Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SBt	156	R10.0/R18.4	2	89

REGISTERED CIVIL ENGINEER 6-13-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MATTHEW J. KORVE No. 63248 Exp. 6-30-18 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.

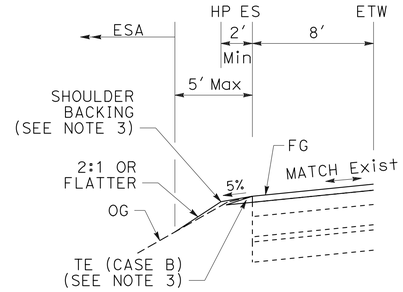
AECOM
2020 L STREET
SUITE 400
SACRAMENTO, CA 95811

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. PLACE TAPERED EDGE OUTSIDE THE LIMITS OF DIKES, MIDWEST GUARDRAIL SYSTEM, CONCRETE BARRIERS, AND INTERSECTIONS, PER REVISED STANDARD PLAN RSP P74-P75.
3. EXACT LOCATIONS AND TYPE OF HMA DIKE, MIDWEST GUARDRAIL SYSTEM, VEGETATION CONTROL, SHOULDER BACKING, RUMBLE STRIP AND REMOVAL OF EXISTING FEATURES, SEE CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES SHEETS.
4. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.
5. CONFORM FINISHED GRADE TO EXISTING DRAINAGE INLETS, OVERSIDE DRAINS, AND OTHER FEATURES AS SHOWN OR AS DIRECTED BY THE ENGINEER.
6. FOR REPAIR FAILED AREA DETAIL AND LOCATIONS, SEE CONSTRUCTION DETAILS SHEET C-5 AND SUMMARY OF QUANTITIES SHEET Q-4.

ABBREVIATION:

TE TAPERED EDGE



EMBANKMENT WITH TAPERED EDGE
(RIGHT SIDE SIMILAR)

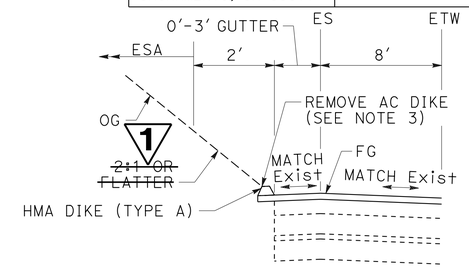
DESIGN DESIGNATION

ROUTE 156

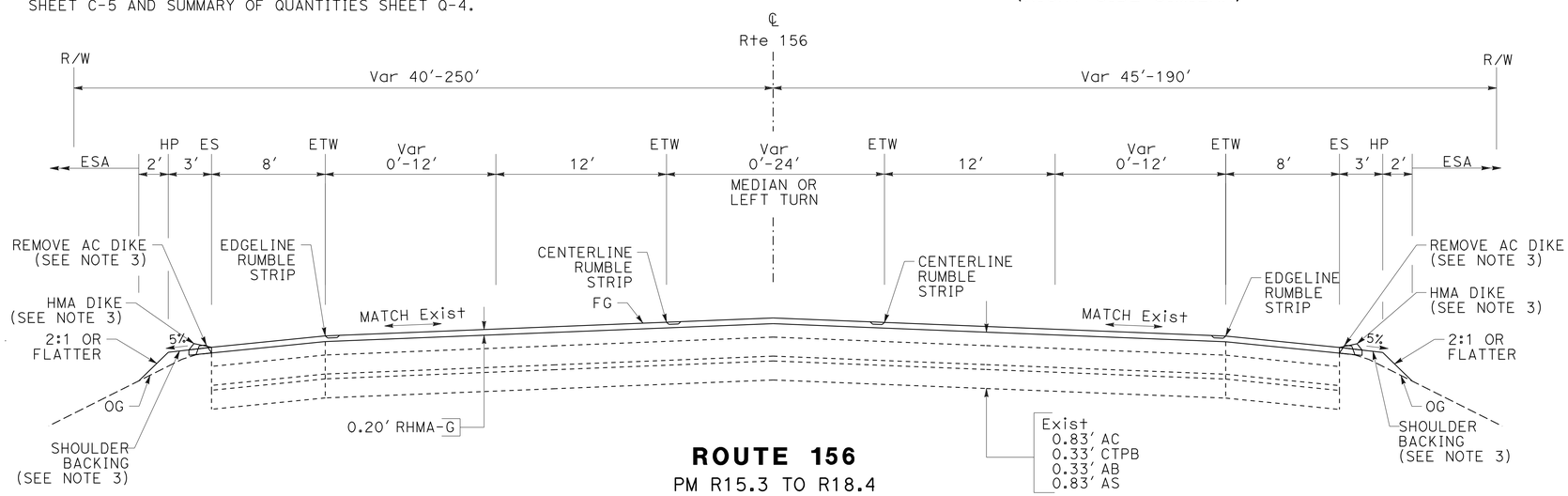
ADT (2016)	11,823	D	63%
ADT (2036)	16,749	T	14%
DHV	2,044	V	55 mph
		TI_{20}	12.0

