

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 UDAYA SHANKAR
 GURDEEP BRAR
 GURBHAY BRAR
 DESIGN

HMA DIKES

LOCATION	REMOVE AC DIKE	PLACE HMA DIKE (TYPE A)	PLACE HMA DIKE (TYPE C)	PLACE HMA DIKE (TYPE F)	PLACE HMA DIKE (TYPE E)	* HMA TYPE (A)
	LF	LF	LF	LF	LF	TON
EB PM R88.500 TO R88.537	195	195				1.30
EB PM R88.580 TO R88.710	687				687	4.41
EB PM R88.722 TO R88.803	424				424	2.72
EB PM R88.172 TO R89.176	21				21	0.13
EB PM R89.301 TO R89.491	1,003			1,003		3.27
EB PM R89.515 TO R89.593	412	412				2.75
EB PM R89.633 TO R89.660	142	142				0.95
EB PM R89.660 TO R90.051	2,065	935		325	805	12.47
EB PM R90.186 TO R90.279	491				491	3.16
EB PM R90.560 TO R90.842	1,490	1,490				9.94
EB PM R91.000 TO R91.073	385				385	2.47
EB PM R91.269 TO R91.438	892				892	5.73
EB PM R92.948 TO R94.140	6,294		62		6,232	40.16
EB PM R94.673 TO R94.762	470				470	3.02
EB PM R96.413 TO R96.501	465				465	2.99
EB PM R96.953 TO R97.170	1,146				1,146	7.36
EB PM R97.359 TO R97.720	1,907				1,907	12.25
EB PM R97.829 TO R98.270	2,328	2,328				15.54
EB PM R98.348 TO R98.603	1,346				1,346	8.65
EB PM R98.719 TO R98.842	650				650	4.18
EB PM R99.090 TO R99.264	919				919	5.91
EB PM R99.343 TO R99.458	607				607	3.90
EB PM R99.505 TO R99.622	618				618	3.97
WB PM R88.500 TO R88.557	300				300	1.93
WB PM R88.577 TO R88.693	612				612	3.93
WB PM R88.753 TO R88.814	322	322				2.15
WB PM R88.846 TO R89.017	903				903	5.80
WB PM R89.040 TO R89.943	4,768		211	950	3,607	26.67
WB PM R89.892 TO R89.962	370	370				2.47
WB PM R90.047 TO R90.115	360	360				2.40
WB PM R90.651 TO R90.737	454				454	2.92
WB PM R90.753 TO R90942	998				998	6.41
WB PM R91.084 TO R91.403	1,684	1,684				11.24
WB PM R93.935 TO R94.086	797	797				5.32
WB PM R94.646 TO R94.906	1,372				1,372	8.82
WB PM R96.333 TO R96.848	2,720				2,720	17.48
WB PM R97.247 TO R97.536	1,525				1,525	9.80
WB PM R98.166 TO R98.908	3,918				3,918	25.18
WB PM R98.977 TO R99.168	1,008				1,008	6.48
WB PM R99.494 TO R99.780	1,510				1,510	9.70
TOTAL	48,578	9,035	273	2,278	36,992	305.93

* QUANTITY IS INCLUDED IN ROADWAY QUANTITIES SUMMARY SHEET Q-1.

SHOULDER BACKING

EASTBOUND AND WESTBOUND		
** LOCATION PM TO PM	SHOULDER	SHOULDER BACKING TON
R88.5 TO R99.8	OUTSIDE	1,492
R90.7 TO R99.8	INSIDE	2,108
TOTAL		*3,600

** APPROXIMATE LOCATIONS ONLY, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58	R88.5/R99.8	9	45

Udaya Y. Shankar 4-21-15
 REGISTERED CIVIL ENGINEER DATE
 5-4-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 UDAYA Y. SHANKAR
 No. 71268
 Exp. 12/31/15
 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.

GUARDRAIL QUANTITIES

EASTBOUND LOCATIONS *	LOCATION	LAYOUT TYPE	MIDWEST GUARDRAIL SYSTEM (STEEL POST)	REMOVE GUARDRAIL	REMOVE **	TRANSITION RAILING	END ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB-31)	END ANCHOR ASSEMBLY (TYPE GA)	BURIED POST END ANCHOR (N)	TREATED WOOD WASTE	ALTERNATIVE FLARED TERMINAL SYSTEM
			LF	LF	LF	EA	EA	EA	EA	LB	EA	
TEHACHAPI CREEK Br APPROACH PM R88.554 TO PM R88.573	R+	12B	75	100	25			1			688	1
PM R88.803 TO PM R89.172	R+	12B	1,950	1,950			1				17,882	1
PM R89.180 TO PM R89.515	R+	12B	1,800	1,800			1				16,507	1
PM R89.593 TO PM R89.633	R+	12B	225	225			1			1	2,063	1
PM R89.660 TO PM R89.723	R+	12B	325	325			1			1	2,980	
PM R99.255 TO PM R99.266 SAND CANYON OH	R+	12B	37.5	62.5	25			1			573	1
PM R99.244 TO PM R99.254 SAND CANYON OH MEDIAN	R+	12B	37.5	62.5	25			1			573	1
2 SUBTOTAL				4,525	75		5	3	1			
WESTBOUND LOCATIONS *												
TEHACHAPI CREEK Br APPROACH PM R88.565 TO PM R88.577	L+	12B	37.5	62.5	25			1			573	1
PM R89.114 TO PM R89.126	L+	12B	37.5	62.5	25			1			573	1
PM R89.337 TO PM R89.508	L+	12B	900	900			1		1		8,253	
PM R89.832 TO PM R89.879	L+	12B	250	250						2	2,293	
PM R89.943 TO PM R90.053	L+	12B	587.5	587.5						2	5,388	
PM R90.109 TO PM R90.242	L+	12B	662.5	662.5					1		6,075	1
PM R93.792 TO PM R93.934	L+	12B	725	725			1			1	6,648	
PM R99.289 TO PM R99.299 SAND CANYON OH	L+	12B	37.5	62.5	25			1			573	1
PM R99.287 TO PM R99.298 SAND CANYON OH MEDIAN	L+	12B	37.5	62.5	25			1			573	1
FROM SQ-1 SHEET											548.8	
2 SUBTOTAL				7,900	100		3	4	2		72,763.8	11
TOTAL			7,725	7,900			8	7	3		72,763.8	11

* APPROXIMATE LOCATIONS ONLY, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

** QUANTITY INCLUDED IN THE REMOVE GUARDRAIL ITEM.

SUMMARY OF QUANTITIES Q-2



REPLACED PER ADDENDUM No. 2 DATED AUGUST 24, 2015