

CONSTRUCTION NOTES









1. The scope of work for this project consists of connecting a new Flashing Yellow Beacon System with the existing traffic signal system.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety, Subsection 107.21 - Contractor's Responsibility for Utility Property and Services, Section 645 - Traffic Control.
4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
5. Locations of existing underground structures and utilities such as pipelines, conduits, cables, etc., manholes, monuments, and structures 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.
6. Contractor shall provide for access to and from all existing side streets and driveways at all times.
7. Maintenance of traffic through the construction area shall be in accordance with Part VI, "Standards and Guidelines for Traffic Controls for Street and Highway Construction, Maintenance, Utility and Incident Management Operations", of the "Manual On Uniform Traffic Control Devices For Streets And Highways", Federal Highway Administration (1988 Edition), to include all Revisions and Errata Sheets to Part VI 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.
8. The Contractor shall notify the Oahu Transit Services Inc. (OTS), Ed Sniffen, at 848-4571 or Lowell Tom at 848-4578 two weeks prior to beginning any work, informing them of location, scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stop.
9. All saw cutting work shall be considered incidental to Roadway Excavation.
10. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.
11. Earth swale shall be graded to drain. Earth swale shall not be paid for separately, but shall be considered incidental to the various contract items.
12. All necessary permits for work within the jurisdiction of the City and County of Honolulu shall be obtained by the Contractor at his own cost.
13. Dressing of shoulder, shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.

14. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs placed as indicated on the plans or as directed by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 - Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean and deliver the signs and posts to the Oahu District Baseyard or as directed by the Engineer upon completion of the project.

TRAFFIC SIGNAL NOTES
































1. The locations of the Pullboxes, Conduits and Flashing Yellow Beacon 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, except between beacon and controller is prohibited.
3. 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 whatsoever to the State. All repairs shall be done as soon as possible.
4. 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.
5. 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.
6. 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).
7. Connecting the new flashing beacon cable into existing traffic signal controller and making all necessary adjustments shall not be paid for separately, but considered incidental to the various traffic signal contract items.
8. The Contractor shall keep the existing Traffic Signal System operational at all times.
9. The Contractor shall locate and adjust existing pullboxes to meet existing grade.

TRAFFIC SIGNAL LEGEND

-  Existing Traffic Signal Controller
-  New Traffic Signal Conduits & Cables
-  Existing Traffic Signal Conduits & Cables
-  Exist. Traffic Signal Standard & Signal Head
-  Exist. Pedestrian Signal Head
-  Existing Traffic Signal Pullbox
-  Exist. Loop Detectors
-  New Type A Pullbox (Traffic Signal) (Old Type B)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-05-98	1998	5	9

LEGEND

-  Existing Monument
-  Existing Light Pole
-  Existing Hawaiian Electric Handhole
-  Existing Hawaiian Electric Pullbox
-  Existing Electric Line (underground)
-  Existing Telephone Pole
-  Existing Telephone Line (underground)
-  Existing Telephone Manhole
-  Existing Telephone Handhole
-  Existing Cable Line
-  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 Traffic Signal Pullbox
-  Existing Traffic Signal Pole
-  Existing Traffic Signal Conduits
-  Existing Sign With 1 Post
-  Existing Sign With 2 Post
-  New Sign With 1 Post
-  New Sign With 2 Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION & TRAFFIC
NOTES AND LEGEND**

FARRINGTON HIGHWAY
Installation of Flashing Beacon at Laaloa Street
Project No. 93A-05-98
Date: Jan., 1998

SHEET No. 1 OF 1 SHEETS