PAVEMENT CLIMATE REGION:

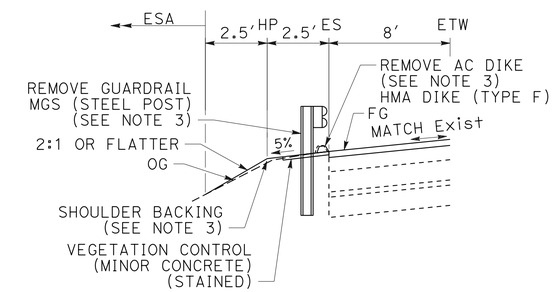
CENTRAL COAST



CUT WITH HMA DIKE
(RIGHT SIDE SIMILAR)

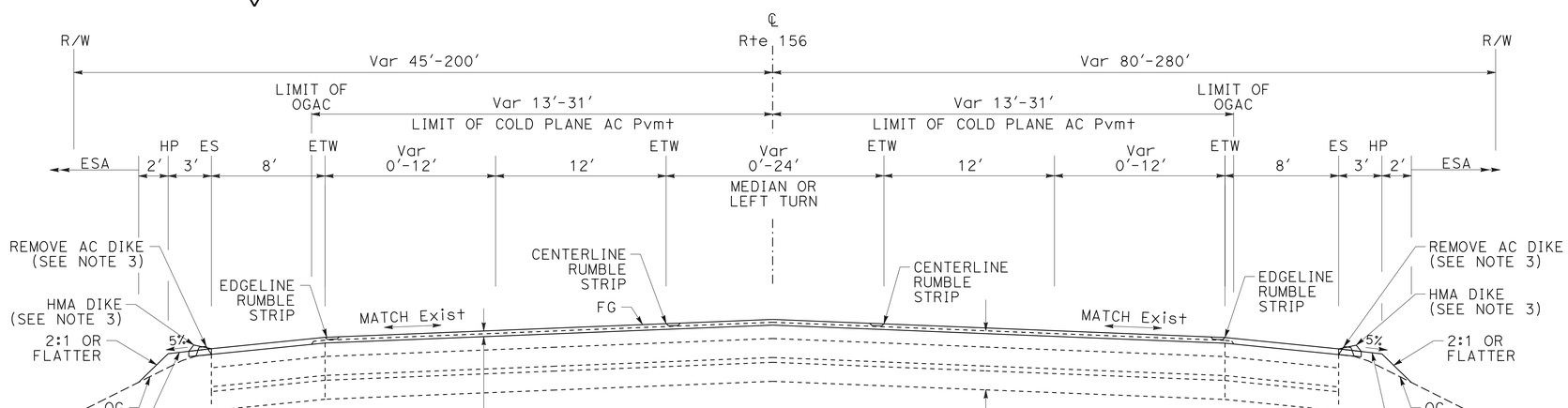


ROUTE 156
PM R15.3 TO R18.4

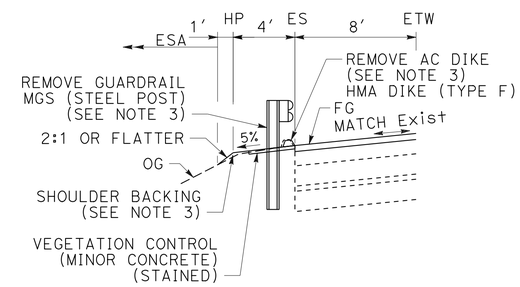


MGS NARROW ROADWAY INSTALLATION
(RIGHT SIDE SIMILAR)

1 REPLACED PER ADDENDUM No. 1 DATED OCTOBER 10, 2016



ROUTE 156
PM R15.0 TO R15.3
PM R10.0 TO R13.8



MGS TYPICAL ROADWAY INSTALLATION
(RIGHT SIDE SIMILAR)

