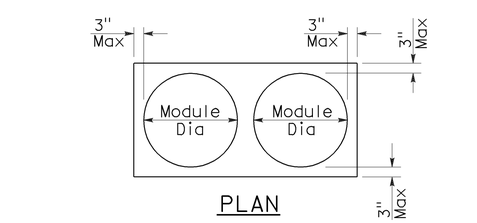
ARRAY 'TB11'

Approach speed less than 45 mph

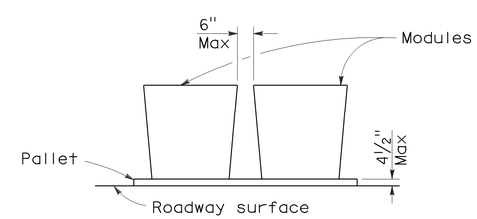


ARRAY 'TB14'

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
01	Men	128	17.9/23.3	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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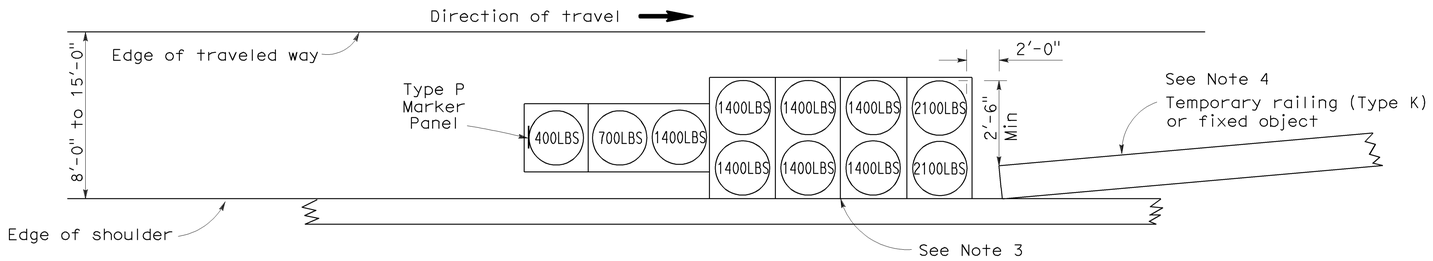
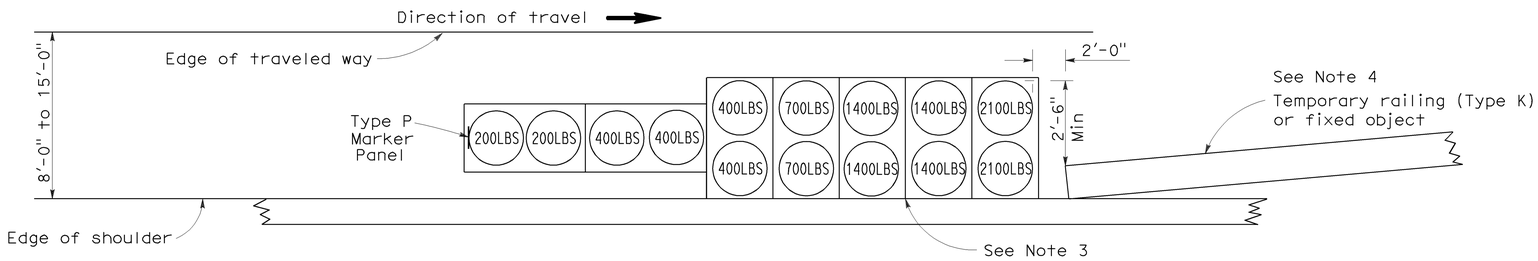
To accompany plans dated January 31, 2011



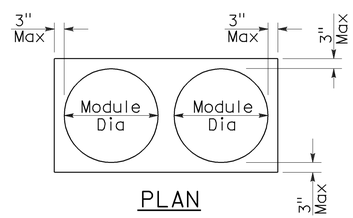
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

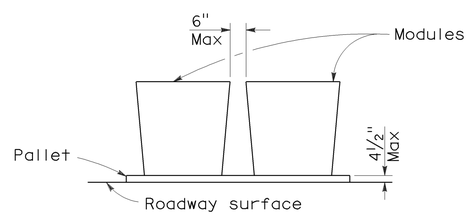


ARRAY 'TS14'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	128	17.9/23.3	8	8

