Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	15	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 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.

ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	RAPID STRENGTH CONCRETE (MINOR STRUCTURE) (N)	ANCHOR BLOCK TYPE (N)	MINOR CONCRETE (MINOR STRUCTURE)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (WOOD POST)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING	REMOVE METAL BEAM GUARD RAILING (4)	REMARKS (4)
						EA	EA	EA	EA	EA	EA	—	—	CY	LF	LF	LF	LF	TON	LF	LF	
1	R58.9	X		O	56-0617R		1				1	1	1	0.74	350	50	350.0	58	2.7		58	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R58.9	X		M	56-0617R				1		1	1	1	0.74			375.0				98	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R58.9		X	O	56-0617L		1				1	1	1	0.74	350	50	350.0	50	2.7		50	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R58.9		X	M	56-0617L				1		1	1	1	0.74			375.0				98	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
2	R59.2		X	O	-	1				1					37.5	37.5	37.5	74	0.5		74	REMOVE MBGR
3	R60.39	X		O	56-0079R	1					1	1	1	0.74		37.5		70	0.3	12.5		RECONSTRUCT MBGR, PROTECT SLOTTED DRAIN.
	R60.39	X		M	56-0079R				1		1	1	1	0.74			300.0				100	DIRT DRIVE WAY TO BE LEFT UNBLOCKED
	R60.4		X	M	56-0079L				1		1	1	1	0.74			300.0				74	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R60.4		X	O	56-0079L	1					1	1	1	0.74	37.5	37.5	37.5	70	0.5		70	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
4	R62.02		X	M	56-0476L				1		1	1	1	0.74			387.5	77	0.4		77	176-FEET WIDE MEDIAN
	R62.02		X	O	56-0476L						1	1	1	0.74						62.5		REMOVE MBGR
	R62.02	X		O	56-0476R							1	1	0.74						87.5		RECONSTRUCT MBGR
	R62.02	X		M	56-0476R				1		1	1	1	0.74			387.5				66	~~RECONSTRUCT MBGR~~
5	R62.6	X		O	56-0475R		1									50		81	0.4			~~RECONSTRUCT MBGR~~
	R62.6	X		O	56-0475R						1	1	1	0.74						950.0		RECONSTRUCT MBGR
	R62.6	X		M	56-0475R	1					1	1	1	0.74						25.0		RECONSTRUCT MBGR
	R62.62		X	M	56-0475L	1					1	1	1	0.74		37.5		67	0.3			~~RECONSTRUCT MBGR~~
	R62.62		X	O	56-0475L		1				1	1	1	0.74		50		80	0.4			~~RECONSTRUCT MBGR~~
6	R63.63	X		M	56-0201R						1	1	1	0.74								NEEDS ONLY ADDING OF MINOR CONCRETE. MBGR IN GOOD SHAPE.
	R63.63	X		O	56-0201R		1			1	1	1	1	0.74		50		2728	0.4	2650.0		RECONSTRUCT MBGR AND NEEDS MINOR GRADING
	R63.63		X	M	56-0201L	1					1	1	1	0.74								~~RECONSTRUCT MBGR~~
	R63.63		X	O	56-0201L			1			1	1	1	0.74						237.5		RECONSTRUCT MBGR, PROTECT SLOTTED DRAIN
7	R64.10		X	O	-					1										700.0		RECONSTRUCT MBGR
8	R64.5	X		O	-					1										37.5		RECONSTRUCT MBGR
9	R64.9		X	O	-					1										512.5		RECONSTRUCT MBGR
10	R65.4		X	O	-															275.0		RECONSTRUCT MBGR
11	R65.4	X		O	-			1		1												~~RECONSTRUCT MBGR~~
12	R65.60		X	O	-					1										362.5		RECONSTRUCT MBGR, PROTECT DOWN DRAIN
13	R65.7	X		O	-			1		1					562.5		562.5	552	3.6		552	REMOVE MBGR
14	R66.18	X		O	56-0202R			1											0.3	825.0		RECONSTRUCT MBGR
	R66.18	X		M	56-0202R				1			1	1	0.74								~~RECONSTRUCT MBGR~~
	R66.18	X		O	56-0202R						1	1	1	0.74						675.0		RECONSTRUCT MBGR, NEED EMBANKMENT REPAIR- FOR QUANTITIES SEE Q-10.
	R66.21		X	M	56-0202L	1				1		1	1	0.74		37.5		80	0.3	50.0		RECONSTRUCT MBGR
	R66.4		X	O	56-0202L							1	1	0.74						512.5		RECONSTRUCT MBGR
15	R66.6	X		O	-			1		1										737.5		RECONSTRUCT MBGR
	R66.6	X		M	-		1			1										112.5		RECONSTRUCT MBGR
16	R66.7		X	M	-															150.0		RECONSTRUCT MBGR
	R66.8			O	-															562.5		RECONSTRUCT MBGR
17	R67.4		X	O	-					1										462.5		RECONSTRUCT MBGR
18	R67.9	X		O	-			1		1										337.5		RECONSTRUCT MBGR
19	R68.28	X		O	56-0204R		1				1	1	1	0.74		50		341	0.4	275.0		RECONSTRUCT MBGR
	R68.28	X		M	56-0204R		1				1	1	1	0.74		50		81	0.4			~~RECONSTRUCT MBGR~~
	R68.28	X		O	56-0204R					1										437.5		RECONSTRUCT MBGR
	R68.28		X	O	56-0204L		1				1	1	1	0.74		50		394	0.4	325.0		RECONSTRUCT MBGR
	R68.28		X	M	56-0204L	1						1	1	0.74						50.0		RECONSTRUCT MBGR
20	R69.0	X		O	-					1					275		275.0	266	1.8		266	REMOVE ALL MBGR
21	R69.1		X	O	-					1										188		RECONSTRUCT MBGR
22	R69.4	X		O	-	1				1						37.5			0.3	537.5		RECONSTRUCT MBGR
	R69.5	X		M	-					1										37.5		RECONSTRUCT MBGR
23	R69.5		X	M	-					1								675		137.5		RECONSTRUCT MBGR
	R69.5		X	O	-					1										175.0		RECONSTRUCT MBGR
24	R69.7	X		O	-					1										937.5		RECONSTRUCT MBGR
	R69.7	X		M	-					1							125.0					
25	R69.8		X	O	-					1										137.5		RECONSTRUCT MBGR
26	R69.9		X	M	-		1			1										662.5		RECONSTRUCT MBGR
27	R69.96		X	O	-					1										400.0		RECONSTRUCT MBGR
28	R70.4	X		O	-		1			1							475.0					
29	R70.03		X	O	-			1		1										550.0		RECONSTRUCT MBGR
30	R70.45		X	O	-					1										375.0		~~REMOVE~~ RECONSTRUCT MBGR, CONVERT OVERSIDE DRAIN TO DOWN DRAIN. FOR DETAILS SEE Q-10
	SUB TOTAL					9	11	7	7	28	23	28	-	20.72	1612.5	625	4337.5	5744	16.1	15563	1583	