THE LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITY FACILITIES. UTILITIES ARE NOT SHOWN ON THESE PLANS

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
CONSULTANT FUNCTIONAL SUPERVISOR: MATTHEW J. KORVE
CALCULATED-DESIGNED BY: WAI KEI WONG
CHECKED BY: CLARA PONCE
REVISED BY
DATE REVISED

LAST REVISION 06-03-16
DATE PLOTTED => 06-OCT-2016
TIME PLOTTED => 12:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SBt	156	R10.0/R18.4	4	89

REGISTERED CIVIL ENGINEER 6-13-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MATTHEW J. KORVE No. 63248 Exp. 6-30-18 CIVIL STATE OF CALIFORNIA

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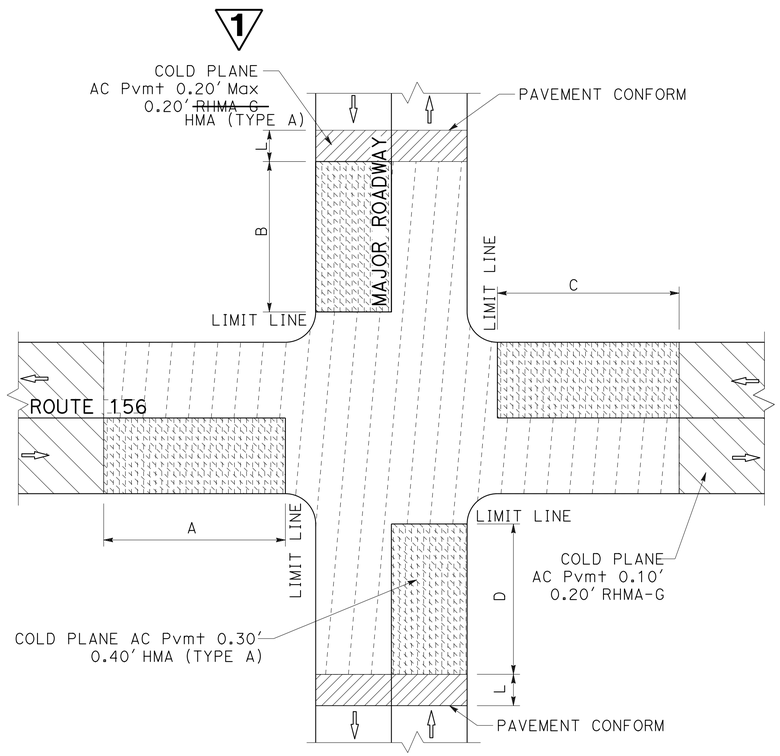
2020 L STREET
SUITE 400
SACRAMENTO, CA 95811

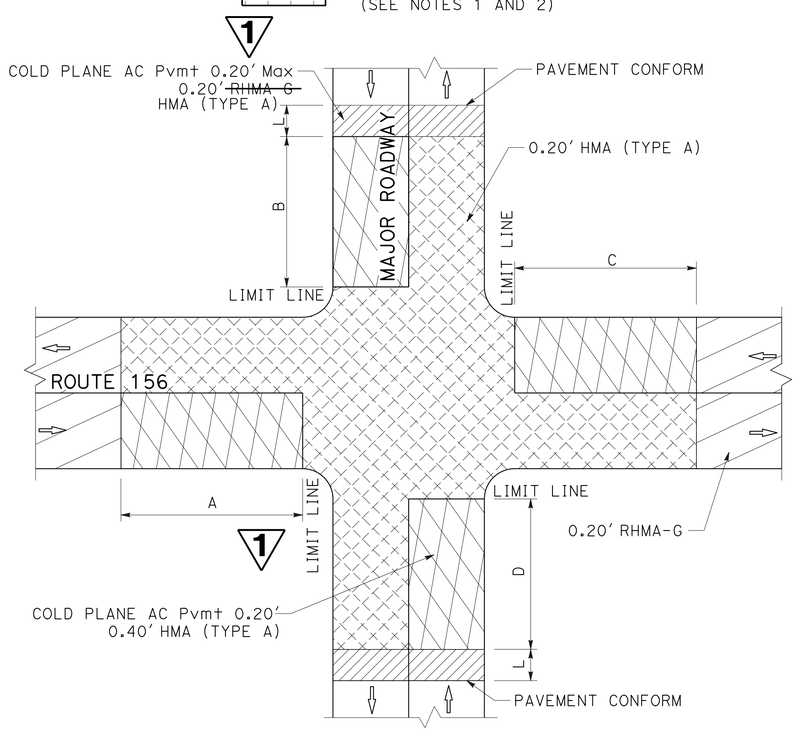
NOTES:

