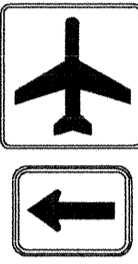
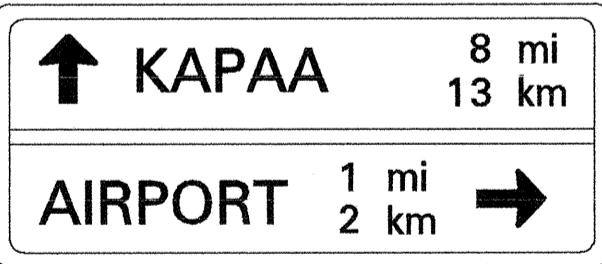



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-051-1(20)	2000	ADD.18	27

ROUTE MARKER SUMMARY					
SIGN ASSEMBLY	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY	
		W/ POSTS	W/O POSTS	W/ 2 POSTS	W/O POSTS
SRM-1	M3-4 WEST M3-1 NORTH EAST M3-2 M1-6(570) 570 M1-6(51) 51 570 M1-6(570) M5-1(L) ← M6-3 ↑ → M5-1(R)			3	
SRM-2	M2-1 JCT M1-6(570) 570	1			
	TOTAL	1		3	

INFORMATION SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/ POST	W/O POST	W/ POSTS	W/O POSTS
I-5 M6-1			2		
	TOTAL		2		

DESTINATION SIGN SUMMARY				
SIGN NO.	MESSAGE	SIZE	NEW PANEL AREA (SQ. FT.)	
			W/ POSTS	W/O POSTS
D-1		7'-0" x 3'-0"	21.00	
D-2		8'-6" x 4'-6"	38.25	
	TOTAL		59.25	

DESIGNED BY	DATE	DATE	DATE	DATE	DATE
CHECKED BY	DATE	DATE	DATE	DATE	DATE
NOTED BY	DATE	DATE	DATE	DATE	DATE
ORIGINAL PLAN	DATE	DATE	DATE	DATE	DATE

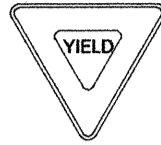



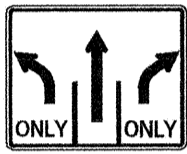






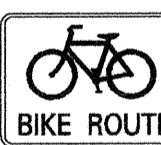
STANFORD M. IWAMOTO
REGISTERED PROFESSIONAL ENGINEER
No. 5738-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Stanford M. Iwamoto
Signature

9-3-99	Removed Notes. Removed Text from Information Sign Summary.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TRAFFIC SIGN SUMMARY AND PAVEMENT MARKING SUMMARY KAPULE HIGHWAY, INTERSECTION IMPROVEMENTS AT AHUKINI ROAD Federal Aid Project No. STP-051-1(20) Scale: None Date: July, 1999	
SHEET No. 1	OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	DATE
	CHECKED BY	DATE
	QUANTITIES BY	DATE
NOTE BOOK	DATE	DATE
	DATE	DATE

TRAFFIC SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/ POST	W/O POST	W/ POSTS	W/O POSTS
R1-2		1			
R2-1(35)-A				1	
R2-1(50)-A				2	
R3-7(L)		1			
R3-38 (Modified)				2	
R8-3a		2			
R3-7(R)		1			
W2-1		1			
W2-2		1			
W6-2		1			
D10-2 (2) D10-7 (51)		1	Bi-directional Set		
D11-1		2			
	TOTAL	11		5	

REFLECTOR MARKER SUMMARY						
TYPE	QUANTITY					
	W/O POST		W/ FLEXIBLE POST		W/ STEEL POST	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE
RM-2	—	—	—	15	—	—
* RM-3	44	—	—	—	—	—
** OM, Type II	10	—	—	—	—	—

NOTES:
* Install RM-3 w/o steel post on new and relocated permanent signs and on construction warning signs (to be installed on all posts of signs).
** Install Object Marker (OM-II) w/o steel post on all utility poles that are located within 30 feet of the edge of paved shoulder.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-051-1(20)	2000	ADD.19	27

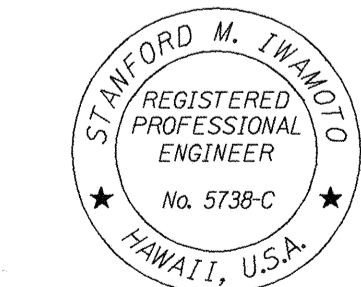
CONSTRUCTION SIGN SUMMARY			
SIGN NO.	MESSAGE	W/ POSTS	W/O POSTS
CW20-1A(d)	ROAD WORK AHEAD	4	—
CG20-2A	END ROAD WORK	4	—
	TOTAL	8	—

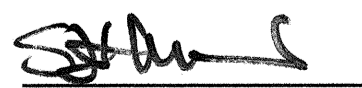
PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	72 EA.
TYPE C _____	250 EA.
TYPE D _____	18 EA.
TYPE H _____	125 EA.
* TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	710 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	2168 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	286 L.F.
** TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	3213 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	1060 L.F.
12-INCH PAVEMENT STRIPE (YELLOW) _____	1035 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	2508 L.F.
*** TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	1056 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	368 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	131 L.F.
PAVEMENT ARROW _____	36 EA.

Notes:
* Tape, Type I or Thermoplastic Extrusion (No Passing Zones, Channelizing Lines or Solid Lines)
** Tape, Type II or Thermoplastic Extrusion (Transverse Median Markings, Transverse Shoulder Markings, Channelizing Islands or Edge Striping)
*** Tape, Type III, or Thermoplastic Extrusion (Guide Lines, Stop Lines, Extension of Edge Lines, Crosswalk Markings, Pavement Words or Pavement Arrows)

5-3-99	Removed Crosswalk Marking and Pavement Word from Pavement Marking Summary Table. Removed W13-1(20) Sign from Traffic Sign Summary Table.
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DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TRAFFIC SIGN SUMMARY AND PAVEMENT MARKING SUMMARY	
KAPULE HIGHWAY, INTERSECTION IMPROVEMENTS AT AHUKINI ROAD	
Federal Aid Project No. STP-051-1(20)	
Scale: None	Date: July, 1999
SHEET No. 2	OF 2 SHEETS



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Signature