ACNH-Q101(171)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3 R97.5/100.7	1	15

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION
3-5	CONSTRUCTION DETAILS
6-7	CONSTRUCTION AREA SIGNS
8-11	PAVEMENT DELINEATION QUANTITIES
12	SUMMARY OF QUANTITIES
13-15	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

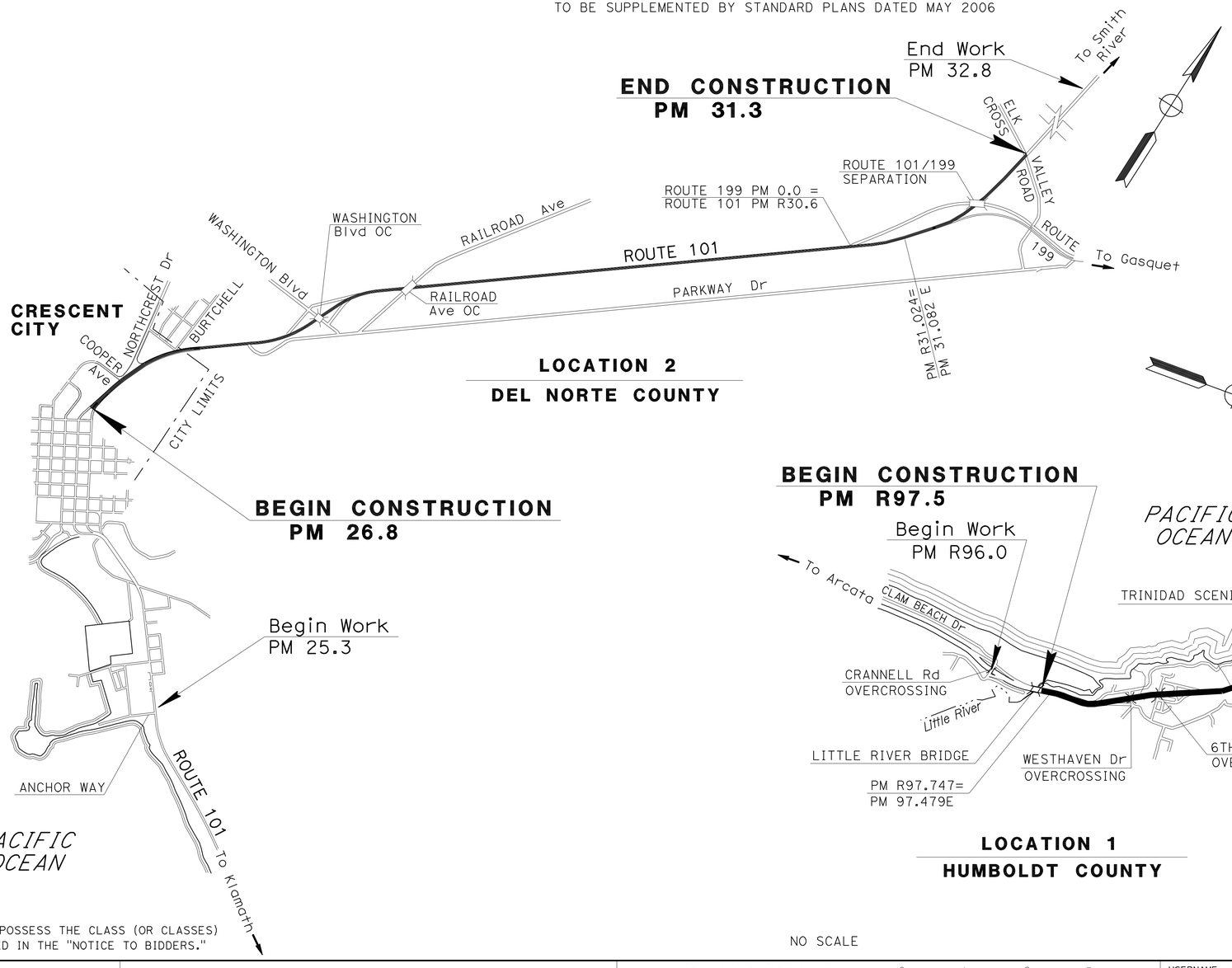
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN DEL NORTE AND HUMBOLDT COUNTIES NEAR CRESCENT CITY FROM 0.1 MILE SOUTH OF COOPER AVENUE TO 0.1 MILE NORTH OF ELK VALLEY CROSS ROAD AND NEAR TRINIDAD FROM LITTLE RIVER BRIDGE TO TRINIDAD UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



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

NO SCALE

Curtis D. Coburn 4/5/2010
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

April 5, 2010
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. 01-490504

PROJECT MANAGER: R.B. McCarthy
DESIGN ENGINEER: R.B. McCarthy

LAST REVISION: DATE PLOTTED => 06-APR-2010 TIME PLOTTED => 10:47 00-00-00

BORDER LAST REVISED 8/1/2008 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => t1donh DGN FILE => 149050ab001.dgn | CU 01601 | EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	2	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

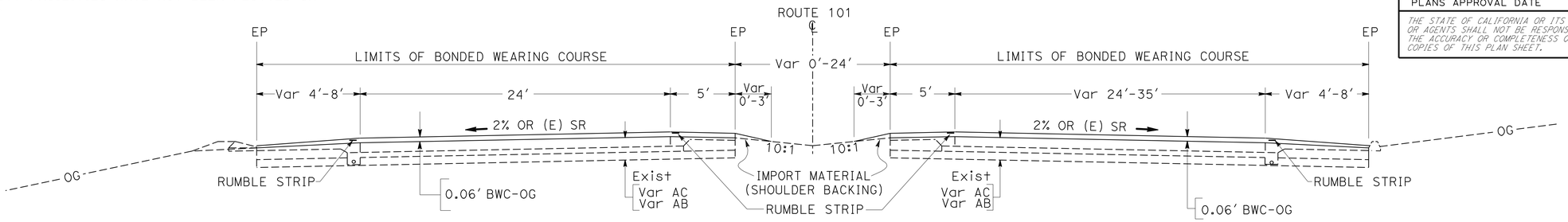
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

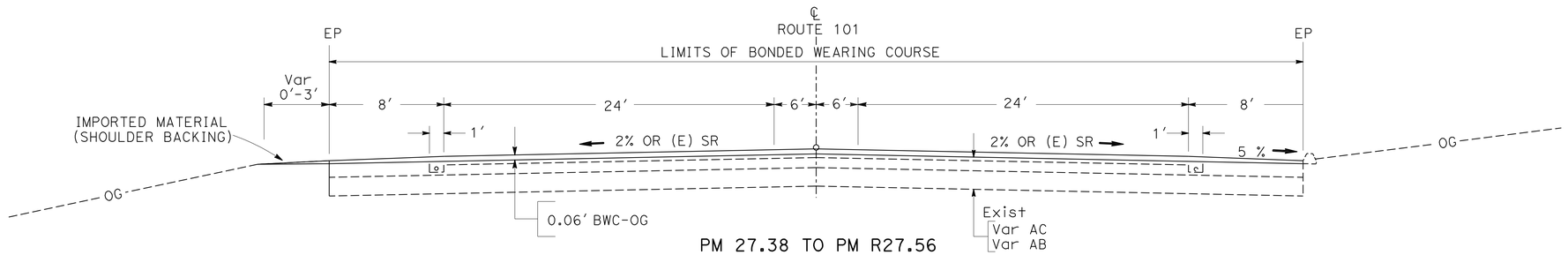
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

