

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE	15-03-94
		DRAWN BY	J. Queiroz
		TRACED BY	C. Barbosa
		NOTED BY	
		CHECKED BY	
NOTE BOOK	QUANTITIES BY	20/03/94	
		No.	

TRAFFIC SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POST	W/O POST
R1-1	STOP	10			
R1-2	YIELD	16			
R2-1 (30)	SPEED LIMIT 30	4			
R2-1 (45)	SPEED LIMIT 45	8			
R2-5b (30)	REDUCED SPEED 30	2			
R3-4	 NO U TURN	1			
R3-7(R)	RIGHT LANE MUST TURN RIGHT	1			
R3-9b	TWO WAY LEFT TURN ONLY	2	1		
R4-1	DO NOT PASS	6			
R4-2	PASS WITH CARE	6			
R4-7	 KEEP RIGHT	1			
R4-7b	 KEEP RIGHT	1			
R8-3a	NO PARKING ANYTIME	5			
R8-7	EMERGENCY STOPPING ONLY	17			
	DRY AREA PREVENT FIRES	3			
R15-1	UNLAWFUL TO LITTER \$500 FINE	4			
R16-1A	BUCKLE UP ITS THE LAW	4			
W2-1-A	 CROSS ROAD SIGN			11	
W2-2-A	 SIDE ROAD SIGN			8	
W2-3(L)	 SIDE ROAD SIGN	1			
W3-3	 SIGNAL AHEAD	2			
W6-1	 DIVIDED HIGHWAY	1			
W11A-2	 PEDESTRIAN CROSSING	2			
W11-2	 ADVANCE PEDESTRIAN CROSSING	2			
W11-1	 ADVANCE BICYCLE CROSSING	5			
W13-1(25)	25 M.P.H.		1		
TOTAL		104	2	19	

DESTINATION SIGN SUMMARY					
SIGN NO.	MESSAGE	SIZE (SQ. FT.)	NEW PANEL AREA (SQ. FT.)		BREAKAWAY POST
			W/O POST	W/POST	
D-1	 WAILEA MAKENA KIHEI 	7'-6" x 6'-0"		45	2 POST S4 x 7.7
D-2	 WAILEA MAKENA KAHULUI KIHEI 	8'-0" x 8'-0"		64	2 POST W6 x 9.0
D-3	 LAHAINA KAHULUI 	8'-0" x 4'-0"		32	2 POST S4 x 7.7
D-4	 WAILEA MAKENA KIHEI 	7'-6" x 6'-0"		45	2 POST S4 x 7.7
TOTAL				186	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-031-1(8)	1994	46	48

REFLECTOR MARKER SUMMARY		
TYPE	QUANTITY	
	W/ POST	W/O POST
RM-3	50	200
RM-4	16	
Total	66	200

MILEPOST MARKER ASSEMBLY				
LOCATION	SIGN NO. AND MESSAGE	QUANTITY		
		W/O POST	W/POST	
# Sta. 492+40± Rt.	D10-4 MILE 3 D10-7 3l	1	1	
# Sta. 539+20± Rt.	D10-4 MILE 4 D10-7 3l	1	1	
# Sta. 590+00± Rt.	D10-4 MILE 5 D10-7 3l	1	1	
# Sta. 642+80± Rt.	D10-4 MILE 6 D10-7 3l	1	1	
# Sta. 695+60± Rt.	D10-4 MILE 7 D10-7 3l	1	1	
# Sta. 748+40± Rt.	D10-4 MILE 8 D10-7 3l	1	1	
# Sta. 56+00± Rt.	D10-4 MILE 9 D10-7 3l	1	1	
TOTAL		7	7	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

PIILANI HIGHWAY RESURFACING

Vicinity of Kealia Pond to Kilohana Drive

Federal-Aid Project No. STP-031-1(8)