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4 REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF
CALCULATED-DESIGNED BY: RAJBINDER S. GILL
CHECKED BY: RAFTAR SHARIATZADEH
REVISED BY / DATE REVISED

LAST REVISION 01-20-10 | DATE PLOTTED => 20-OCT-2010 | TIME PLOTTED => 06:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	16	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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4 4 4 4

ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	RAPID STRENGTH CONCRETE (MINOR STRUCTURE) (N)	ANCHOR BLOCKTYPE (N)	MINOR CONCRETE (MINOR STRUCTURE)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (WOOD POST)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING	REMOVE METAL BEAM GUARD RAILING	REMARKS
						EA	EA	EA	EA	EA	EA	—	—	CY	LF	LF	LF	LF	TON	LF	LF	
31	R71.51		X	O	-		1			1						50		413	0.4	375.0		RE-CONSTRUCT MBGR
32	R71.56		X	M	-					1										37.5		RE-CONSTRUCT MBGR
33	R71.7	X		O	-			1		1										62.5		RE-CONSTRUCT MBGR
	R71.7	X		M	-		1			1						50		90	0.4	50.0		RE-CONSTRUCT MBGR
34	R71.8	X		M	-		1			1										50.0		RE-CONSTRUCT MBGR
35	R71.9		X	M	-		1													0.0		RE-CONSTRUCT MBGR
	R71.9		X	O	-															112.5		RE-CONSTRUCT MBGR
36	R72.5	X		O	-					1										112.5		RE-CONSTRUCT MBGR
	R72.5	X		M	-	1				1						37.5		90	0.3	62.5		RE-CONSTRUCT MBGR
37	R72.6		X	M	-															87.5		RE-CONSTRUCT MBGR
	R72.6		X	O	-															200.0		RE-CONSTRUCT MBGR
38	R72.94	X		O	56-0460R						1	1	1	0.74						62.5		RE-CONSTRUCT MBGR
	R72.94	X		M	56-0460R		1				1	1	1	0.74						0.0		RE-CONSTRUCT MBGR
	R72.94		X	O	56-0460L		1				1	1	1	0.74		50		78	0.4	0.0		RE-CONSTRUCT MBGR
	R72.94		X	M	56-0460L		1				1	1	1	0.74						0.0		RE-CONSTRUCT MBGR
39	R73.19	X		O	56-0461R		1				1	1	1	0.74		50		76	0.4	0.0		RE-CONSTRUCT MBGR, RELOCATE DOWN DRAIN, SEE Q-10
	R73.19	X		M	56-0461R		1				1	1	1	0.74			37.5				80	REMOVE MBGR
	R73.21		X	M	56-0461L		1				1	1	1	0.74						25.0		RE-CONSTRUCT MBGR ON APPROACH
	R73.21		X	O	56-0461L						1	1	1	0.74						62.5		RE-CONSTRUCT MBGR
40	R73.43	X		O	56-0462R		1				1	1	1	0.74		50		80	0.4	0.0		RE-CONSTRUCT MBGR, RELOCATE SLOTTED DRAIN
	R73.43	X		M	56-0462R		1				1	1	1	0.74						0.0		RE-CONSTRUCT MBGR
	R73.45		X	M	56-0462L						1	1	1	0.74						87.5		RE-CONSTRUCT MBGR ON APPROACH
	R73.45		X	O	56-0462L						1	1	1	0.74						62.5		RE-CONSTRUCT MBGR
41	R73.8		X	M	-					1										75.0		RE-CONSTRUCT MBGR
	R73.8		X	O	-					1										62.5		~~REMOVE~~ RE-CONSTRUCT MBGR
42	R73.80	X		M	-					1										87.5		RE-CONSTRUCT MBGR
43	R74.10	X		O	56-0463R						1	1	1	0.74						50.0		RE-CONSTRUCT MBGR, RELOCATE DOWN DRAIN, FOR QUANTITIES SEE Q-10
	R74.10	X		M	56-0463R						1	1	1	0.74						50.0		RE-CONSTRUCT MBGR
	R74.10		X	M	56-0463L				1		1	1	1	0.74			387.5				65	~~RE-CONSTRUCT~~ REMOVE MBGR, MINOR GRADING REQUIRED ON APPROACH
	R74.10		X	O	56-0463L						1	1	1	0.74						62.5		RE-CONSTRUCT MBGR
44	R74.84		X	O	56-0511L	1				1						37.5		327	0.3	300.0		RE-CONSTRUCT MBGR, RELOCATE DOWN DRAIN, FOR QUANTITIES SEE Q-10
	R74.84		X	M	56-0511L	1					1	1	1	0.74						0.0		
	R74.8	X		O	56-0511R						1	1	1	0.74						350.0		~~REMOVE~~ RE-CONSTRUCT MBGR
	R74.8	X		M	56-0511R						1	1	1	0.74						62.5		RE-CONSTRUCT MBGR
	R74.84		X	O	56-0511L		1				1	1	1	0.74	12.5	50	12.5	40	0.4		40	REMOVE MBGR ON APPROACH
45	R75.05		X	M	-					1										112.5		RE-CONSTRUCT MBGR
	R75.05		X	O	-					1										125.0		RE-CONSTRUCT MBGR
46	R75.1	X		M	-		1			1										50.0		RE-CONSTRUCT MBGR
47	R75.6	X		O	56-0209R		1					1	1	0.74		50		75	0.4	25.0		RE-CONSTRUCT MBGR
	R75.6	X		M	56-0209R				1		1	1	1	0.74			387.5				65	~~RE-CONSTRUCT~~ REMOVE MBGR
	R75.68		X	M	56-0209L		1				1	1	1	0.74			25.0				65	~~RE-CONSTRUCT~~ REMOVE MBGR ON APPROACH
	R75.68		X	O	56-0209L	1					1	1	1	0.74		37.5		66	0.3	~~0.0~~	65	~~RE-CONSTRUCT~~ REMOVE MBGR
48	R76.1	X		O	-		1									50	62.5	230	0.4	187.5		~~REMOVE~~ RE-CONSTRUCT MBGR, CONVERT OVERSIDE DRAIN TO DOWN DRAIN & RELOCATE IT, FOR DETAILS SEE C-1
	R76.1	X		M	-	1				1							37.5				90	REMOVE MBGR
	R76.1		X	M	-	1				1										75.0		RE-CONSTRUCT MBGR
	R76.1		X	O	-	1				1										75.0		RE-CONSTRUCT MBGR
49	R76.5	X		O	56-0580R															112.5		RE-CONSTRUCT MBGR
	R76.5	X		M	56-0580R															100.0		RE-CONSTRUCT MBGR
	R76.55		X	M	56-0580L	1				1							87.5				116	REMOVE MBGR, PROTECT IN PLACE CALL BOX
	R76.55		X	O	56-0580L	1											87.5				116	REMOVE MBGR
50	R76.6	X		O	-															262.5		RE-CONSTRUCT MBGR
	R76.6	X		M	-															100.0		RE-CONSTRUCT MBGR
51	R76.8	X		O	-															175.0		RE-CONSTRUCT MBGR
52	R76.90		X	O	-	1														62.5		RE-CONSTRUCT MBGR
53	R76.96		X	O	-	1														62.5		RE-CONSTRUCT MBGR
	SUB TOTAL					11	17	1	2	18	23	24	-	17.76	12.5	512.5	1125	1565	4.1	4075	702	

