

GENERAL NOTES

1. The scope of work for this project consists of resurfacing; reconstructing weakened pavement areas; cold planing; adjusting and installing centerline and reference survey monuments; widening the roadway to accommodate a left turn lane; removing and installing guardrails and end treatments; removing and installing pavement markings, reflector markers, and traffic signs; improving drainage systems; relocating and reconstructing existing drainage structures; constructing a new sidewalk and ramps; and dressing of shoulders.
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 30 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; and 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. 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.
6. 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.
7. All lanes shall be open to traffic during peak morning hours from 6:30 a.m. to 8:30 a.m., during afternoon peak hours from 3:30 p.m. to 6:00 p.m. and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the hours specified above shall result in assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes 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.

10. 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. IV.
11. 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.
12. Trimming and 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. Suitable material shall include materials from roadway excavation, including topsoil, and if necessary, additional materials from borrow outside the limits of the State right-of way. Asphalt concrete removed from cold planing, reconstruction and excavation shall not be used for dressing of shoulder, sidewalk, or bus turnout. This work shall be considered incidental to the various contract items.
13. 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 the various contract items.
14. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
15. The contractor shall provide for access to and from all existing sidewalks, and ADA access routes, side streets and driveways at all times. This work shall be considered incidental to the various contract items.
16. All saw cutting work shall be considered incidental to Item No. 651.0100 - Excavation for Reconstruction of Weakened Pavement Areas.
17. Install new Type II Object Marker on all utility poles and trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Refer to Standard Plan TE-17.
18. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade. This work shall be considered incidental to the various contract items.
19. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.

20. No section where guardrails have been removed shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing and maintaining physical barriers shall be considered incidental to the various contract items. See Plan Sheet Nos. 30 - 32 for details.
21. All new guardrails shall be single with strong posts unless noted otherwise.
22. Removal and disposal of Terminal End, Type BCT including removal of the cable assembly and concrete anchor block (1 CY), shall be considered incidental to items under Section 606.
23. Removal and disposal of Terminal End, Type C or Type F including disconnection of the guardrail from the anchor block, shall be considered incidental to Item No. 606.7100 TERMINAL SECTION, MODIFIED TYPE "A-I" FLARE. Note: The existing anchor block and grouted rubble paving shall remain in place.
24. Removal and disposal of guardrails and steel posts, shall be considered incidental to items under Section 606.
25. The Contractor shall secure the services of a Hawaii licensed surveyor to establish control points at the beginning and end of the project points of intersection, intermediate points at intervals of 100 linear feet and all construction stakeouts required to complete the job. In addition, the Contractor's surveyor shall furnish bench marks and stake out monuments, property lines and right-of-way lines. Payment for surveyor's services shall be considered incidental to Item No. 613.0110 Centerline and Reference Survey Monument. Note: All centerline and reference survey monuments shall be installed 15 feet offset from the roadway baseline, as shown on the plans.
26. Materials excavated due to the construction of the widened roadway shall be subject to the conditions described in Sect. 203-Excavation and Embankment.
27. The Contractor shall remove and dispose of debris and silt from existing culverts, including aprons and outlets, where new drainage structures are to be constructed. This work shall be considered incidental to items under Section 604.
28. Removal and resetting of existing guardrail at Sta. 3+10 to Sta. 4+60, Lt. to accommodate the new curb and gutter shall be considered incidental to the items under Section 606.
29. Guardrail posts shall not be installed at the inverts of gutters or swales.
30. Removal of the existing Quadguard at Kapaa Stream Bridge and its delivery to the Department of Transportation, Kapaa Baseyard shall be considered incidental to items under Section 606.
31. All work specified in the contract but not listed in the proposal shall be considered incidental to other contract items and shall not be paid for separately.

- Widened Pavement Areas
- Reconstruction Areas
- Cold Planing Areas
- Resurfacing Limits
- Existing Telephone Line
- New Telephone Line
- Existing Telephone Pole
- Existing Telephone Manhole
- Adjusted Tele. MH Frame/Cover
- New Telephone Manhole
- Existing Signal Corps Line
- New Signal Corps Line
- Existing TV Cable
- New TV Cable
- Existing 12" Water Line
- New 12" Water Line
- Existing Water Manhole
- Adjusted Water MH Frame/Cover
- New Water Manhole
- Existing Water Air Valve
- Adjusted Water Air Valve
- New Water Air Valve
- Existing Water Valve Box
- Adjusted Water Valve Box
- New Water Valve Box
- Existing Water Meter
- Adjusted Water Meter
- New Water Meter
- Existing Fire Hydrant
- New Fire Hydrant
- Existing Single Metal Guardrail
- New Single Metal Guardrail

- Existing Electrical Line
- New Electrical Line
- Existing Joint Pole
- Existing Power Pole
- Existing Electric Manhole
- Adjusted Elec. MH Frame/Cover
- New Electric Manhole
- Existing Sewer Line
- New 12" Sewer Line
- Existing Sewer Manhole
- Adjusted Sewer MH Frame/Cover
- New Sewer Manhole
- Existing 6" Gas Line
- New 6" Gas Line
- Existing Gas Valve Box
- Adjusted Gas Valve Box
- New Gas Valve Box
- Existing Gas Manhole
- Adjusted Gas MH Frame/Cover
- New Gas Manhole
- Existing Monument
- Adjusted Monument
- New Monument
- Existing 24" Drain Line
- New 24 " RCP Drain Line
- Existing Storm Drain Manhole
- Adjusted Storm Drain MH Frame/Cover
- New Storm Drain Manhole
- Existing Grated Drop Inlet
- Existing Catch Basin
- Existing Traffic Sign
- Existing Highway Lighting Standard

32. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-of-Way Branch at telephone no. 692-7332.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

KUHIO HIGHWAY RESURFACING

Vicinity of Kealia

Project No. 56B-01-01M

Date: May, 2003

SHEET No. 1 OF 1 SHEETS

DATE: 5/1/03

ORIGINAL PLAN

NOTED WORK

DESIGNED BY: J. J. J.

CHECKED BY: J. J. J.