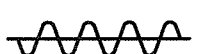
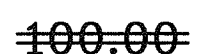


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(108)	2008	12	26

	TRAFFIC SIGNAL LOCATION					DESCRIPTION					RETROFIT OPTICAL UNIT QUANTITIES							MISCELLANEOUS WORK			
	ROUTE	M.P.	JUNCTION	LEFT APPROACH	THRU ROAD	RIGHT APPROACH	TYPE	FUNCTION	NOTES	SIZE	RED BALL	RED ARROW	YELLOW BALL	* YELLOW ARROW	GREEN BALL	GREEN ARROW	GREEN YELLOW ARROW	REPLACE VISOR QUANTITY	** PV LENS QUANTITY	SALVAGE LED YELLOW BALL QUANTITY	OTHERS
PH2	83	0.00		KAUKONAHUA (RTE 930)	JOE P. LEONG	-	I W/FLASHER	SIGNAL AHEAD		12"	7 2	0	4 1	3 3	2 0	2 2	0	0	0 0	0	
PH2	83	1.86		KAM HWY (OLD RTE 83)	JOE P. LEONG	-	I W/FLASHER	SIGNAL AHEAD		12"	7	0	4 4	3	2 2	2 5	0	0	0 0	0	
PH2	83	6.32		PARK DRIVEWAY	KAMEHAMEHA	PUPUKEA	INTERSECTION			12"	0	0	0	0	0	0	0	0	0	0	
NIC	83	6.33	PUPUKEA FS	-	KAMEHAMEHA	-	FLASHER	FIRE STATION		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	6.80	SUNSET	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	7.00	SUNSET	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	7.40	SUNSET EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	7.50	SUNSET EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	7.90	SUNSET EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	8.00	SUNSET EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	15.55	KAHUKU H	-	KAMEHAMEHA	-	FLASHER	SCHOOL		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	15.60	KAHUKU H	-	KAMEHAMEHA	-	FLASHER	SCHOOL/SPD		8"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
PH2	83	15.71		PUULUANA	KAMEHAMEHA	KAHUKU INT/HI	INTERSECTION			12"	10 10	0	10 10	0	9 9	0	0	0	0	0	
NIC	83	15.80	KAHUKU H	-	KAMEHAMEHA	-	FLASHER	SCHOOL		8"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	15.82	KAHUKU FS	-	KAMEHAMEHA	-	FLASHER	FIRE STATION		SPC	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	15.85	KAHUKU FS	-	KAMEHAMEHA	-	FLASHER	FIRE STATION		12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	15.90	KAHUKU HI	-	KAMEHAMEHA	-	FLASHER	SCHOOL		8"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	17.90	LAIE EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL/SPD	EB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	18.30	LAIE EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL/SPD	WB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
PH2	83	18.43		ANEMOKU	KAMEHAMEHA	SHOPPING CENTER	INTERSECTION			12"	11 11	0	11 11	0	11 11	0	0	0	0	0	
NIC	83	18.50	LAIE EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL/SPD	WB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	21.40	HAUULA EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL/SPD	EB	8"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	21.50	HAUULA EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL/SPD	WB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
PH2	83	25.90	KAHANA	-	KAMEHAMEHA	-	FLASHER	VEER	EB	12"	0	0	1	0	0	0	0	0	0	0	
PH2	83	26.00	KAHANA	-	KAMEHAMEHA	-	FLASHER	T-INTERSXN	EB	12"	0	0	1	0	0	0	0	0	0	0	
PH2	83	26.40	KAHANA	-	KAMEHAMEHA	-	FLASHER		EB	12"	0	0	1	0	0	0	0	0	0	0	F
PH2	83	26.90	KAHANA	-	KAMEHAMEHA	-	FLASHER	VEER	EB	12"	0	0	1	0	0	0	0	0	0	0	
PH2	83	27.10	KAHANA	-	KAMEHAMEHA	-	FLASHER		WB	12"	0	0	1	0	0	0	0	0	0	0	
NIC	83	27.70	KAAAWA FS	-	KAMEHAMEHA	-	FLASHER	FIRE STATION	EB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	27.80	KAAAWA FS	-	KAMEHAMEHA	-	FLASHER	FIRE STATION	WB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	28.40	KAAAWA EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL	EB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
NIC	83	28.60	KAAAWA EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL	WB	12"	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
PH2	83	34.20	WAIHAOLE EL	-	KAMEHAMEHA	-	FLASHER	SCHOOL	EB	8"	0	0	0	0	0	0	0	0	0	0	G
PH2	83	36.95		AHUIMANU RD	KAHEKILI	AHUIMANU RD	INTERSECTION			12"	12	0	12	0	12 12	0 0	4	0	0	0	
PH2	83	37.37		AHUIMANU PL	KAHEKILI	AHUIMANU PL	INTERSECTION			12"	12 12	0	12 12	0	11 11	10 10	2	0	0	0	

* - YELLOW ARROW TO REPLACE EXISTING CIRCULAR YELLOW INDICATION (ORIENTED SAME AS EXISTING GREEN ARROW)
** - INSTALL YELLOW ARROW (ORIENTED SAME AS EXISTING GREEN ARROW) UNLESS OTHERWISE NOTED
F - REPLACE EXISTING 8" FLASHER SIGNAL HOUSING W/ NEW 12"
G - DEMOLISH & DISPOSE FLASHER SIGNAL. VERIFY IF LIVE POWER AVAILABLE AT SIGNAL, IF SO, NOTIFY ENGINEER BEFORE START WORK.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