Date: March, 1994

SHEET No. 1 OF 2 SHEETS

ORIGINAL PLAN

NOTE BOOK

2p11ms2.dgn

SURVEY PLOTTED BY

DRAWN BY J. Galtieri

TRACED BY J. C. Hagan

QUANTITIES BY

CHECKED BY

DATE

15-09-94

PAVEMENT MARKING SUMMARY		
DESCRIPTION		QUANTITY
PAVEMENT MARKERS		
TYPE C		2,500 EACH
TYPE D		1,100 EACH
TYPE H		1,300 EACH
TYPE J		960 EACH
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION		
4-INCH PAVEMENT STRIPE (YELLOW)		9,500 L. F.
8-INCH PAVEMENT STRIPE (WHITE)		2,250 L. F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)		10,100 L. F.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION		
4-INCH PAVEMENT STRIPE (WHITE)		75,000 L. F.
4-INCH PAVEMENT STRIPE (YELLOW)		2,900 L. F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)		17,650 L. F.
8-INCH PAVEMENT STRIPE (WHITE)		3,700 L. F.
12-INCH PAVEMENT STRIPE (YELLOW)		2,600 L. F.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION		
4-INCH PAVEMENT STRIPE (WHITE)		11,000 L. F.
4-INCH PAVEMENT STRIPE (YELLOW)		300 L. F.
12-INCH PAVEMENT STRIPE (WHITE)		1,280 L. F.
CROSSWALK MARKINGS		39 LANE
PAVEMENT ARROW		140 EACH

ADVANCE STREET NAME SIGN SUMMARY				
LOCATION	MESSAGE	SIZE	NO. OF SIGN (EACH)	
			w/POST	w/o POST
STA. 541+90± RT.	MOI PL	3'-0" X 1'-0"		1
STA. 556+00± LT.	MOI PL	3'-0" X 1'-0"		1
STA. 556+00± RT.	OHUKAI ST	4'-0" X 1'-0"		1
STA. 570+00± LT.	OHUKAI ST	4'-0" X 1'-0"		1
STA. 584+00± RT.	KAONOULU ST	5'-0" X 1'-0"		1
STA. 599+00± LT.	KAONOULU ST	5'-0" X 1'-0"		1
STA. 606+40± RT.	KULANIHAKOI ST	5'-6" X 1'-0"		1
STA. 619+50± LT.	KULANIHAKOI ST	5'-6" X 1'-0"		1
STA. 692+80± RT.	WELAKAHAO RD	5'-0" X 1'-0"		1
STA. 703+30± RT.	WELAKAHAO RD	5'-0" X 1'-0"		1
STA. 703+80± LT.	WELAKAHAO RD	5'-0" X 1'-0"		1
STA. 716+00± LT.	WELAKAHAO RD	5'-0" X 1'-0"		1
STA. 735+00± RT.	KANANI RD	4'-0" X 1'-0"		1
STA. 750+00± LT.	KANANI RD	4'-0" X 1'-0"		1
STA. 52+10± RT.	KEONEKAI RD	4'-6" X 1'-0"		1
STA. 66+50± LT.	KEONEKAI RD	4'-6" X 1'-0"		1
STA. 76+00± RT.	← MAPU PL KILOHANA DR →	5'-6" X 2'-0"		1
STA. 93+00± LT.	← KILOHANA DR MAPU PL →	5'-6" X 2'-0"		1
TOTAL				18

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-031-1(8)	1994	47	48

RECONSTRUCTION OF WEAKENED AREAS						
STATION TO STATION (APPROX.)	OFFSET	LENGTH (FT.)	WIDTH (FT.)	THICKNESS (INCHES)	EXCAVATION (CY.)	ACB (TONS)
PIILANI HIGHWAY						
495+00 - 495+50	Lt.	50	6	3¾	3.47	7.13
496+00 - 497+00	Lt.	100	10	3¾	11.57	23.75
498+50 - 499+30	Lt.	80	6	3¾	5.56	11.40
536+00 - 539+50	Rt.	350	10	3¾	40.50	83.13
543+00 - 559+00	Rt.	1,600	10	3¾	185	380
565+00 - 570+00	Rt.	500	10	3¾	58	119
548+00 - 550+50	Lt.	250	10	3¾	28.94	59.38
614+00 - 616+00	Rt.	200	10	3¾	23.15	47.50
622+00 - 624+00	Rt.	200	6	3¾	13.89	28.50
631+50 - 633+00	Rt.	150	6	3¾	10.42	21.38
Total					322.5	662.17
SAY					325	675

ROUTE MARKER SUMMARY					
SIGN ASSEMBLY	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY	
		W/POST	W/O POST	W/POST	W/O POST
SRM-1	 M3-1  M1-6(31)	8			
SRM-2	 M3-3  M1-6(31)	7			
SRM-3	M3-1  M1-6(31)  M6-1(L)  M3-3  M1-6(31)  M6-1(R) 			8	
SRM-4	M3-3  M1-6(31)  M6-1(L)  M3-1  M1-6(31)  M6-1(R) 			4	
Total		15		12	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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MISCELLANEOUS SUMMARIES

PIILANI HIGHWAY RESURFACING
Vicinity of Kealia Pond to Kilohana Drive
Federal-Aid Project No. STP-031-1(8)

Date: March, 1994

SHEET No. 2 OF 2 SHEETS