

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(108)	2008	22	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	H1	0.47	PALAILAI IC	-	FARRINGTON WB	-	FLASHER	SLOW	12"	0	0	1	0	0	0	0	0	0	0	
PH2	H1	1.11	MAKAKILO IC	MAKAKILO	OFF-R WB	MAKAKILO	INTERSECTION		12"	9	0	5	4	0	9	0	0	0	0	
PH2	H1	5.37	KUNIA IC	-	ON-R EB	-	I W/FLASHER	SIGNAL AHEAD	12"	1	0	2	0	1	0	0	0	2*	0	S
NIC	H1	6.01		-	H1 EB	-	FLASHER	HOV LANE	SPC	0	0	0	0	0	0	0	0	0	0	
NIC	H1	6.28		-	H1 EB	-	FLASHER	HOV LANE	SPC	0	0	0	0	0	0	0	0	0	0	
NIC	H1	6.61		-	H1 EB	-	FLASHER	CROSSOVER	SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	7.08	PAIWA IC	PAIWA	ON/OFF-R EB	PAIWA	INTERSECTION		12"	7	0	7	0	3	4	0	0	0	0	
PH2	H1	7.08	PAIWA IC	PAIWA	ON/OFF-R WB	PAIWA	INTERSECTION		12"	7	0	7	0	3	4	0	0	0	0	
NIC	H1	7.30		-	H1 EB	-	FLASHER	HOV LANE	SPC	0	0	0	0	0	0	0	0	0	0	
NIC	H1	7.56		-	H1 EB	-	FLASHER	HOV LANE	SPC	0	0	0	0	0	0	0	0	0	0	
NIC	H1	7.83		-	H1 EB	-	FLASHER	CROSSOVER	SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	10.54	WAI'AU IC	MO'ANALUA	ON/OFF-R EB	MO'ANALUA	INTERSECTION		12"	9	0	5	4	4	5	0	0	0	0	
PH2	H1	10.89	WAI'AU IC	MO'ANALUA	OFF-R WB	MO'ANALUA	INTERSECTION		12"	4	0	3	4	0	7	0	0	0	0	
NIC	H1	12.40	KAAMILO OP	-	H1 EB	-	MESSAGE BD		SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	13.00	AIEA IC	MO'ANALUA FRWY	AIEA WB OFF-R	MO'ANALUA FRWY	FLASHER		12"	2	0	0	0	0	0	0	0	0	0	
PH2	H1	13.80	SALT LAKE UP	LUAPELE	SALT LAKE	LUAPELE	INTERSECTION		12"	8	0	10	2	6	6	0	0	2	0	
NIC	H1	14.70		-	H1 WB	-	MESSAGE BD		SPC	0	0	0	0	0	0	0	0	0	0	
NIC	H1	15.50		-	H1 WB	-	FLASHER	MERGE	SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	15.53		-	H1 EB	-	FLASHER	SLOW VEHICLE	12"	0	0	1	0	0	0	0	0	0	0	
PH2	H1	15.74		-	H1 WB	-	FLASHER	SLOW VEHICLE	12"	0	0	1	0	0	0	0	0	0	0	
NIC	H1	16.21		-	H1 WB	-	FLASHER	MERGE	SPC	0	0	0	0	0	0	0	0	0	0	
NIC	H1	16.56		-	H1 WB	-	FLASHER	MERGE	SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	18.72	KAHAU'IKI IC	BEFORE KING ST OP	H1 EB	BEFORE KING ST OP	FLASHER	VEER	12"	0	0	2	0	0	0	0	0	0	0	
PH2	H1	18.75	KAHAU'IKI IC	BEFORE KING ST OP	H1 EB	BEFORE KING ST OP	FLASHER	VEER	12"	0	0	0	0	0	0	0	0	0	0	
PH2	H1	19.88	HOUGHTAILING UP	HOUGHTAILING	HALONA	HOUGHTAILING	INTERSECTION		12"	6	0	10	0	4	2	0	0	0	0	
NIC	H1	20.30	HALONA ON-R	-	ON-R WB	-	FLASHER	ROAD	12"	0	0	0	0	0	0	0	0	0	0	
NIC	H1	20.80	LILIHA OP	-	H1 WB	-	MESSAGE BD		SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	21.03	AALA OP	SCHOOL	AALA	SCHOOL	INTERSECTION		12"	5	0	5	0	5	0	0	0	0	0	
PH2	H1	21.24	NUUANU OP	SCHOOL	NUUANU	SCHOOL	INTERSECTION		12"	3	0	7	0	3	0	0	0	0	0	
NIC	H1	21.48	PUOWAINA IC	-	OFF-R EB	-	FLASHER	SCHOOL	12"	0	0	0	0	0	0	0	0	0	0	
NIC	H1	21.48	PUOWAINA IC	-	OFF-R EB	-	FLASHER	SCHOOL/SPD	8"	0	0	0	0	0	0	0	0	0	0	
PH2	H1	21.55	Q. EMMA OP	SCHOOL	QUEEN EMMA	IOLANI	INTERSECTION		12"	2	0	2	0	2	0	0	0	0	0	
PH2	H1	21.75	KUNIA OFF-R	KINAU	OFF-R EB	LUSITANA	FLASHER	VEER	12"	0	0	1	0	0	0	0	0	0	0	
PH2	H1	22.13	WARD OP	KINAU	WARD	KINAU	INTERSECTION		12"	5	0	8	0	8	2	0 2	0	0	0	
PH2	H1	22.13	WARD OP	LUNALILO	WARD	LUNALILO	INTERSECTION		12"	6	0	8	0	6	0	0	0	0	0	