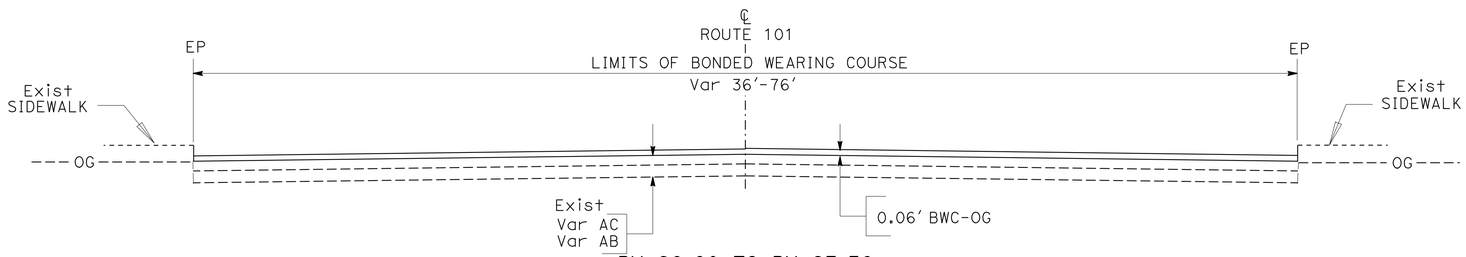
SR = SUPERELEVATION RATE
BWC-OG = BONDED WEARING COURSE - OPEN GRADED



PM R27.56 TO PM 31.27

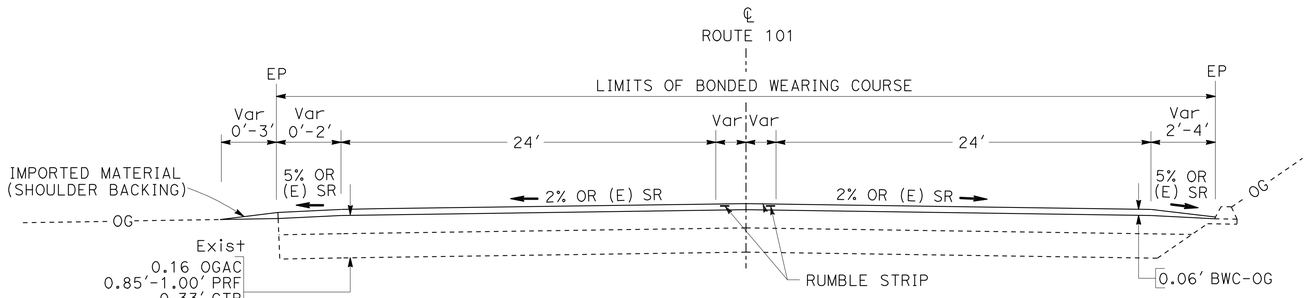


PM 27.38 TO PM R27.56



PM 26.80 TO PM 27.38

LOCATION 2



PM R97.53 TO PM 100.71

LOCATION 1

TYPICAL CROSS SECTIONS X-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Chris Ghidinelli
CHECKED BY: Curtis Coburn
REVISED BY | DATE REVISED

LAST REVISION: 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => t1danh
DGN FILE => 149050ca001.dgn
CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	3	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
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.

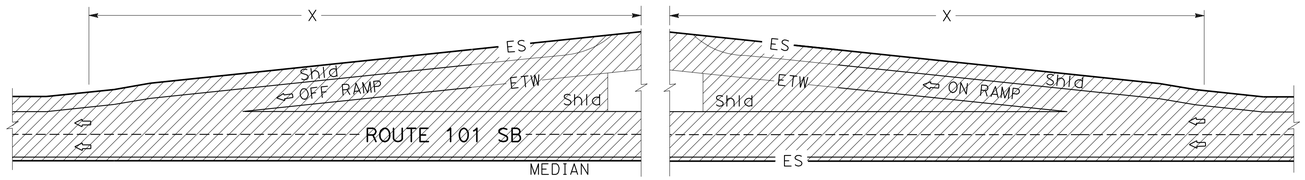
NOTE

EXACT LOCATIONS DETERMINED BY THE ENGINEER.

LEGEND

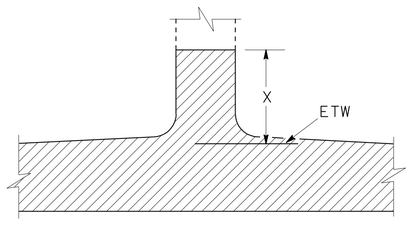
LIMITS OF SURFACING

COLD PLANE AC PAVEMENT



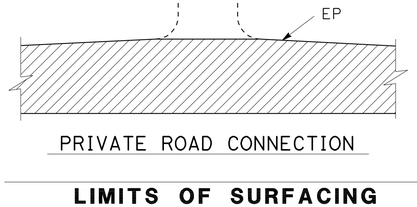
RAMP CONNECTION

LOCATION	PM	X FT
SB ON RAMP WESTHAVEN Dr	97.77	500
NB OFF RAMP WESTHAVEN Dr	98.00	264
NB OFF RAMP SIXTH St	98.47	370
SB ON RAMP SIXTH St	98.51	500
NB ON RAMP SIXTH St	98.58	475
SB OFF RAMP SIXTH St	98.59	211
SB ON RAMP TRINIDAD	100.64	281
NB OFF RAMP TRINIDAD	100.64	316
SB OFF RAMP WASHINGTON Blvd	R28.05 Lt	475
NB ON RAMP WASHINGTON Blvd	R28.07 Rt	1200
SB OFF RAMP ROUTE 199	R30.31 Lt	2400
NB OFF RAMP ROUTE 199	R30.63 Rt	950



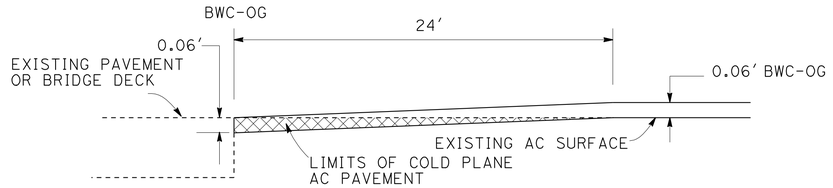
PUBLIC ROAD CONNECTION

LOCATION	PM	X FT
COOPER Ave	26.90 Lt	48
NORTHCREST Dr	27.01 Lt	200
WILLIAM Dr	27.15 Rt	15
WILSON	27.18 Lt	25
BURTCHELL	27.19 Lt	30
PARKWAY Dr	R27.56 Lt	58
ELK VALLEY CROSSROAD	31.19 Lt	24
ELK VALLEY CROSSROAD	31.19 Rt	24



PRIVATE ROAD CONNECTION

LIMITS OF SURFACING



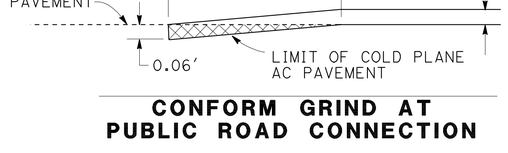
LOCATION 1

PM R97.53 LITTLE RIVER BRIDGE
PM 98.06 WESTHAVEN UC
PM 98.09 WESTHAVEN UC
PM 100.70 TRINIDAD ROAD UC

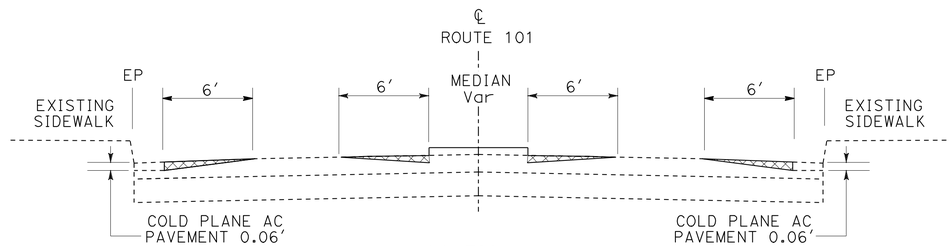
LOCATION 2

PM 26.81
PM 31.19

PAVING CONFORM

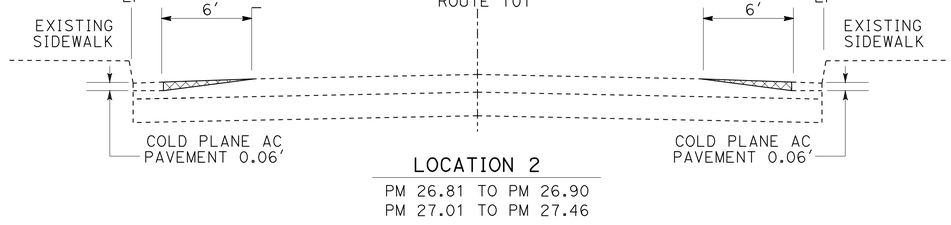


CONFORM GRIND AT PUBLIC ROAD CONNECTION



LOCATION 2
PM 26.90 TO PM 27.01

PAVING CONFORM AT SIDEWALKS AND MEDIAN



LOCATION 2
PM 26.81 TO PM 26.90
PM 27.01 TO PM 27.46

PAVING CONFORM AT SIDEWALKS

CONSTRUCTION DETAILS C-1

NO SCALE

REVISED BY | DATE REVISED
Chris Ghidinelli | Curtis Coburn
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: R.B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => t1donh
DGN FILE => 149050ga001.dgn
CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	4	15

