Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T29.0/T29.4	18	56

REGISTERED CIVIL ENGINEER DATE 07/07/14

1-26-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER AMIT NIJHAWAN No. 78061 Exp. 9-30-15 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.

DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No. ⬡	DRAINAGE UNIT ○	DRAINAGE INLET: MINOR CONCRETE (MINOR STRUCTURE)	DRAINAGE INLET: Misc IRON & STEEL	DRAINAGE INLET: DESIGN HEIGHT (H) (N)	15" CSP (1.09" THICK)	18" CSP (1.09" THICK)	48" CSP (1.09" THICK)	24" RCP	30" RCP	60" RCP	REMOVE CULVERT	15" STEEL FES	18" STEEL FES	24" STEEL FES	48" STEEL FES	RSP (BACKING No. 1, METHOD B)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	MAXIMUM COVER (N)	INLET DEPRESSION	HEAD WALL (H) (N)	STRUCTURAL CONCRETE, HEADWALL	BAR REINFORCING STEEL	DESCRIPTION	STATION
			CY	LB	FT	LF	LF	LF	LF	EA	LF	EA	EA	EA	EA	EA	CY	SQYD	LF	EA	FT	CY	LB		
D-2	5	a															25	48						RSP (No. 1, METHOD B)	
|	|	b														1								48" STEEL FES	35+88 "A1" LINE 71.4' Lt
D-2	5	c						7.5											2.0			4	4	48" CSP	
DQ-1			19.78	1521		40.5	103.0		115.0	59.0	638.3	5	1	1	2		366	453		2		34	4180		
TOTAL			19.78	1521		40.5	103.0	7.5	115.0	59.0	638.3	5	1	1	2	1	391	501		2		34	4180		

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

HMA OVERSIDE DRAIN

STATION	PLACE HMA (Misc AREA)	HOT MIX ASPHALT (TYPE A)*	LENGTH (N)
	SQYD	TONS	LF
29+70 "A1" LINE 20.0' Rt	2.8	0.62	10
33+53 "A1" LINE 20.0' Lt	2.8	0.62	10
37+25 "A1" LINE 20.0' Lt	2.8	0.62	10
37+25 "A1" LINE 20.0' Rt	2.8	0.62	10
TOTAL	11.2	2.48	

* QUANTITY INCLUDED IN SUMMARY OF ROADWAY QUANTITIES TABLE.

4 **REPLACED PER ADDENDUM No. 4 DATED JULY 17, 2015**

DRAINAGE QUANTITIES
DQ-2

REVISED BY | DATE REVISED
HARJINDER CHHINA | AMIT NIJHAWAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ARTHUR RAMIREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 12-29-14 | DATE PLOTTED => 16-JUL-2015 | TIME PLOTTED => 15:31