

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(108)	2008	18	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
99	4.75		PAALAA UKA PUPUKEA	KAMEHAMEHA	-	INTERSECTION			12"	0	0	12	0	7	3	2	0	0	0	
99	6.77		KAUKONAHUA	KAMANANUI	KAUKONAHUA	I W/FLASHER	INTERSECTION	4-WAY	12"	4*	0	2*	0	0	0	0	0	0	0	
99	7.68		WILIKINA	KAMANANUI	WILIKINA	I W/FLASHER	SIGNAL AHEAD		12"	0	0	6	3	3	2	0	0	1	0	
99	8.00		-	WILIKINA	MCNAIR (MCNAIR GATE)	INTERSECTION			12"	0	0	0	4	0	0	0	0	1	4	
99	8.35		-	WILIKINA	MACOMB (MACOMB GATE)	INTERSECTION			12"	6	0	5	2	5	2	0	0	1	0	
99	9.09		PRIVATE DRVWY	WILIKINA	KUNIA	INTERSECTION			12"	0	0	9	1	7	3	0	0	1	0	
99	9.38		LAKEVIEW CIRCLE	WILIKINA	-	INTERSECTION			12"	0	0	0	1	7	2	0	0	0	0	
99	9.80		-	WILIKINA	-	FLASHER	SCHOOL	NB	12"	0	0	0	0	0	0	0	0	0	0	
99	9.86		KAMEHAMEHA (RTE 80)	WILIKINA	KAMEHAMEHA (RTE 99)	INTERSECTION			12"	0	0	6	2	4	4	0	0	0	0	
99	10.01		HIGGINS	KAMEHAMEHA	SANTOS DUMONT	INTERSECTION			12"	11	0	11	0	7	4	0	0	2	0	
99	10.50		LEILEHUA G.C. RD	KAMEHAMEHA	-	INTERSECTION			12"	0	0	9	1	7	1	0	0	1	0	
99	11.71		WAIKALANI	KAMEHAMEHA	CLOSED ROAD	INTERSECTION			12"	15	0	12	3	10	5	0	0	0	0	
99	12.22		KIPAPA	KAMEHAMEHA	KIPAPA	INTERSECTION			12"	11	0	10	1	0	3	0	0	0	0	
99	12.38		KUAHELANI	KAMEHAMEHA	KUAHELANI	I W/FLASHER	SIGNAL AHEAD	NB, SB	12"	10	0	11	4	5	0	0	0	0	0	L
99	12.72		MEHEULA	KAMEHAMEHA	MEHEULA	INTERSECTION			12"	14	0	10	4	4	10	0	3	0	0	
99	13.24		LANIKUHANA	KAMEHAMEHA	LANIKUHANA	INTERSECTION			12"	16	0	10	6	10	6	0	0	0	0	
99	13.35		-	KAMEHAMEHA	-	FLASHER	VEER	SOLAR, SB	12"	0	0	1	0	0	0	0	0	0	0	
99	14.27		-	KAMEHAMEHA	-	FLASHER	VEER	SB	12"	0	0	2	0	0	0	0	0	0	0	
99	14.84		-	KAMEHAMEHA	-	FLASHER	VEER	SB	12"	0	0	1	0	0	0	0	0	0	0	
99	14.94		-	KAMEHAMEHA	-	FLASHER	VEER	SOLAR, NB	12"	0	0	1	0	0	0	0	0	0	0	
99	15.15		KA UKA	KAMEHAMEHA	KA UKA	INTERSECTION			12"	0	0	0	4	0	0	0	0	2	4	
99	15.87		WAIPIO UKA	KAMEHAMEHA	WAIPIO UKA	INTERSECTION			12"	0	0	0	4	0	0	0	0	0	4	
99	16.25		LUMIAINA	KAMEHAMEHA	LUMIAINA	INTERSECTION			12"	13	0	10	3	6	7	0	0	0	0	
99	16.53		LUMIAUUAU	KAMEHAMEHA	LUMIAUUAU	INTERSECTION			12"	13	0	11	2	10	3	0	0	0	0	
99	16.79		-	KAMEHAMEHA	WAIPAHU	INTERSECTION			12"	9	0	6	3	1	0	0	1	1	0	
99	17.82		ACCESS RD	KAMEHAMEHA	LEEWARD CC	INTERSECTION			12"	5	0	7	0	7	0	0	0	0	0	
99	18.27		ACACIA	KAMEHAMEHA	ACACIA	INTERSECTION			12"	0	0	0	6	0	0	0	0	0	6	
99	18.55		WAIMANO HOME	KAMEHAMEHA	LEHUA	INTERSECTION			12"	10	0	7	6	6	7	1	0	0	0	
99	18.72		PUU MOMI	KAMEHAMEHA	-	INTERSECTION			12"	10	0	0	2	6	4	0	1	0	0	
99	18.84		PUU PONI	KAMEHAMEHA	-	INTERSECTION			12"	9	0	0	1	6	3	0	0	0	0	
99	19.67		KAAHUMANU	KAMEHAMEHA	NEAL BLAISDELL PK	INTERSECTION			12"	12	0	10	2	0	4	0	0	0	0	
99	19.91		HEKAHA	KAMEHAMEHA	HEKAHA	INTERSECTION			12"	12	0	10	2	0	4	0	0	0	0	
99	20.07		KANUKU	KAMEHAMEHA	KANUKU	INTERSECTION			12"	14	0	12	2	9	5	0	0	0	0	
99	20.23		KAONOHI	KAMEHAMEHA	KAONOHI	INTERSECTION			12"	11	0	6	5	0	11	0	1	0	0	M
99	20.27		-	KAMEHAMEHA	LIPOA	INTERSECTION			12"	10	0	10	1	7	4	0	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
- PROVIDE SPAN WIRE APPLICATION LED, "EXPANDED VIEW", FOR 2-YELLOW & 2-RED FLASHERS ON SPAN WIRE
L - DEMOLISH & DISPOSE ADVANCE FLASHERS & POLES
M - PLUMB & REPLACE MAST ARM CLAMP KIT FOR TILTED SIGNAL