1. COLD PLANE ASPHALT CONCRETE PAVEMENT 0.10' AT ROUTE 25 AND SAN FELIPE ROAD TO LIMITS OF Exist OPEN GRADED ASPHALT CONCRETE PER TYPICAL CROSS SECTIONS.
2. SEE TYPICAL CROSS SECTIONS FOR COLD PLANE ASPHALT CONCRETE PAVEMENT LIMITS.
3. ALL PAVING AREAS TO BE FLUSH AT COMPLETION OF WORK.

LEGEND (APPLY TO THIS Sht ONLY)

- COLD PLANE AC Pvmt 0.10' 0.20' RHMA-G (SEE NOTES 1 AND 2)
- COLD PLANE AC Pvmt 0.30' 0.40' HMA (TYPE A) (SEE NOTES 1 AND 2)
- COLD PLANE AC Pvmt 0.20' Max 0.20' RHMA-G
- COLD PLANE AC Pvmt 0.10' 0.20' HMA (TYPE A) (SEE NOTES 1 AND 2)
- 0.20' HMA (TYPE A)
- 0.20' RHMA-G
- COLD PLANE AC Pvmt 0.20' 0.40' HMA (TYPE A)





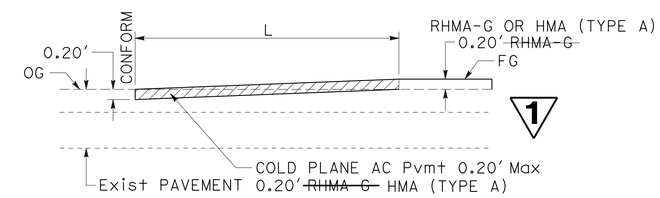
MAJOR ROADWAY	A	B	C	D
ROUTE 25	450'	250'	450'	250'
SAN FELIPE Rd	450'	100'	450'	250'

ROUTE 25 AND SAN FELIPE ROAD

MAJOR ROADWAY	A	B	C	D
FAIRVIEW Rd	450'	70'	450'	100'

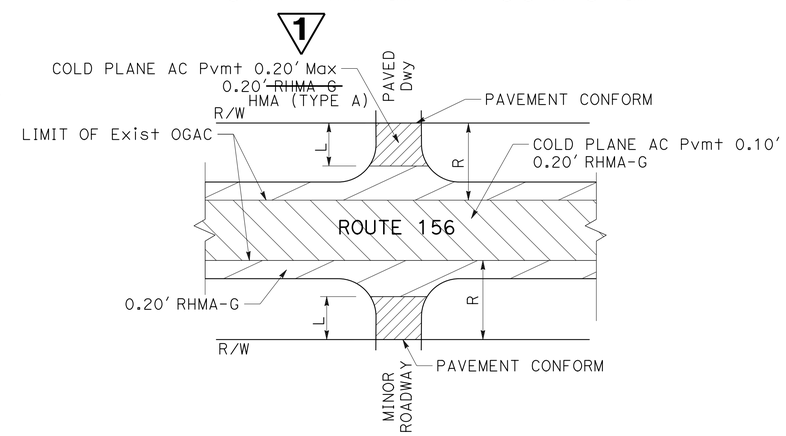
FAIRVIEW ROAD

MAJOR ROADWAY INTERSECTION PAVING DETAIL



L= 100' AT RAMPS, MAJOR ROADWAYS, CONCRETE AGRICULTURE CROSSINGS, AND BRIDGES WITHOUT Exist AC OVERLAY.
L= 50' AT MINOR ROADWAYS AND PAVED DRIVEWAYS.

