

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19CD-01-97M	1997	37	39

MILEPOST AND ROUTE MARKER SCHEDULE								
PROJECT	STATION	LEFT	RIGHT	ROUTE MARKER SIGN No. (ROUTE No.)	REMAIN	REMOVE	INSTALL TYPE A ASSEMBLY	INSTALL TYPE B ASSEMBLY
Queen Kaahumanu Highway	6+69	●		M1-6 (270)		1		1
	6+69	●		M6-1		1		
	6+69	●		M1-6 (19)		1		
	6+69	●		M6-1		1		
	7+42	●		M1-6 (270)	1			
	7+42	●		M2-1	1			
Kawaihae Road	87+67		●	M1-6 (19)		1	1	
	87+67		●	M2-1		1		
	88+52	●		M1-6 (270)		1	1	
	89+15		●	M1-6 (19)		1		
	91+27	●		M1-6 (19)		1		1
	91+27	●		M6-1		1		
	91+27	●		M1-6 (270)		1		
	91+27	●		M6-3		1		
	92+53		●	M1-6		1	1	
Kawaihae Road Eq. 207+18.62 Bk. = 206+98.81 Ah.								
	267+05	●		M1-6 (19)	1			
	267+05		●	M1-6 (19)	1			
TOTALS					4	13	3	2

PROJECT	STATION	LEFT	RIGHT	MILE POST D10-5 (12"x36") MILE POST No. (RTE. No.)	REMOVE	INSTALL WITH POST (BI-DIR)
Queen Kaahumanu Highway	61+32		●	1 (19) (Mile 68)	1	1
	110+00		●	1 (19) (Mile 69)	1	1
Kawaihae Road	91+32	●		1 (19) (Mile 67)	1	1
	143+58	●		1 (19) (Mile 66)	1	1
Kawaihae Road Eq. Sta. 157+23.61 Bk. = 156+21.91						
	87+67	●		1 (19) (Mile 65)	1	1
Kawaihae Road Eq. Sta. 207+18.62 Bk. = 206+98.81 Ah.						
	89+15	●		1 (19) (Mile 64/KM 103)	1	1*
TOTALS					6	6

* Contractor shall submit shop drawings of Kilometer Post Sign to the Engineer for approval prior to fabrication.

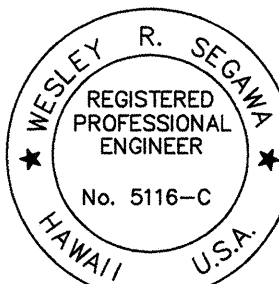
UTILITY SCHEDULE					
PROJECT	STATION	OFFSET FROM CENTERLINE		TYPE	REMARKS
		LEFT	RIGHT		
Queen Kaahumanu Highway	5+85	18		WV	1' x1'
	20+03.4	14.5		WV	1' x1'
	59+33.4	15.5		WV	1' x1'
	59+42	15.16.3		WV	1' x1'
	66+06	14.15.3		WV	1' x1'
	66+10		22	WV	1' x1'
	66+14	13		WV	1' x1'
	69+33.4	33		EMH	3' dia.
	69+44.2	14.16.1		WV	1' x1'
	69+48	20		WV	1' x1'
	69+53.49	16.2		WV	1' x1'
	70+52.3	13.14.5		WV	1' x1'
	74+38.30.5	21.22.6		EMH	3' 2" dia.
	74+46	33		CATV	2' x4' METAL COVER
	74+51	27		TMH	2' dia.
	77+64.70		19.17.5	WV	1' dia.
	77+66.72		14.12.7	WV	1' dia.
	77+78		17	WV	1' x1'
	79+46.15	30.31.5		EMH	2' dia.
	79+28.7	36.39		TMH	3' 2" dia.
	79+21	42		CATV	2' x4' METAL COVER
	80+19	24.27		SDMH	2' dia.
	84+50	27		EMH	3' dia.
	85+00		18.15.7	TMH+WV	1' 1/2" dia.
	89+67	20		EMH	2' dia.
	94+28		18.4	WV	1' x1'
	95+00		14	WV	1' x1'
	95+00.2		18.17	WV	1' x1'
	101+68		19.16.3	WV	1' dia.
Kawaihae Road	98+99.7	9.11		WV	1' x1'
	99+01	15		WV	1' x1'
	105+30.00	16.9.5		WV	1' dia.
	105+03	17.5		WV	1' dia.
	107+00	14		WV	1' dia.
	107+00	11		WV	1' dia.
	107+00	14		WV	1' dia.
	124+30	8.3		WV	1' 1/2" dia.
	150+49+95.08	13		WV	1' dia.
Kawaihae Road Eq. Sta. 207+18.62 Bk. = 206+98.81 Ah.					
	275+00	16		WV	1' dia.
	148+36	15.5		WV	1' x1' (under guard rail)

LEGEND:

WV = Water Valve
EMH = HELCO Manhole
TMH = HTCO Manhole
SDMH = Storm Drain Manhole

Hapuna Beach Access Road	0+22	55.7	WV	1' dia.
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"AS-BUILT"



This work was prepared by me or under my supervision.

