

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	46	102

CENTERLINE AND REFERENCE SURVEY MONUMENT SCHEDULE

PROJECT	STATION	MONUMENT TYPE	Adjust Existing Item No. 613.0110	Reconstruct Existing Item No. 613.0120	CENTERLINE OFFSET (FT.)	EXISTING DEPTH (FT.)
F-011-29(17)	1115+26.91	S.T.		1	0	0
	1116+65.00	P.T.-BK			0	0
	1116+45.56	P.T.-AH		1	0	0
F-RF-011-2(13) (IBL)	1121+00.00	P.O.T.	1		0	0
	1140+64.56	P.C.	1		0	0
	1145+76.63	P.T.	1		0	0
	1170+00.00	P.O.T.	1		0	0
	1174+54.83	P.C.	1		0	0
	1180+64.84	P.T.	1		0	0
	1203+00.00	P.O.T.	1		0	0
	1231+00.00	P.O.T.	1		0	0
	1240+00.00	P.O.T.	1		0	0
	1246+82.53	P.C.	1		0	0
F-011-2(9) (IBL)	1268+06.84	P.T.-BK			0	0
	1268+21.53	P.O.C.-AH		1	0	0
F-RF-011-2(13)	1271+42.22	P.T.-BK			0	0
	1271+38.62	P.T.-AH		1	0	0
	1296+28.34	P.O.T.		1	0	0
	1314+68.34	P.O.T.		1	0	0
	1333+08.34	P.O.T.		1	0	0
	1335+81.49	P.C.		1	0	0
	1349+57.13	P.T.		1	0	0
	1351+66.00	P.O.T.		1	0	0
	1354+39.26	P.T.-BK			0	0
	10+30.00	P.T.-AH	1		0	0
	27+50.00	P.O.T.	1		0	0
	33+11.71	P.C.	1		0	0
	37+90.00	P.I.		1	0	0
	42+65.86	P.T.-BK			0	0
	43+82.42	P.T.-AH		1	0	0
	48+26.33	P.O.T.	1		0	0
	52+91.33	P.O.T.	1		0	0
	61+36.33	P.O.T.	1		0	0
	69+76.33	P.O.T.	1		0	0
	78+16.33	P.O.T.	1		0	0
	86+53.33	P.O.T.	1		0	0
TOTALS			19	12	-	-

ROUTE AND AUXILIARY MARKER SCHEDULE

PROJECT	STATION	LEFT	RIGHT	ROUTE MARKER SIGN NO. (ROUTE NO.)	REMOVE	INSTALL TYPE A ASSEMBLY	INSTALL TYPE B ASSEMBLY
F-2(3)	1189+99		●	M1-6D (11)	1	1	
F-011-2(9)	1256+04		●	M1-6D (11)	1	1	
	1266+72	●		M1-6D (11)	1	1	
	1298+17		●	M1-6D (11)	1	1	
	1342+17		●	M1-6B (2000) & M2-1/M1-6D (11) & M6-3			1
	1350+20	●		M1-6B (2000) & M6-1(L)		1	
S-18(1)	38+71		●	M1-6D (11)	1	1	
	71+05		●	M1-6D (11)	1	1	
	87+52		●	M1-6D (11)	1	1	
	98+50		●	M1-6D (19) & M2-1		1	
	103+64		●	M1-6D (11)/M4-12 & M1-6D (19)/M6-4			1
	104+19		●	M1-6D (11)	1		
	104+19		●	M2-1	1		
TOTALS					9	9	2

MILEPOST MARKER SCHEDULE

PROJECT	STATION	LEFT	RIGHT	MILE POST D10-4 (12"X24") MILE POST NO. (RTE. NO.)	REMOVE	INSTALL WITH POST
FAP F-2(3)	1135+71		●	6 (11)	1	1
	1188+51		●	5/8KM * (11)	1	1
	1241+31		●	4 (11)	1	1
	1294+26		●	3 (11)	1	1
	1347+06		●	2 (11)	1	1
	56+03		●	1 (11)	1	1
	108+32		●	0/0KM * (11)	1	1
TOTALS					7	7

* Contractor shall submit shop drawings of kilometer sign to the Engineer for approval prior to fabrication. Payment for kilometer sign shall be without post and incidental to Item No. 621.7610 - Mile Post Marker and Route Number Plate.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS SCHEDULES (IBL)

KANOELEHUA AVENUE RESURFACING
KEAAU TO KAMEHAMEHA AVENUE
F.A. PROJECT NO. NH-011-2(33)

Scale: None Date: April, 1996
SHEET No. 1 OF 3 SHEETS

ORIGINAL PLAN	SURVEY DRAWN BY	DATE
NOTES BOOK	DESIGNED BY	4/96
CHANGES BY	CHECKED BY	
NO.	DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	47	102

