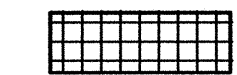



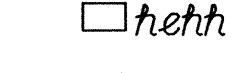
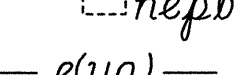
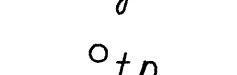
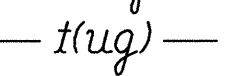
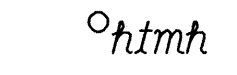
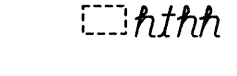
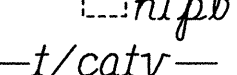
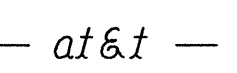
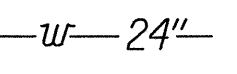
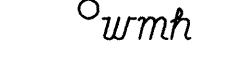
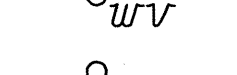
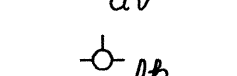
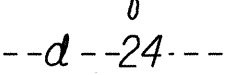
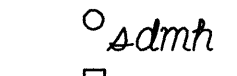
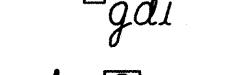
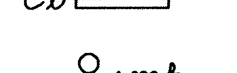
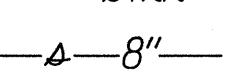
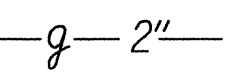

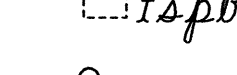
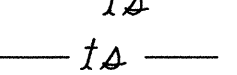
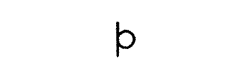
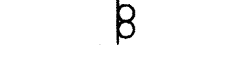
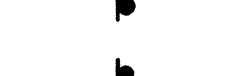








GENERAL NOTES

1. The scope of work for this project consists of improving the traffic signal system; highway lighting; cold planing road surfaces, resurfacing of existing pavement and adjusting manholes and survey monuments; pavement marking; striping and signing; and resetting existing guardrail posts where necessary.
2. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.02 - Permits and Licenses; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone Traffic Control.
3. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, 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.
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. Contractor shall provide for access to and from all existing side streets and driveways at all times.
7. Maintenance of traffic through the construction area shall be in accordance with Part VI, "Standards and Guidelines for Traffic Controls for Street and Highway Construction, Maintenance, Utility and Incident Management Operations", of the "Manual On Uniform Traffic Control Devices For Streets And Highways", Federal Highway Administration (1988 Edition), to include all Revisions and Errata Sheets to Part VI and as specified in the special provisions. The Contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc., for the safety of the motoring public.
8. Smooth riding connections shall be constructed at all limits of construction as shown on the plans and/or as directed by the Engineer.
9. The exact limits of pavement lengthening areas shall be determined in the field by the Engineer.
10. All saw cutting work shall be considered incidental to Roadway Excavation.
11. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.
12. Earth swale shall be graded to drain. Earth swale shall not be paid for separately, but shall be considered incidental to the various contract items.
13. The Contractor shall adjust flush to finish grade all manhole, valve, pullbox, and handhole frames & covers, including those not shown on the plans, if there is a change in grade due to construction of the project. If the proposal does not show a contract item, the Engineer will consider them incidental to the various contract item.
14. All necessary permits for work within the jurisdiction of the County of Maui shall be obtained by the Contractor at his own cost.

15. 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. This work shall be considered incidental to the various contract items.
16. The exact locations and limits or areas to be cold planed shall be determined in the field by the Engineer. Cold planing to be done at side roads, begin and end project shall be paid under Item No. 415.0100 (Cold Planing).
17. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
18. 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 HMA Pavement, Mix No. IV and will not be paid for separately.
19. 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.
20. All saw cutting work shall not be paid for separately but shall be considered incidental to various contract items.
21. The lateral limit of resurfacing at guardrail locations shall be at least to the face of the rail element.
22. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond the terminal ends.
23. The endangered Hawaiian goose (*Branta sandvicensis, nene*) has been observed in the vicinity of Honoapiilani Highway, south of Olowalu. We recommend avoiding road work during the nene breeding season December through April). If work must be conducted during this season and nene are observed in the vicinity, then we recommend that a biologist familiar with the nesting behavior of nene survey the area prior to the initiation of any work. If a nest is discovered, work should cease immediately and our office should be contacted for further guidance. Furthermore, all on-site project personnel should be apprised that nene may be in the vicinity of the project. If any nene appears within 100 feet (30.5 meters) of ongoing work, all activity should be temporarily suspended until the animal leaves the area of its own accord.
24. The threatened Newell's shearwater (*Puffinus auricularies newelli*) and endangered Hawaiian petrel (*Pterodroma sandwichensis*); collectively known as seabirds, may traverse the project area when flying between the ocean and mountain nesting sites during their breeding season (March through December). Artificial lighting, such as street lights and flood lights, can adversely impact seabirds by causing disorientation that results in exhaustion or collision with objects, such as utility lines, guy-wires, and structures that extend above surrounding vegetation. Fledgling juvenile seabirds are vulnerable to the effects of artificial lighting sources. Night work is not part of this project.

LEGEND

-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Monument
-  Existing Light Pole
-  Existing Hawaiian Electric Handhole
-  Existing Hawaiian Electric Pullbox
-  Existing Electric Line (underground)
-  Existing Telephone Pole
-  Existing Telephone Line (underground)
-  Existing Telephone Manhole
-  Existing Telephone Handhole
-  Existing Telephone Pullbox
-  Existing Cable Line
-  Existing AT&T Line
-  Existing 24" Water Line
-  Existing Water Manhole
-  Existing Water Valve Box
-  Existing Water Air Valve
-  Existing Fire Hydrant
-  Existing 24" Drain Line
-  Existing Storm Drain Manhole
-  Existing Grated Drop Inlet
-  Existing Catch Basin
-  Existing Sewer Manhole
-  Existing Sewer Line
-  Existing 2" Gas Line
-  Existing Gas Manhole
-  Existing Traffic Signal Pullbox
-  Existing Traffic Signal Pole
-  Existing Traffic Signal Conduits
-  Existing Sign With 1 Post
-  Existing Sign With 2 Post
-  New Sign With 1 Post
-  New Sign With 2 Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

**HONOAPIILANI HIGHWAY, SAFETY
IMPROVEMENTS AT KAAANAPALI
PARKWAY AND HALELO STREET**

Federal Aid Project No. HSIP-030-1(42)

Date: May 2012

SHEET No. 1 OF 1 SHEETS