

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	3	56

GENERAL CONSTRUCTION NOTES:

- The scope of work for this project consists of installation of new conductors, street light standards, and conduits, and excavation and backfill.
- All work shall be constructed in accordance with the following construction standards and specifications:
 - General Order No. 6 and No. 10 Public Utilities Commission, State of Hawaii, current edition.
 - Construction standards of Department of Transportation, State of Hawaii, 1994.
 - Current Standards Specifications for Road and Bridge Construction, State of Hawaii.
 - Standard Details for Public Works Construction, Department of Public Works, City and County of Honolulu.
 - Current Standard Specifications for Public Works Construction, Department of Public Works, City and County of Honolulu.
 - Construction Standards of the Department of Transportation Services, City and County of Honolulu.
 - Construction Standards and Specifications of Hawaiian Electric Company.
- It is not the intent of these plans and specifications to indicate that all existing utilities are shown on the plans. The informations on the existing utilities are based on available plans. The locations are approximate only and the contractor shall verify the location and depth of the facilities and exercise proper care in excavating in this area. All existing utilities whether or not shown on the plans shall be protected at all times by the contractor. The contractor shall be responsible for any damages to the facilities whether shown or not shown on plans. Any repair work shall be provided at no additional cost to this project.
- The contractor shall exercise proper care when excavating in areas with existing underground facilities. Damages to the existing facilities shall be immediately reported to the respective utility companies, city or state agency. The repair work shall be provided at no additional cost to this project.
- 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.
- All saw cutting work shall be considered incidental to the various contract items.

HIGHWAY LIGHTING NOTES:

- Contractor shall notify and coordinate work with Construction and Maintenance Services, Department of Transportation, State of Hawaii 72 hours in advance of commencing installation of highway light system. (phone no. 831-6712)
- For typical construction details not shown on plans, refer to applicable Standard Details of Construction and Maintenance Services, Department of Transportation, State of Hawaii.
- Highway light standard concrete foundation see sheet E-25.
- Contractor shall maintain one set of approved plans at all times in job site office during construction work.
- Final acceptance inspection will be undertaken only after all work has been completed and the "as built" tracings have been submitted to the Construction and Maintenance Services, Department of Transportation, State of Hawaii.
- Contractor shall be measure ground resistance at each light standard in the presence of engineer. Record same and submit to Construction and Maintenance Services, Department of Transportation, State of Hawaii, prior to acceptance.

NOTES FOR CONSTRUCTION:

- Construction and restoration of all existing highway facilities within state right-of-way shall be done in accordance with all applicable sections of the current 2005 "Hawaii Standard Specifications for Road and Bridge Construction," and the "Specification for Installation of Miscellaneous Improvements Within State Highways," of the State Highways Division.
- All lanes shall be opened to traffic during morning peak hours from 5:00 am to 8:30 am and the afternoon peak hours from 3:00 pm to 6:00 pm, and during non-working hours except as specified in specifications section 645-traffic control.
- The contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites On or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices for Streets and Highways, Part IV - Traffic Control for Highway Construction and Maintenance Operations". If lane closures are required into the construction, a traffic control plan shall be incorporated into the construction plans and must be approved by the Division prior to the issuance of the permit.
- No material and/or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations designated in writing and approved by the District Engineer.
- Compaction tests shall be taken in accordance with the specifications for installation of miscellaneous improvements within State Highways and as directed by the State's Highway District Engineer.
- Longitudinal drainage along the highway shall be maintained.
- Pavement striping where required shall be done by contractor.
- All regulatory, guide and construction signs and barricades shall be of high intensity reflective sheeting.
- The contractor shall sawcut the pavement prior to commencing trench or roadway excavation work.
- The contractor shall place a "Notice to Motorists" announcement in the major daily newspapers for at least three consecutive days, one week prior to start of construction. The notice shall be prepared in accordance with State DOT Highways Division standards and submitted to the Construction and Maintenance Branch for approval at least four (4) weeks before publishing in the newspaper. The notice shall include but shall not be limited to the following information:
 - Date on which the closure will start.
 - The number of days of the closure.
 - The hours and days of work.
 - A diagram of the affected roadway.
- Where pedestrian walkways exist, they shall be maintained in passable condition for other facilities for pedestrians shall be provided. Passage between walkways at intersections shall likewise be provided.
- The contractor shall reference to the satisfaction of the District Engineer, all existing traffic signs, post and pavement markings prior to the commencement of construction. The contractor shall replace or repair all traffic signs, posts, and pavement markings disturbed by his activities, unless directed otherwise by the District Engineer or his representative.
- The contractor shall exercise care when excavating in existing utility area. Damages to the existing facilities shall be immediately reported to the respective utility companies, city or state agency. The repair work shall be done at the contractor expense.
- The use of steel plates over open trenches shall not be allowed except for temporary use to reroute traffic during the construction.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL CONSTRUCTION NOTES

*Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M*

Scale: Not to Scale Date: Aug. 2010