

GENERAL NOTES

- ORIGINAL PLAN  
NOTE BOOK  
No. 001

SURVEY PLOTTED BY  
DATE  
JAN 01  
DESIGNED BY  
JAN 01  
CHECKED BY  
JAN 01
- The scope of work for this project includes removing existing asphalt concrete pavement; asphalt concrete pavement reconstruction; constructing a replacement concrete bridge, abutments, and approach slabs; stabilizing stream banks with CRM wall, G.R.P. and riprap; installing new guardrails; removing and installing pavement markings and traffic signs; and demolition of asphalt concrete bypass road.
  - The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.21 – Contractor's Responsibility For Utility Property And Services; Subsection 108.03 – re: Incentive Provision; Subsection 108.08 – Liquidation Damages; and Section 645 –Traffic Control.
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  - The Contractor shall survey and stake out the State Highway right-of-way and all improvements associated with the project.
  - The Detour Road shall be open to traffic except at the times specified in Section 104 of the Special Provisions. Failure of the Contractor to open the Detour Road to traffic during the times specified shall result in assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.
  - The Contractor shall be responsible for the maintenance of the Detour Road during the length of the contract, including, but not limited to, any damage caused by excessive rains. The Engineer shall determine when repairs are required.
  - 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 stream shall be a minimum of 80' wide 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.
  - The Contractor is advised that the following HDOT, Highways Division construction projects within the project area may be started while this project is in progress:

1) Mamalahoa Highway, Ford Crossing at M.P. 49.11;

2) Mamalahoa Highway, Kaalaala Stream Bridge Replacement;

3) Mamalahoa Highway, Paauau Stream Bridge Replacement and Intersection Improvements at Kamani Street, and Rehabilitation of Various Bridges.
  - The Contractor shall be required to attend weekly meetings with the State and other Contractors to discuss construction coordination issues. All costs associated with the coordination meetings shall be considered incidental to the various contract items.

- The Contractor is advised that in addition to other contractors working in the same areas, various utility companies or their contractors may be performing work within the project area. The Contractor shall coordinate with all the utility companies. All costs associated with this coordination shall be considered incidental to the various contract items.
- The Contractor at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health.
- The Contractor shall be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, and to the satisfaction of the Engineer.
- Removal and disposal of any debris shall be considered incidental to their respective bid items. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items and will not be paid for separately. The disposal site shall be approved by the Engineer.
- 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.
- No work or equipment shall be located or take place within 10' of any HELCO overhead wires. No excavation shall take place within 5' of any HELCO utility pole. Any excavation near a utility pole shall require the approval of the Engineer and HELCO.
- The Contractor will immediately report damages discovered or caused by his work to the Engineer and Utility Companies.
- Prior to pavement 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.
- All holes, depressions and wheel ruts shall be filled and compacted with asphalt concrete prior to resurfacing. This work shall be considered incidental to various contract items and will not be paid for separately.
- Smooth riding connections shall be constructed at all limits of surfacing.

- All saw cutting work shall be considered incidental to the various contract items.
- Trimming and dressing of shoulder 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 materials shall include materials from roadway excavation, including topsoil, and if necessary, additional materials from borrow outside the limits of the right of way. This work shall be considered incidental to various contract items.
- Excluding bridge, pavement, G.R.P., riprap, walls and stream channel, all surfaces within the project area shall be hydromulched.
- Earth swales shall be graded to drain. This work shall be considered incidental to the various contract items.
- Adjustments of manhole valve box, street monument, frames and covers, etc., shall not be measured for payment but shall be considered incidental to various items of work in the proposal.
- After completion of paving, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the paved area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.
- Demolition of the Detour Road will occur as follows:

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B. Using a hoe ram, the pavement will be broken into particles as large as practical for loading into a truck.

C. The hoe ram will demolish embankment slopes armored with Class D concrete. The particles will be as large as practical to avoid creating excess dust.

D. A backhoe will load the embankment rock onto a truck.

E. Rock lodged in crevices (probably 10% – 20% of the embankment material) will be removed manually.

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- The square () on these plans, Federal Aid Project No. ER-12(1)R, designates additional or updated plan sheet information from Federal Aid Project No. ER-12(1).

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(1)R	2001	3	77

LEGEND

- New Concrete Approach Slab
- A.C. Pavement Reconstruction Areas
- Existing Concrete
- ⌋

Existing Traffic Sign
- ⌋

New Traffic Sign
- opp

Existing Power Pole
- 16" D

Existing Culvert
- New Metal Guardrail
- Proposed Riprap
- Proposed G.R.P.
- Proposed CRM Wall

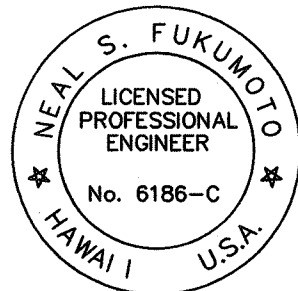
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Notes 3, 27A and 27F removed.  
Note 28 added.

DATE	DESCRIPTION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES & LEGEND	
MAMALAHOA HIGHWAY EMERGENCY REPLACEMENT OF KEAIWA STREAM BRIDGE Federal Aid Project No. ER-12(1)R	
Date: January 2001	
SHEET No. 1 OF 1 SHEETS	

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This work was prepared by me  
or under my supervision.  
*Wesley R. Segawa*  
Wesley R. Segawa & Associates, Inc.