Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	17.2/22.8 24.2/24.8	2	45

REGISTERED CIVIL ENGINEER 7-19-10 DATE

8-16-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOHNY TAN
No. 64316
Exp. 6-30-11
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.

1 Exist
0.35' AC (TYPE A)
0.35' - 0.85' AB
0.80' CI 4 AS

2 Exist
0.75' PCC
0.45'-0.95' CTB
0.80' CI 4 AS

3 Exist
0.10' RAC-G
0.75' PCC
0.45'-0.95' CTB
0.80' CI 4 AS

4 Exist
0.70' PCC
0.45' CTB
0.80' CI 4 AS

5 Exist
0.10' RAC-G
0.70' PCC
0.45' CTB
0.80' CI 4 AS

6 Exist
0.45' AC
1.20' AB
0.80' AS

7 Exist
0.17'-0.20' AC (TYPE A)
0.50'-0.95' AB
0.80' CI 4 AS

8 Exist
0.17' AC (TYPE A)
0.50' CI 2 AB

9 Exist
0.25' AC (TYPE A)
0.50'-1.00' AB
0.75' AS OR 0.50' CTS

10 Exist
0.79' AC (TYPE A)
1.23' CI 2 AB
2.02' AS

11 Exist
0.30' AC (TYPE A)
0.50' AB
1.20' AS

12 Exist
0.40' AC (TYPE A)
0.75' CTB
0.85' AS

13 Exist
0.06' OGAC
0.40' AC (TYPE A)
0.75' CTB
0.85' AS

14 Exist
0.75' PCC
0.50' CTB
0.75' AS OR 0.50' CTS

15 Exist
0.67' PCC
0.35' CTB
0.75' AS OR 0.50' CTS

16 Exist
0.50' AC (TYPE A)
0.75' AB
0.50' LT

17 Exist
0.35' AC (TYPE A)
0.75' CTB
1.15' AS

18 Exist
0.08' OGAC
0.79' AC
2.80' AB

19 Exist
0.08' OGAC
0.30' AC
0.67' PCC
0.35' CTB
0.98' AS

20 Exist
0.08' OGAC
0.30' AC
0.98' PCC
0.50' CTB
0.98' AS

21 Exist
0.08' OGAC
0.55' AC
0.75' CTB
1.15' AS

22 COLD PLANE AC PAVEMENT (0.25' Max)
0.25' HMA

23 COLD PLANE AC PAVEMENT (0.10' Max)
0.10' RHMA-O

24 COLD PLANE AC PAVEMENT (0.17' Max)
0.17' HMA

25 COLD PLANE AC PAVEMENT (0.35' Max)
0.10' RHMA-O
0.25' HMA

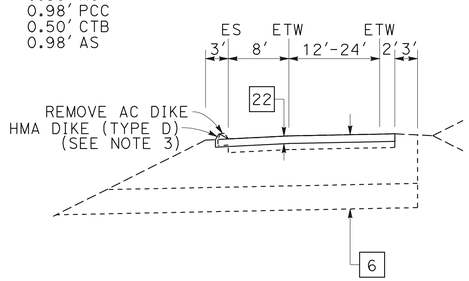
26 COLD PLANE AC PAVEMENT (0.27' Max)
0.10 RHMA-O
0.17' HMA

NOTES:

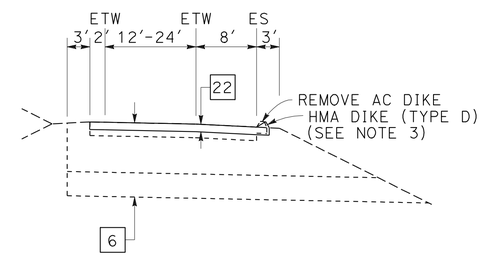
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. SEE SUMMARY OF QUANTITIES SHEET FOR LOCATIONS.
4. NO WORK SHALL BE PERFORMED ON BRIDGE DECK AND APPROACH/DEPARTURE SLABS.