Ralph M. Martinelli 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
R.M.MARTINELLI
No. 51685
Exp 6-30-10
CIVIL
STATE OF CALIFORNIA

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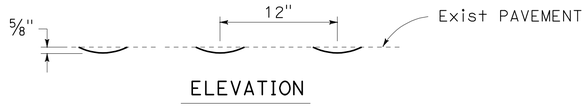
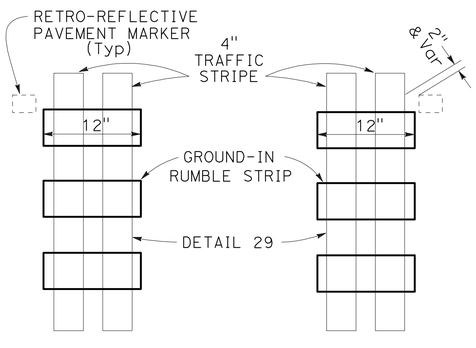
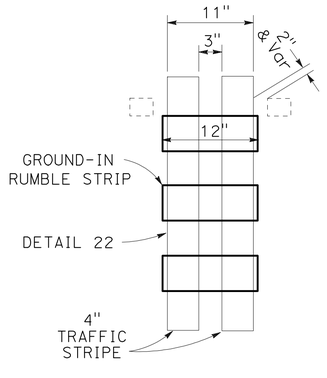


ELEVATION

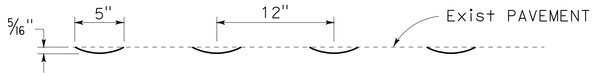


PLAN

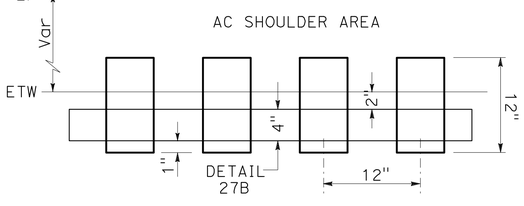


PLAN

CENTERLINE RUMBLE STRIP



ELEVATION



DIRECTION OF TRAVEL

PLAN

SHOULDER RUMBLE STRIP

CONSTRUCTION DETAILS C-2

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: Mark Suchanek
CALCULATED-DESIGNED BY: Ralph Martinelli
CHECKED BY:
REVISED BY:
DATE REVISED:

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => t1donh
DGN FILE => 149050ga002.dgn
CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	5	15

Ralph M. Martinelli 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
R.M.MARTINELLI
No. 51685
Exp 6-30-10
CIVIL
STATE OF CALIFORNIA

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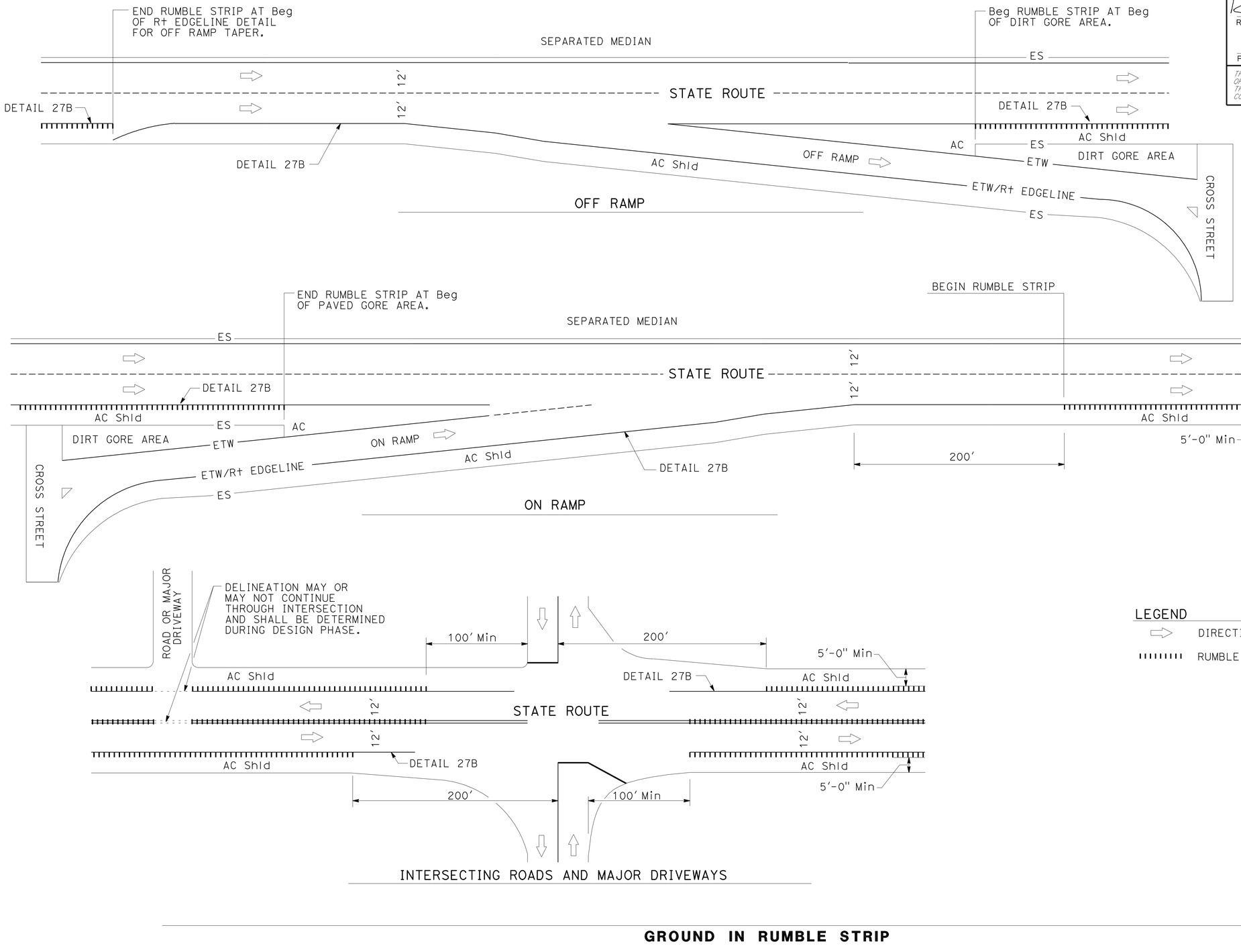

LEGEND

⇨ DIRECTION OF TRAVEL

RUMBLE STRIP (GROUND-IN)

GROUND IN RUMBLE STRIP

CONSTRUCTION DETAILS C-3

NO SCALE

REVISED BY: Ralph Martinelli
DATE REVISED:
CALCULATED-DESIGNED BY: Ralph Martinelli
CHECKED BY:
FUNCTIONAL SUPERVISOR: Mark Suchanek

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC SAFETY

LAST REVISION | DATE PLOTTED => 06-APR-2010
00-00-00 | TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => †1donh
DGN FILE => 149050ga003.dgn

CU 01601

EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	6	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