EB
I W/FLASHER
IC
MP
NB
NIC
OFF-R
ON-R
OP

EASTBOUND
INTERSECTION WITH FLASHER(S)
INTERCHANGE
MILE POST, APPROXIMATE ONLY
NORTHBOUND
NOT IN CONTRACT
OFF RAMP
ON RAMP
OVERPASS

ABBREVIATION

PH2
PV
SB
SCHOOL/SPD LMT
SPC
UP
WB

PHASE 2, IN THIS CONTRACT
PROGRAMMABLE VISIBILITY
TRAFFIC SIGNAL MADE BY 3M
SOUTHBOUND
SCHOOL/SPEED LIMIT
SPECIAL
UNDERPASS
WESTBOUND

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(108)	2008	19	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
NIC	99	20.61	PALI MOMI W	KAMEHAMEHA	SHOPPING CENTER	INTERSECTION			12"	6	0	1	2	1	5	0	0	0	0	
	99	20.66	PALI MOMI E	KAMEHAMEHA	-	INTERSECTION			12"	0	0	6	2	0	0	0	2	0	0	
	99	20.80	-	KAMEHAMEHA	-	MESSAGE BD		EB	SPC	0	0	0	0	0	0	0	0	0	0	
	99	20.91	HONOMANU	KAMEHAMEHA	MCGREW	INTERSECTION			12"	10	0	11	2	6	5	0	0	0	0	
	99	21.56	SALT LAKE WB	KAMEHAMEHA	-	I W/FLASHER	SIGNAL AHEAD	SB	12"	11	0	7	4	10	0	0	3	0	0	
	99	21.70	SALT LAKE EB	KAMEHAMEHA	FORD ISLAND	INTERSECTION			12"	1	0	11	1	7	5	0	0	0	0	
	99	22.00	KALALOA	KAMEHAMEHA	ARIZONA MEM. PL	INTERSECTION			12"	9	0	10	0	0	2	0	0	0	0	
	99	22.05	-	KAMEHAMEHA	-	FLASHER	VEER	SB	12"	0	0	1	0	0	0	0	0	0	0	
	99	22.13	HALAWA	KAMEHAMEHA	ARIZONA	INTERSECTION			12"	12	0	10	2	10	2	0	0	0	0	
	99	22.50	-	KAMEHAMEHA	-	FLASHER	VEER	SB	12"	0	0	1	0	0	0	0	0	0	0	N
	99	22.95	RADFORD	KAMEHAMEHA	RADFORD (MAKALAPA GT)	INTERSECTION			12"	12	0	12	0	6	7	1	0	0	0	
	99	23.21	CENTER	KAMEHAMEHA	CENTER	INTERSECTION			12"	12	0	11	1	9	3	0	2	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
N - DEMOLISH & DISPOSE FLASHER AND POLE, BACKFILL POLE HOLE WITH MATERIAL MATCHING SURROUNDINGS

ABBREVIATION

- EB

I W/FLASHER

IC

MP

NB

NIC

OFF-R

ON-R

OP

PH2

PV

SB

SCHOOL/SPD LMT

SPC

UP

WB
- EASTBOUND

INTERSECTION WITH FLASHER(S)

INTERCHANGE

MILE POST, APPROXIMATE ONLY

NORTHBOUND

NOT IN CONTRACT

OFF RAMP

ON RAMP

OVERPASS

PHASE 2, IN THIS CONTRACT

PROGRAMMABLE VISIBILITY

TRAFFIC SIGNAL MADE BY 3M

SOUTHBOUND

SCHOOL/SPEED LIMIT

SPECIAL

UNDERPASS

WESTBOUND

ORIGINAL PLAN	SURVEY PLOTTED BY _____		DATE _____
	DRAWN BY _____		_____
NOTE BOOK 10/2/07	DESIGNED BY _____		_____
	QUANTITIES BY _____		_____
No. 10/2/07/13	CHECKED BY _____		_____
	_____		_____

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: NoneDate: May 2007

SHEET No. 13 OF 20 SHEETS