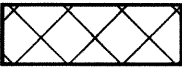
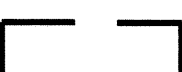
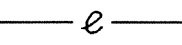
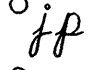
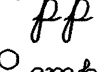
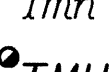

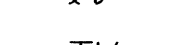
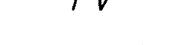




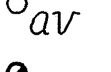

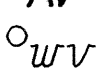

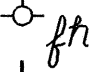



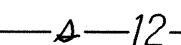

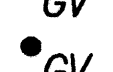

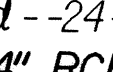

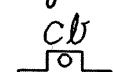




GENERAL NOTES

1. The scope of work for this project consists of Cold Planing, Paving, Reconstruction of Weakened Pavement Areas, Reconstructing Centerline and Street Survey Monuments, Installing Pavement Marking and Striping, Installing Signs.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work 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.
3. The Contractor's attention is directed to the following Sections: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; 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 tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. 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 Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
7. The Contractor shall indemnify and 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, to the satisfaction of the Engineer.
8. 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 any culvert work or the various contract items and will not be paid for separately.
9. Earth swale shall be graded to drain. This work shall be considered incidental to various contract items.
10. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to asphalt concrete and will not be paid for separately.
11. 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 bulk of work or the various contract items and will not be paid for separately.

12. All saw cutting work shall be considered incidental to Roadway Excavation or Hot Mix Asphalt Pavement or Various Contract Items or their respective bid items.
13. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
14. The top of the Plant Mix Glassphalt Concrete Base Course prior to placement of the new Hot Mix Asphalt Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16."
15. The Contractor shall provide and maintain 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 curb ramps, or sidewalk, or the various contract items and will not be paid for seperately.
16. The Contractor shall provide and maintain a temporary pedestrian-safe and easily accessible route or detour with barricades in or near the work zone. This temporary route or detour shall be paved at least an inch of Hot Mix Asphalt Pavement, Mix No. V or steel and/or wood planks and shall be American With Disabilities Act (ADA) compliant [This is only applicable if existing surface is dirt and/or if existing surface is non-ADA compliant.]. This work shall be incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for seperately.
17. The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tapes, and epoxy adhesives prior to the overlaying of Hot Mix Asphalt Pavement. This work shall be considered incidental to Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for seperately.
18. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed in writing and approved by the Engineer.
19. Cold planed material shall belong to the State. Contractor shall stockpile the material as directed by the Engineer.

LEGEND

-  Reconstruction Areas
-  Leveling Areas
-  Cold Planing Areas
-  Pavement Preventive Maintenance Limits
-  Existing Electrical Line
-  New Electrical Line
-  Existing Joint Pole
-  Existing Power Pole
-  Existing Electric Manhole
-  Adjusted Elec. MH Frame/Cover
-  New Electric Manhole
-  Existing Telephone Line
-  New Telephone Line
-  Existing Telephone Pole
-  Existing Telephone Manhole
-  Adjusted Tele. MH Frame/Cover
-  New Telephone Manhole
-  Existing Signal Corps Line
-  New Signal Corps Line
-  Existing TV Cable
-  New TV Cable
-  Existing 12" Water Line
-  New 12" Water Line
-  Existing Water Manhole
-  Adjusted Water MH Frame/Cover
-  New Water Manhole
-  Existing Water Air Valve
-  Adjusted Water Air Valve
-  New Water Air Valve
-  Existing Water Valve Box
-  Adjusted Water Valve Box
-  New Water Valve Box
-  Existing Water Meter
-  Adjusted Water Meter
-  New Water Meter
-  Existing Fire Hydrant
-  New Fire Hydrant
-  Existing Sewer Line
-  New 12" Sewer Line
-  Existing Sewer Manhole
-  Adjusted Sewer MH Frame/Cover
-  New Sewer Manhole
-  Existing 6" Gas Line
-  New 6" Gas Line
-  Existing Gas Valve Box
-  Adjusted Gas Valve Box
-  New Gas Valve Box
-  Existing Gas Manhole
-  Adjusted Gas MH Frame/Cover
-  New Gas Manhole
-  Existing Monument
-  Adjusted/Reconstructed Monument
-  New Monument
-  Existing 24" Drain Line
-  New 24 " RCP Drain Line
-  Existing Storm Drain Manhole
-  Adjusted Storm Drain MH Frame/Cover
-  New Storm Drain Manhole
-  Existing Grated Drop Inlet
-  Existing Catch Basin
-  Existing Traffic Sign
-  Existing Highway Lighting Standard
-  Existing Highway Lighting Pullbox

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

VOLCANO ROAD

Pavement Preventive Maintenance, O/B Lanes

Keaau Bypass Road to Panaewa Bridge

Project No. 11N-01-07M

Date: May, 2008

SHEET No. 1 OF 1 SHEETS