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4 REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF
CALCULATED-DESIGNED BY: RAJBINDER S. GILL
CHECKED BY: RAFTAR SHARIATZADEH
REVISED BY
DATE REVISED

LAST REVISION 01-20-10 | DATE PLOTTED => 20-OCT-2010 | TIME PLOTTED => 06:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	17	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM (EA)	~~ALTERNATIVE INLINE TERMINAL SYSTEM (EA)~~	BURIED POST ANCHOR (N) (EA)	CRASH CUSHION (TYPE CAT) (EA)	TERMINAL ANCHOR ASSEMBLY (TYPE SET) (EA)	TRANSITION RAILING (TYPE WB) (EA)	RAPID STRENGTH CONCRETE (MINOR STRUCTURE) (N) (—)	ANCHOR BLOCK TYPE (N) (—)	MINOR CONCRETE (MINOR STRUCTURE) (CY)	PLACE ASPHALT CONCRETE DIKE (TYPE F) (LF)	PLACE ASPHALT CONCRETE DIKE (TYPE C) (LF)	METAL BEAM GUARD RAILING (WOOD POST) (LF)	REMOVE ASPHALT CONCRETE DIKE (LF)	MINOR HOT MIX ASPHALT (TON)	RECONSTRUCT METAL BEAM GUARD RAILING (LF)	REMOVE METAL BEAM GUARD RAILING (LF)	REMARKS
54	R77.09	X		O	56-0464R								1	0.74						87.5		RE-CONSTRUCT MBGR
	R77.09	X		M	56-0464R		1						1	0.74						25.0		RE-CONSTRUCT MBGR
	R77.11		X	M	56-0464L						1	1	1	0.74						50.0		RE-CONSTRUCT MBGR ON APPROACH
	R77.11		X	O	56-0464L	1					1	1	1	0.74						0.0		RE-CONSTRUCT MBGR
55	R77.3	X		O	-															112.5		RE-CONSTRUCT MBGR. MINOR GRADING REQUIRED.
	R77.3	X		M	-															100.0		RE-CONSTRUCT MBGR
	R77.3		X	M	-	1														62.5		RE-CONSTRUCT MBGR, PROTECT IN PLACE CALL BOX
	R77.3		X	O	-	1														75.0		RE-CONSTRUCT MBGR, PROTECT IN PLACE CALL BOX, 26-FEET ETM
56	R77.65	X		O	56-0581R															112.5		RE-CONSTRUCT MBGR,NEED EMBANKMENT REPAIR, FOR QUANTITIES SEE Q-10
	R77.65	X		M	56-0581R															100.0		RE-CONSTRUCT MBGR
	R77.66		X	M	56-0581L	1											75				103	REMOVE MBGR
	R77.66		X	O	56-0581L	1											75				103	REMOVE MBGR
57	R77.86		X	O	CULVERT	1											25				65	REMOVE MBGR
58	R77.9	X		O	56-0465R		1						1	0.74		50		79	0.4	37.5		RE-CONSTRUCT MBGR. NEED EMBANKMENT REPAIR & RELOCATE DOWNDRAIN, FOR QUANTITIES SEE Q-10
	R77.9	X		M	56-0465R	1							1	0.74						37.5		RE-CONSTRUCT MBGR
	R77.97		X	M	56-0465L	1					1	1	1	0.74			37.5				65	REMOVE MBGR ON APPROACH
	R77.97		X	O	56-0465L	1					1	1	1	0.74			37.5				64	REMOVE MBGR
59	R78.1		X	O	CULVERT	1											62.5				90	REMOVE MBGR
60	R78.2		X	O	CULVERT	1											62.5				90	REMOVE MBGR
61	R78.29	X		O	-															90		RE-CONSTRUCT MBGR
62	R78.3		X	O	-	1														62.5		RE-CONSTRUCT MBGR
63	R78.54	X		M	56-212R				1				1	0.74			387.5			62.5		~~RE-CONSTRUCT MBGR,~~ MINOR GRADING REQUIRED
	R78.54	X		O	56-212R								1	0.74						87.5		RE-CONSTRUCT MBGR, CONVERT OVERSIDE DRAIN TO DOWN DRAIN & RELOCATE, FOR QUANTITIES SEE Q-10
	R78.54		X	M	56-212L	1					1	1	1	0.74			37.5				64	REMOVE MBGR ON APPROACH
	R78.54		X	O	56-212L	1					1	1	1	0.74			37.5				65	REMOVE MBGR
64	R78.93	X		O	56-582R															112.5		RE-CONSTRUCT MBGR
	R78.93	X		M	56-582R															100.0		RE-CONSTRUCT MBGR
	R78.93		X	M	56-582L	1											75.0				116	REMOVE MBGR
	R78.93		X	O	56-582L		1										75.0				103	REMOVE MBGR
65	R79.25	X		O	56-466R								1	0.74						87.5		RE-CONSTRUCT MBGR
	R79.25	X		M	56-466R								1	0.74						87.5		RE-CONSTRUCT MBGR
	R79.25		X	M	56-466L	1					1	1	1	0.74			50.0				76	REMOVE MBGR ON APPROACH
	R79.25		X	O	56-466L		1				1	1	1	0.74			25.0				65	REMOVE MBGR
66	R79.58	X		O	56-467R								1	0.74						87.5		RE-CONSTRUCT MBGR
	R79.58	X		M	56-467R		1						1	0.74						25.0		RE-CONSTRUCT MBGR
	R79.58		X	M	56-467L						1	1	1	0.74			75.0				65	REMOVE MBGR ON APPROACH
	R79.58		X	O	56-467L		1				1	1	1	0.74			25.0				65	REMOVE MBGR
67	R79.94	X		O	56-468R							1	1	0.74						87.5		RE-CONSTRUCT MBGR
	R79.94	X		M	56-468R							1	1	0.74						62.5		RE-CONSTRUCT MBGR
	R79.97		X	M	56-468L	1					1	1	1	0.74			37.5				64	REMOVE MBGR ON APPROACH
	R79.97		X	O	56-468L		1				1	1	1	0.74	25	50	25.0	65	0.5		65	REMOVE MBGR
68	R80.33	X		O	56-469R							1	1	0.74						87.5		RE-CONSTRUCT MBGR
	R80.33	X		M	56-469R						~~1~~	1	1	0.74			~~75.0~~			75		RE-CONSTRUCT MBGR
	R80.33		X	M	56-469L	1					1	1	1	0.74			75.0				64	REMOVE MBGR ON APPROACH
	R80.33		X	O	56-469L		1				1	1	1	0.74			25.0				65	REMOVE MBGR
69	R80.67	X		O	56-470R							1	1	0.74						87.5		RE-CONSTRUCT MBGR
	R80.67	X		M	56-470R		1					1	1	0.74			~~25.0~~			25	~~65~~	~~REMOVE MBGR~~
	R80.66		X	M	56-470L	1					1	1	1	0.74			37.5	64	0.5		64	REMOVE MBGR ON APPROACH
	R80.66		X	O	56-470L						1	1	1	0.74	37.5	37.5	~~75.0~~			40	~~67~~	~~REMOVE MBGR~~
SUB TOTAL						19	9	0	1	0	16	22	-	23.68	62.5	137.5	1362.5	208	1.4	2067.5	1511	

