

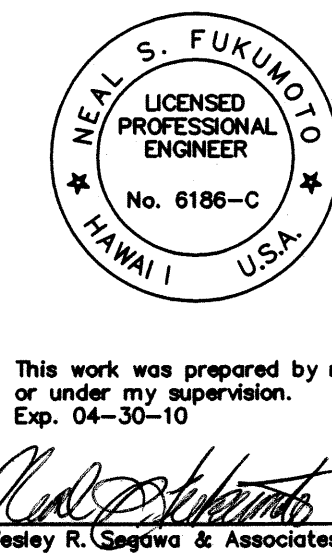
GENERAL NOTES:

1. The project includes removing existing asphalt pavement; reconstructing asphalt concrete pavement; performing historic documentation of the existing bridge; demolishing the existing concrete bridge and constructing a replacement concrete bridge, abutments, wing walls, retaining walls, end posts, approach slabs and invert slab; stabilizing stream banks with G.R.P. and riprap; installing new guardrails and bike railings; installing a new waterline; and removing and installing pavement markings and markers.
2. 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.
3. 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.
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. 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.
6. The Contractor shall provide for free and safe vehicular access to and from all existing driveways at all times.
7. All saw cutting work shall be considered incidental to the various contract items.
8. The location of overhead and underground facilities shown on the plans are from existing records with varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.
9. The Contractor shall exercise extreme caution when the excavation and construction crosses or is in close proximity of underground telephone and signal cable facilities and shall maintain adequate clearance for his equipment while working close to and/or under overhead facilities. Any damages to the existing underground facilities shall be repaired and paid for by the Contractor.
10. For field location of Verizon Facilities, contact Verizon Outside Plant Engineering Section, a minimum of 72 hours in advance, prior to start of excavation.
11. When trench excavation is adjacent to existing structures or facilities, the Contractor is responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it safe and secure from possible slides, cave-ins, and settlement, and facilities with beams, struts, or underpinning to fully protect it from damage. This work shall be considered incidental to various contract items.

12. The Contractor shall survey and stake out the State Highway right-of-way and install all appurtenances associated with the project within the State right-of-way or construction parcels as shown in the plans.
13. 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 is to coordinate all work with other contractors in the area and to coordinate the design. In case of any conflict among contractors regarding access or work schedules, the Engineer will make the final determination of priorities.
14. The term "Engineer for the Utility Companies" shall also mean his delegated Representative and/or the Utilities' Inspectors of Record.
15. When excavating near utility poles, the Contractor shall protect, support, secure and take all other precautions to prevent damage to or leaning of these poles. The Contractor is responsible for all costs associated to repair and/or straighten pole.
16. 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.
17. 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.
18. 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.
19. All holes, depressions and wheel ruts shall be filled and compacted with HMA, Mix V, prior to resurfacing. This work shall be considered incidental to various contract items and will not be paid for separately.
20. Smooth riding connections shall be constructed at all limits of surfacing.
21. 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.
22. 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.
23. 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.

24. Construction and restoration of all existing highway facilities within State right-of-way shall be done in accordance with all applicable section of the 2005 Standard Specifications for Road and Bridge Construction, and the Specifications for Installation of Miscellaneous Improvements within State Highways of the State Highway Division.
25. One lane must be open to traffic at all times. Lane closures will be permitted only from 8:30 a.m. to 3:30 p.m. Deviations from the indicated closure hours are subject to D.O.T. approval.
26. The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities, and shall take necessary precautions for the protection, convenience, and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways", adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI - Standards and Guides for Traffic Controls for Street and Highway Construction, Maintenance, Utility and Incident Management Operations" and NCHRP 350.
27. The Contractor shall be required to provide adequate, safe, non-skid bridging material over any trench, including shoring, when trenching in pavement areas to handle all types of vehicular traffic. The use of steel plates shall not be used in the highway travelway.
28. All regulatory, guide and construction signs and barricades shall be high intensity selective sheeting.
29. Stop work and contact the State Historic Site Office, at 933-0482 immediately should any unidentified archaeological site or remains (such as artifacts, shells, bones, charcoal deposits, road or coral alignments, pavings or walls) be encountered during construction.
30. All signs, pavement markings, striping, etc. removed or damaged by the Contractor shall be replaced by the Contractor at no additional cost to the State.
31. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
32. Public notice is required for lane closures. The Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with dates left blank, is permissible.
33. Removal of existing detour road will be done by another contractor.
34. Coordination will be necessary with the detour road contractor.
35. Detour road construction signs to be removed at close of job.

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



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>GENERAL NOTES</u>	
<u>HAWAII BELT ROAD</u>	
<u>KAWAILII STREAM BRIDGE REPLACEMENT</u>	
<u>Federal Aid Project No. ER-15(3)</u>	
Scale: NTS	Date: October 2009
SHEET No. 1 OF 2 SHEETS	