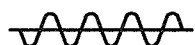
- * - YELLOW ARROW TO REPLACE EXISTING CIRCULAR YELLOW INDICATION (ORIENTED SAME AS EXISTING GREEN ARROW)

** - INSTALL YELLOW ARROW (ORIENTED SAME AS EXISTING GREEN ARROW) UNLESS OTHERWISE NOTED

2* - I-YELLOW ARROW, DIAGONAL 45°

I-GREEN ARROW, DIAGONAL 45°

S - MODIFY YELLOW & GREEN BALLS TO ARROWS, ALIGN DIAGONAL TO MATCH PV SIGNAL

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
I W/FLASHER	INTERSECTION WITH FLASHER(S)
IC	INTERCHANGE
MP	MILE POST, APPROXIMATE ONLY
NB	NORTHBOUND
NIC	NOT IN CONTRACT
OFF-R	OFF RAMP
ON-R	ON RAMP
OP	OVERPASS

ABBREVIATION

PH2	PHASE 2, IN THIS CONTRACT
PV	PROGRAMMABLE VISIBILITY
	TRAFFIC SIGNAL MADE BY 3M
SB	SOUTHBOUND
SCHOOL/SPD LMT	SCHOOL/SPEED LIMIT
SPC	SPECIAL
UP	UNDERPASS
WB	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

SHEET No. 16 OF 20 SHEETS

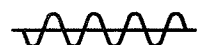
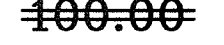
"AS-BUILT"

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	H1	22.16	WARD OP	-	H1 WB	-	MESSAGE BD		SPC	0	0	0	0	0	0	0	0	0	0	
PH2	H1	22.50	PENSACOLA UP	LUNALILO	PENSACOLA	LUNALILO	INTERSECTION		12"	3	0	3	0	3	0	0	0	0	0	
PH2	H1	22.60	PIIKOI UP	PIIKOI	LUNALILO	PIIKOI	INTERSECTION		12"	5	0	5	0	4	1	0	0	2	0	
PH2	H1	22.84	KEEAUMOKU OP	KINAU	KEEAUMOKU	KINAU	INTERSECTION		12"	8	0	8	0	8	0	0	0	0	0	
NIC	H1	23.12	PUNAHOU OP	-	H1 EB	-	FLASHER	DETOUR	EB	12"	0	0	0	0	0	0	0	0	0	
PH2	H1	23.15	PUNAHOU OP	PUNAHOU	OFF-R EB	PUNAHOU	INTERSECTION		12"	6	0	4	0	5	1	0	0	1	0	
NIC	H1	23.38	ALEXANDER ON	-	ALEXANDER	-	FLASHER	DETOUR		12"	0	0	0	0	0	0	0	0	0	
PH2	H1	23.53	MCCULLY OP	BERETANIA	MCCULLY	BERETANIA	INTERSECTION		12"	7	0	7	0	7	0	0	0	0	0	
NIC	H1	23.86	WILDER OFF-R	-	H1 WB	WILDER OFF-R	FLASHER	DETOUR	WB	12"	0	0	0	0	0	0	0	0	0	
PH2	H1	23.86	WILDER OFF-R	-	WILDER OFF-R	-	FLASHER	SPD LMT		12"	0	0	1	0	0	0	0	0	0	
PH2	H1	24.12	MANOA IC	-	UNIVERSITY	VARSIY	INTERSECTION		12"	4	0	6	0	4	0	0	0	0	0	
PH2	H1	24.59	KAPIOLANI IC	H1 ON-R EB	KAPIOLANI	-	INTERSECTION		12"	5	0	5	2	4	4	0	0	0	0	
PH2	H1	24.59	KAPIOLANI UP	KING	KAPIOLANI	HARDING	INTERSECTION		12"	7	0	4	4	0	9	0	0	1	0	
PH2	H1	24.82	KAPAHULU UP	HARDING	KAPAHULU	HARDING	INTERSECTION		12"	9	0	9	0	7	2	2	0	0	0	
PH2	H1	25.28	5TH ON-R	HARDING	5TH	HARDING	INTERSECTION		12"	0	0	5	0	0	0	0	0	0	0	
PH2	H1	25.77	11TH ON-R	HARDING	11TH	HARDING	INTERSECTION		12"	6	0	6	0	5	0	1	0	0	0	
PH2	H1	25.87	KOKO HD OP	KOKOHEAD	OFF-R EB	KOKOHEAD	INTERSECTION		12"	0	0	2	1	0	0	0	0	0	0	
PH2	H1	25.87	KOKO HD OP	PAHOA	OFF-R EB	PAHOA	INTERSECTION		12"	10	0	10	0	10	0	0	0	0	0	
PH2	H1	25.87	KOKO HD OP	HARDING	KOKOHEAD	HARDING	INTERSECTION		12"	6	0	6	0	6	0	0	0	0	0	
NIC	H1	26.53	WAIALAE IC	21ST	OFF-R EB	21ST	INTERSECTION		12"	0	0	0	0	0	0	0	0	0	0	
NIC	H1	26.60	HUNAKAI UP	HUNAKAI	WAIALAE	HUNAKAI	INTERSECTION		12"	0	0	0	0	0	0	0	0	0	0	
NIC	H1	26.82	KILAUEA UP	KILAUEA	WAIALAE	KILAUEA	INTERSECTION		12"	0	0	0	0	0	0	0	0	0	0	
PH2	H1	27.00		-	H1 EB	-	FLASHER	LANE CLOSE	12"	0	0	0	0	0	0	0	0	0	0	
PH2	H1	27.25		-	H1 EB	-	FLASHER	MERGE	12"	0	0	0	0	0	0	0	0	0	0	

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