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

4 REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF
CALCULATED-DESIGNED BY: RAJBINDER S. GILL
CHECKED BY: RAFTAR SHARIATZADEH
REVISED BY
DATE REVISED

LAST REVISION 01-20-10 | DATE PLOTTED => 20-OCT-2010 | TIME PLOTTED => 06:32

ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM (4)	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	RAPID STRENGTH CONCRET (MINOR STRUCTURE) (N)	ANCHOR BLOCK TYPE (N)	MINOR CONCRETE (MINOR STRUCTURE)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (WOOD POST) (4)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING (4)	REMOVE METAL BEAM GUARD RAILING (4)	REMARKS (4)
						EA	EA	EA	EA	EA	EA	—	—	CY	LF	LF	LF	LF	TON	LF	LF	
70	R81.22	X		O	56-512R							1	1	0.74	75		~~75.0~~	75	0.5	75		~~REMOVE~~ RE-CONSTRUCT MBGR
	R81.22	X		M	56-512R		1					1	1	0.74		50		74	0.4	25		RE-CONSTRUCT
	R81.22		X	M	56-512L	1					1	1	1	0.74			37.5				65	REMOVE MBGR ON APPROACH
	R81.22		X	O	56-512L	1					1	1	1	0.74	37.5	37.5	37.5	66	0.5		65	REMOVE MBGR
71	R81.5	X		O	56-513	1											75.0				100	REMOVE MBGR
	R81.5	X		M	56-513										225		225.0	100	0.6		100	REMOVE MBGR
	R81.6		X	M	56-513												87.5				101	REMOVE MBGR
	R81.6		X	O	56-513	1				1							75.0				100	REMOVE MBGR
72	R82.58	X		O	56-514R	1					1	1	1	0.74			37.5				68	REMOVE MBGR
	R82.58	X		M	56-514R	1					1	1	1	0.74	50	37.5	50.0	80	0.6		80	REMOVE MBGR
	R82.61		X	M	56-514L		1				1	1	1	0.74			37.5				79	REMOVE MBGR ON APPROACH
	R82.61		X	O	56-514L		1				1	1	1	0.74	25	50	25.0	68	0.5		68	REMOVE MBGR
73	R86.07	X		M	56-573	2											175.0				120	REMOVE MBGR
74	R86.7	X		O	CULVERT	1				1					50	37.5	50.0	80	0.6		80	REMOVE MBGR
	R86.7	X		M	CULVERT	1				1							50.0				80	REMOVE MBGR
75	R86.77		X	O	56-0132	1											12.5				50	REMOVE MBGR
	R86.77		X	M	56-0132	1											12.5				50	REMOVE MBGR
76	R87.2	X		O	CULVERT		1			1							37.5				75	REMOVE MBGR
	R87.2	X		M	CULVERT		1			1							37.5				75	REMOVE MBGR
77	R87.2		X	M	CULVERT	1											37.5				75	REMOVE MBGR
	R87.2		X	O	CULVERT	1											37.5				75	REMOVE MBGR
78	R87.4	X		O	CULVERT	1				1							37.5				75	REMOVE MBGR
	R87.4	X		M	CULVERT	1											37.5				75	REMOVE MBGR
79	R87.4		X	M	CULVERT	1				1							37.5				65	REMOVE MBGR
	R87.4		X	O	CULVERT	1				1							50.0				75	REMOVE MBGR
80	R87.98	X		O	56-129R	1					1	1	9	0.71			50.0				77	REMOVE MBGR
	R87.98	X		M	56-129R		1				1	1	9	0.71			50.0				88	REMOVE MBGR
	R87.96		X	M	56-129L		1				1	1	9	0.71			50.0				95	REMOVE MBGR
	R87.96		X	O	56-129L	1					1	1	9	0.71			62.5				91	REMOVE MBGR
81	R89.1	X		O	CULVERT		1			1							25.0				65	REMOVE MBGR
	R89.1	X		M	CULVERT	1				1							37.5				65	REMOVE MBGR
	R89.1		X	M	CULVERT		1			1							37.5				75	REMOVE MBGR
	R89.1		X	O	CULVERT		1			1							50.0				90	REMOVE MBGR
82	R89.9	X		O	CULVERT	1				1							75.0				103	REMOVE MBGR
	R89.9	X		M	CULVERT		1			1							50.0				88	REMOVE MBGR
	R89.9		X	M	CULVERT		1			1							50.0				90	REMOVE MBGR
	R89.9		X	O	CULVERT		1			1							50.0				90	REMOVE MBGR
83	R90.1	X		M	56-0574				1								175.0				160	REMOVE MBGR
84	R90.2	X		M	CULVERT		1			1							25.0				65	REMOVE MBGR
	R90.2		X	M	CULVERT		1			1							37.5				79	REMOVE MBGR
84a	R95.9	X		O	CULVERT	1				1							50.0				80	REMOVE MBGR
	R95.9	X		M	CULVERT		1			1							25.0				65	REMOVE MBGR
	R95.9		X	M	CULVERT		1			1							37.5				80	REMOVE MBGR
	R95.9		X	O	CULVERT		1			1							25.0				80	REMOVE MBGR
84b	R96.2	X		O	CULVERT	1				1							37.5				65	REMOVE MBGR
	R96.2	X		M	CULVERT		1			1							25.0				65	REMOVE MBGR
	R96.2		X	M	CULVERT					1												REMOVE MBGR
	R96.2		X	O	CULVERT		1			1							37.5				80	REMOVE MBGR
84c	R97.7	X		O	CULVERT	1				1	~~1~~						37.5				65	REMOVE MBGR
	R97.7	X		M	CULVERT		1			1							25.0				65	REMOVE MBGR
	R97.7		X	M	CULVERT		1			1							25.0				65	REMOVE MBGR
	R97.7		X	O	CULVERT		1			1							37.5				80	REMOVE MBGR
84d	R97.9	X		O	CULVERT	1				1							50.0				80	REMOVE MBGR
	R97.9	X		M	CULVERT		1			1							37.5				80	REMOVE MBGR
	R97.9		X	M	CULVERT		1			1							37.5				80	REMOVE MBGR
	R97.9		X	O	CULVERT	1				1							50.0				80	REMOVE MBGR
84e	R98.2	X		O	CULVERT		1										37.5				80	REMOVE MBGR
	R98.2	X		M	CULVERT		1										37.5				80	REMOVE MBGR
	R98.3		X	M	CULVERT		1			1							25.0				65	REMOVE MBGR
	R98.3		X	O	CULVERT	1				1							50.0				80	REMOVE MBGR
85	R98.8	X		M	56-0105R				1								300				65	SALVAGE EXISTING END TREATMENT, INSTALL 150 Ft DOUBLE MBGR
	R98.81		X	M	56-0105L				1								300				90	SALVAGE EXISTING END TREATMENT, INSTALL 150 Ft DOUBLE MBGR
86	R99.34		X	O	CULVERT		1			1							37.5				80	REMOVE MBGR
87	R99.4	X		O	CULVERT		1			1							12.5					INSTALL NEW SYSTEM
88	R99.46	X		O	CULVERT		1			1							12.5					INSTALL NEW SYSTEM
89	R99.45		X	O	CULVERT		1			1							37.5				80	REMOVE MBGR, NEED EMBANKMENT REPAIR, FOR QUANTITIES SEE Q-10
90	R99.7	X		O	CULVERT		1			1							37.5				80	REMOVE MBGR
	R99.6		X	O	CULVERT		1			1							62.5				100	REMOVE MBGR
SUB TOTAL						28	34	0	3	42	10	12	-	8.76	462.5	212.5	3612.5	543	3.7	100	5106	