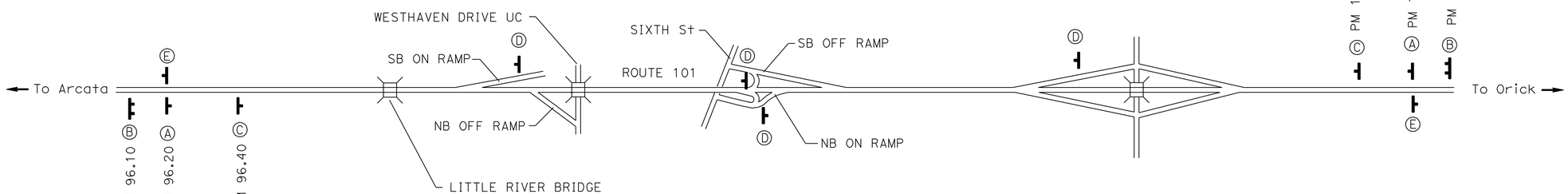
SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCHES)	NUMBER OF POSTS AND SIZE (INCHES)	NUMBER OF SIGNS
Ⓐ	G20-1	ROAD WORK NEXT 5 MILES	48x48	1 - 6x6	5
	C23B(CA)	RESURFACING	52x12		
Ⓑ	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144x60	2 - 6x6	5
Ⓒ	W16-1	SHARE THE ROAD	24x30	1 - 4x6	5
	W11-1	BICYCLE SYMBOL	36x36		
Ⓓ	W20-1	ROAD WORK AHEAD	36x36	1 - 4x4	32
Ⓔ	G20-2	END ROAD WORK	36x18	1 - 4x4	5

NOTES:

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

C23B(CA)
52"x12"
4" CAPS
BLACK/ORANGE

RESURFACING



LOCATION 1

CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Chris Ghidinelli
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED
LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => t1donh
DGN FILE => 1490501a001.dgn
CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	7	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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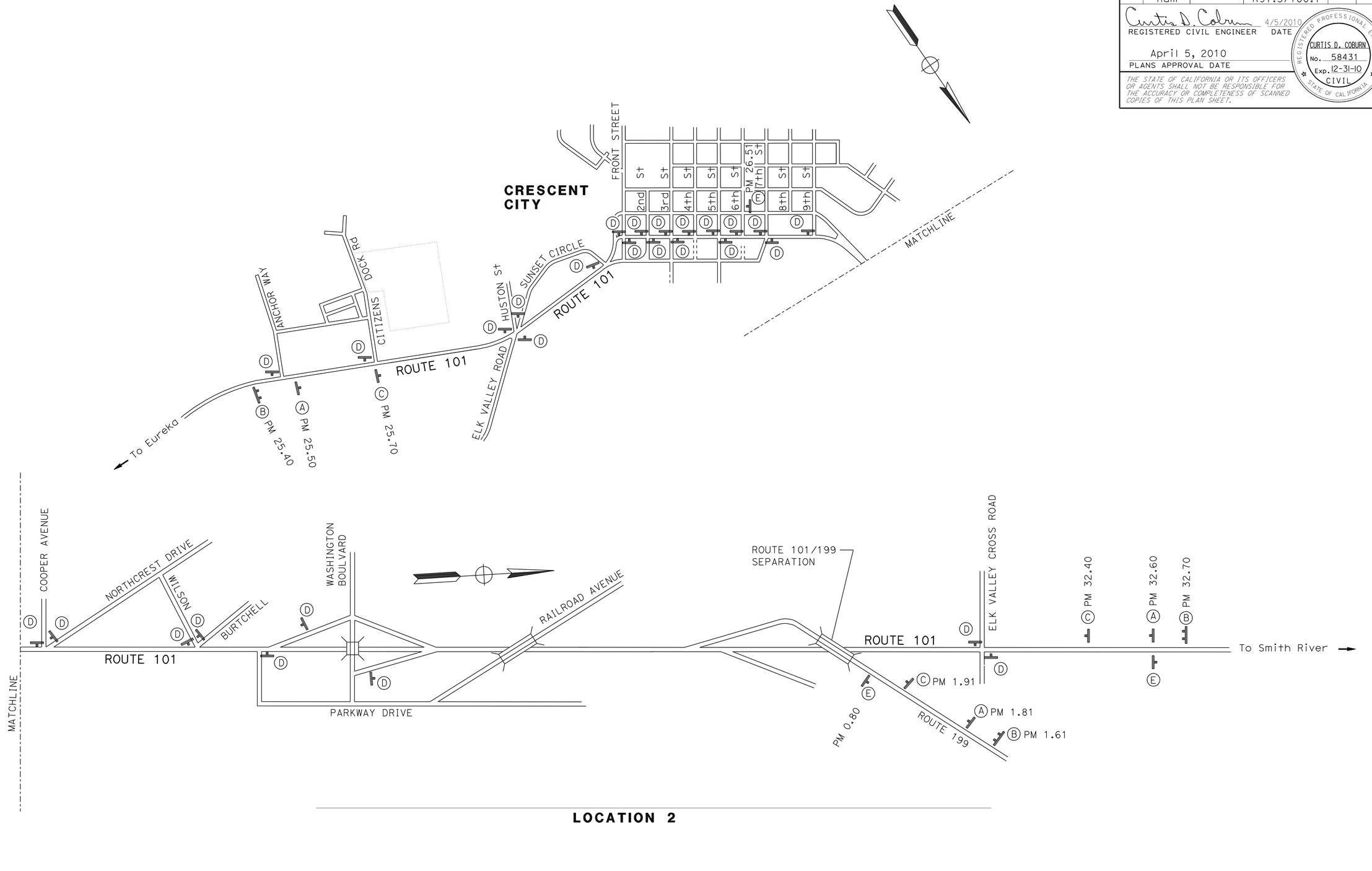

LOCATION 2

CONSTRUCTION AREA SIGNS
CS-2

NO SCALE

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

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => t1donh
DGN FILE => 1490501a002.dgn
CU 01601
EA 490501

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	LT/RT MEDIAN	ORIENTATION	TYPE/LEGEND	AREA SQFT	REMARKS
LOCATION 1					
98.00		FNBT	STOP	22	NB OFF RAMP WESTHAVEN DR
98.01		FNBT	AHEAD	31	NB OFF RAMP WESTHAVEN DR
100.64		FNBT	STOP	22	NB OFF RAMP TRINIDAD
100.65		FNBT	AHEAD	31	NB OFF RAMP TRINIDAD
LOCATION 2					
26.88	R+	FNBT	TYPE III (L) ARROW	42	
26.91	R+	FNBT	2- TYPE V ARROWS	84	
26.91	R+	FNBT	TYPE III (L) ARROW	42	
26.92		FSBT/FNBT	CROSSWALK	145	COOPER AVENUE
26.92		FWBT	CROSSWALK	33	COOPER AVENUE
26.92		FEBT	CROSSWALK	33	COOPER AVENUE
26.93	L+	FSBT	LIMIT LINE	48	
26.94	R+	FNBT	2-TYPE III (L) ARROWS	84	
26.94	L+	FSBT	TYPE III (L) ARROW	42	
26.94	L+	FSBT	2-TYPE V ARROWS	84	
26.94	L+	FSBT	TYPE II (R) ARROW	45	
26.98	R+	FNBT	2-TYPE III (L) ARROWS	84	
27.00	R+	FNBT	2-TYPE III (L) ARROWS	84	
27.00	R+	FNBT	2-TYPE V ARROWS	84	
27.00	L+	FEBT	CROSSWALK	54	NORTHCREST DRIVE
27.01		FSBT/FNBT	CROSSWALK	145	NORTHCREST DRIVE
27.02	L+	FSBT	2-TYPE V ARROWS	84	
27.02	L+	FSBT	TYPE III (L) ARROW	42	
27.02	L+	FWBT	CROSSWALK	22	NORTHCREST DRIVE
27.04	L+	FSBT	2-AHEAD LEGENDS	62	
27.05		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.05	L+	FSBT	2-SIGNAL LEGENDS	64	
27.10		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.14	R+	FWBT	LIMIT LINE	22	
27.14	R+	FWBT	STOP	22	
27.15	R+	FWBT	LIMIT LINE	11	WILLIAMS DRIVE
27.20		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.20	L+	FEBT	LIMIT LINE	22	WILSON STREET
27.20	L+	FEBT	STOP	22	
27.23	L+	FEBT	LIMIT LINE	22	BURTCHELL STREET
27.23	L+	FEBT	STOP	22	
27.29	R+	FNBT	45	20	
27.33		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.36	R+	FWBT	LIMIT LINE	11	
27.36	R+	FWBT	STOP	22	
27.45		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
R27.49	R+	FNBT	2-TYPE V ARROWS	84	
R27.53	R+	FNBT	2-TYPE V ARROWS	84	
R27.53	R+	FNBT	TYPE III (R) ARROW	42	
R27.56	R+	FNBT	2-TYPE V ARROWS	84	
R27.56	R+	FNBT	ISLAND	157	
R27.56	R+	FNBT	LIMIT LINE	11	PARKWAY DRIVE
R27.56	R+	FNBT	STOP	22	
R27.58	L+	FSBT	2-TYPE V ARROWS	84	
R27.58	L+	FSBT	TYPE III (L) ARROW	42	
R27.60	L+	FSBT	2-TYPE V ARROWS	84	
R27.63	R+	FNBT	TYPE VI (L) ARROW	42	
31.12	L+	FSBT	TYPE VI (R) ARROW	42	
31.12	L+	FSBT	TYPE VI (L) ARROW	42	
31.18	R+	FNBT	2-TYPE V ARROWS	84	
31.18	R+	FNBT	TYPE III (R) ARROW	42	
31.19	R+	FNBT	TYPE III (L) ARROW	42	
31.19	R+	FNBT	2-TYPE V ARROWS	84	ELK VALLEY CROSS RD
31.19	R+	FNBT	ISLAND	317.58	
31.19	L+	FSBT	STOP SIGN	45.56	
32.20	R+	FNBT	STOP SIGN	40.87	
32.22	L+	FSBT	ISLAND	151.42	
32.22	L+	FNBT	TYPE III (L) ARROW	42	
32.22	L+	FNBT	2-TYPE V ARROWS	84	ELK VALLEY CROSS RD
		TOTAL		3882	

THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	LT/RT MEDIAN	ORIENTATION	TYPE/LEGEND	AREA SQFT	REMARKS
LOCATION 1					
98.00		FNBT	STOP	22	NB OFF RAMP WESTHAVEN DR
98.01		FNBT	AHEAD	31	NB OFF RAMP WESTHAVEN DR
100.64		FNBT	STOP	22	NB OFF RAMP TRINIDAD
100.65		FNBT	AHEAD	31	NB OFF RAMP TRINIDAD
LOCATION 2					
26.88	R+	FNBT	TYPE III (L) ARROW	42	
26.91	R+	FNBT	2- TYPE V ARROWS	84	
26.91	R+	FNBT	TYPE III (L) ARROW	42	
26.92		FSBT/FNBT	CROSSWALK	145	COOPER AVENUE
26.92		FWBT	CROSSWALK	33	COOPER AVENUE
26.92		FEBT	CROSSWALK	33	COOPER AVENUE
26.93	L+	FSBT	LIMIT LINE	48	
26.94	R+	FNBT	2-TYPE III (L) ARROWS	84	
26.94	L+	FSBT	TYPE III (L) ARROW	42	
26.94	L+	FSBT	2-TYPE V ARROWS	84	
26.94	L+	FSBT	TYPE II (R) ARROW	45	
26.98	R+	FNBT	2-TYPE III (L) ARROWS	84	
27.00	R+	FNBT	2-TYPE III (L) ARROWS	84	
27.00	R+	FNBT	2-TYPE V ARROWS	84	
27.00	L+	FEBT	CROSSWALK	54	NORTHCREST DRIVE
27.01		FSBT/FNBT	CROSSWALK	145	NORTHCREST DRIVE
27.02	L+	FSBT	2-TYPE V ARROWS	84	
27.02	L+	FSBT	TYPE III (L) ARROW	42	
27.02	L+	FWBT	CROSSWALK	22	NORTHCREST DRIVE
27.04	L+	FSBT	2-AHEAD LEGENDS	62	
27.05		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.05	L+	FSBT	2-SIGNAL LEGENDS	64	
27.10		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.14	R+	FWBT	LIMIT LINE	22	
27.14	R+	FWBT	STOP	22	
27.15	R+	FWBT	LIMIT LINE	11	WILLIAMS DRIVE
27.20		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.20	L+	FEBT	LIMIT LINE	22	WILSON STREET
27.20	L+	FEBT	STOP	22	
27.23	L+	FEBT	LIMIT LINE	22	BURTCHELL STREET
27.23	L+	FEBT	STOP	22	
27.29	R+	FNBT	45	20	
27.33		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
27.36	R+	FWBT	LIMIT LINE	11	
27.36	R+	FWBT	STOP	22	
27.45		FSBT/FNBT	2-TYPE III (L) ARROWS	84	
R27.49	R+	FNBT	2-TYPE V ARROWS	84	
R27.53	R+	FNBT	2-TYPE V ARROWS	84	
R27.53	R+	FNBT	TYPE III (R) ARROW	42	
R27.56	R+	FNBT	2-TYPE V ARROWS	84	
R27.56	R+	FNBT	ISLAND	157	
R27.56	R+	FNBT	LIMIT LINE	11	PARKWAY DRIVE
R27.56	R+	FNBT	STOP	22	
R27.58	L+	FSBT	2-TYPE V ARROWS	84	
R27.58	L+	FSBT	TYPE III (L) ARROW	42	
R27.60	L+	FSBT	2-TYPE V ARROWS	84	
R27.63	R+	FNBT	TYPE VI (L) ARROW	42	
31.12	L+	FSBT	TYPE VI (R) ARROW	42	
31.12	L+	FSBT	TYPE VI (L) ARROW	42	
31.18	R+	FNBT	2-TYPE V ARROWS	84	
31.18	R+	FNBT	TYPE III (R) ARROW	42	
31.19	R+	FNBT	TYPE III (L) ARROW	42	
31.19	R+	FNBT	2-TYPE V ARROWS	84	ELK VALLEY CROSS RD
31.19	R+	FNBT	ISLAND	317.58	
31.19	L+	FSBT	STOP SIGN	45.56	
32.20	R+	FNBT	STOP SIGN	40.87	
32.22	L+	FSBT	ISLAND	151.42	
32.22	L+	FNBT	TYPE III (L) ARROW	42	
32.22	L+	FNBT	2-TYPE V ARROWS	84	ELK VALLEY CROSS RD
		TOTAL		3882	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	8	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: Chris Ghidinelli
CHECKED BY: Curtis Coburn

FUNCTIONAL SUPERVISOR: R.B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

PAVEMENT DELINEATION QUANTITIES
PDQ-1

LAST REVISION: DATE PLOTTED => 06-APR-2010
00-00-00 TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => t1donh
DGN FILE => 149050nc001.dgn

