

GENERAL NOTES:

1. The scope of work for this project includes pavement reconstruction and overlay; roadway embankment restoration using shotcrete, grouted rubble pavement, and boulders; filling of scour hole; removal of existing CRM headwalls and GRP aprons; installation of new waterline and removal of existing asbestos cement waterline; construction of new inlet and outlet structures and aprons; constructing stream revetment; placing dumped riprap; installing guardrail, pavement markings, traffic signs; and providing traffic control.
2. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.04 - Maintenance of Traffic; Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility for Utility Property and Services; and Section 645 - Traffic Control.
3. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic.
4. 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.
5. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.
6. Existing drainage system shall be kept 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.
7. Existing concrete structures, such as manholes, culverts, channels, etc., which are designated to be removed or are in conflict with proposed construction shall be removed to a depth of not less than 3 feet below finish grade in roadway and not less than 1.5 feet below finish grade in other areas.
8. Existing pavement within 6 inches of the finish grade in areas to be grassed shall be removed. All other existing pavement which will not be overlaid with new A.C. pavement shall be rooted, plowed, pulverized, or scarified to a minimum depth of 6 inches.
9. Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
10. All regraded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 618 - Grassed Surfaces. Contractor shall restore to its original condition at no cost to the State.
11. All saw cutting work will not be measured or paid for separately, but shall be incidental to the various contract items.

12. When excavating in close proximity to walls, fences, and other improvements, the Contractor shall protect, support, secure, and take all precautions to prevent damaging these facilities and improvements.
13. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
14. Steel plates for covering trenches shall have a skid resistant surface
15. Smooth riding connections shall be constructed at all limits of construction according to the Contract. This work will not be measured or paid for separately, but shall be considered incidental to the various contract items.
16. No material or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations designated in writing and approved by the Engineer.
17. Contractor shall dispose or deliver any removed material at no cost to the State.
18. Tack Coat shall be incidental to the various Asphalt Concrete Pavement items.
19. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
20. After the project is completed, the Contractor shall restore grades and groundcover within the project limits to a condition equal or better than existing condition prior to construction.
21. All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State.
22. All construction work shall be within 200' upstream and downstream of the existing inlet and outlet structures. Violation of this distance may result in permit issues. The Contractor shall be responsible for all costs and delays incurred regarding violation of these distances.
23. The Contractor shall remove all debris within the DOT R/W between Baseline Station 23+00 to 30+00. Payment will be included under Section 201 - Clearing and Grubbing and considered included in the contract price of the various contract items.

24. The Contractor shall remove all debris within the construction parcel. Payment will be included under Section 201 - Clearing and Grubbing and considered included in the contract price of the various contract items.
25. No construction vehicles shall work in or cross the stream. Exceptions will be allowed for constructing the Inlet Structure, Outlet Structure, GRP at Inlet Structure, and Riprap Revetments. The Contractor shall submit to the Engineer his construction method prior to working in the stream.
26. Construction staging area will be within the construction parcel limit.

ABBREVIATIONS:

AC, ac	Asphalt Concrete
℔	Baseline
Clr.	Clear
Conc.	Concrete
d, D	Drain Pipe
es	Existing Edge of Shoulder
ep	Existing Edge of Travel Way
EB	Eastbound
ES	Edge of Shoulder
EP	Edge of Travel Way
GCB	Glassphalt Concrete Base
Lt.	Left of ℔
M.L.	Matchline
NTS	Not to Scale
o.c.	On Center
R	Radius
R/W	Right-of-Way
Rt.	Right of ℔
STA	Station along ℔
w	Water

PUBLIC HEALTH, SAFETY,
AND CONVENIENCE:

1. The Contractor shall observe and comply with all federal, state and local laws required for the protection of public health and safety and environmental quality.
2. The Contractor at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the Air Pollution Standards and Regulations of the State Department of Health. The City may require supplementary measures as necessary.
3. 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, convenience, and safety of the public.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES, LEGEND,
AND ABBREVIATIONS

Kuhio Highway Emergency Repairs
Vicinity of MP 21.7 (Wailapa Stream)
FEDERAL AID PROJECT NO. ER-14(1)
Scale: NTSDate: April 2006