

TRAFFIC SIGNAL NOTES

1. The locations of the Traffic Signal Standards, Traffic Signal Standards w/Mast Arms, 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.
2. All splicing shall be done in the pullboxes.
3. Furnishing and installing the conduit stubouts (pullboxes to edge of pavement) will not be paid for separately but shall be considered incidental to the various contract items.
4. A solid #8 bare copper wire shall be pulled with the traffic signal control cable for equipment ground. Cost shall be incidental to the installation of the control cable.
5. All Traffic signal controller equipment shall be completely wired in the cabinet and shall control the traffic signals as called for in the plans.
6. The loop amplifier units furnished for this project shall be capable of operating the loop detector configurations shown on the plans. Cost for the loop amplifier shall be incidental to the installation of the loop detector.
7. Should any defect be encountered during the warranty period, the manufacturer will be notified and he shall promptly correct such defect. Service call (by factory qualified representative) during the warranty period for repairs or other maintenance shall be answered within 24 hours and shall be done at no expense to the State. All repairs shall be done as soon as possible.
8. All traffic signal work shall conform to the requirements of the "Manual On Uniform Traffic Control Devices For Streets And Highways", Federal Highway Administration (1988) and Amendments.
9. Locations of pavement markings and markers (lane lines, Stop lines, Crosswalk, etc.) shown on the plans shall be verified with the Engineer prior to the installation of the traffic signal system.
10. The Contractor shall notify the Traffic Control Branch, Department of Transportation Services, City & County of Honolulu, (phone no. 523-4589) two weeks prior to commencing any work on the traffic signal system.
11. The Department of Transportation Services, City & County of Honolulu, will assist the Engineer in construction inspection for the traffic signal system. The Contractor shall notify the Traffic Signals and Technology, Department of Transportation Services, three (3) working days prior to commencing work on the traffic signal system (phone no. 523-4589).
12. Connecting into existing traffic signal system and making all necessary adjustments shall not be paid for separately, but considered incidental to the various traffic signal contract items.
13. All conduits between pullboxes and Traffic Signal Standards shall not be paid for separately but considered incidental to the various contract items.
14. All Signal-Drop Cables (Type 5 cable) from the various types traffic signal head on the traffic signal standards and mast arms to the pullboxes shall not be paid for separately but considered incidental to the traffic signal head.
15. After installing the cables in the conduits, the Contractor shall duct seal all conduits in the controller cabinet, pullboxes and standards with an Engineer approved product. The cost for duct sealing the conduits shall not be paid for separately but considered incidental to the various contract items.

TRAFFIC SIGNAL LEGEND

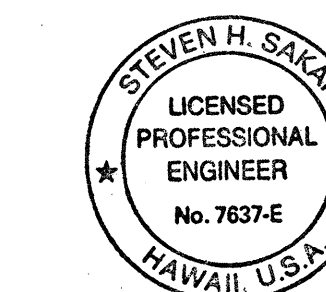
	Traffic Signal Local Controller
	Traffic Signal Conduits & Cables
	Overhead Traffic Signal Cables
	12" RYG Traffic Signal Head
	12" RYU Traffic Signal Head
	12" RYU Traffic Signal Head
	12" RYU Traffic Signal Head
	12" RYU Traffic Signal Head
	12" RYU Traffic Signal Head
	12" RYU Traffic Signal Head
	Type I Traffic Signal Standard w/Traffic Signal Head as specified on plan
	Type II Traffic Signal Standard W/ Mast Arm and Traffic Signal Heads (length of mast arm & distance between signal heads as specified on plan)
	Pedestrian Signal Head
	Type A (Old Type B) Pullbox (Traffic Signal)
	Type B (Old Type C) Pullbox (Traffic Signal)
	Type C (Old Type D) Pullbox (Traffic Signal)
	Concrete Stub-out Marker, See Det A/E-9
	Cast Aluminum J-box, WP, Gasketed, 8" W X 16" L X 4" D
	Loop Detectors
	Opticom Receiver
	CCTV Camera
	CCTV Camera Cabinet
	Pedestrian Pushbutton
	Traffic Signal System Ductline Designator. Type "A" Duct Section Indicated See Sheet E-6

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-K34	2000	24	38

EXISTING FACILITIES LEGEND

	Existing Monument
	Existing Joint Utility Pole
	Existing AT&T Line
	Existing 24" Water Line
	Existing Water Manhole
	Existing Water Valve Box
	Existing Water Air Valve
	Existing Fire Hydrant
	Existing 24" Drain Line
	Existing Storm Drain Manhole
	Existing Grated Drop Inlet
	Existing Catch Basin
	Existing Sewer Manhole
	Existing Sewer Line
	Existing 2" Gas Line
	Existing Gas Manhole
	Existing Sign With 1 Post
	Existing Sign With 2 Post
	Existing Electric & Telephone Line (overhead)
	Existing 250W Street Light Luminaire and Bracket Arm
	Existing 150W Street Light Luminaire and Bracket Arm
	Existing Street Light Conduits
	Existing Street Light Line (overhead)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY	DESIGNED BY	
CHECKED BY	CHECKED BY	
DATE	DATE	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
DATE: 10/1/00

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
STREET LIGHT/TRAFFIC SIGNAL LEGEND AND NOTES
PALI HIGHWAY INTERSECTION IMPROVEMENTS AT JACK LANE PROJECT NO. STP-061-K34
Scale: None Date:
SHEET No. E-2 OF 13 SHEETS