




















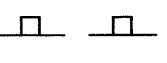
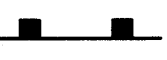
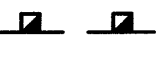
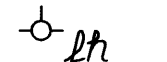
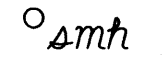





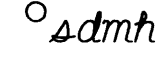






GENERAL NOTES

1. The scope of work for this project includes roadway excavation, structure excavation and structure backfill; placing reinforcing steel; constructing new concrete bridge slab; paving with HMA pavement; and removing and installing pavement markings and reflector markers.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone 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 excavated and reconstructed shall be determined in the field by the Engineer.
7. The Contractor shall coordinate its work schedule with Project No. 5600-02-10M, Temporary Kapaa Bypass Road Resurfacing. Provide record of meetings, and/or phone logs to the Engineer for development of the optimal work schedule, and to minimize the amount of road closure hours.
8. Detour plan and implementation schedule shall be in accordance with Subsection 645.03(F) - Lane Closures. Full closure of Temporary Kapaa Bypass Road shall be limited to one period not exceeding 1 week in duration.
9. During installation of new pavement markings and incidental works, all lanes shall be open to traffic during the hours from 6:30 A.M. to 8:00 P.M. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of rental fees as specified in Section 108.09 of the Special Provisions.
10. Smooth riding connections shall be constructed at both ends of new concrete bridge slab and at interfaces of new and/or existing asphalt concrete pavement.
11. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
12. The Contractor shall provide for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items, and will not be paid for separately.
13. All saw cutting work shall be considered incidental to Item 401.0400 - Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for separately.
14. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.

15. Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
16. All new reference survey monuments shall be set under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and values of the new survey monuments shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
17. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
18. 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 Highways Division at telephone no. 241-3000.
19. Contractor shall utilize a physical barrier system to prevent all debris from repair work from entering Kainahola Stream, stream banks and waters of the U.S. Details for debris barrier system and BMP's shall be submitted to the Engineer for review and acceptance 4 weeks prior to starting work.
20. Removal and disposal of all debris, waste materials, and markers with posts to be removed during construction activities shall be considered incidental to their respective bid items.
21. Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the contractor shall immediately suspend work and notify the State Department of Land and Natural Resources - Historic Preservation Division (ph. 652-1510 or 808-692-8015), and Kauai Police Department (ph. 241-1711).
22. The project site is traversed by one endangered endemic bird, the Hawaiian Petrel, and one threatened endemic bird, the Newell's Shearwater. To reduce the possibility that these nocturnal flying birds may become disoriented and downed by construction lighting, nighttime construction will be allowed between January through August only, and not allowed between September through December.
23. Prior to approval of nighttime construction work, the Contractor shall submit for the Engineer's acceptance a Seabird Response Plan, which includes:
- a) Response plan for circling/downed birds when lights may be turned off temporarily if it is safe for workers and if birds are circling lights.
- b) Seabird awareness training for staff (this should be verified on their personnel file).
- c) A list of qualified bird rescue contact(s) such as the Save Our Shearwaters program (SOS), a local vet or rehabilitation center, or Hawaii Division of Forestry and Wildlife (DOFAW) representative.
- d) Maintaining a pet carrier on site at all times with instruction on how and where to keep recovered birds.
- e. Logging seabird incidences that are submitted to the U.S. Fish and Wildlife Service and DOFAW within 48 hours of discovery.
24. All workers within the State right-of-way who are exposed to either vehicles using the roadway or to construction equipment shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of ANSI/ISEA 107-2004. "Workers" is defined as people on foot whose duties place them with the State right-of-way, such as, but not limited to construction and maintenance forces, equipment operators, survey crews, utility crews, responders to incidents (e.g., EMT and firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.

LEGEND

- Milled Rumble Strips
-  Cold Planing Areas
-  Reconstruction Areas
-  Resurfacing Limits
-  Existing Power Pole
-  Existing Electric Manhole
-  Adjusted Elec. MH Frame/Cover
-  Existing Electric Pullbox
-  Existing Telephone Manhole
-  Adjusted Tel. MH Frame/Cover
-  Existing Telephone Pullbox
- w—12— Existing 12" Water Line
-  Existing Water Manhole
-  Adjusted Water MH Frame/Cover
-  Existing Water Air Valve
-  Adjusted Water Air Valve
-  Existing Water Valve Box
-  Adjusted Water Valve Box
-  Existing Water Meter Box
-  Adjusted Water Meter Box
-  New Type "X" Water Meter Box
-  Existing Traffic Sign
-  New Traffic Sign
-  Existing Metal Guardrail
-  New Metal Guardrail
-  Adjusted and/or Relocated Metal Guardrail
-  Existing Fire Hydrant
- s—12— Existing Sewer Line
- s—12— New 12" Sewer Line
-  Existing Sewer Manhole
-  Adjusted Sewer Manhole
-  New Sewer Manhole
-  Existing Monument
-  Adjusted Monument
-  New Monument
- d--24--- Existing 24" Drain Line
-  Existing Storm Drain Manhole
-  Adjusted Storm Drain Manhole
-  Existing Grated Drop Inlet
-  New Grated Drop Inlet
-  Adjusted/Reconstructed Drain Inlet or Replaced Steel Grate

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES AND LEGEND**

**TEMPORARY KAPAA BYPASS ROAD**  
**Repairs at Kainahola Stream Bridge**  
**Project No. 5600-01-10M**

Date: May 2010

SHEET No. 1 OF 1 SHEETS