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4

REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	18	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 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.

REVISED BY | DATE REVISED

RAJBINDER S. GILL | RAFTAR SHARIATZADEH

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN DIVISION

LAST REVISION 01-20-10 | DATE PLOTTED => 20-OCT-2010 | TIME PLOTTED => 06:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	19	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 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.

ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	RAPID STRENGTH CONCRETE (MINOR STRUCTURE) (N)	ANCHOR BLOCK TYPE (N)	MINOR CONCRETE (MINOR STRUCTURE)	METAL BEAM GUARD RAILING (WOOD POST)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING	REMOVE METAL BEAM GUARD RAILING	REMARKS
						EA	EA	EA	EA	EA	EA	—	—	CY	LF	LF	TON	LF	LF	
91	R100.38	X		O	56-0099R						1	1	9	0.71				87.5		RE-CONSTRUCT MBGR
	R100.38	X		M	56-0099R				1		1	1	9	0.71	387.5				90	REMOVE MBGR
	R100.4		X	M	56-0099L		1				1	1	9	0.71	50.0				90	REMOVE MBGR
	R100.4		X	O	56-0099L	1					1	1	9	0.71	75.0				100	REMOVE MBGR
92	R100.57	X		O	56-0098R						1	1	9	0.71				75.0		RE-CONSTRUCT MBGR
	R100.57	X		M	56-0098R	1					1	1	9	0.71				62.5		RE-CONSTRUCT MBGR
	R100.7		X	M	56-0098L		1				1	1	9	0.71	50.0				90	REMOVE MBGR
	R100.7		X	O	56-0098L	1					1	1	9	0.71	62.5				90	REMOVE MBGR
93	R101.1	X		O	57-0097R	1					1	1	9	0.71	50.0				80	REMOVE MBGR
	R101.1	X		M	57-0097R	1					1	1	9	0.71	62.5				90	REMOVE MBGR
	R101.16		X	M	57-0097L	1					1	1	9	0.71	62.5				90	REMOVE MBGR
	R101.16		X	O	57-0097L		1				1	1	9	0.71	37.5				80	REMOVE MBGR
94	R101.2	X		O	CULVERT	1				1								62.5		RE-CONSTRUCT MBGR
	R101.2	X		M	CULVERT													100.0		RE-CONSTRUCT MBGR
	R101.2		X	M	CULVERT		1			1					25.0				65	REMOVE MBGR
	R101.2		X	O	CULVERT	1				1					37.5				64	REMOVE MBGR
95	R101.8	X		O	CULVERT					1								75.0		RE-CONSTRUCT MBGR
	R101.8	X		M	CULVERT					1					75.0					
	R101.8		X	M	CULVERT		1			1					25.0			25.0		RE-CONSTRUCT MBGR
	R101.8		X	O	CULVERT	1				1								37.5		RE-CONSTRUCT MBGR
96	R102.01	X		O	56-0575R	1					1	1	9	0.71	50.0					RE-CONSTRUCT MBGR
	R102.01	X		M	56-0575R		1				1	1	9	0.71	50.0				80	~~RE-CONSTRUCT~~ REMOVE MBGR
	R102.01		X	M	56-0575L		1				1	1	9	0.71	37.5				75	REMOVE MBGR
	R102.01		X	O	56-0575L	1					1	1	9	0.71	37.5				75	REMOVE MBGR
97	R102.2	X		O	CULVERT	1									37.5				65	REMOVE MBGR, PROTECT IN PLACE CALL BOX
	R102.2	X		M	CULVERT													75.0		RE-CONSTRUCT MBGR
	R102.2		X	M	CULVERT	1				1					37.5				75	REMOVE MBGR
	R102.2		X	O	CULVERT		1			1					37.5				80	REMOVE MBGR
98	R102.6	X		O	56-0576R						1	1		0.71				750.0		RE-CONSTRUCT MBGR
	R102.6	X		M	56-0576R						1	1		0.71				87.5		RE-CONSTRUCT MBGR
	R102.63		X	M	56-0576L				1		1	1	9	0.71	387.5				90	REMOVE MBGR
	R102.63		X	O	56-0576L					1		1(D)	9	0.71				87.5		RE-CONSTRUCT MBGR. 1(D) MEANS ONE TRANSITION ANCHOR BLOCK IN DEPARTURE.
	R102.63		X	O	56-0576L	1					1	1		0.71	37.5				75	REMOVE MBGR
99	R103.27	X		O	CULVERT													75.0		RE-CONSTRUCT MBGR
	R103.27	X		M	CULVERT													75.0		RE-CONSTRUCT MBGR
100	R103.3		X	M	CULVERT		1			1					25.0				65	REMOVE MBGR
	R103.3		X	O	CULVERT		1			1					25.0				65	REMOVE MBGR
101	R104	X		O	CULVERT		1			1					25.0				75	REMOVE MBGR
	R104	X		M	CULVERT		1			1					25.0				75	REMOVE MBGR
102	R104		X	M	CULVERT		1			1					25.0				75	REMOVE MBGR
	R104		X	O	CULVERT		1			1					37.5				80	REMOVE MBGR, PROTECT IN PLACE CALL BOX No.10-1043 TO THE END OF END TREATMENT
103	R104.4	X		O	CULVERT		1			1					50.0				90	REMOVE MBGR
104	R104.4		X	O	CULVERT		1			1					50.0				90	REMOVE MBGR
105	R104.7	X		O	56-0640R		1			1					50.0				90	REMOVE MBGR
	R104.7	X		M	56-0640R		1			1					50.0				90	REMOVE MBGR
	R104.7		X	M	56-0640L		1			1					50.0				90	REMOVE MBGR
	R104.7		X	O	56-0640L		1			1					50.0				90	REMOVE MBGR
106	R105.11	X		O	56-0577R		1				1	1	9	0.71				137.5		RE-CONSTRUCT MBGR
	R105.11	X		M	56-0577R						1	1	9	0.71				225.0		RE-CONSTRUCT MBGR
	R105.11		X	M	56-0577L		1				1	1	9	0.71				175.0		RE-CONSTRUCT MBGR
	R105.11		X	O	56-0577L						1	1	9	0.71				187.5		RE-CONSTRUCT MBGR
107	R106.1	X		O	56-046R					1								212.5		RE-CONSTRUCT MBGR
	R106.1	X		M	56-046R					1								250.0		RE-CONSTRUCT MBGR
	R106.16		X	M	56-046L				1	1					387.5				250	REMOVE MBGR
	R106.16		X	O	56-046L					1								250.0		RE-CONSTRUCT MBGR
108	R106.62	X		O	56-0045R		1				1	1	8	0.95				137.5		RE-CONSTRUCT MBGR
	R106.62	X		M	56-0045R						1	1	8	0.95				225.0		RE-CONSTRUCT MBGR
	R106.64		X	M	56-0045L						1	1	8	0.95				225.0		RE-CONSTRUCT MBGR
	R106.64		X	O	56-0045L						1	1	8	0.95				187.5		RE-CONSTRUCT MBGR
SUB TOTAL						14	23	0	3	26	28	29	-	21.55	2562.5			3887.5	2769	

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

4 REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF
CALCULATED-DESIGNED BY: RAJBINDER S. GILL
CHECKED BY: RAFTAR SHARIATZADEH
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 20-OCT-2010
01-20-10 TIME PLOTTED => 06:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	21	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 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.

ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	RAPID STRENGTH CONCRETE (MINOR STRUCTURE) (N)	ANCHOR BLOCK TYPE (N)	MINOR CONCRETE (MINOR STRUCTURE)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (WOOD POST)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING	4 REMOVE METAL BEAM GUARD RAILING	4 REMARKS
						EA	EA	EA	EA	EA	EA	—	—	CY	LF	LF	LF	LF	TON	LF	LF	
126	R126.2	X		O	56-0553R						1	1	8	0.95						187.5		RE-CONSTRUCT MBGR
	R126.2	X		M	56-0553R						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R126.29		X	M	56-0553L						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R126.29		X	O	56-0553L						1	1	8	0.95						187.5		RE-CONSTRUCT MBGR
127	R126.9	X		O	56-0554R						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
	R126.9	X		M	56-0554R						1	1	8	0.95						237.5		RE-CONSTRUCT MBGR
	R127		X	M	56-0554L						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
	R127		X	O	56-0554L						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
128	R127.9	X		O	56-0555R						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
	R127.9	X		M	56-0555R						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R128		X	M	56-0555L						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R128		X	O	56-0555L						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR, PROTECT IN PLACE CALL BOX
129	R129.5	X		O	56-0556R						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
	R129.5	X		M	56-0556R						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R129.54		X	M	56-0556L		1				1	1	8	0.95						175.0		RE-CONSTRUCT MBGR
	R129.54		X	O	56-0556L						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
130	R129.9	X		M	56-0557												87.5				80	REMOVE DAMAGED EXISTING SYSTEM, INSTALL NEW SYSTEM.
	R129.93		X	M	56-0557												87.5				80	REMOVE THE DAMAGED EXISTING SYSTEM, INSTALL NEW SYSTEM.
131	R130.86	X		O	56-0020R						1	1	8	0.95						187.5		RE-CONSTRUCT MBGR
	R130.86	X		M	56-0020R						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R130.89		X	M	56-0020L		1				1	1	8	0.95						187.5		RE-CONSTRUCT MBGR
	R130.89		X	O	56-0020L						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR
132	R134	X		O	56-0019R						1	1	8	0.95						187.5		RE-CONSTRUCT MBGR, PROTECT IN PLACE CALL BOX No.10-1342
	R134	X		M	56-0019R						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R134		X	M	56-0019L						1	1	8	0.95						225.0		RE-CONSTRUCT MBGR
	R134		X	O	56-0019L						1	1	8	0.95						200.0		RE-CONSTRUCT MBGR, PROTECT IN PLACE CALL BOX No.10-1343
133	R135.05	X		M	56-0564				1								87.5					INSTALL NEW SYSTEM FOR MEDIAN
	R135.05		X	M	56-0564				1								87.5					INSTALL NEW SYSTEM FOR MEDIAN
134	R136.15	X		O	56-0017R	1					1	1	8	0.95			62.5				90	REMOVE MBGR
	R136.15	X		M	56-0017R	1					1	1	8	0.95			75.0				100	REMOVE MBGR
	R136.16		X	M	56-0017L	1					1	1	8	0.95			75.0				100	REMOVE MBGR
	R136.16		X	O	56-0017L	1					1	1	8	0.95			62.5				90	REMOVE MBGR
135	R138.29	X		O	56-0016R	1					1	1	8	0.95	50	37.5	50	76	0.5		75	REMOVE MBGR
	R138.29	X		M	56-0016R	1					1	1	8	0.95			12.5				40	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R138.3		X	M	56-0016L	1					1	1	8	0.95			12.5				40	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R138.3		X	O	56-0016L	1					1	1	8	0.95			12.5				40	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
136	R139.15	X		O	56-0015R	1					1	1	8	0.95			25				75	REMOVE MBGR
	R139.15	X		M	56-0015R	1					1	1	8	0.95			12.5				40	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R139.15		X	M	56-0015L	1					1	1	8	0.95			12.5				40	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R139.15		X	O	56-0015L	1					1	1	8	0.95			12.5				40	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
137	R142.6	X		O	56-014R	1					1	1	8 CASE 2	0.95			12.5				100	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R142.6	X		M	56-014R	1					1	1	8 CASE 2	0.95			12.5				100	REMOVE BRIDGE APPROACH GUARD RAILING, FOR DETAILS SEE C-2
	R142.64		X	M	56-0014L	1					1	1	8 CASE 2	0.95			62.5				100	REMOVE EXISTING MINOR CONCRETE
	R142.64		X	O	56-0014L	1					1	1	8 CASE 2	0.95			62.5				100	REMOVE EXISTING MINOR CONCRETE
138	R144.48		X	R	RAMP					1										600.0		WEIGH STATION "PROTECT IN PLACE CRASH CUSHION"
	R144.48		X	R	RAMP															90.0		WEIGH STATION
	R144.48		X	O	RAMP		1			1						50		90	0.3	50.0		WEIGH STATION
