



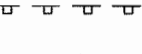
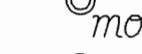


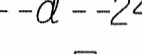
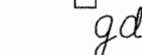
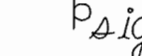
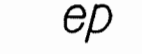
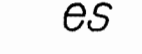
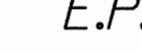
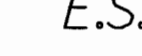
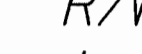
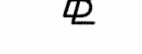
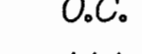
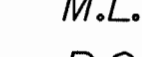
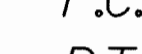
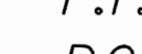
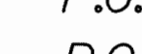
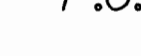



CONFIDENTIAL

1 This project consists of cold planing and resurfacing the existing 12 Unprotected shoulder pavement dropoffs greater than 3 inches 13

1. This project consists of cold planing and resurfacing the existing pavement, installing pavement striping and reflector markings, adjusting centerline monuments, furnishing equipment, tools, materials, labor and incidentals necessary to complete the work.
2. The contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, 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 107.06 - Contractor Duty Regarding Public Convenience, Subsection 407.05 - (Tack Coat) Payment, 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 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 exact locations and limits or areas to be paved and cold planed shall be determined in the field by the Engineer.
7. All lanes shall be opened to traffic during morning peak hours from 6:30 am, to 8:30 am, afternoon peak hours from 3:30 pm to 5:30 pm, off-work hours, and as directed by the Engineer. Only one lane of the highway shall be permitted to be closed during work hours.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
9. The Contractor shall remove and dispose of all existing raised pavement markers, traffic tapes, and epoxy adhesives prior to the overlaying of HMA. This work shall be considered incidental to Item No. 401.0400 - HMA Pavement, Mix No. IV.
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.
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. Unprotected shoulder pavement dropoffs greater than 2 inches shall not be allowed during non-working hours, except where approved by the Engineer in writing.
13. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.
14. All saw cutting work shall be considered incidental to Item No. 401.0400 - HMA Pavement Mix No. IV.
15. Cold planed material shall belong to the State and will be used to dress shoulder. Contractor shall stockpile excess material as directed by the Engineer.
16. 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.
17. Blue fire hydrant pavement markers are to be installed on the centerline of travelway to indicate fire hydrant location. This work is to be considered incidental to various contract items.

$\frac{1}{n} \sum_{i=1}^n x_i$

- | | |
|---|---------------------------------|
|  | Reconstruction Areas |
|  | Cold Planing Areas |
|  | Resurfacing Limits |
|  | Resurfacing Limits at Sideroads |
|  | Control Vehicular Access |
|  | Existing Guardrail |
|  | Existing Monument |
|  | Adjusted Monument |
|  | New Monument |
|  | Existing 24" Drain Line |
|  | Existing Grated Drop Inlet |
|  | Existing Traffic Sign |
|  | Existing Edge of Pavement |
|  | Existing Edge of Shoulder |
|  | New Edge of Pavement |
|  | New Edge of Shoulder |
|  | Right of Way |
|  | Baseline |
|  | On Center |
|  | Match Line |
|  | Point of Curvature |
|  | Point of Tangency |
|  | Point on Tangent |
|  | Point on Curve |

pavement markers, traffic tapes, and epoxy adhesives prior to the overlaying of HMA. This work shall be considered incidental to Item No. 401.0400 - HMA Pavement, Mix No. IV.

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.*
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.*

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

VOLCANO ROAD

Pavement Preventive Maintenance

Mountain View to Kea'au

Federal Aid Project No. STP-011-2(041)

Date: March, 2012

SHEET No. 1 OF 1 SHEETS