

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(067)	2014	3	41

GENERAL NOTES

- This project consists of cold planing, paving, adjusting existing frames and grates, removing of existing guardrails, installing of new guardrails, adjusting and reconstructing existing centerline monuments installing pavement striping and markers, replacing signs, furnishing equipment, tools, materials, labor and incidentals necessary to complete the work.
- 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.
- 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.
- The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
- 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.
- The existence and location of underground utilities, manholes, monuments and structures may be determined from previous construction plans but the accuracy is not guaranteed. The encountering of other obstacles during the course of the 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.
- The exact locations and limits of areas to be paved and cold planed shall be determined in the field by the Engineer.
- Preformed Pavement Marking Tape shall be removed prior to resurfacing. Removal shall be by scraping, grinding or other method approved by the Engineer. Payment shall be incidental to Item No. 401.0400-HMA Pavement, Mix No. IV.
- The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Item No. 401.0400 - HMA Pavement, Mix No. IV.
- Smooth riding connections shall be constructed at all limits of repair including the beginning and end of project shown on the plans and/or as directed by the Engineer.
- Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be paid for under Item No. 209.0100 Installation, Maintenance, Monitoring, and Removal of BMP.
- Contractor shall provide for access to and from existing side streets and driveways at all times.
- All saw cutting work shall be considered incidental to Item No. 401.0400 - HMA Pavement, Mix No. IV and will not be paid for separately.

- Unprotected pavement dropoffs shall not be allowed during non-working hours, except where approved by the Engineer in writing.
- Public Notice is required for lane closures. 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.
- All cold planed material shall belong to the state. The contractor shall stockpile material as directed by the engineer.
- No equipment shall be stored within the state Right-of-Way except at locations approved by the engineer.
- Contractor shall clear all debris (ie. dirt, trash, grass) from all storm inlets prior to construction and at completion of the project. This work shall be paid for under Item No. 603.1000 Clean Existing Culverts.
- Dressing of shoulder with the cold planed material shall be considered incidental to Cold Planing, Item No. 415.1000.
- All sign post shall be completely painted with yellow reflective paint. Such paint shall be considered incidental to sign items.
- Pavement edges use 6:1 for logitudinal and 48:1 for transverse tapered transitions. Limit drop off depths to maximum of 2 inches adjacent to travelway.

SPECIAL NOTES

WASTEWATER DIVISION:

- If the sewer manhole frame is sitting directly on the manhole (no bricks for adjustment), modification or reconstruction of the manhole may be required.
- Replacement of the manhole cones if required to ensure that the manhole frame is adjusted to grade will be in accordance to Standard Details for Public Works Construction, County of Hawaii, S-21, S-22, S-25, S-31 thru S-35 unless otherwise specified. In the event that use of an Eccentric Cone per Standard Detail S-22 and Type SA Frame and Cover will not accommodate adjustment of the cover to grade, a 22-inch Cone Section per Standard Detail S-21 with SB Frame and Cover or a Flat-Top Manhole with SB Frame and Cover may be utilized or if the height of the manhole is 5'-0" or less, install a Flat Top Manhole Precast Cover and a Type SB Frame and Cover. Use of the Flat-Top Manhole shall be subject to review and approval by the Wastewater Division.
- The Contractor shall fill the space below the adjusted frame with grout and coat the interior surface with a concrete waterproofing product.
- The Contractor shall perform an inspection of every manhole, to determine the extent of the work required, prior to bidding.

LEGEND

- Reconstruction Areas
- Leveling Areas
- Cold Planing Areas
- Resurfacing 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 Sign to Remain

= New Sign

- Existing State Right-Of-Way, Access Opening
- Existing Guardrail
- New Guardrail
- 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 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
- New Traffic Sign
- Existing Highway Lighting Standard
- Existing Highway Lighting Pullbox
- Edge of Pavement
- Edge of Shoulder
- Right of Way
- Baseline
- On Center
- Match Line
- Point of Curvature
- Point of Tangency
- Point on Tangent

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>GENERAL NOTES AND LEGEND</b>	
HAWAII BELT ROAD RESURFACING Pepeekeo to Hakalau Federal Aid Project No. NH-019-2(067)	
Scale: None	Date: March, 2014
SHEET No. 1 OF 1 SHEETS	