ABBREVIATIONS

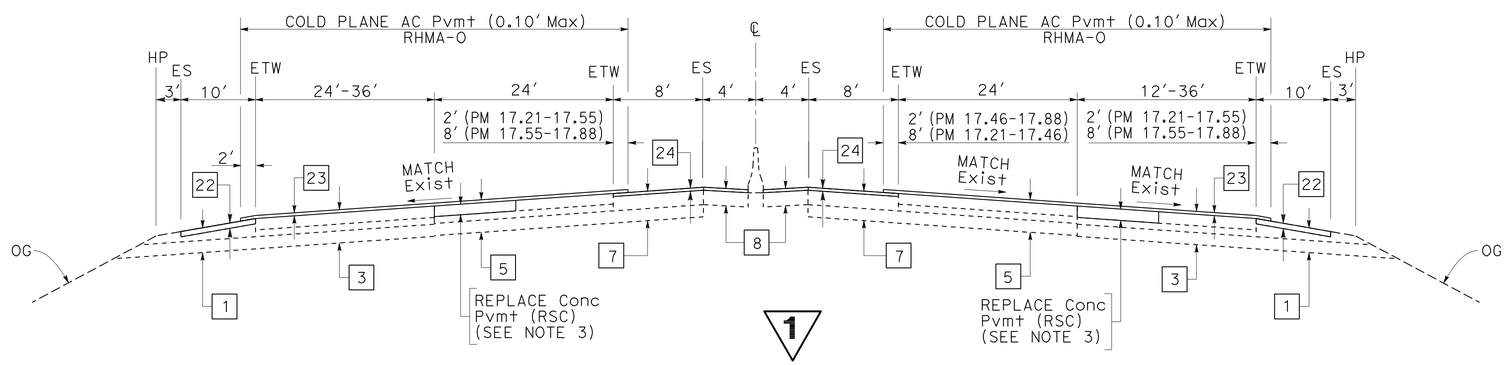
CTS - CEMENT TREATED SUBBASE
RAC-O - RUBBERIZED ASPHALT CONCRETE (TYPE O)
RHMA-O - RUBBERIZED HOT MIX ASPHALT (TYPE O)
RSC - RAPID STRENGTH CONCRETE



FLORIN ROAD SB SLIP OFF RAMP
FLORIN ROAD SB LOOP ON RAMP



FLORIN ROAD NB SLIP ON RAMP
FLORIN ROAD NB LOOP OFF RAMP



1

ROUTE 5
PM 17.21 - 17.88

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 7, 2010**

TYPICAL CROSS SECTIONS
NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN, SOUTH
DESIGN BRANCH 09

FUNCTIONAL SUPERVISOR: JOHNY TAN
CALCULATED-DESIGNED BY: JOHNY TAN
CHECKED BY
REVISED BY: JT
DATE REVISED

LAST REVISION 05-27-10 | DATE PLOTTED => 05-OCT-2010 | TIME PLOTTED => 08:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	17.2/22.8 24.2/24.8	4	45

