Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5	10.0/20.0	2	14

REGISTERED CIVIL ENGINEER 05-05-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARYAM RASTEGAR No. 65550 Exp. 9-30-17 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.

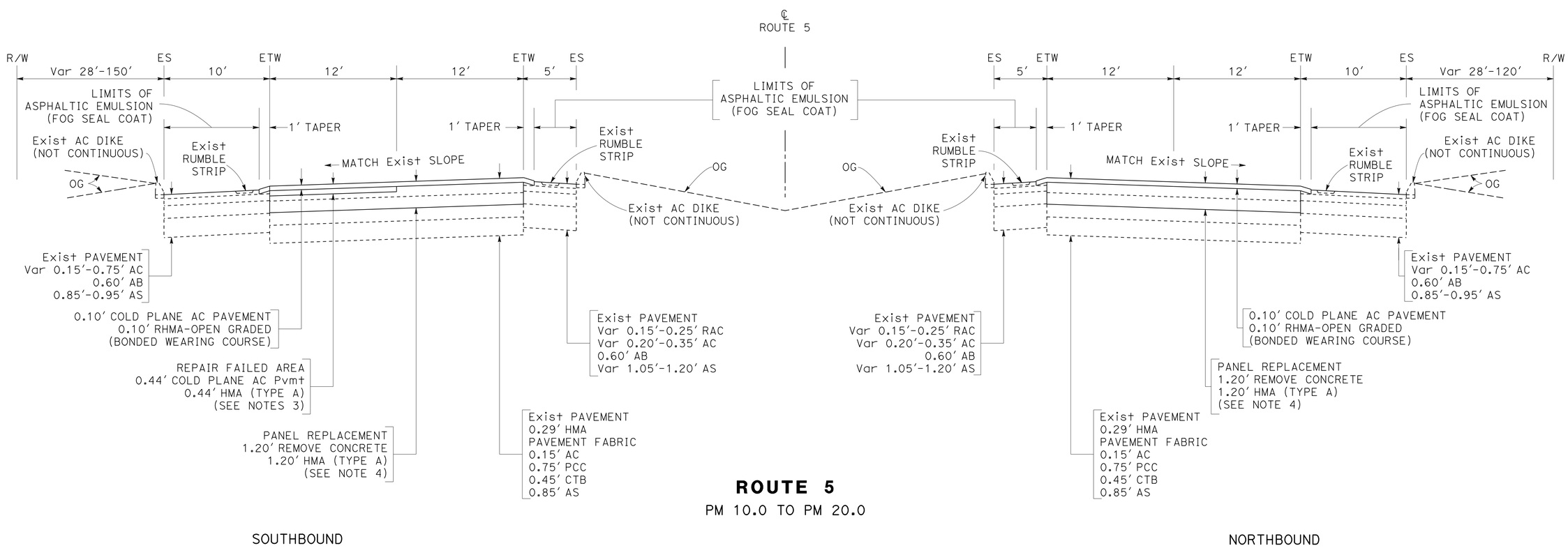
PAVEMENT CLIMATE REGION

INLAND VALLEY

4

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. SEE REPAIR FAILED AREA TABLE ON Q-1 SHEET FOR DIMENSIONS AND LOCATIONS OF COLD PLANE AC PAVEMENT AND HMA (TYPE A).
4. SEE PANEL REPLACEMENT TABLE ON Q-1 SHEET FOR LOCATIONS OF REMOVE CONCRETE PAVEMENT (CY) AND HMA (TYPE A).



4 **REPLACED PER ADDENDUM No. 4 DATED AUGUST 29, 2016**

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED-DESIGNED BY: TRINIDAD ANGUIANO
CHECKED BY: MARYAM RASTEGAR
REVISED BY
DATE REVISED

LAST REVISION 06-14-16 | DATE PLOTTED => 25-AUG-2016 | TIME PLOTTED => 13:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5	10.0/20.0	6	14

4

REGISTERED CIVIL ENGINEER 05-05-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARYAM RASTEGAR No. 65550 Exp. 9-30-17 CIVIL STATE OF CALIFORNIA

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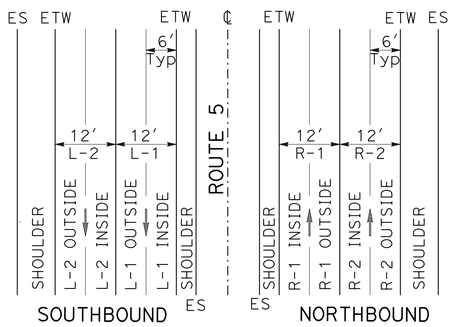
NOTES:

1. EXACT LOCATIONS OF PANEL REPLACEMENT AND REPAIR FAILED AREA TO BE DETERMINED BY THE ENGINEER.
2. ** QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE.