EB	EASTBOUND	PH2	PHASE 2, IN THIS CONTRACT
I W/FLASHER	INTERSECTION W/ FLASHER(S)	PV	PROGRAMMABLE VISIBILITY
IC	INTERCHANGE		TRAFFIC SIGNAL MADE BY 3M
MP	MILE POST, APPROX. ONLY	SB	SOUTHBOUND
NB	NORTHBOUND	SCHOOL/SPD LMT	SCHOOL/SPEED LIMIT
NIC	NOT IN CONTRACT	SPC	SPECIAL
OFF-R	OFF RAMP	UP	UNDERPASS
ON-R	ON RAMP	WB	WESTBOUND
OP	OVERPASS		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SCHEDULE
TRAFFIC SIGNAL MODERNIZATION
LED SIGNAL RETROFIT, PHASE 2
AT VARIOUS LOCATIONS ON OAHU
Fed. Aid Project No. CMAQ-0300(108)
Scale: None Date: May 2007
SHEET No. 6 OF 20 SHEETS

TRAFFIC SIGNAL LOCATION										DESCRIPTION		RETROFIT OPTICAL UNIT QUANTITIES							MISCELLANEOUS WORK			
ROUTE	M.P.	JUNCTION	LEFT APPROACH	THRU ROAD	RIGHT APPROACH	TYPE	FUNCTION	NOTES	SIZE	RED BALL	RED ARROW	YELLOW BALL	* YELLOW ARROW	GREEN BALL	GREEN ARROW	GREEN YELLOW ARROW	REPLACE VISOR QUANTITY	** PV LENS QUANTITY	SALVAGE LED YELLOW BALL QUANTITY	OTHERS		
83	37.80	AHUIMANU EL	-	KAHEKILI	-	FLASHER	SCHOOL/SPD	EB	12"	0	0	0	0	0	0	0	0	0	0			
83	37.83		HUI IWA (WEST)	KAHEKILI	HUI IWA (WEST)	INTERSECTION			12"	#11	0	#13	0	#13	0	#2		0	0	H		
83	37.90	AHUIMANU EL	-	KAHEKILI	-	FLASHER	SCHOOL/SPD	WB	12"	0	0	0	0	0	0	0	0	0	0			
83	38.10		HUI IWA (EAST)	KAHEKILI	VLY OF TEMPLES	I W/FLASHER	SIGNAL AHEAD		12"	#12	0	#13	0	#13	0	#3	0	0	0			
83	39.61		HAIKU	KAHEKILI	HAIKU	INTERSECTION			12"	12	0	#12	#0	#7	5	0	0	2	0			
83	39.94		KAHUHIPA	KAHEKILI	KAHUHIPA	INTERSECTION			12"	14	0	12	2	7	7	0	0	2	0			
83	40.16		KEAAHALA	KAHEKILI	KEAAHALA	I W/FLASHER	SIGNAL AHEAD		12"	#9	0	#10	#1	#5	#4	0	0	2	0			
83	40.48		KULUKEOE	KAHEKILI	KULUKEOE	INTERSECTION			12"	0	0	0	0	0	0	0	0	0	0			
83	40.53		-	KAHEKILI	-	FLASHER	OVERHEIGHT	EB	12"	0	0	0	0	0	0	0	0	0	0			
83	40.60		-	KAHEKILI	-	FLASHER	OVERHEIGHT	EB	12"	0	0	0	0	0	0	0	0	0	0			
83	40.65		-	KAHEKILI	-	MESSAGE BD		EB	SPC	0	0	0	0	0	0	0	0	0	0			
83	40.71		KAHEKILI	LIKELIKE	LIKELIKE OFF-R	I W/FLASHER	SIGNAL AHEAD	SB, NB, WB	12"	0	0	0	0	0	0	0	0	0	0			
83	41.21		-	LIKELIKE	-	FLASHER	OVERHEIGHT	SB	12"	0	0	0	0	0	0	0	0	0	0			
83	41.28		-	LIKELIKE	-	FLASHER	ROAD	SB	12"	0	0	0	0	0	0	0	0	0	0			
83	41.36		ANOI	LIKELIKE	ANOI	INTERSECTION			12"	0	0	0	0	0	0	0	0	0	0			
83	41.38		-	LIKELIKE	-	FLASHER	OVERHEIGHT	SB	12"	0	0	0	0	0	0	0	0	0	0			
83	41.60	CITY RD	-	KAMEHAMEHA	-	MESSAGE BD		WB TO LIKELIKE	SPC	0	0	0	0	0	0	0	0	0	0			
83	41.60		KAMEHAMEHA	LIKELIKE	KAMEHAMEHA	INTERSECTION			12"	#11	0	#11	4	#3	#9	0	0	4	0			
83	41.78		KOA KAHIKO(?)	KAMEHAMEHA	LULUKU	INTERSECTION			12"	#11	0	#9	#3	#6	#6	#2	0	1	0			
83	42.26		MOKULELE	KAMEHAMEHA	MOKULELE	INTERSECTION			12"	#6	0	#6	2	#4	#3	0	2	2	0	I		
83	42.90		-	KAMEHAMEHA	-	FLASHER	ROAD	EB	12"	0	0	0	0	0	0	0	0	0	0			
83	42.91		H3 OFF-R SB	KAMEHAMEHA	H3 ON-R SB	INTERSECTION			12"	#7	0	5	3	5	#2	#1	0	0	0			
83	43.03		H3 ON-R NB	KAMEHAMEHA	H3 OFF-R NB	INTERSECTION			12"	13	0	#9	#2	#7	7	0	0	1	0			
83	43.50		-	KAMEHAMEHA	-	FLASHER	ROAD	WB	12"	0	0	0	0	0	0	0	0	0	0			
83	43.80		-	KAMEHAMEHA	-	FLASHER	ROAD	EB	12"	0	0	0	0	0	0	0	0	0	0			

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

"AS-BUILT"