REGISTERED CIVIL ENGINEER 7-19-10 DATE

8-16-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOHNY TAN
No. 64316
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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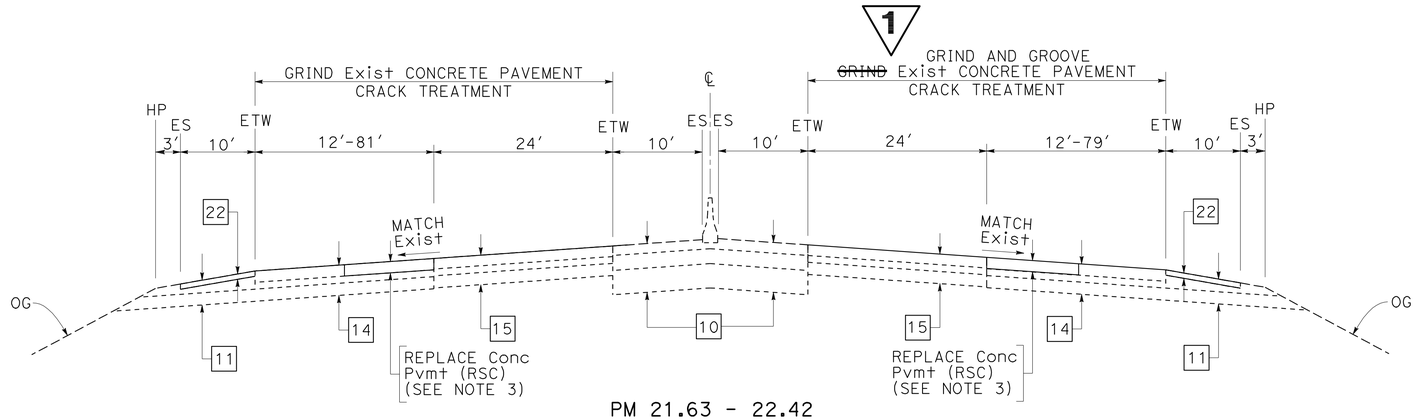
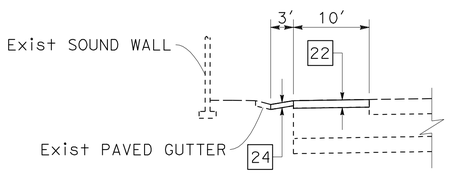
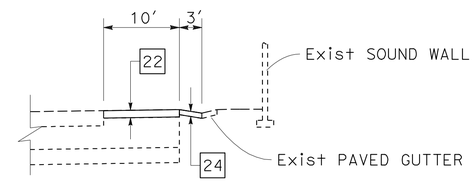


PM 21.63 - 22.42



PM 19.40 - PM 19.90



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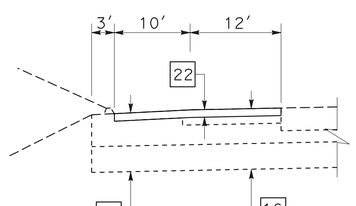
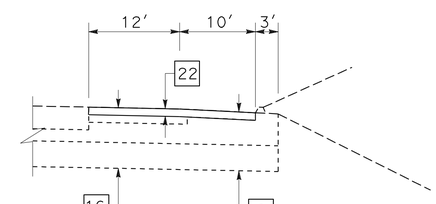
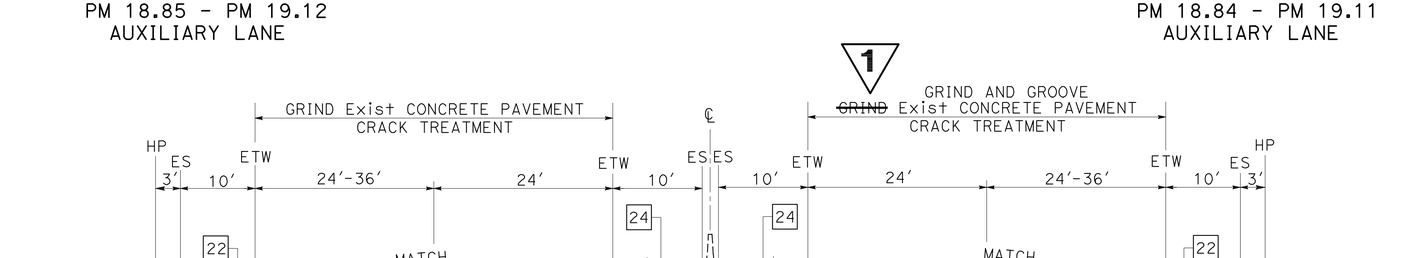


PM 18.85 - PM 19.12
AUXILIARY LANE



PM 18.84 - PM 19.11
AUXILIARY LANE



1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 7, 2010

ROUTE 5
PM 18.65 - 21.63

TYPICAL CROSS SECTIONS
NO SCALE

X-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION
OFFICE OF DESIGN, SOUTH
DESIGN BRANCH 09

FUNCTIONAL SUPERVISOR: JOHNY TAN
JOHNY TAN
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY: JT
DATE REVISED

LAST REVISION 05-27-10
DATE PLOTTED => 05-OCT-2010
TIME PLOTTED => 08:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	17.2/22.8 24.2/24.8	27	45

REGISTERED CIVIL ENGINEER 7-19-10 DATE

8-16-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JOHNY TAN No. 64316 Exp. 6-30-11 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.