TYPICAL PAVEMENT CONFORM



DRIVEWAY AND MINOR ROADWAY LOCATIONS (PM)	DIRECTION	DISTANCE FROM ETW TO R/W (R)
		FT
11.70	WB	110
15.25	EB	120
17.15	WB	75
17.15	EB	120
17.74	WB	95
17.74	EB	118

TYPICAL PAVING LIMITS AT MINOR ROADWAY INTERSECTIONS

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 10, 2016**

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CONSTRUCTION DETAILS

NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
CONSULTANT FUNCTIONAL SUPERVISOR: MATTHEW J. KORVE
CALCULATED-DESIGNED BY: WAI KEI WONG
CHECKED BY: CLARA PONCE
REVISED BY
DATE REVISED

LAST REVISION 06-03-16
DATE PLOTTED => 06-OCT-2016
TIME PLOTTED => 12:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB†	156	R10.0/R18.4	26	89

REGISTERED CIVIL ENGINEER 6-13-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MATTHEW J. KORVE No. 63248 Exp. 6-30-18 CIVIL STATE OF CALIFORNIA

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SACRAMENTO, CA 95811

COLD PLANE ASPHALT CONCRETE PAVEMENT

LOCATION	DEPTH	COLD PLANE ASPHALT CONCRETE PAVEMENT
	FT	SQYD
PM R10.0 TO R13.76 AND PM R15.01 TO R18.40	0.00- ~~0.20~~ 0.30	92,976.5
REPAIR FAILED AREAS	0.50	5,346.9
TOTAL		98,323.4

1

MINOR CONCRETE

LOCATION	MINOR CONCRETE (CURB, GUTTER, SIDEWALK, AND DRIVEWAY)	MINOR CONCRETE (CURB RAMP)	DETECTABLE WARNING SURFACE
	CY	CY	SQFT
FAIRVIEW ROAD NW CORNER	3.0	0.9	12.7
FAIRVIEW ROAD NE CORNER	3.5	0.9	12.6
FAIRVIEW ROAD SW CORNER	3.5	0.9	12.6
FAIRVIEW ROAD SE CORNER	3.0	0.8	12.6
TOTAL	13.0	3.5	50.5

CONCRETE BARRIER (TRANSITION)

LOCATION No.	CONCRETE BARRIER (TRANSITION)	
	CASE 1	CASE 2
	LF	
1		3.5
2		3.5
3		3.5
4		3.5
5		3.5
6		3.5
7		3.5
8		3.5
9	3.5	
10	3.5	
11	3.5	
12	3.5	
13	6.25	
14	6.25	
15	3.5	
16	3.5	
TOTAL	61.5	

PLACE HMA (MISCELLANEOUS AREA)

LOCATION	PLACE HMA (MISCELLANEOUS AREA)
	SQYD
PIPE DOWNDRAIN	5.9
TOTAL	5.9

GUARDRAIL QUANTITIES

Loc No.	PM	DIRECTION	LAYOUT TYPE	REMOVE GUARDRAIL	MGS (STEEL POST)	MGS (8' POST)	BURIED POST END ANCHOR (N)	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE IN-LINE TERMINAL SYSTEM	TRANSITION RAILING (TYPE WB-31)	END CAP (TYPE TC) (N)	VEGETATION CONTROL (MINOR CONCRETE)	CONCRETE STAINING (OXIDIZING)	TREATED WOOD WASTE
				LF	LF	LF	EA	EA	EA	EA	EA	SQYD	SQYD	LB
1	R10.47	EB	12B	912.5	850.0			1		1	1	427	427	10,091
2	R10.47	WB	12BB	912.5		850.0		1		1	1	286	286	10,091
3	R10.51	EB	12BB	1,750.0	1,687.5			1		1	1	799	799	19,288
4	R10.51	WB	12A	1,750.0		1,687.5			1	1	1	519	519	19,288
5	R13.44	EB	12A	62.5					1	1	1	51	51	756
6	R13.44	WB	12BB	62.5				1		1	1	49	49	756
7	R13.47	EB	12BB	62.5				1		1	1	49	49	756
8	R13.47	WB	12A	62.5					1	1	1	51	51	756
9	R15.41	EB	12B	62.5				1		1	1	49	49	756
10	R15.41	WB	12BB	62.5				1		1	1	49	49	756
11	R15.44	EB	12BB	62.5				1		1	1	49	49	756
12	R15.44	WB	12B	62.5				1		1	1	49	49	756
13	R17.28	EB	12B	62.5				1		1	1	49	49	756
14	R17.28	WB	12BB	62.5				1		1	1	49	49	756
15	R17.33	EB	12BB	62.5				1		1	1	49	49	756
16	R17.33	WB	12C	75.0	50.0		1			1	1	34	34	893
17	R17.67	WB	11D	425.0	275.0	50.0			2			215	215	
TOTAL				6,512.5	2,862.5	2,587.5		12	5	16		2,823	2,823	67,967

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

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 10, 2016**

SUMMARY OF QUANTITIES

Q-1

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