LANE DESCRIPTION CHART

PANEL REPLACEMENT (NORTHBOUND)

POST MILE	LANE	LENGTH	WIDTH	DEPTH	REMOVE CONCRETE PAVEMENT	HMA (TYPE A)
		FT	FT	FT	CY	TON
10.273	R-2	7	12	1.2	3.7	7.7
10.336	R-2	7	12	1.2	3.7	7.7
10.881	R-2	7	12	1.2	3.7	7.7
10.884	R-2	7	12	1.2	3.7	7.7
10.896	R-2	7	12	1.2	3.7	7.7
10.966	R-2	7	12	1.2	3.7	7.7
11.060	R-2	7	12	1.2	3.7	7.7
11.795	R-2	7	12	1.2	3.7	7.7
11.928	R-2	15	12	1.2	8.0	16.4
11.939	R-2	15	12	1.2	8.0	16.4
11.946	R-2	7	12	1.2	3.7	7.7
12.216	R-2	7	12	1.2	3.7	7.7
12.223	R-2	15	12	1.2	8.0	16.4
12.239	R-2	7	12	1.2	3.7	7.7
12.451	R-2	7	12	1.2	3.7	7.7
12.522	R-2	15	12	1.2	8.0	16.4
12.615	R-2	7	12	1.2	3.7	7.7
12.618	R-2	7	12	1.2	3.7	7.7
12.645	R-2	15	12	1.2	8.0	16.4
12.648	R-2	15	12	1.2	8.0	16.4
12.758	R-2	7	12	1.2	3.7	7.7
15.925	R-2	15	12	1.2	8.0	16.4
15.936	R-2	15	12	1.2	8.0	16.4
15.938	R-2	15	12	1.2	8.0	16.4
15.940	R-2	15	12	1.2	8.0	16.4
15.947	R-1	15	12	1.2	8.0	16.4
15.955	R-2	15	12	1.2	8.0	16.4
15.992	R-2	15	12	1.2	8.0	16.4
17.942	R-2	15	12	1.2	8.0	16.4
17.944	R-2	7	12	1.2	3.7	7.7
17.981	R-2	7	12	1.2	3.7	7.7
17.989	R-2	15	12	1.2	8.0	16.4
19.604	R-2	7	12	1.2	3.7	7.7
19.606	R-2	15	12	1.2	8.0	16.4
(NB) SUBTOTAL					194.6	401.0

PANEL REPLACEMENT (SOUTHBOUND)

POST MILE	LANE	LENGTH	WIDTH	DEPTH	REMOVE CONCRETE PAVEMENT	HMA (TYPE A)
		FT	FT	FT	CY	TON
19.839	L-2	7	12	1.2	3.7	7.7
19.466	L-2	7	12	1.2	3.7	7.7
18.445	L-2	15	12	1.2	8.0	16.4
17.741	L-2	7	12	1.2	3.7	7.7
16.114	L-2	7	12	1.2	3.7	7.7
15.982	L-1	7	12	1.2	3.7	7.7
13.065	L-2	7	12	1.2	3.7	7.7
13.000	L-2	7	12	1.2	3.7	7.7
12.814	L-2	7	12	1.2	3.7	7.7
12.763	L-2	7	12	1.2	3.7	7.7
12.684	L-2	15	12	1.2	8.0	16.4
12.584	L-2	7	12	1.2	3.7	7.7
12.579	L-2	7	12	1.2	3.7	7.7
12.524	L-2	7	12	1.2	3.7	7.7
12.460	L-2	7	12	1.2	3.7	7.7
12.360	L-2	7	12	1.2	3.7	7.7
12.337	L-2	7	12	1.2	3.7	7.7
12.194	L-2	7	12	1.2	3.7	7.7
12.047	L-2	7	12	1.2	3.7	7.7
10.894	L-2	7	12	1.2	3.7	7.7
10.890	L-2	7	12	1.2	3.7	7.7
10.888	L-2	15	12	1.2	8.0	16.4
10.886	L-2	7	12	1.2	3.7	7.7
10.852	L-2	15	12	1.2	8.0	16.4
10.806	L-2	7	12	1.2	3.7	7.7
10.756	L-2	7	12	1.2	3.7	7.7
10.748	L-2	15	12	1.2	8.0	16.4
10.663	L-2	7	12	1.2	3.7	7.7
10.661	L-2	15	12	1.2	8.0	16.4
10.643	L-2	15	12	1.2	8.0	16.4
10.629	L-2	15	12	1.2	8.0	16.4
10.602	L-2	15	12	1.2	8.0	16.4
10.599	L-2	15	12	1.2	8.0	16.4
10.596	L-2	15	12	1.2	8.0	16.4
10.485	L-2	15	12	1.2	8.0	16.4
10.353	L-2	7	12	1.2	3.7	7.7
10.278	L-2	15	12	1.2	8.0	16.4
10.207	L-2	15	12	1.2	8.0	16.4
10.157	L-2	15	12	1.2	8.0	16.4
10.155	L-2	7	12	1.2	3.7	7.7
(SB) SUBTOTAL					212.5	438.5
(NB) SUBTOTAL					194.6	401.0
TOTAL					407.1	839.5**