1

ROADWAY QUANTITIES

LOCATION PM BEGIN	LOCATION PM END	DIRECTION NB/SB	DESCRIPTION	(N) LENGTH FT	(N) WIDTH FT	COLD PLANE AC PAVEMENT .10' Max SQYD	.17' Max SQYD	.25' Max SQYD	.27' Max SQYD	.35' Max SQYD	HOT MIX ASPHALT TON	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED) TON	TACK COAT TON
		NB	WB FLORIN Rd TO NB ROUTE 5 ON RAMP	1,620	Var			3,869			632		0.82
		NB	NB ROUTE 5 TO WB FLORIN Rd LOOP OFF RAMP	797	Var			2,005			328		0.43
		NB	EB FLORIN Rd TO NB ROUTE 5 ON RAMP (PARTIAL)	412	Var			858			140		0.18
		NB	43RD AVENUE ON RAMP	688	Var					3,051	498	193	1.30
		NB	SEAMAS AVENUE OFF RAMP	690	Var			2,167			354		0.46
		NB	SEAMAS AVENUE ON RAMP	589	Var					2,091	342	132	0.89
		NB	SUTTERVILLE ROAD OFF RAMP	616	Var			1,935			316		0.41
		NB	SUTTERVILLE ROAD ON RAMP	682	Var					2,263	370	143	0.96
		NB	RICHARDS Blvd ON RAMP	738	Var					2,694	440	170	1.15
		SB	RICHARDS Blvd ON RAMP	619	Var					2,594	424	164	1.10
		SB	SUTTERVILLE ROAD OFF RAMP	836	Var			3,014			492		0.64
		SB	SUTTERVILLE ROAD ON RAMP	605	Var			1,983			324		0.42
		SB	SEAMAS AVENUE OFF RAMP	828	Var					2,723	445	172	1.16
		SB	SEAMAS AVENUE ON RAMP	719	Var			2,249			367		0.48
		SB	43RD AVENUE OFF RAMP	774	Var			3,346			546		0.71
		SB	SB ROUTE 5 OFF RAMP TO WB FLORIN Rd	1,559	Var			4,998			816		1.06
		SB	SB OFF RAMP TO EB FLORIN Rd (PARTIAL)	876	Var			1,800			294		0.38
		SB	WB FLORIN Rd TO SB LOOP ON RAMP	875	Var			2,217			362		0.47
PM 17.21	TO PM 17.88	NB	NB MAINLINE	3,538	66-97	28,145						1,774	5.99
PM 17.88	TO PM 17.21	SB	SB MAINLINE	3,538	66-110	29,058						1,831	6.18
PM 17.21	TO PM 17.88	NB	AC SHOULDER - OUTSIDE	3,538	10			3,932			642		0.84
PM 17.21	TO PM 17.88	NB	AC SHOULDER - INSIDE	3,538	11		4,325				472		0.92
PM 17.88	TO PM 17.21	SB	AC SHOULDER - OUTSIDE	3,538	10			3,932			642		0.84
PM 17.88	TO PM 17.21	SB	AC SHOULDER - INSIDE	3,538	11		4,325				472		0.92
PM 17.88	TO PM 18.65	NB	AC SHOULDER - OUTSIDE	4,066	10			4,482			732		0.95
PM 17.88	TO PM 18.65	NB	AC SHOULDER - INSIDE	4,066	10-14		5,295				577		1.13
PM 18.65	TO PM 17.88	SB	AC SHOULDER - OUTSIDE	4,066	10			4,557			744		0.97
PM 18.65	TO PM 17.88	SB	AC SHOULDER - INSIDE	4,066	10-14		5,306				579		1.13
PM 18.69	TO PM 19.13	NB	AC SHOULDER - OUTSIDE	2,324	10-43			5,466			892		1.16
PM 18.69	TO PM 19.13	NB	AC SHOULDER - INSIDE	2,324	10		2,674				292		0.57
PM 19.13	TO PM 18.69	SB	AC SHOULDER - OUTSIDE	2,324	10-44			5,472			893		1.16
PM 19.13	TO PM 18.69	SB	AC SHOULDER - INSIDE	2,324	10		2,677				292		0.57
PM 19.17	TO PM 19.30	NB	AC SHOULDER - OUTSIDE	687	10-43			1,264			207		0.27
PM 19.17	TO PM 19.30	NB	AC SHOULDER - INSIDE	687	10		867				95		0.18
PM 19.30	TO PM 19.17	SB	AC SHOULDER - OUTSIDE	687	10-41			1,238			202		0.26