CU 01601

EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	9	15

Curtis D. Coburn 4/5/2010
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TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION (PM)		DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE			PAINT (1-COAT) WHITE	PAVEMENT MARKER (RETROREFLECTIVE)			PAVEMENT MARKER (NON-REFLECTIVE)	REMARKS
				8 INCH SOLID WHITE	4 INCH SOLID WHITE	4 INCH SOLID YELLOW		TYPE D YELLOW (TWO WAY)	TYPE G CLEAR (ONE WAY)	TYPE H CLEAR (ONE WAY)	TYPE A WHITE	
FROM	TO		LF					EA				
LOCATION 1												
97.48	97.70	27B	1162			2746		116				
97.48	97.72	22	1373									
97.48	97.86	27B	3100		3100							
97.48	100.70	11/13	17107				17107		357		1428	
97.48	100.70	11/13	17107				17107		357		1428	
R97.53	R97.75	27B	1162		1162							
R97.53	R97.75	27B	1162		1162							
R97.53	R97.75	22	1162		1162	2324		99				
R97.53	R97.75	11/13	1162				1162		25		99	
R97.53	R97.75	11/13	1162				1162		25		99	
97.72	100.70	29	15734			62936		1313				
97.77	97.81	36A	215	215	285				10			SB ON RAMP WESTHAVEN Dr
97.78	98.37	27B	3115		3115							
98.00	98.06	36	324	648					28			NB OFF RAMP WESTHAVEN Dr
98.01	98.36	27B	1848		1848							
98.47	98.52	36	288	576					25			NB OFF RAMP SIXTH St
98.49	98.56	27B	370		370							
98.50	98.60	27B	528		528							
98.51	98.55	36A	215	215	285				10			SB ON RAMP SIXTH St
98.58	98.60	36A	125	125	140				6			NB ON RAMP SIXTH St
98.59	98.63	36	210	420					19			SB OFF RAMP SIXTH St
98.60	100.56	27B	10349		10349							
98.75	100.51	27B	9293		9293							
100.64	100.66	36A	100	100	181				5			SB ON RAMP TRINIDAD
100.64	100.69	36	270	540					24			NB OFF RAMP TRINIDAD
100.68	100.71	27B	158		158							
100.68	100.71	27B	158		158							
LOCATION 2												
26.81	26.89	11/13	422				422		10		36	
26.81	26.89	11/13	422				422		10		36	
26.81	26.89	32	422			1688		46				
26.81	26.89	38	422	422					14			
26.86	26.89	11/13	158				158		4		14	
26.90		21	50			100						COOPER Ave
26.91	27.00	11/13	475				475		11		41	
26.91	27.00	11/13	475				475		11		41	
26.91	26.92	38	100	100					4			
26.91	27.00	29	475			1900		42				
26.96	27.00	38	211	211					10			
26.96	27.00	38	211	211					10			
26.91	27.00	11/13	475				475		11		41	
27.01		21	200			400						NORTHCREST Dr
27.01		38A	200	200								NORTHCREST Dr
27.01		38A	200	200								NORTHCREST Dr
27.01		29	200			800		19				NORTHCREST Dr
27.02	31.18	11/13	21965				21965		459		1831	
27.02	27.04	38	106	106					5			
27.02	27.04	29	106			424		11				
27.02	27.55	11/13	2798				2798		59		234	
27.03	27.04	36	35	70					4			
27.04												BREAK FOR LEFT TURN LANE
27.04	27.51	32	2482			9928		261				
27.15		21	7			14						WILLIAMS Dr
27.22		21	26			52						WILSON St
27.25		21	30			60						BURTCHELL St
27.37	R28.04	27B	3538		3538							
27.47	R27.55	27B	370		370							
SUB TOTAL THIS SHEET				4359	34880	83372	63728	1907	1513		5328	

CALCULATED-DESIGNED BY
CHECKED BY
Chris Ghidinelli
Curtis Coburn
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
R.B. McCarthy
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

PAVEMENT DELINEATION QUANTITIES
PDQ-2

LAST REVISION
DATE PLOTTED => 06-APR-2010
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BORDER LAST REVISED 4/11/2008
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USERNAME => t1donh
DGN FILE => 149050nc002.dgn
CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	10	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION (PM) FROM	LOCATION (PM) TO	DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE 8 INCH SOLID WHITE	THERMOPLASTIC TRAFFIC STRIPE 4 INCH SOLID WHITE	THERMOPLASTIC TRAFFIC STRIPE 4 INCH SOLID YELLOW	PAINT (1-COAT) WHITE	PAVEMENT MARKER (RETROREFLECTIVE) TYPE D YELLOW (TWO WAY)	PAVEMENT MARKER (RETROREFLECTIVE) TYPE G CLEAR (ONE WAY)	PAVEMENT MARKER (RETROREFLECTIVE) TYPE H CLEAR (ONE WAY)	PAVEMENT MARKER (NON-REFLECTIVE) TYPE A WHITE	REMARKS
			LF					EA				
LOCATION 2												
R27.51	R27.55	29	211			844		20				
R27.53	R27.55	38	106	106					5			
R27.56		21	110			220						PARKWAY Dr
R27.57	R27.60	27	158			316				4		
R27.57	R27.69	38	634	634					27			
R27.60	R27.69	29	475			1900		42				
R27.57	R27.58	36A	33	33					2			
R27.58	R27.62	38	211	211					10			
R27.57	R31.18	11/13	19061				19061		398		1589	
R27.58	R27.62	27B	211									
R27.69	R31.02	25	17582			17582				367		
R27.70	R31.02	25	17582			17582				385		
31.08	31.18	25	528			528				12		
31.08	31.18	25	528			528				385		
R28.00		NONE										WASHINGTON Blvd
R28.00	R28.19	27B	1003									
R28.00	R28.04	25A	211			211				10		
R28.04	R28.09	36	264	528					23			
R28.00	R28.05	25A	264			264				12		
R28.00	R30.48	27B	13094		13094							
R28.05	R28.16	36A	581	33					2			
R28.16	R28.22	8	317		317							
R30.48	R30.68	27B	1056		1056							
R30.68												ROUTE 199 R†
R30.36												ROUTE 199 L†
R30.27	R30.30	8	158		158							
R28.19	R30.45	27B	11933		11933							
30.30	R30.36	36A	317	33					2			
R30.36	R30.42	25A	317			317				14		
R30.31	R31.02	27B	3749		3749							
31.08	31.18	27B	528		528							
R30.63	R30.68	36	264	528					23			
R30.68	R31.02	27B	1795		1795							
31.08	31.18	27B	528									
31.10	31.18	38	422	422					19			
R31.10	31.18	38	422	422					19			
31.10	31.18	38	422	422					19			
31.10	31.17	38	370	370					16			ELK VALLEY CROSS Rd
31.19		21	40			80						ELK VALLEY CROSS Rd
31.19		21	69			138						
31.21	31.22	38	53	53								
SUBTOTAL (THIS SHEET)				4359	34880	83372	63728	1907	1513		5328	
SUBTOTAL (PDQ-2)				3795	33158	40510	19061	62	565	1189	1589	
TOTAL				8154	191920		82789		5236		6917	

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
Chris Ghidinelli
Curtis Coburn
FUNCTIONAL SUPERVISOR
R.B. McCarthy
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

PAVEMENT DELINEATION QUANTITIES
PDQ-3

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => †1donh
DGN FILE => 149050nc003.dgn
CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	11	15

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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REMOVE THERMOPLASTIC TRAFFIC STRIPE

LOCATION (PM) FROM	LOCATION (PM) TO	DETAIL NUMBER	DETAIL LENGTH	8 INCH SOLID WHITE
			LF	
LOCATION 1				
97.77	97.81	36A	215	430
98.00	98.06	36	324	1296
98.47	98.52	36	288	1152
98.51	98.55	36A	215	430
98.58	98.60	36A	125	250
98.59	98.63	36	420	840
100.64	100.66	36A	100	200
100.64	100.69	36	270	1080
LOCATION 2				
26.81	26.89	38	422	844
26.91	26.92	38	100	200
26.96	27.00	38	211	422
26.96	27.00	38	211	422
27.01		38A	200	400
27.01		38A	200	400
27.02	27.04	38	106	212
27.03	27.04	36	35	140
R27.53	R27.55	38	106	212
R27.57	R27.69	38	634	1268
R27.57	R27.58	36A	33	66
R27.58	R27.62	38	211	422
R28.04	R28.09	36	264	1056
R28.05	R28.16	36A	581	66
R30.30	R30.36	36A	317	66
R30.63	R30.68	36	264	1056
31.10	31.18	38	422	844
31.10	31.18	38	422	844
31.10	31.18	38	422	844
31.10	31.17	38	370	740
31.21	31.22	38	53	106
			TOTAL	16308

CENTERLINE RUMBLE STRIP

LOCATION (PM) FROM	LOCATION (PM) TO	STA	REMARKS
LOCATION 1			
97.50	97.72	23	
97.72	98.06	36	MEDIAN
98.09	98.10	1	
98.10	98.41	33	
98.41	98.73	34	
98.73	100.70	208	
LOCATION 2			
R27.52	31.17	193	SB
R27.52	31.17	193	NB
	TOTAL	721	

SHOULDER RUMBLE STRIP

LOCATION (PM) FROM	LOCATION (PM) TO	STA	REMARKS
LOCATION 2			
R27.77	R28.11	18	SB
R28.20	R28.24	2	SB
R28.26	R30.26	106	SB
R30.39	R31.10	37	SB
R27.62	R28.07	24	NB
R28.18	R30.48	121	NB
R30.50	R30.57	4	NB
R30.64	R30.99	18	NB
	TOTAL	330	

