

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(20)	2000	16	28

TRAFFIC SIGNAL LEGEND

	New Traffic Signal Controller
	New Electric Meter Socket
	New Traffic Signal Conduits & Cables See Details on sheet 27.
	Exist Traffic Signal Head
	New 12" RYG Traffic Signal Head
	New 12" RYG Traffic Signal Head w/ Back Plate
	New 12" RY ↑ Traffic Signal Head
	New 12" RY ↑ Traffic Signal Head w/ Back Plate
	New 12" RYG $\leftarrow \frac{G}{Y}$ Fiber Optic Traffic Signal Head
	New 12" RYG $\leftarrow \frac{G}{Y}$ Fiber Optic Traffic Signal Head with Back Plate
	Existing Type II Traffic Signal Standard with Mast Arm and Traffic Signal Heads
	New Type II Traffic Signal Standard with Mast Arm and Traffic Signal Heads
	Exist Pedestrian Signal Head
	New Pedestrian Signal Head
	Existing Pullbox
	New Type A Metric Pullbox See Details on sheet 23.
	New Type B Metric Pullbox See Details on sheet 24.
	New Type C Metric Pullbox See Details on sheet 24.
	Existing Loop Dectectors
	New Loop Detectors See Details on sheet 25.
	Temporary Microwave Detector
	New Opticom Receiver

TRAFFIC SIGNAL NOTES

1. The locations of the traffic signal standards, 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. Any required splicing shall be done in the pullboxes.
3. Furnishing and installing controller barriers, risers on poles and 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 Contractor shall install one meter socket and 50 amp. breaker as shown on the plans in accordance with Kauai Electric requirements. The Meter shall be mounted between 5 feet and 6 feet above ground. Meter socket shall be 4-prong, complete with a manual circuit closing device.
7. 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.
8. Should any defect be encountered during the controller 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 whatsoever to the State. All repairs shall be done as soon as possible.
9. Existing traffic signal standards to be replaced shall be removed together with its respective footing. The Contractor may elect to remove only the top portion of the footing. In such cases, the Contractor shall ensure that the remaining footing shall be 12 inches below the existing or finish ground. The Engineer will determine whether the removed standards shall be disposed of or salvaged. Costs shall be considered incidental to the various contract items.
10. The existing traffic signal system shall remain in operation until the new traffic signal system is put into service. The Contractor shall arrange his work accordingly and shall provide temporary relocations and wirings, as necessary. Payment shall be considered incidental to the various contract items.
11. The Contractor shall clean and/or repair the existing traffic signal pullboxes to be used prior to installing conduits and cables. This work will not be paid for separately but shall be considered incidental to the various contract items.
12. The existing controller foundation not to be incorporated in the final traffic signal system shall be removed in accordance with Section 202, "Removal of Structures and Obstructions" of the Standard Specifications. Costs shall be considered incidental to the various contract items.
13. The Contractor shall maintain a 36" clearance between the Control Ductline and Loop Detectors.
14. Restoration of existing pavements and improvements unavoidably damaged shall be incidental to the various contract items. Restoration shall be to original or better condition.
15. The Contractor shall provide off-duty police officer(s) to control the flow of traffic as required by the Engineer.
16. Removing and disposing of existing Power Source Equipment (i.e. meter, conduits, cables, etc.) shall not be paid for separately but considered incidental to the various contract items.
17. Removing and salvaging existing traffic signal equipment including controllers, pullbox frame & cover, cabinets, pedestrian push buttons, etc. shall not be paid for separately but considered incidental to the various contract items.
18. Type 2 cables between the pedestrian push button and pullbox shall be furnished and installed in sufficient numbers and lengths, as required. Cost shall be incidental to the installation of pedestrian push buttons.

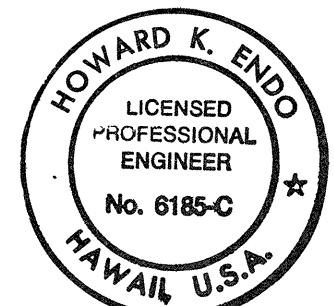
19. Conduits between traffic signal standard and pullbox shall be furnished and installed in sufficient numbers and lengths, as required. Cost shall be incidental to traffic signal foundation.
20. Conduits between pedestrian push button pedestals and pullbox shall be furnished and installed in sufficient numbers and lengths, as required. Cost shall be incidental to pedestrian push button pedestal foundation.

APPROVED:

County Engineer, Dept. of Public Works
County of Kauai
(For work within County R/W)

1/21/00
Date

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	CHECKED BY	
	QUANTITIES BY	



THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION.

SHINABUKURO, ENDO & YOSHIZAKI, INC.
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL NOTES
AND LEGEND

Kaumualii Highway Traffic Signal
Modernization at Various Locations
Federal-Aid Project No. STP-050-1(20)

Scale: As Shown
Date: Apr., 2000

SHEET No. 1 OF 1 SHEETS