PM 19.30	TO PM 19.17	SB	AC SHOULDER - INSIDE	687	10		865				95		0.18
PM 19.34	TO PM 19.95	NB	AC SHOULDER - OUTSIDE	3,221	10-41			4,933			805		1.05
PM 19.34	TO PM 19.95	NB	AC SHOULDER - INSIDE	3,221	10		3,652				398		0.78
PM 19.95	TO PM 19.34	SB	AC SHOULDER - OUTSIDE	3,221	10-43		880	4,316			803 ~~705~~		~~0.92~~ 1.11
PM 19.95	TO PM 19.34	SB	AC SHOULDER - INSIDE	3,221	10		3,655				399		0.78
PM 19.98	TO PM 22.00	NB	AC SHOULDER - OUTSIDE	10,666	10-43		880	13,859			2,359 ~~2,261~~		~~2.95~~ 3.14
PM 19.98	TO PM 21.63	NB	AC SHOULDER - INSIDE	8,712	10		9,713				1,059		2.07
PM 22.16	TO PM 19.98	SB	AC SHOULDER - OUTSIDE	11,511	10-49			15,199			2,480		3.23
PM 21.63	TO PM 19.98	SB	AC SHOULDER - INSIDE	8,712	10		10,562				1,151		2.25
PM 22.33	TO PM 22.16	SB	AC SHOULDER - OUTSIDE	898	11			1,063			174		0.23
PM 22.42	TO PM 22.33	SB	AC SHOULDER - OUTSIDE	476	10-25			553			91		0.12
PM 22.00	TO PM 22.42	NB	AC SHOULDER - OUTSIDE	2,218	10-21			2,394			391		0.51
PM 22.49	TO PM 22.75	NB	AC SHOULDER - OUTSIDE	1,373	8-37			2,401			392		~~0.64~~ 0.52
PM 22.49	TO PM 22.75	NB	AC SHOULDER - INSIDE	1,373	10-11		1,776				194		0.38
PM 22.53	TO PM 22.49	SB	AC SHOULDER - OUTSIDE	212	10			228			38		0.05
PM 22.75	TO PM 22.49	SB	AC SHOULDER - INSIDE	1,373	11-13		1,934				211		0.41
PM 22.34	TO PM 22.16	SB	WB ROUTE 50 TO SB ROUTE 5 CONNECTOR OUTSIDE SHOULDER	951	10			1,080			177		0.23
PM 22.34	TO PM 22.16	SB	WB ROUTE 50 TO SB ROUTE 5 CONNECTOR INSIDE SHOULDER	951	5			537			88		0.11
PM 22.38	TO PM 22.33	SB	EB ROUTE 50 TO SB ROUTE 5 CONNECTOR OUTSIDE SHOULDER	265	10			311			51		0.07
PM 22.38	TO PM 22.33	SB	EB ROUTE 50 TO SB ROUTE 5 CONNECTOR INSIDE SHOULDER	265	5			152			24		0.03
PM 22.65	TO PM 22.75	NB	EB ROUTE 50 TO NB ROUTE 5 CONNECTOR OUTSIDE SHOULDER	528	10			587			96		0.13
PM 24.19	TO PM 24.68	NB	AC SHOULDER - OUTSIDE	2,429	8-51			3,581			585		0.76
PM 24.19	TO PM 24.68	NB	AC SHOULDER - INSIDE	2,429	14-17		4,506				491		0.96
PM 24.68	TO PM 24.19	SB	AC SHOULDER - OUTSIDE	2,429	8-43			3,440			562		0.73
PM 24.68	TO PM 24.19	SB	AC SHOULDER - INSIDE	2,429	14-17		4,516				492		0.96
PM 24.68	TO PM 24.82	NB	NB MAINLINE	740	48	4,332						273	0.92
PM 24.68	TO PM 24.82	NB	AC SHOULDER - OUTSIDE	740	10-41					1,264	207	80	0.27
PM 24.68	TO PM 24.82	NB	AC SHOULDER - INSIDE	740	17				1,525		167	97	0.32
PM 24.82	TO PM 24.68	SB	SB MAINLINE	740	48	4,310						272	0.92
PM 24.82	TO PM 24.68	SB	AC SHOULDER - OUTSIDE	740	10-54					1,755	287	111	0.37
PM 24.82	TO PM 24.68	SB	AC SHOULDER - INSIDE	740	17				1,538		168	97	0.33
			HMA DIKE (SEE Q-1)								11.6		
					TOTAL			~~254,655~~ 271,169			~~27,245.6~~ 29,669.6	5,509	~~57.20~~ 60.98