UTILITY SCHEDULE					
PROJECT	STATION	OFFSET FROM CENTERLINE		TYPE	REMARKS
		LEFT	RIGHT		
F-011-2(9)	1125+58		22.9	WV	1.0' dia.
	1125+64		21.3	WV	1.0' dia.
	1125+66		22.9	WMH	2.0' dia.
	1243+45	24.0		WV	1.2' x 1.4'
	1243+49	18.7		WV	1.2' x 1.4'
	1254+84	40.7		WV	1.2' x 1.4'
F-RF-011-2(13) (1BL)	1333+22		1.0	WV	1.2' x 1.4'
	1352+40		212	WV	1.0' dia.
	1352+64		344	WV	1.0' dia.
	39+36		19.5	SDMH	2.5' dia.
	42+00		21.5	SDMH	2.5' dia.
	46+02		17.4	SDMH	2.5' dia.
	50+51		19	SDMH	2.5' dia.
	53+06		10	WV	1.0' dia.
	53+11		36.2	WV	1.2' x 1.4'
	55+52		17.8	SDMH	2.5' dia.
	58+03		19	SDMH	2.0' dia.
	60+50		17.8	SDMH	2.0' dia.
	61+21		26.2	WV	1.0' dia.
	61+34		57	SMH	2.0' dia.
	61+39		15.3	SDMH	2.0' dia.
	65+54		18.2	SDMH	2.5' dia.
	75+50	18.8		SDMH	2.0' dia.
	<u>Legend :</u>				
SDMH - Storm Drain Manhole10 Total					
SMH - Sewer Manhole 1 Total					
WMH - Water Manhole..... 1 Total					
WV - Water Valve11 Total					

MEDIAN TREES @ LAMA St. OUTBOUND DECEL. LANE							
#	Station	Offset (RT)	Approx. Height	Approx. Spread	Trunk Dia.	Type	Disposition
1	1244+46	52	25	25	1.5	Mango	Remain
2	1245+19	49	30	20	2.0	African Tulip	Remain
3	1245+44	53	30	20	2.0	Avacado	Remain
4	1245+96	41	40	15	1.0	Ohia (2)	Relocate
5	1246+09	42	15	2	0.3	Ohia	Relocate
6	1246+15	42	40	15	1.0	Ohia	Relocate
7	1246+54	41	40	30	2.5	Octopus	Remove
8	1247+10	58	30	20	1.5	Mango	Remain
9	1247+52	41	50	20	1.5	African Tulip	Remove
10	1247+62	57	50	20	1.0	African Tulip	Remain
11	1247+70	40	50	20	2.0	African Tulip	Remove
12	1247+88	24	60	40	3.0	Eucalyptus	Remove
13	1247+94	41	60	20	1.5	African Tulip (5)	Remove
14	1248+17	48	60	20	1.5	African Tulip	Remove
15	1248+36	47	25	20	2.0	Mango	Remove
16	1248+66	34	50	25	2.5	African Tulip	Remove
17	1248+67	38	20	15	1.0	Avacado	Remove
18	1249+50	Unknown	4	2	0.2	Unknown	Remove
19	1250+55	47	4	2	0.2	Unknown	Remove
20	1251+48	43	4	2	0.2	Unknown	Remove

Note: Removal and relocation of trees shall be considered incidental to the construction of the Lama Street, Outbound Deceleration lane, EXCEPT FOR #12, which shall be paid for under Item No. 201.0010, "Removal of Tree"(Eucalyptus Robusta)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY <i>X</i>	<i>4/96</i>
	TRACED BY	
NOTE BOOK	DESIGNED BY <i>X</i>	
<i>dd4,jason</i>	QUANTITIES BY	
<i>4krilams?</i>	CHECKED BY	
N ^o .		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SCHEDULES (1BL)

KANOELEHUA AVENUE RESURFACING
KEAAU TO KAMEHAMEHA AVENUE
F.A. PROJECT NO. NH-011-2(33)

Scale: None Date: April, 1995

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	48	102

PAVEMENT MARKING SUMMARY

DESCRIPTION	QUANTITY
THERMOPLASTIC EXTRUSION or TAPE, TYPE III	
Double 4-Inch Pavement Stripe	1,300 L.F.
12-Inch Pavement Stripe	1,650 L.F.
8-Inch Pavement Stripe	10,750 L.F.
4-Inch Pavement Stripe	69,500 L.F.
4-Inch Guide Line (White)	6,700 L.F.
4-Inch Edge Line Extension	4,500 L.F.
Crosswalk	65 Lanes
Pavement Word	36 Each
Pavement Arrow	65 Each

PAVEMENT MARKERS

Type A	3,500 Each
Type C	2,500 Each
Type D	100 Each
Type H	900 Each

REFLECTOR MARKER SUMMARY

DESCRIPTION	QUANTITY
RM - 2 (Yellow)	
Steel Post	160
Flex Post	12
RM - 3 (Yellow)	
Without Post	20
Steel Post	10
Flex Post	100
RM - 3 (Bi-Directional/Yellow)	
Flex Post	100
RM - 4	
Without Post	6
Steel Post	2
TYPE II OBJECT MARKER	
Without Post	200

NOTES :

1. The Engineer shall modify guardrail designs to fit the existing field conditions.
2. 12,000 LF Guardrail and 8 MELT's to be installed at the direction of the Engineer in the field.
3. Reflector markers to be installed at the direction of the Engineer in the field.
4. Contractor shall pave a 2 foot wide strip of asphalt under new and existing Guardrails. Price shall be considered incidental to Item 606.3010 Guardrail, type 3 - single with steel posts.

ORIGINAL PLAN	SURVEY DRAWN BY	DATE
NOTED BY	DESIGNED BY	
QUANTITIES BY	CHECKED BY	
NO. 441111111		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS SCHEDULES (IBL)

KAOELEHUA AVENUE RESURFACING
KEAAU TO KAMEHAMEHA AVENUE
F.A. PROJECT NO. NH-011-2(33)

Scale: None Date: April, 1996
SHEET No. 3 OF 3 SHEETS