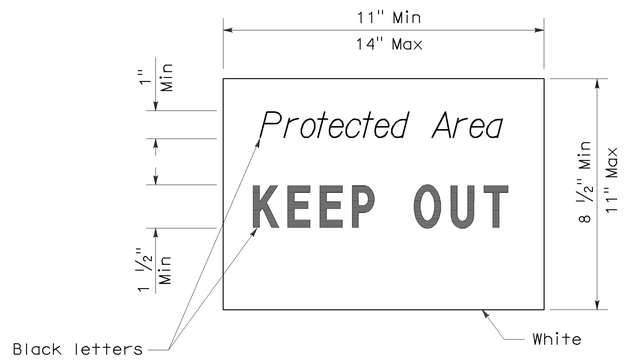
Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Robert B. Schot 3695
Robert B Schott
Signature
11-30-10
Renewal Date
2-25-09
Date
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

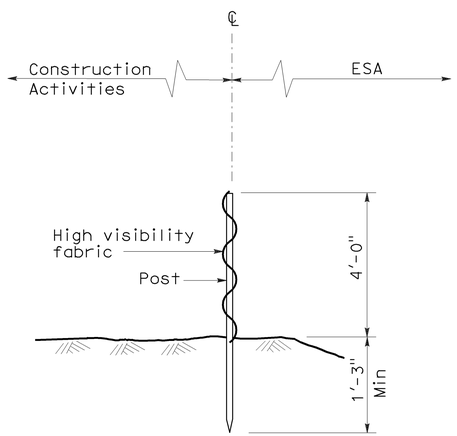
To accompany plans dated January 31, 2011



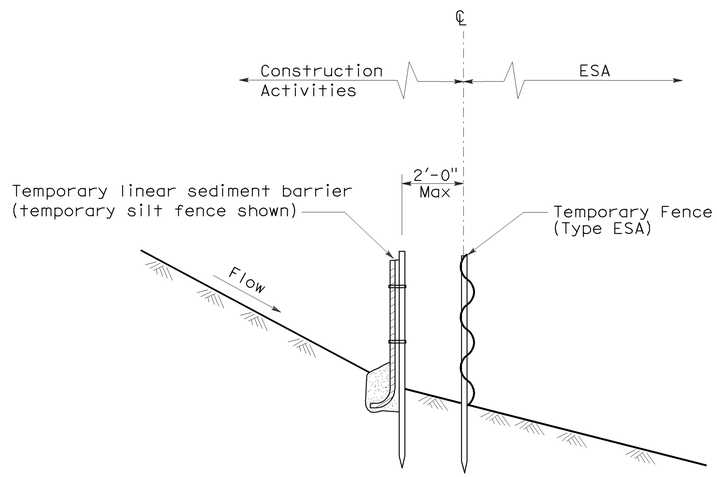
SIGN DETAIL

NOTE:

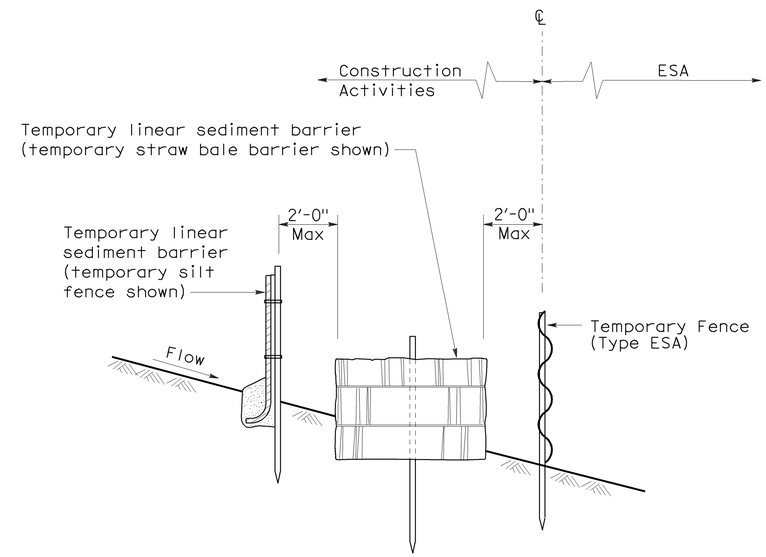
1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.



SECTION
TEMPORARY FENCE (TYPE ESA)



SECTION
PLACEMENT DETAIL
FOR TEMPORARY LINEAR SEDIMENT BARRIER
USED WITH TEMPORARY
FENCE (TYPE ESA)
(See Note 1)



SECTION
PLACEMENT DETAIL
FOR TEMPORARY SILT FENCE
AND TEMPORARY STRAW BALE BARRIER
USED WITH TEMPORARY FENCE (TYPE ESA)
(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS [TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T65

2006 NEW STANDARD PLAN NSP T65

1-7-09