

GENERAL NOTES

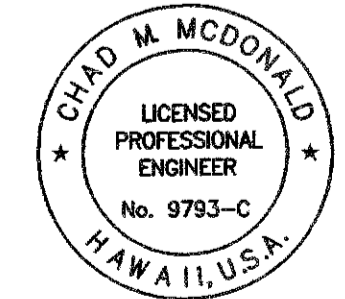
1. The project includes reconstructing and resurfacing the roadway; flattening shoulder slopes; adjusting utility manholes and valve boxes; reconstructing centerline survey monuments; resetting guardrails and replacing guardrail end terminals; replacing and installing signs; and replacing pavement striping and markers.
2. The Contractor's attention is directed to the following Sections of the Standard Specifications 2005 and Special Provisions: Subsection 104.11 - Utilities and Services, Section 107 - Legal Relations and Responsibility to Public, and Section 645 - Work Zone Traffic Control.
3. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
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 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.
6. The exact locations and limits or areas to be reconstructed and cold planed shall be determined in the field by the Engineer.
7. 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. 401.0100 - HMA Pavement, Mix No. IV.
8. 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. 401.0100 - HMA Pavement, Mix No. IV.
9. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, side streets and driveways as shown on the plans and/or as directed by the Engineer.
10. 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 considered incidental to the various contract items.
11. Contractor shall provide for access to and from existing side streets and driveways at all times.
12. All saw cutting work shall be considered incidental to Item No. 401.0100 - HMA Pavement, Mix No. IV and will not be paid for separately.
13. Reconstruction of existing unpaved shoulders and under existing guardrails shall be done by the Contractor. Work shall consist of clearing and grubbing; backfilling with suitable excavated material from reconstruction of weakened pavement areas; grading and compacting as called for in the contract and/or as directed by the Engineer.

14. Dressing of pavement drop-offs after shoulder paving is completed shall be done with material from cold planing or screened material from excavation of weakened pavement areas. Any excess cold planed material shall become the property of the State and delivered to the State Highways North Kona Baseyard.
15. 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.
16. Cold-planing of 50-ft. transitions at project limits shall be considered incidental to Item No. 415.0100 - Cold Planing.
17. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at the end of each work day.
18. The Contractor's attention is called to Section 407 - Tack Coat of the Special Provisions.
19. Temporary striping on cold planed surfaces shall be with paint (tape will not be allowed). Temporary striping on final overlay shall be with temporary tape.
20. Pavement striping shall be done with alkyd-based thermoplastic.
21. The Contractor shall replace all signs, posts and anchors within the project limits.
22. Cold planing of adjacent travel ways shall be completed on the same day. Temporary pavement markings shall be installed prior to the end of each work day.
23. Material from cold planing operations shall remain the property of the State and all excess shall be delivered to the North Kona Baseyard near Milepost 35 and the vicinity of Milepost 26.5.

LEGEND

- Reconstructed Pavement
- Existing Electrical Line
- New Electrical Line
- Existing Joint Pole
- Existing Pwer Pole
- Existing Electric Manhole
- Replaced Elec. MH Frame/Cover
- Existing Telephone Line
- Existing Telephone Pole
- Existing Telephone Manhole
- Replaced Telephone MH Frame/Cover
- Existing Signal Corps Line
- Existing TV Cable
- Existing 12" Water Line
- Existing Water Manhole
- Adjusted Water MH Frame/Cover
- Existing Water Air Valve
- Adjusted Water Air Valve
- Existing Water Valve Box
- Adjusted Water Valve Box
- Existing Water Meter
- Adjusted Water Meter
- New Water Meter
- New Fire Hydrant
- New 12" Sewer Line
- Adjusted Sewer MH Frame/Cover
- Existing Sewer Manhole
- Existing 6" Gas Line
- Existing Gas Valve Box
- Adjusted Gas Valve Box
- Existing Gas Manhole
- Adjusted Gas MH Frame/Cover
- Existing Monument
- Adjusted Monument
- Existing 24" Drain Line
- Existing Storm Drain Manhole
- Adjusted Storm Drain MH Frame/Cover
- New Storm Drain Manhole
- Existing Grated Drop Inlet
- Existing Drop Inlet
- Existing Catch Basin
- Existing Traffic Sign
- Existing Highway Lighting Standard
- Edge of Pavement
- Edge of Shoulder
- Existing Chain Link Fence
- Existing Traffic Signal Pullbox
- Replaced Traffic Signal Pullbox
- Existing Force Main
- Grouted Riprap
- Underdrain Cleanout
- Underdrain Outlet
- Existing Traffic Signal Pole
- Replaced Traffic Signal Pole

ORIGINAL PLAN	DESIGNED BY	DATE
NOTE BOOK	DESIGNED BY	DATE
No.	DESIGNED BY	DATE



This work was prepared by me or under my supervision

4/30/2016  
MITSUNAGA & ASSOCIATES, INC. EXP. DATE

NOTE: Contractor to check and verify dimensions at job before proceeding with work.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES AND LEGEND**

**MAMALAHOA HIGHWAY RESURFACING  
MAKALEI TO PALANI ROAD JUNCTION**

**F.A. Project No. STP-0190(015)**

Scale: As Noted Date: November 2011

SHEET No. **C-1** OF **59** SHEETS