

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	311A-02-93	1993	3	12

GENERAL NOTES


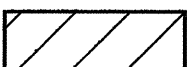
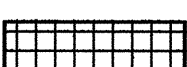



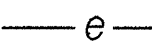
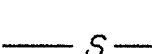










- The project begins on Puunene Avenue at Kuihelani Highway, proceeds easterly, and ends at Mokulele Highway. This project consists of resurfacing; constructing paved shoulders, concrete curbs and sidewalks; replacing existing signs and markers; and installing guardrails and pavement markings.
- The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety; Section 645 - Traffic Control and Subsection 104.04 - Maintenance of Traffic.
- 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 the 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 State 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. IV and will not be paid for separately.
- All holes, depressions, wheel ruts and leveling areas shall be filled and compacted with Asphalt Concrete Pavement, Mix No. IV leveling course prior to placing of resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
- 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. Limits of resurfacing and/or improvements at driveways, side streets and other approaches shall be at the right of way line as directed by the Engineer.
- Dressing of shoulder and, sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- The contractor shall provide for access to and from all existing sideroads and driveways at all times.

- 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.
- 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.
- Contractor shall provide for access to and from all existing driveways and streets at all times.
- All saw cutting work shall be considered incidental to Roadway Excavation.
- Replacement of signs includes removal of existing signs and posts, stockpiling and delivery to Kahului Baseyard, and installation of new signs with posts, unless otherwise specified.
- The exact limits of areas to be reconstructed shall be determined in the field by the Engineer. The depth of excavation for reconstruction shall be as shown on the plans or as directed by the Engineer. The excavated areas shall be reconstructed with asphalt concrete base course prior to resurfacing.
- The Contractor shall construct tapers at sideroads and driveways up to the highway right-of-way unless otherwise directed by the Engineer. Payment for this work shall be made under Item No. 401.0400, Asphalt Concrete Pavement, Mix No. IV.
- The shoulder shall be constructed as shown on the plans. Excavation for shoulder shall be paid for under Roadway Excavation. The excavated shoulder shall be backfilled with asphalt concrete base course prior to paving. Payment for removal of header stones and delivery to Kahului Baseyard, saw cutting and tack coat shall be considered incidental to various contract items.
- All construction signs shall be left in place until all construction items have been completed. The Contractor shall obtain prior approval from the Engineer to remove construction signs.
- The Contractor shall construct shoulder only one side at a time.
- The Contractor shall not leave more than a 1 1/2" drop-off at the edge of pavement at the end of each work day without approval from the Engineer.

GENERAL NOTES FOR NIGHT WORK

- Cones used on Puunene Avenue shall be 28 inches in height and shall be predominantly orange in color. They shall be kept clean and bright for maximum target value. For nighttime use they shall be reflectorized or equipped with lighting devices for maximum visibility. Reflectorized material shall have a smooth, sealed outer surface that will display the same approximate color day and night.
- Reflectorization of tubular markers shall be a minimum of two, three-inch-wide white bands placed a maximum of two inches from the top with a maximum of six inches between the bands. Retroreflection of cones shall be provided by a minimum six-inch-wide white band placed a minimum of three inches but no more than four inches from the top. When the 28-inch or larger size cones are used, the standard six-inch band shall be supplemented with an additional four-inch white band spaced a minimum of two inches below the six-inch band.

LEGEND

-  Reconstruction Areas
-  Leveling Areas
-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Joint Pole
-  Existing Power Pole
-  Existing Electrical Line
-  Existing Sewer Line
-  Existing Water Line
-  Existing Signal Corps Line
-  Existing Water Valve
-  Existing Water Valve to be Adjusted
-  Existing Fire Hydrant
-  Existing Sewer Manhole
-  Existing Drain Manhole
-  Existing Drain Manhole to be Adjusted
-  Existing Water Air Valve
-  Existing Catch Basin

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

PUUNENE AVENUE IMPROVEMENTS
Kuihelani Highway to Mokulele Highway
PROJECT NO. 311A-02-93
Date: March, 1993

SHEET No. 1 OF 1 SHEETS