Wesley R. Segawa, P.E.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS SCHEDULES
QUEEN KAAHUMANU AND KAWAIIHAE
RESURFACING ROUTE 19, MP 63.3 TO 69.5
PROJECT NO.19CD-01-97M

SCALE: None Date: April, 1997
SHEET No. 1 OF 2 SHEETS 9704-37

PAVEMENT MARKING SUMMARY		
DESCRIPTION	QUANTITY	
PAVEMENT MARKERS		
TYPE A	96	EA.
TYPE C	1,900	EA.
TYPE D	1,200	EA.
TYPE H	450	EA.
TYPE J	1100	EA.
TAPE – TYPE I OR THERMOPLASTIC EXTRUSION		
4-INCH PAVEMENT STRIPE (YELLOW)	7,200	L.F.
8-INCH PAVEMENT STRIPE (WHITE)	4,500	L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)	27,300	L.F.
TAPE – TYPE II OR THERMOPLASTIC EXTRUSION		
4-INCH PAVEMENT STRIPE (WHITE)	66,000	L.F.
12-INCH PAVEMENT STRIPE (WHITE)	750	L.F.
12-INCH PAVEMENT STRIPE (YELLOW)	1,800	L.F.
TAPE – TYPE III OR THERMOPLASTIC EXTRUSION		
4-INCH PAVEMENT STRIPE (WHITE)	2,800	L.F.
12-INCH PAVEMENT STRIPE (WHITE)	180	L.F.
PAVEMENT ARROW	16	EA.

BASELINE / CENTERLINE AND REFERENCE SURVEY MONUMENT SCHEDULE					
PROJECT	B.L. STATION (Unless C.L. noted)	Monument Type	Adjust Existing Item No. 613.0110	Reconstruct Existing Item No. 613.0120	Existing Depth (ft.)
Kawaihae Road continue	197+00.81 193+50	P.T. MON		1	
	197+10.59 (C.L.)	P.T. MON		1	
	197+64.28 67	P.C. MON.		1	
	197+56.43 (C.L.)	P.C. MON.		1	
	207+08.50 203+34	P.T. MON (EQ. Sta.)		1	
	207+18.62 (C.L.)	P.C. MON (EQ. Sta.)		1	
	224+72.08	P.C. MON.		1	
	228+70.94	P.T. MON.		1	
	229+42.85	P.C. MON.		1	
	233+30.93	P.T. MON.		1	
	233+77.55	P.C. MON.		1	
	237+38.96	P.T. MON.		1	
	237+55.61	P.C. MON.		1	
	241+36.31	P.T. MON.		1	
	248+69.10	P.C. MON.		1	
	249+54	WAIKEMU ST.		1	
	252+36.29	P.T. MON.		1	
	253+25.34	P.C. MON.		1	
	253+35.63 (C.L.)	P.T. MON.		1	
	256+56.43	P.C. MON.		1	
	256+66.72 (C.L.)	P.T. MON.		1	
	257+33.51	P.C. MON.		1	
	257+34.20 (C.L.)	P.T. MON.		1	
	260+76.81 261+18.97	P.C. MON.		1	
	260+76.38 (C.L.)	P.T. MON.		1	
264+95.36 (C.L.)	P.C. MON.		1		
265+71.92	P.T. MON.		1		
275+05	WAIULA DRIVE		1		
TOTALS			5	52 54	

A circular professional engineer seal. The outer ring contains the text "WESLEY R. SEGAWA" at the top and "HAWAII U.S.A." at the bottom, separated by two stars. The inner circle contains the text "REGISTERED PROFESSIONAL ENGINEER" and "No. 5116-C".

This work was prepared by me or
under my supervision.

Wesley R. Segawa

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SCHEDULES
QUEEN KAAHUMANU AND KAWAIHAE
RESURFACING, ROUTE 19, MP 63.3 TO 69.5

PROJECT NO.19CD-01-97M

SCALE: AS NOTED

Date: April, 1997

SHEET No. 2 OF 2 SHEETS 9704-38



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under my supervision.

Wesley R. Segawa, P.E.

"AS-BUILT"

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$$\begin{array}{r} 58+00 \\ 72+00 \\ 87+00 \\ EQ \quad 100+98 \\ \hline 1515+00 \end{array}$$

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	" "
	TRACED BY _____	" "
	DESIGNED BY _____	" "
	QUANTITIES BY _____	" "
No. _____	CHECKED BY _____	" "