PAVEMENT DELINEATION QUANTITIES
PDQ-4

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
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Curtis Coburn
FUNCTIONAL SUPERVISOR
R.B. McCarthy
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CU 01601
EA 490501

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.3, R97.5/100.7	12	15

Curtis D. Coburn 4/5/2010
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ROADWAY

LOCATION (PM) FROM	LOCATION (PM) TO	AVERAGE WIDTH	LENGTH	HOT MIX ASPHALT (BONDED WEARING COURSE)	ASPHALTIC EMULSION MEMBRANE (BONDED WEARING COURSE)	COLD PLANE ASPHALT CONCRETE PAVEMENT	REMARKS
		LF		TON		SQYD	
LOCATION 1							
R97.53						293	LITTLE RIVER Br 4-26
R97.53	R97.74	62	1108.8	348.02	7.00		MAINLINE
97.47	98.06	60	3115.2	946.24	19.03		MAINLINE
97.77	97.86	23	500	63.09	1.27	32	SB ON RAMP WESTHAVEN Dr
98.00	98.05	24	264	52.52	1.06	32	NB OFF RAMP WESTHAVEN Dr
98.06		59.5				159	WESTHAVEN UC 4 56
98.09		59.5				159	WESTHAVEN UC 4 56
98.09	100.7	67	13780.8	4674.28	94.00		MAINLINE
98.47	98.54	22	369.6	60.05	1.21	29	NB OFF RAMP SIXTH St
98.51	98.60	23	500	63.09	1.27	32	SB ON RAMP SIXTH St
98.58	98.67	20	475.2	54.44	1.09	29	NB ON RAMP SIXTH St
98.59	98.63	22	211.2	28.84	0.58	29	SB OFF RAMP SIXTH St
100.64	100.69	24	281	34.14	0.69	35	SB ON RAMP TRINIDAD
100.64	100.70	22	316.8	47.59	0.96	32	NB OFF RAMP TRINIDAD
100.70						181	TRINIDAD RD UC 4-58
LOCATION 2							
26.81	26.90					520	SIDEWALK CONFORM
26.81		90				240	
26.81	27.07	90	1373	625.57	12.58		
26.90 Lt		85	48	20.66	0.42	64	COOPER Ave
26.90	27.01					882	SIDEWALK/MEDIAN CONFORM
27.01	27.46					2935	SIDEWALK CONFORM
27.01 Lt		250	200	253.13	5.09	267	NORTHCREST Dr
27.07	27.10	82	158	65.59	1.32		
27.10	27.48	82	2006	832.74	16.75		
27.15 Rt		55	15	4.18	0.08	20	WILLIAM Dr
27.18 Lt	27.25	60	25	7.59	0.15	33	WILSON
27.19 Lt		60	30	9.11	0.18	40	BURTCHELL
R 27.48	R31.02	78	18691	7380.61	148.43		
R 27.56 Lt				179.21	3.60	155	PARKWAY Dr
R 27.56		78	19325	7630.96	153.46		
R 28.05 Lt		20	475	48.09	0.97	53	SB OFF RAMP WASHINGTON Blvd
R 28.07 Rt		20	1200	121.50	2.44	53	NB ON RAMP WASHINGTON Blvd
R 30.31Lt		20	2400	243.00	4.89	53	SB OFF RAMP ROUTE 199
R 30.63 Rt		20	950	96.19	1.93	53	
31.08	31.22	79	739	295.55	5.94		NB OFF RAMP ROUTE 199
31.19 Lt				212.63	4.28	53	ELK VALLEY CROSSROAD
31.19 Rt				364.50	7.33	53	ELK VALLEY CROSSROAD
31.19		80				213	
			TOTAL	17132.15	344.54	6729	

LEGEND

TMS =
EMS = EMERGENCY MESSAGE SIGN
CMS = CHANGEABLE MESSAGE SIGN
CCTV = CLOSED CIRCUIT TELEVISION

TMS ELEMENTS

TYPE	COUNTY	ROUTE	PM
EMS	DN	101	27.55 Lt
CMS	DN	101	28.49 Lt
CCTV	DN	101	28.50 Lt

SHOULDER BACKING

LOCATION (PM) FROM	LOCATION (PM) TO	ORIENTATION SB/NB/MEDIAN	LENGTH	IMPORTED MATERIAL (SHOULDER BACKING)
			LF	TON
LOCATION 1				
97.72	97.75	SB	158	2.7
99.48	99.52	SB	211	3.6
99.93	99.96	NB	158	2.7
LOCATION 2				
27.49	27.51	NB	106	1.8
27.52	27.57	NB	264	4.6
27.54	31.20	MEDIAN NB	19,325	334.1
27.54	31.20	MEDIAN SB	19,325	334.1
27.59	27.79	SB	1056	18.3
			TOTAL	701.9

CALCULATED-DESIGNED BY: Chris Ghidinelli
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: R.B. McCarthy
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

SUMMARY OF QUANTITIES
Q-1

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 10:47

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => t1donh
DGN FILE => 149050pa001.dgn
CU 01601
EA 490501

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.1 R97.5/100.7	13	15

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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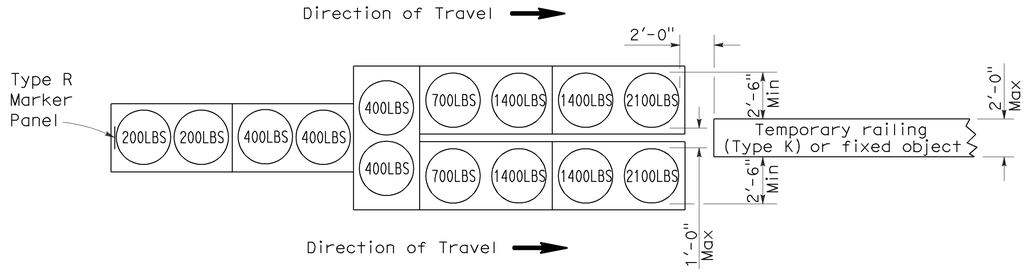
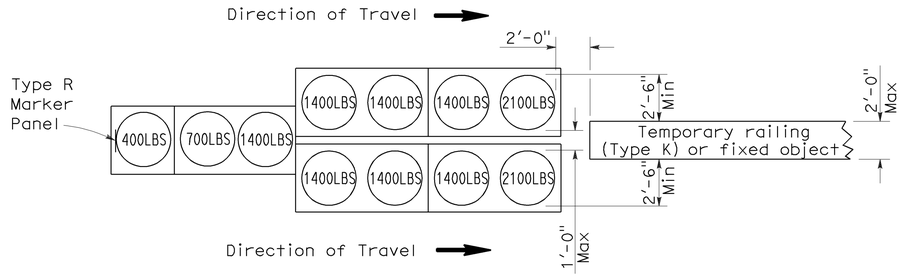
To accompany plans dated April 5, 2010



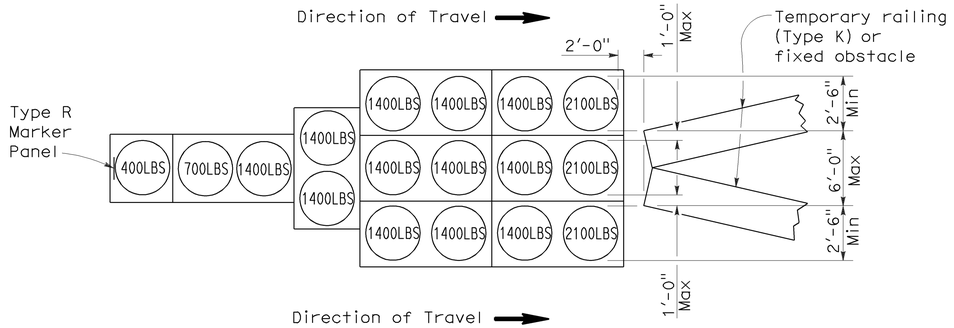
ARRAY 'TU14'

