

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-96	1996	8	11

TRAFFIC SIGNAL LEGEND

	Existing Traffic Signal Controller
	New Traffic Signal Conduits & Cables
	Existing 12" RYG Traffic Signal Head to Remain
	New 12" RYG Traffic Signal Head
	New 12" RY↑ Traffic Signal Head
	New 12" RY← Traffic Signal Head
	New 12" RY← Traffic Signal Head (Programmed Visibility)
	Existing 12" RY← Traffic Signal Head to Remain
	New Type II Traffic Signal Standard (Mast Arm Length, Signal Heads with Spacing as specified.)
	New Type I Traffic Signal Standard (Height-10') Signal Heads as specified
	New Pedestrian Signal Head
	Existing Pedestrian Signal Head to Remain
	New Type A Pullbox
	New Type C Pullbox (C#C Type) (For Details, See Plan Sht. No. 10)
	New Type D Pullbox (C#C Type) (For Details, See Plan Sht. No. 10)
	New Loop Detectors
	Existing Loop Detectors to Remain
	New Opticom Receiver

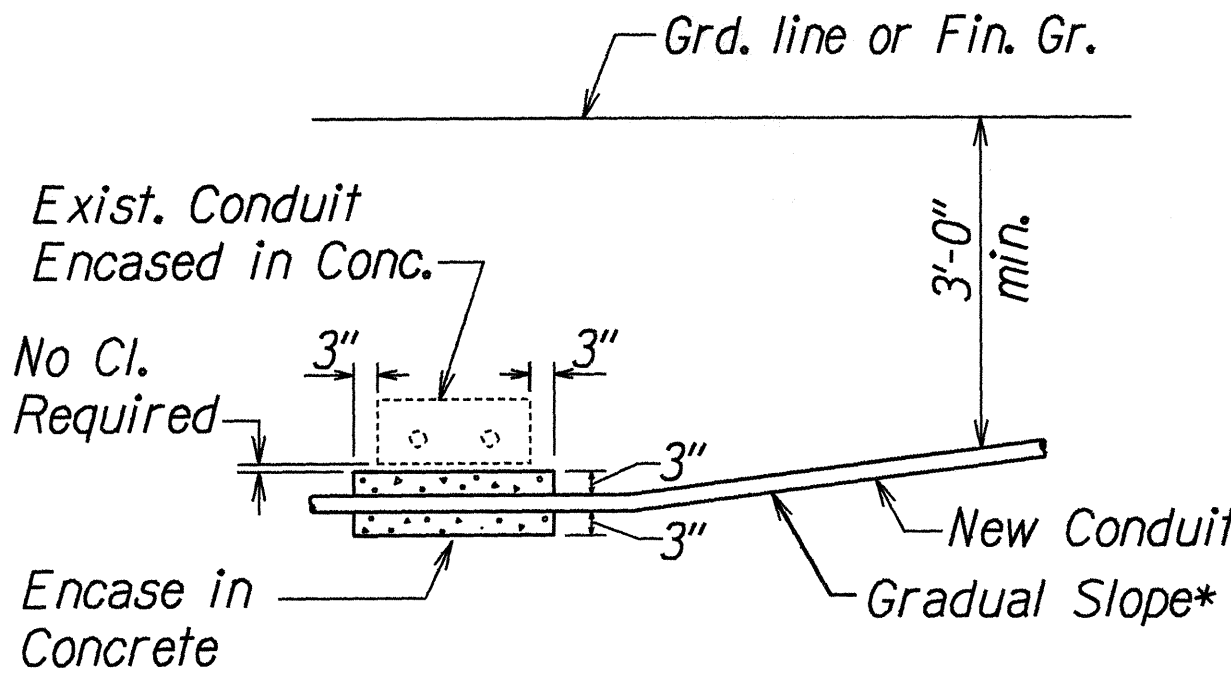
LEGEND

	Existing Power Pole
	Existing Telephone Line
	Existing Telephone Pole
	Existing Telephone Pullbox
	Existing Signal Corps Line
	Existing Fire Hydrant
	Existing 24" Water Line
	Existing 24" Drain Line
	Existing Storm Drain Manhole
	Existing Grated Drop Inlet
	Existing Catch Basin

	Existing Gas Line
	Existing Sewer Line
	Existing Street Light Pullbox
	Existing Traffic Signal Pullbox to Remain

TRAFFIC SIGNAL NOTES

- 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.
- All splicing shall be done in the pullboxes.
- 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.
- 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.
- All Traffic signal controller equipment shall be completely wired in the cabinet and shall control the traffic signals as called for in the plans.
- 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.
- Should any defect be encountered during the warranty period, the manufacturer will be notified 1/4 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.
- 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.
- Locations of traffic 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.
- The Contractor shall notify the Traffic Signal Branch, Department of Transportation Services, City & County of Honolulu, (phone no. 527-5007) two weeks prior to commencing any work on the traffic signal system.
- 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 Electrical and Maintenance Services Division, Department of Transportation Services, three (3) working days prior to commencing work on the traffic signal system (phone no. 527-5007).
- Installation of the Opticom Receiver shall conform in accordance with the Standard Details of the Department of Transportation Services, City & County of Honolulu, Electrical and Maintenance Services Division, and all subsequent amendments and additions.
- The concrete jacket for the Conduit By-Pass Details shown on this sheet, shall not be paid for separately but considered incidental to the various contract items. The Engineer shall determine if a concrete jacket is required.



CONDUIT BY-PASS DETAIL
Not to Scale

City & County Electrical Inspector

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES BOOK	DRAWN BY	1/10/96
20/11/1996	DESIGNED BY	
20/11/1996	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC SIGNAL
LEGEND, DETAILS & NOTES
KALIHI STREET
Intersection Improvements at
Nimitz Highway
Project No. 63A-01-96
Not to Scale Date: Apr., 1996
SHEET No. 1 OF 1 SHEETS