REPAIR FAILED AREA

BEGIN POST MILE	END POST MILE	LANE	LENGTH	WIDTH	DEPTH	COLD PLANE AC PAVEMENT	HMA (TYPE A)
			FT	FT	FT	SQYD	TON
19.119	19.085	L-2 OUTSIDE	180	6	0.44	120.0	36.1
18.989	18.934	L-2 OUTSIDE	290	6	0.44	193.3	58.4
18.164	18.161	L-2 OUTSIDE	16	6	0.44	10.7	3.2
17.697	17.691	L-2 OUTSIDE	32	6	0.44	21.3	6.4
17.659	17.657	L-2 OUTSIDE	11	6	0.44	7.3	2.1
17.650	17.645	L-2 OUTSIDE - (ON RAMP MERGE)	26	6	0.44	17.3	5.3
16.463	16.454	L-2 INSIDE	48	6	0.44	32.0	9.6
TOTAL						401.9**	121.1**

4 **REPLACED PER ADDENDUM No. 4 DATED AUGUST 29, 2016**

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED-DESIGNED BY: TRINIDAD ANGUIANO
CHECKED BY: MARYAM RASTEGAR
REVISED BY
DATE REVISED

LAST REVISION 06-14-16
DATE PLOTTED => 25-AUG-2016
TIME PLOTTED => 13:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5	10.0/20.0	7	14

REGISTERED CIVIL ENGINEER 05-05-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARYAM RASTEGAR No. 65550 Exp. 9-30-17 CIVIL STATE OF CALIFORNIA

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ROADWAY QUANTITIES

LOCATIONS	COLD PLANE ASPHALT CONCRETE PAVEMENT	ASPHALTIC EMULSION (FOG SEAL COAT)	HOT MIX ASPHALT (TYPE A)	ASPHALTIC EMULSION (BONDED WEARING COURSE)	RHMA-OPEN GRADED (BONDED WEARING COURSE)	TACK COAT
	SQYD	TON	TON	TON	TON	TON
PM 10.0 TO PM 20.0	307,147.0	72.0	4	293.6	18,739.0	
RAMP QUANTITIES	17,513.0	3.3		16.4	1,046.6	
PANEL REPLACEMENT			839.5			0.8
REPAIR FAILED AREA	401.9		121.1			0.2
TOTAL	325,061.9	75.3	960.6	310	19,785.6	1.0

RAMP QUANTITIES

LOCATION		COLD PLANE ASPHALT CONCRETE PAVEMENT	ASPHALTIC EMULSION (FOG SEAL COAT)	ASPHALTIC EMULSION (BONDED WEARING COURSE)	RHMA-OPEN GRADED (BONDED WEARING COURSE)
		TON	TON	TON	TON
ROUTE 198	NB ON/OFF RAMPS	7,633	1.4	7.2	460.1
ROUTE 198	SB ON/OFF RAMPS	5,432	0.9	5.1	324.8
ROUTE 33/145	NB ON/OFF RAMPS	2,098	0.5	1.9	123.1
ROUTE 33/145	SB ON/OFF RAMPS	2,350	0.5	2.2	138.6
TOTAL		17,513 **	3.3**	16.4**	1046.6 **

** INCLUDED IN ROADWAY QUANTITIES TABLE

PAVEMENT DELINEATION QUANTITIES

LOCATION	DIRECTION	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)		THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKING		REMOVE PAVEMENT MARKER (N)
			TYPE G ONE-WAY CLEAR	TYPE H ONE-WAY YELLOW	4" (BROKEN 36-12)	4" (BROKEN 17-7)	4" WHITE	4" YELLOW	8" WHITE			
			EA	EA	LF	LF	LF	LF	LF	DESCRIPTION	SQFT	EA
PM 10.0 TO PM 20.0	NB	12	1102		52,800					10-CHP MARKING	120	1102
		25		1102				52,800				1102
		27B					52,800					
		36	82						993			82
		36A	78			851			946			78
PM 10.0 TO PM 20.0	SB	12	1102		52,800					10-CHP MARKING	120	1102
		25		1102				52,800				1102
		27B					52,800					
		36	92						1087			92
		36A	86			740			1019			86
SUB TOTAL			2542	2204	105,600	1591	105,600	105,600	4045		240	
TOTAL			4746		105,600	1591	211,200		4045		240	

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

4 **REPLACED PER ADDENDUM No. 4 DATED AUGUST 29, 2016**

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED-DESIGNED BY: TRINIDAD ANGUIANO
CHECKED BY: MARYAM RASTEGAR
REVISED BY / DATE REVISED

LAST REVISION 06-14-16
DATE PLOTTED => 25-AUG-2016
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