Approach speed 45 mph or more



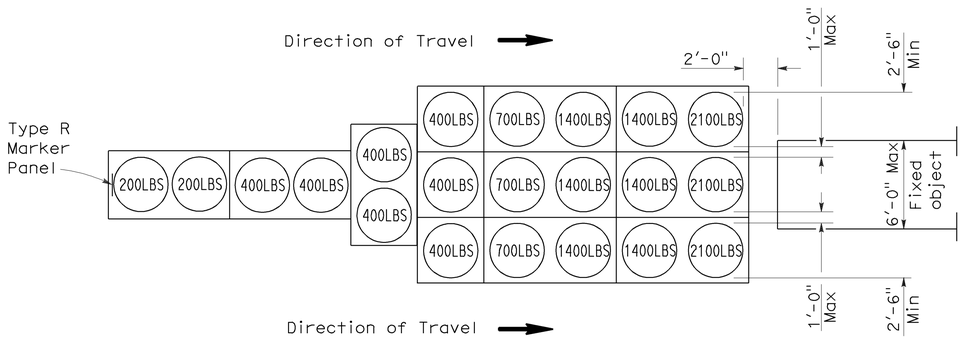
ARRAY 'TU11'

Approach speed less than 45 mph



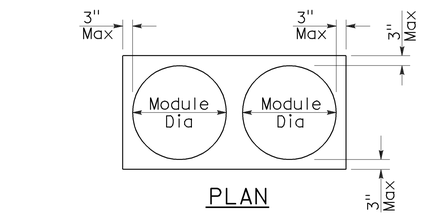
ARRAY 'TU17'

Approach speed less than 45 mph

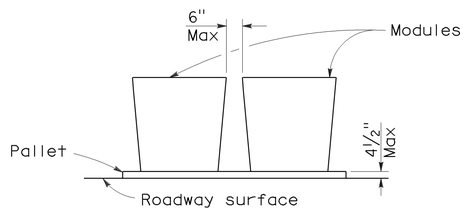


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	26.8/31.1 R97.5/100.7	14	15

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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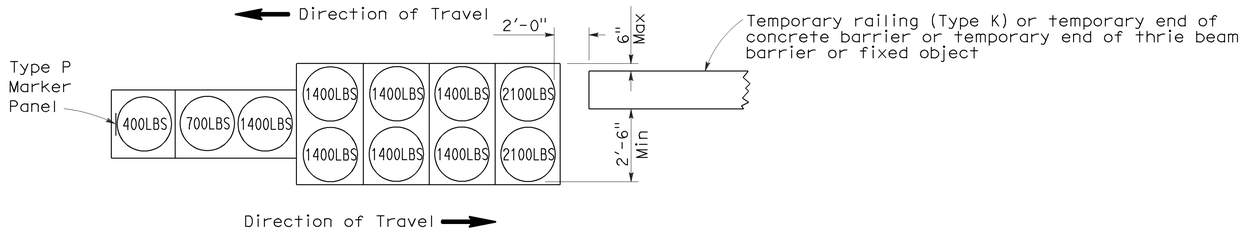
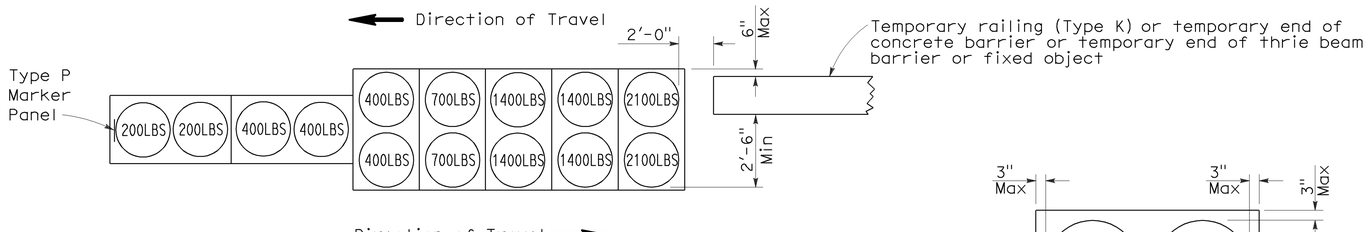
To accompany plans dated April 5, 2010



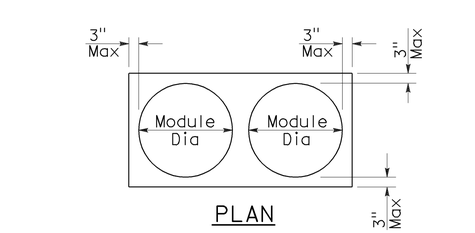
ARRAY 'TB11'

Approach speed less than 45 mph

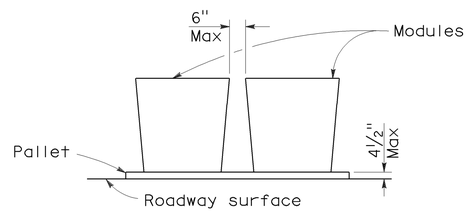


ARRAY 'TB14'

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	DN, Hum	101	26.8/31.1 R97.5/100.7	15	15

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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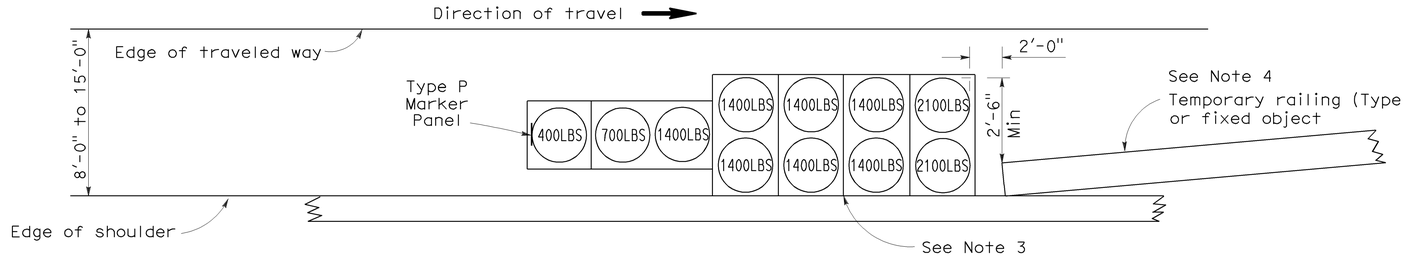
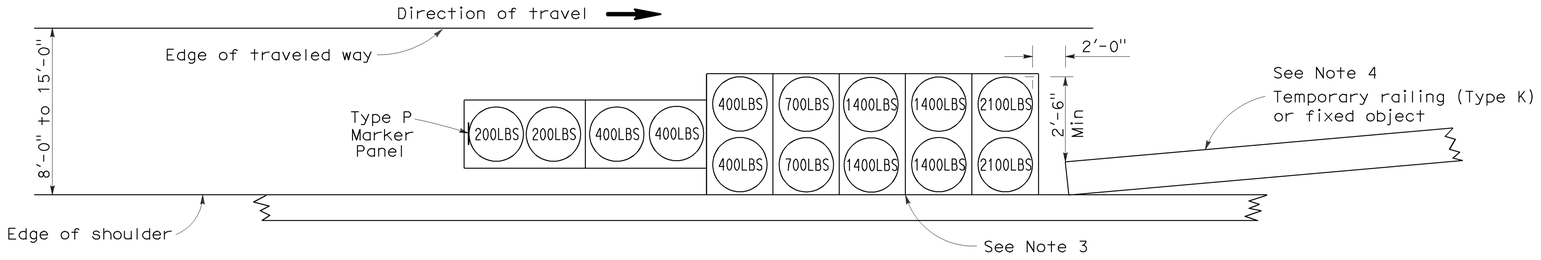
To accompany plans dated April 5, 2010



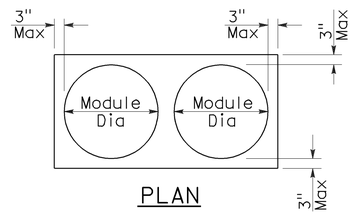
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

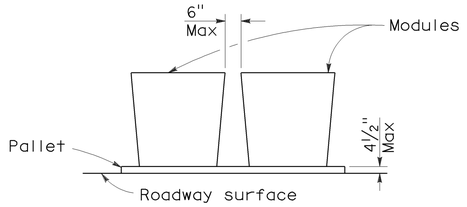


ARRAY 'TS14'

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