

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RSG-0580(3) DP-056-1(30)	1982	2	15

LEGEND

- 12" RYG STANDARD TRAFFIC SIGNAL HEAD
- 12" RY↑ TRAFFIC SIGNAL HEAD
- 12" RY← TRAFFIC SIGNAL HEAD
- STANDARD TRAFFIC AND PEDESTRIAN SIGNAL HEADS MOUNTED ON TYPE I SIGNAL STANDARD, HEIGHT = 10'
- 20' TRAFFIC SIGNAL HEAD MOUNTED ON TYPE II SIGNAL STANDARD, ARM SPREAD SHOWN 20'
- PEDESTRIAN SIGNAL HEAD MOUNTED ON TYPE I SIGNAL STANDARD, HEIGHT = 8'
- ☒ TYPE "A" PULLBOX
- TYPE "B" PULLBOX
- M TYPE "B" PULLBOX WITH MODIFIED COVER
- ☐ LOOP DETECTOR, SERIES-PARALLEL CONNECTED
- ☐ LOOP DETECTOR, SERIES CONNECTED
- LP LIGHT POLE
- PP POWER POLE
- EXISTING STRIPING
- EXISTING STRIPING TO BE REMOVED
- NEW STRIPING
- ↗ EXISTING PAVEMENT ARROW TO BE REMARKED WITH MARKING TAPE
- ↘ EXISTING PAVEMENT ARROW TO BE REMOVED
- ↗ NEW PAVEMENT ARROW (MARKING TAPE)
- ||||| NEW CROSSWALK MARKINGS (MARKING TAPE)
- W₆— EXISTING UTILITY LINES AS SHOWN
W = WATER
HTCO = TELEPHONE
CATV = CABLE TV

CONSTRUCTION NOTES

- LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES SUCH AS PIPELINES, CONDUITS, CABLES, ETC., SHOWN ON PLANS ARE APPROXIMATE ONLY. IT IS NOT THE INTENT OF THESE PLANS TO SHOW THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES WITH THE RESPECTIVE OWNERS. EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN COST.
- THE LOCATIONS OF THE TRAFFIC SIGNAL STANDARDS, TRAFFIC SIGNAL STANDARDS WITH MAST-ARM, PEDESTRIAN PUSH BUTTONS, TRAFFIC CONTROLLER, PULLBOXES, CONDUITS AND LOOP DETECTORS SHALL BE STAKED OUT IN THE FIELD BY THE CONTRACTOR AND APPROVAL OF THE LOCATIONS SHALL BE OBTAINED FROM THE ENGINEER PRIOR TO CONSTRUCTION AND INSTALLATION.
- ALL TRAFFIC SIGNAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", FEDERAL HIGHWAY ADMINISTRATION (1978) AND AMENDMENTS.
- LOCATIONS OF PAVEMENT STRIPING, MARKERS, AND MARKINGS (PAVEMENT ARROWS, STOP LINES, CROSSWALK, ETC.) SHOWN ON THE PLANS SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE INSTALLATION OF THE TRAFFIC SIGNAL SYSTEM.
- MAINTENANCE OF TRAFFIC THROUGH THE CONSTRUCTION AREA SHALL BE IN ACCORDANCE WITH PART VI OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", FEDERAL HIGHWAY ADMINISTRATION (1978) AND AS SPECIFIED IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE BARRICADES, BLINKERS, CONSTRUCTION SIGNS, ETC. FOR THE SAFETY OF THE MOTORING PUBLIC.
- REMOVAL OF EXISTING SIGNS SHALL ALSO INCLUDE THE REMOVAL OF POSTS AND FOUNDATIONS UNLESS OTHERWISE NOTED. ALL SIGN MATERIALS REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR. COSTS FOR REMOVAL OF SIGNS, POSTS, AND FOUNDATIONS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK.
- CONTRACTOR SHALL CONTACT DERBY CABLE T.V., PHONE 822-4991, 24 HOURS PRIOR TO BEGINNING ANY EXCAVATION WORK.
- ALL EXISTING PAVEMENT STRIPING TO REMAIN SHALL BE RESTRIPIED FROM STA. 14+00 TO STA. 22+00 (PROJECT NO. RSG-0580(3)). COST OF RESTRIPIED SHALL BE PAID FOR UNDER ITEM NO. 629.1010A PAVEMENT STRIPING. MISSING PAVEMENT MARKERS SHALL BE REPLACED. COST SHALL BE INCIDENTAL TO RESTRIPIED WORK.
- ALL NEW AND EXISTING (TO REMAIN) STOP BARS, CROSSWALKS, CHANNELIZING ISLANDS AND PAVEMENT ARROWS SHALL BE DELINEATED WITH PAVEMENT MARKING TAPE AND SHALL BE PAID FOR UNDER ITEM NOS. 629.1011 PAVEMENT MARKING TAPE, 12 INCH AND 629.1012 PAVEMENT MARKING TAPE, 8 INCH.
- UPON APPROVAL OF THE ENGINEER, LOCATION AND NUMBER OF SIGNS SHOWN ON SHEET NO. 3, "TRAFFIC CONTROL PLAN", MAY BE ADJUSTED AS FIELD CONDITIONS WARRANT.

TRAFFIC SIGNAL NOTES

- ALL TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE COMPLETELY WIRED IN THE CABINET AND SHALL CONTROL THE TRAFFIC SIGNALS AS CALLED FOR IN THE PLANS.
- SIGNAL INDICATIONS DURING CLEARANCE INTERVAL:
 - IF A SIGNAL IS G OR <G AND WILL REMAIN G OR <G DURING THE NEXT PHASE, IT SHALL BE G OR <G DURING THE CLEARANCE INTERVAL.
 - IF A SIGNAL IS G OR <G AND WILL BECOME R OR EXTINGUISHED DURING THE NEXT PHASE, IT SHALL BE Y OR <Y DURING THE CLEARANCE INTERVAL.
 - IF A SIGNAL IS R AND WILL REMAIN R OR BECOMES G DURING THE NEXT PHASE, IT SHALL REMAIN R DURING THE CLEARANCE INTERVAL.
- THE CONTROLLER FURNISHED SHALL BE A 2-4 PHASE CONTROLLER. A COORDINATION UNIT IS NOT REQUIRED FOR THIS PROJECT. HOWEVER, THE CABINET SHALL BE WIRED FOR INSTALLING IN THE FUTURE A COORDINATION UNIT OF THE SAME MANUFACTURER AS THE CONTROLLER UNIT.
- THE LOOP AMPLIFIER UNITS FURNISHED FOR THIS PROJECT SHALL BE CAPABLE OF OPERATING THE LOOP DETECTOR CONFIGURATIONS SHOWN ON THE PLANS.
- MINIMUM CONTROLLER CABINET SIZE SHALL BE 40" HIGH, 24" WIDE AND 14" DEEP.
- CONTRACTOR SHALL FURNISH A 50-AMPERE CIRCUIT BREAKER.
- A SOLID #8 BARE COPPER WIRE SHALL BE PULLED WITH THE TRAFFIC CONTROL CABLE FOR EQUIPMENT GROUND. COST SHALL BE INCIDENTAL TO THE INSTALLATION OF THE CONTROL CABLE.

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Randall S. Okano
Signature

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
LEGEND AND NOTES
KUAMOO RD, TRAFFIC SIGNALS AT KUHIO HWY. FED. AID PROJ. NO. RSG-0580(3)
AND KUHIO HWY, TRAFFIC SIGNALS AT LAUKONA ST. FED. AID PROJ. NO. DP-056-1(30)
DATE: 6-25-82
SHEET No. 1 OF 1 SHEETS