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

1

ROADWAY QUANTITIES

LOCATION PM BEGIN	LOCATION PM END	DIRECTION NB/SB	(N) LENGTH FT	(N) WIDTH FT	GRIND EXISTING CONCRETE PAVEMENT SQYD	CRACK TREATMENT LNMI	GRIND AND GROOVE EXISTING CONCRETE PAVEMENT SQYD
PM 17.88	TO PM 18.65	NB	4,066	Var	21,591		
PM 18.69	TO PM 19.13	NB	2,323	Var	~~12,800~~		12,800
PM 19.17	TO PM 19.30	NB	686	Var	~~4,166~~		4,166
PM 19.34	TO PM 19.95	NB	3,221	Var	~~17,613~~		17,613
PM 19.98	TO PM 22.42	NB	12,883	Var	~~75,760~~		75,760
PM 22.49	TO PM 22.75	NB	1,373	Var	7,603		
PM 18.65	TO PM 17.88	SB	4,066	Var	21,794		
PM 19.13	TO PM 18.69	SB	2,323	Var	12,884		
PM 19.30	TO PM 19.17	SB	686	Var	4,150		
PM 19.95	TO PM 19.34	SB	3,221	Var	17,414		
PM 22.42	TO PM 19.98	SB	12,883	Var	80,065		
PM 22.61	TO PM 22.49	SB	634	Var	3,574		
PM 17.20	TO PM 17.58	NB				1.06	
PM 17.58	TO PM 17.20	SB				1.06	
PM 17.60	TO PM 18.65	NB				2.95	
PM 18.65	TO PM 17.60	SB				1.99	
PM 18.68	TO PM 19.14	NB				1.28	
PM 19.14	TO PM 18.68	SB				1.24	
PM 19.16	TO PM 19.30	NB				0.41	
PM 19.30	TO PM 19.16	SB				0.41	
PM 19.33	TO PM 19.95	NB				1.74	
PM 19.95	TO PM 19.33	SB				1.74	
PM 19.97	TO PM 22.42	NB				6.86	
PM 22.42	TO PM 19.97	SB				6.86	
PM 22.49	TO PM 22.75	NB				0.74	
PM 22.75	TO PM 22.49	SB				0.30	
				TOTAL	~~279,414~~ 169,075	28.64	110,339

SEAL PAVEMENT JOINT

LOCATION PM TO PM	DIRECTION NB/SB	SEAL PAVEMENT JOINT LF
17.2 TO 22.8	NB	69,770
22.8 TO 17.2	SB	69,770
	TOTAL	139,540

1

REVISED PER ADDENDUM No. 1 DATED OCTOBER 7, 2010

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN, SOUTH
DESIGN BRANCH 09

Caltrans

FUNCTIONAL SUPERVISOR: JOHNY TAN
CALCULATED-DESIGNED BY: JT
CHECKED BY: JOHNY TAN
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DATE REVISED

LAST REVISION 05-27-10
DATE PLOTTED => 05-OCT-2010
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