

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-M-02-16M | 2016        | 3         | 20           |

GENERAL NOTES

- The project includes cold planning existing pavement, excavation of weakened pavement, overlay of 1½" Hot Mix Asphalt Pavement, installing pavement markings and roadway signage, and applying longitudinal joint stabilizer, adjusting water valves, manholes covers, monuments, etc. and cleaning of storm drains.
- Before resurfacing, the Contractor shall remove and dispose of all existing raised pavement markers. This work shall be considered incidental to Item No. 401.0400, HMA Pavement, Mix No. IV.
- Prior to resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specifications and as amended. Payment shall be considered incidental to the various contract items.
- As shown on the plans or directed by the Engineer, a smooth riding transition shall be provided at the beginning and end of the project, at side streets, driveways, between all pavement areas used by public traffic during each construction phase, and between transition of construction phases. Payment for this work shall be made under Item No. 401.0400, HMA Pavement, Mix No. V.
- The Contractor's attention is directed to Sub-Sections 104.04, 107.13 and Section 645 of the Standard Specifications and the Special Provisions.
- Saw-cutting of existing pavement shall not be measured or paid for separately, but shall be considered incidental to cold planing.
- All lanes shall be open to traffic during the morning peak hours from 6:30 a.m. to 8:30 a.m. and during afternoon peak hours from 3:30 p.m. to 6:00 p.m. and off work hours. Only one lane of highway shall be closed at any other time.
- The existence and location of underground utilities, manholes, monuments, pullboxes, traffic signal loops and structures as shown on the plans are from the latest available data but accuracy is not guaranteed. The encountering of other obstacles during the course of the work may be possible. The Contractor shall be held liable for any damages incurred to the existing facilities as a result of his operations or shall not be disturbed during cold planing and/or pavement reconstruction. All damaged portions shall be replaced on accordance with the Standards and Specifications of the State and/or the affected utility company. Use other caution around existing traffic signal loops at signalized intersection, it damaged during construction, they shall be replaced at Contractor's expense.
- The exact limits of areas to be reconstructed shall be determined in the field by the Engineer. The depth of excavation for reconstruction shall be the reconstruction thickness minus the overlay thickness as designated on the plans. The excavated areas shall be reconstructed with Hot Mix Asphalt Base Course prior to resurfacing.
- The Contractor shall construct tapers at sideroads and driveways as shown on Sheet No. 10 unless otherwise directed by the Engineer. Payment for this work shall be made under Item No. 401.0400, HMA Pavement, Mix No. V.
- The Contractor shall notify the State, in writing, two weeks prior to starting paving operations.
- All construction signs shall be left in place until all construction items have been completed. Contractor shall obtain prior approval from the Engineer to remove construction signs.

- The Contractor shall reference all existing pavement markings prior to resurfacing. Final placement of the new pavement markings shall be as approved by the Engineer. Payment for this work shall be considered incidental to new pavement markers and striping. See Standard Detail, TE 30.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidents necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.
- The Contractor shall provide safe access to business and residential driveways and sidewalks for motorists and the public at all times during construction.
- At the end of each day's work and night's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- All manholes frames and covers affected by the resurfacing shall be adjusted to the new grades as directed by the Engineer.
- Cold planed 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. Exact locations shall be determined in the field by the Engineer. Payment for this work approaches, side streets and driveways as shown on the plans shall be considered incidental to Item No. 415.0100.
- Dressed shoulders shall consist of cleaning, grubbing, grading, reshaping and compacting the unpaved shoulders will suitable excavated materials as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- Areas containing loop detector cables shall not be cold planed. When it is necessary to cold plane with in these areas, the Contractor shall not disturb 18 inches from the lateral limits of the cables. Refer to other General Notes for more information.
- Cold planing of existing pavement fronting the curbed islands and medians shall result in positive drainage flow. Payment for this work shall be considered incidental to Item No. 415.0100.

WATER CONSTRUCTION NOTES

- Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1985, as amended, of the Hawaii Highways Division, Department of Transportation and the County of Maui, Department of Water Supply's "Water System Standard", Volume 1, dated 1985, and the "Approved Material List and Standard Details for Water System Construction", Volume 2, dated 1985 and all subsequent amendments and additions. Contractor to obtain the latest revisions from D.W.S.
- The Contractor shall notify the Dept. of Water Supply in writing one week prior to commencing work.
- Any adjustments to the existing water system required during construction to meet requirements of D.W.S. Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the D.W.S.

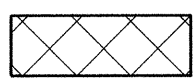
MAUI ELECTRIC CO. (MECO) LTD. NOTES

- The location of MECO's overhead and underground facilities shown on the plans are from existing records with varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.
- The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
- For verification of underground lines or for assistance in supporting and protecting these lines, the Contractor shall call MECO a minimum of 72 hours in advance.
- The Contractor shall be liable for any damages to MECO facilities and shall immediately report such damages to MECO.

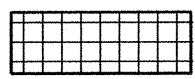
SEWER NOTES

- All construction shall be performed in accordance with the County's STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, MAY 1975 and THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, September 1984.
- The Contractor shall notify the Waste Management Division (7) seven days prior to the commencement of sewer work.
- Location of existing sewer appurtenances shown on the plans are approximate only. The exact location shall be verified in the field.
- The Contractor shall raise all manhole covers no later than (5) working days after being paved over.

LEGEND



Reconstruction Areas



Cold Planing Areas



Resurfacing Limits



Existing Guy Pole



Existing Joint Pole



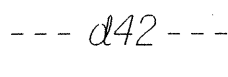
Existing Power Pole



Existing Telephone Pole



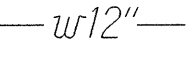
Existing Traffic Signal



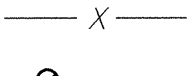
Existing Drain Line



Existing Water Meter



Existing Water Line



Existing Chain Link Fence



Adjusted Water Valve



Existing Fire Hydrant



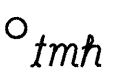
Adjusted Electric Manhole



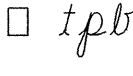
Adjusted Storm Drain Manhole



Adjusted Sewer Manhole



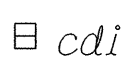
Existing Telephone Manhole



Existing Telephone Pullbox



Adjusted Traffic Signal Pullbox



Existing Concrete Drop Intake



Adjusted Monument

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**GENERAL NOTES AND LEGEND**  
DAIRY ROAD & HALEAKALA HIGHWAY  
PAVEMENT PREVENTIVE MAINTENANCE  
Project No. HWY-M-02-16M  
Date: November, 2015  
SHEET No. 1 OF 1 SHEETS