139	R145.12	X	X	M	56-0565												175.0					INSTALL NEW SYSTEM FOR MEDIAN
140	R146.8	X		O	56-0604R						1	1	9 CASE 2	0.79						50.0		RE-CONSTRUCT MBGR
	R146.8	X		M	56-0604R				1		1	1	9 CASE 2	0.79			300.0				165	REMOVE MBGR
	R146.91		X	M	56-0604L				1		1	1	9 CASE 2	0.79			300.0				163	
	R146.91		X	O	56-0604L	1					1	1	9 CASE 2	0.79	37.5	37.5	37.5	65	0.5		65	REMOVE MBGR
141	R148.56	X		O	56-0588R	1					1	1	8 CASE 2	0.95	37.5	37.5	37.5	64	0.5		65	REMOVE MBGR
	R148.56	X		M	56-0588R				1		1	1	8 CASE 2	0.95			300.0				115	REMOVE MBGR, REMOVE EXISTING MINOR CONCRETE
	R148.56		X	M	56-0588L				1		1	1	8 CASE 2	0.95			300.0				115	REMOVE MBGR
	R148.56		X	O	56-0588L	1					1	1	8 CASE 2	0.95			37.5				64	50-FEET WIDE MEDIAN
142	R149.16	X	X	M	56-0569												175.0				90	REMOVE MBGR
143	R150.16	X	X	M	56-0589												175.0				90	REMOVE MBGR
144	R151.16	X	X	M	56-0590												175.0				90	REMOVE MBGR
SUB TOTAL						19	3		6	2	48	48	-	44.96	125	162.5	2937.5	295	1.8	5740	2352	

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4 REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF
CALCULATED-DESIGNED BY: RAJBINDER S. GILL
CHECKED BY: RAFTAR SHARIATZADEH
REVISED BY
DATE REVISED

LAST REVISION 01-20-10
DATE PLOTTED => 20-OCT-2010
TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	22	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 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.

ROADWAY QUANTITIES ROUTE 10

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	POSITION (M-MEDIAN, O-OUTSIDE)	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	RAPID STRENGTH CONCRETE (MINOR STRUCTURE) (N)	ANCHOR BLOCK TYPE (N)	MINOR CONCRETE (MINOR STRUCTURE)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (WOOD POST)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING	4 REMOVE METAL BEAM GUARD RAILING	CRASH CUSHION (REACT 9CBB)	REMOVE CRASH CUSHION, SAND FILLED	REMARKS
						EA	EA	EA	EA	EA	EA	-	-	CY	LF	LF	LF	LF	TON	LF	LF	EA	EA	
145	R151.82	X		O	-																			NO WORK AT THE LOCATION
146	R152.15	X		O	56-0592R						1	1	9 CASE 2	0.79						50				RECONSTRUCT MBGR, PROTECT DOWN DRAIN IN PLACE.
	R152.15	X		M	56-0592R				1		1	1	9 CASE 2	0.79			275.0				165			REMOVE MBGR
	R152.18		X	M	56-0592L				1		1	1	9 CASE 2	0.79			275.0				165			REMOVE MBGR
	R152.18		X	O	56-0592L	1					1	1	9 CASE 2	0.79	37.5	37.5	37.5	65	0.5		65			REMOVE MBGR
147	R152.4	X		O	56-0593R	1					1	1	9 CASE 2	0.79	12.5	37.5	12.5		0.4		65			REMOVE MBGR
	R152.4	X		M	56-0593R				1		1	1	9 CASE 2	0.79			275.0				100			REMOVE MBGR
	R152.52		X	M	56-0593L				1		1	1	9 CASE 2	0.79			275.0				100			REMOVE MBGR
	R152.52		X	O	56-0593L	1					1	1	9 CASE 2	0.79	12.5	37.5	12.5		0.4		65			REMOVE MBGR
148	R152.65	X		O	56-0595R						1	1	9 CASE 2	0.79					0.4	50				RECONSTRUCT MBGR
	R152.65	X		M	56-0595R				1		1	1	9 CASE 2	0.79			275.0				165			REMOVE MBGR
	R152.68		X	M	56-0595L				1		1	1	9 CASE 2	0.79	275		275.0	164	1.7		165			~~RECONSTRUCT~~ REMOVE MBGR
	R152.68		X	O	56-0595L	1					1	1	9 CASE 2	0.79	37.5	37.5	37.5	65	0.5		65			REMOVE MBGR
149	R152.86	X		O	56-0596		1			1							137.5				180			BLYTHE PEDESTRIAN OVERCROSSING. REMOVE MBGR
	R152.86	X		M	56-0596												87.5				65			BLYTHE PEDESTRIAN OVERCROSSING. REMOVE MBGR
	R152.86		X	M	56-0596												87.5				65			BLYTHE PEDESTRIAN OVERCROSSING. INSTALL NEW SYSTEM FOR MEDIAN
	R152.90		X	O	56-0596		1			1										187.5				BLYTHE PEDESTRIAN OVERCROSSING. RECONSTRUCT MBGR
150	R153.16		X	O	56-0597L	1					1	1	9	0.71		37.5		165	0.3	112.5				RECONSTRUCT MBGR
	R153.16		X	M	56-0597L				1		1	1	9	0.71	275		275.0	65	1.7		65			REMOVE MBGR
	R153.16	X		O	56-0597R				1		1	1	9	0.71	275		275.0	65	1.7		65			REMOVE MBGR
	R153.16	X		M	56-0597R						1	1	9	0.71						150				RECONSTRUCT MBGR
151	R153.4		X	O	-															87.5				RECONSTRUCT MBGR
152	R154.18	X		O	56-0598L	1					1	1	9	0.71		37.5		65	0.3					RECONSTRUCT MBGR
	R154.18	X		M	56-0598L				1		1	1	9	0.71			275.0				150			REMOVE MBGR
	R154.18		X	M	56-0598R				1		1	1	9	0.71			275.0				150			REMOVE MBGR, PROTECT IN PLACE CALL BOX No.10-1543
	R154.18		X	O	56-0598R						1	1	9	0.71						50				RECONSTRUCT MBGR
153	R156.3	X		O	56-0008						1	1	9-11	1.13						50				RECONSTRUCT MBGR
	R156.3	X		M	-																	1	9	REACT (TYPE 9CBB) CRASH-CUSHION SYSTEM
SUB TOTAL						6	2	0	10	2	21	21	-	16.29	925	225	3162.5	654	7.9	737.5	1860	1	9	

