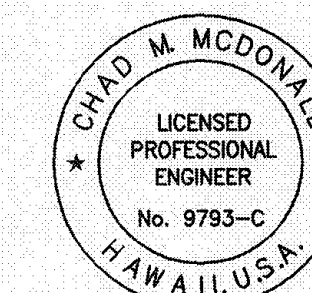


1. The project includes reconstructing and resurfacing the roadway; flattening shoulder slopes; adjusting utility manholes and valve boxes; reconstructing centerline survey monuments; replacing traffic loop detectors; resetting guardrails and replacing guardrail end terminals; constructing concrete ditches; replacing and installing signs; and replacing pavement striping and markers.
2. The Contractor's attention is directed to the following Sections of the 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 – Hot Mix Asphalt Concrete 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 – Hot Mix Asphalt Concrete 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 – Hot Mix Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
13. Initial preparation of shoulder areas shall be done by the Contractor. Shoulder preparation shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material from roadway reconstruction and cold planing, as shown on the plans and/or as directed by the Engineer. Contractor shall also be responsible for finish rolling and maintaining the shoulders until project completion. This work shall be considered incidental to Item No. 401.0200 – Leveling Course.

14. *Unprotected pavement depths greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.*
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. 401.0100 – Hot Mix Asphalt Concrete Pavement, Mix No. IV.*
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. *The Contractor shall pave the entire traveled way, including auxiliary lanes, channelized islands, and side roads with 1-1/2 inches of A.C. Mix IV. All thru lanes shall be 12 feet wide.*
21. *Paving shall not commence on the same day as the cold-planing.*
22. *The Contractor will be allowed to pave one lane of the roadway on a single day with the adjacent shoulder being paved the next day. The adjacent lane shall be paved no later than the third day.*
23. *The Contractor shall install milled rumble strips along shoulder lengths, except at right turn acceleration and deceleration lanes.*
24. *Pavement striping shall be done with alkyd-based thermoplastic. Except the bicycle symbols and adjacent 4" white lines shall be paint.*
25. *The Contractor shall replace all signs, posts and anchors within the project limits.*
26. *Two lanes of traffic shall be provided at all times. Lane closures or detours that slow down traffic shall not occur during peak hours (6:30 am to 8:30 am and 3:30 pm to 6:00 pm). Night work will be permitted. If the contractor elects to perform work at night, a noise variance permit shall be obtained at his cost with no additional time.*
27. *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.*
28. *If night work is approved, the contractor shall stop all work and contact the Fish and Wildlife Service (541-3441) if bats or birds are seen flying around the work area at night.*
29. *The Contractor shall schedule work around the annual Ironman Triathlon Race activities in September and/ or October. All pavement and shoulder areas shall be restored to smooth riding condition, completely cleaned and pavement striping installed. No construction work shall be permitted during the Triathlon period (beginning 30 days prior to and one day after event day).*
30. *Contractor shall purchase and install temporary Vehicle Detectors prior to reconstructing the existing loop detectors. Coordinated with the County of Hawaii, Traffic Division on the type and quantity required.*

	Non-Reconstructed Pavement	—g—6—	Existing 6" Gas Line
—e—	Existing Electrical Line	○ _{gv}	Existing Gas Valve Box
—E—	New Electrical Line	● _{GV}	Adjusted Gas Valve Box
○ _{jp}	Existing Joint Pole	○ _{gmh}	Existing Gas Manhole
○ _{pp}	Existing Pwer Pole	● _{GMH}	Adjusted Gas MH Frame/Cover
○ _{emh}	Existing Electric Manhole	⊙ _{mon.}	Existing Monument
● _{EMH}	Replaced Elec. MH Frame/Cover	● _{MON.}	Adjusted Monument
—t—	Existing Telephone Line	—d—24—	Existing 24" Drain Line
○ _{tp}	Existing Telephone Pole	○ _{sdmh}	Existing Storm Drain Manhole
○ _{tmh}	Existing Telephone Manhole	● _{SDMH}	Adjusted Storm Drain MH Frame/Cover
● _{TMH}	Replaced Telephone MH Frame/Cover	⊠ _{gdi}	New Storm Drain Manhole
—sc—	Existing Signal Corps Line	⊠ _{gdi}	Existing Grated Drop Inlet
—tv—	Existing TV Cable	⊠ _{cdi}	Existing Drop Inlet
—w—12—	Existing 12" Water Line		Existing Catch Basin
○ _{wmh}	Existing Water Manhole	Ⓟ	Existing Traffic Sign
○ _{WMH}	Adjusted Water MH Frame/Cover	○	Existing Highway Lighting Standard
○ _{av}	Existing Water Air Valve	EP	Edge of Pavement
○ _{AV}	Adjusted Water Air Valve	ES	Edge of Shoulder
○ _{wv}	Existing Water Valve Box	—x—x—x—	Existing Chain Link Fence
○ _{WV}	Adjusted Water Valve Box	⊠ _{ts}	Existing Traffic Signal Pullbox
⊠ _{wm}	Existing Water Meter	⊠ _{TS}	Replaced Traffic Signal Pullbox
⊠ _{WM}	Adjusted Water Meter	—fm—	Existing Force Main
●	New Water Meter	GRP	Grouted Riprap
⊠ _{fh}	New Fire Hydrant	⊖	Underdrain Cleanout
—s—12—	New 12" Sewer Line	□	Underdrain Outlet
SMH	Adjusted Sewer MH Frame/Cover	⊖	Existing Traffic Signal Pole
○ _{smh}	Existing Sewer Manhole	●	Replaced Traffic Signal Pole



Michael H. McGee 4/30/2011
MITSUNAGA & ASSOCIATES, INC. EXP. DATE

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

SHEET No. **C-1** OF 63 SHEETS