

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(9)	1995	3	29

GENERAL NOTES

- The scope of work for this project consists of widening Kaumualii Highway; and realignment of Halewili Road and Olu Pua Gardens Road. Work consists of, but is not limited to clearing and grubbing; roadway excavation and embankment; constructing roadway pavement and drainage systems; hydromulch seeding; and installing geotextile signs and pavement markings.
- All azimuths are referred to "POHAKEA"  $\triangle$
- 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.
- 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; and Section 645 - Traffic Control.
- 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.
- The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. V and will not be paid for separately.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
- Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
- Dressing of shoulder, sidewalk and bus turnout 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.

- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
- Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- The contractor shall provide for access to and from all existing side streets at all times.
- All saw cutting work shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.
- The contractor shall be responsible for cleaning and removal of all silt and debris generated by the excavation work and deposited and accumulated within downstream waterways. The contractor agrees to reimburse the State for costs incurred in the performance of the above work if required for public health and safety or made necessary by non-performance by the contractor.
- The contractor shall, at his expense, keep the project and surrounding area from dust nuisance. The State shall require supplementary measures as necessary.
- All existing utilities, whether or not shown on plans, shall be protected at all times during construction and any damage to them shall be repaired and paid for by the contractor, unless otherwise noted.
- Backfill data for Duct Sections:  
Type "A" - Beach sand, earth, or earth & gravel; if earth & gravel used, maximum rock size shall be 1" and mixture shall contain not more than 50% by volume of rock particles.  
  
Type "B" - Same as "A" except that if earth & gravel used, the mixture shall pass a 1/2" mesh screen, and contain not more than 20% by volume of rock particles.  
  
\*\* If the normal material in the bottom of the trench is not type "B", an additional 3" shall be excavated and type "B" backfill shall be provided.
- Contractor shall phase his work such that access to Olo Pua Gardens is open to vehicular traffic at all times. The Contractor shall provide the necessary detours around his work site in order to accomodate traffic to/from Olo Pua Gardens. Minimum detour road shall be 18' wide and shall consist of a minimum of 6" of compacted aggregate base course. Payment for the temporary detour work shall not be paid for separately but shall be considered incidental to the various contract items. Contractor shall not stockpile materials and/or equipment on the North side of Kaumualii Highway, between Sta. 31+00 and Sta. 34+00, at any time.

- A layer of geotextile used as a permeable separator and conforming to Subsection 716.02 of the Special provisions shall be placed between the aggregate base course and aggregate subbase course. This work shall be considered incidental to various contract items.
- Contractor shall be liable for any stoppage of drainage flow during removal and construction operation.

LEGEND

- °pp Existing Power Pole
- °tp Existing Telephone Pole
- TMH Adjusted Tele. MH Frame/Cover
- TMH New Telephone Manhole
- tv— Existing TV Cable
- w-12— Existing 12" Water Line
- °av Existing Water Air Valve
- AV Adjusted Water Air Valve
- AV New Water Air Valve
- °wv Existing Water Valve Box
- WV Adjusted Water Valve Box
- °wv Existing Water Meter
- °WV Adjsuted Water Meter
- °WV New Water Meter
- °mon. Existing Monument
- °MON. New Monument
- d-18--- Existing 18" Drain Line
- 18" RCP New 18 " RCP Drain Line
- °admh Existing Storm Drain Manhole
- SDMH Adjusted Storm Drain MH Frame/Cover
- SDMH New Storm Drain Manhole
- gdi Existing Grated Drop Inlet
- ⊥ Existing Traffic Sign
- Existing Highway Lighting Standard

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY Gary Monticciolo	12-2-95
DESIGNED BY A. Markawa		
CHECKED BY GK		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAUMUALII HIGHWAY  
IMPROVEMENTS AT HALEWILI ROAD  
Fed. Aid Proj. No. STP-050-1(9)

Date: Feb., 1995

SHEET No. 1 OF 1 SHEETS