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4 REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

CALCULATED-DESIGNED BY RAJBINDER S. GILL
CHECKED BY RAFTAR SHARIATZADEH
FUNCTIONAL SUPERVISOR MUSTAPHA RAOUF
REVISED BY
DATE REVISED

LAST REVISION 01-20-10 DATE PLOTTED => 20-OCT-2010 TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv,SBd	10,62, 243	Var	23	95

REGISTERED CIVIL ENGINEER 1-20-10 DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RAFTER SHARIATZADEH No. C72941 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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ROADWAY QUANTITIES ROUTE 243

LOCATION No.	POSTMILE	SOUTH BOUND	NORTH BOUND	BRIDGE No.	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE IN LINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	TRANSITION RAILING (TYPE WB)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (STEEL POST)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	REMOVE METAL BEAM GUARD RAILING	REMARKS
					EA	EA	EA	EA	LF	LF	LF	LF	TON	LF	
154	1.50	X			2						362.5			437	REQUIRES MINOR GRADING
155	2.00	X			2						387.5			463	REQUIRES MINOR GRADING
156	2.23	X			1	1					87.5			173	
157	2.37	X				2					200			292	
158	2.48	X			1	1					62.5			148	
159	2.72	X			1	1					275			357	
160	2.91	X			1	1					12.5			93	
161	3.41	X			1	1					12.5			89	
162	3.98	X		56-0789	2			2			64			64	
163	3.98		X	56-0789	1	1		2			64			64	
164	6.00	X			2						150			188	
165	6.30	X				1	1				612.5			690	
166	6.73	X			2									77	
167	7.00		X		2						75			149	
168	7.04		X		1	1					175			263	
169	7.14	X			2						25			101	
170	7.79		X		1	1								55	
171	8.62	X			1	1			25	50	75	75	0.5	155	
172	8.80		X		2						137.5			207	REQUIRES MINOR GRADING
173	9.53	X			2						62.5			127	
174	9.57	X			2						350			426	REQUIRES MINOR GRADING
175	10.38		X		1		1				175			249	
176	10.77		X		1	1					137.5			204	
177	11.23		X		2						125			199	REQUIRES MINOR GRADING
178	11.60	X			1	1					75			154	
179	12.00		X		2						125			196	REQUIRES MINOR GRADING
180	12.13	X			1	1					425			512	REQUIRES MINOR GRADING
SUB TOTAL					37	15	2	4	25	50	4253	75	0.5	6132	

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ROUTE 62 ROADWAY QUANTITIES

LOCATION No.	POSTMILE	EAST BOUND	WEST BOUND	ALTERNATIVE FLARED TERMINAL SYSTEM	METAL BEAM GUARD RAILING (STEEL POST)	REMOVE METAL BEAM GUARD RAILING
				EA	LF	LF
181	108.04	X		2	25	88
182	108.04		X	2	25	88
183	130.04	X		2	25	63
184	130.04		X	2	25	88
SUB TOTAL				8	100	327

GRAND TOTAL ROADWAY QUANTITIES ROUTE 10, 62 & 243

	ALTERNATIVE FLARED TERMINAL SYSTEM (4)	ALTERNATIVE INLINE TERMINAL SYSTEM	BURIED POST ANCHOR (N)	CRASH CUSHION (TYPE CAT)	TERMINAL ANCHOR ASSEMBLY (TYPE SFT) (4)	TRANSITION RAILING (TYPE WB) (4)	MINOR CONCRETE (MINOR STRUCTURE)	PLACE ASPHALT CONCRETE DIKE (TYPE F)	PLACE ASPHALT CONCRETE DIKE (TYPE C)	METAL BEAM GUARD RAILING (WOOD POST) (4)	REMOVE ASPHALT CONCRETE DIKE	MINOR HOT MIX ASPHALT	RECONSTRUCT METAL BEAM GUARD RAILING (4)	REMOVE METAL BEAM GUARD RAILING (4)	CRASH CUSHION (REACT 9CBB)	REMOVE CRASH CUSHION (SAND FILLED)	METAL BEAM GUARD RAILING (STEEL POST)
	EA	EA	EA	EA	EA	EA	CY	LF	LF	LF	LF	TON	LF	LF	EA	EA	LF
GRAND TOTAL	151	116	12	36	120	229	207	3225	1925	21863	9084	35.5	42671	22132	1	9	4353

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(4) REVISED PER ADDENDUM No. 4, DATED OCTOBER 21, 2010

SUMMARY OF QUANTITIES

Q-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

FUNCTIONAL SUPERVISOR: MUSTAPHA RAOUF
CALCULATED-DESIGNED BY: RAJBINDER S. GILL
CHECKED BY: RAFTAR SHARIATZADEH
REVISED BY
DATE REVISED

LAST REVISION 01-20-10
DATE PLOTTED => 20-OCT-2010
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