


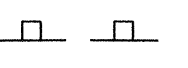



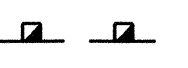
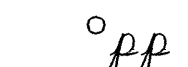

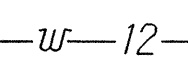
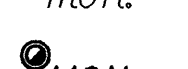
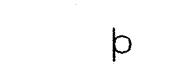
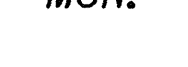


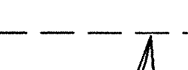
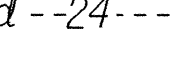

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	583A-01-01M	2004	3	33

- The scope of work for this project includes reconstructing weakened pavement areas; cold planing; pavement widening; resurfacing; removing and/or adjusting existing guardrails; installing new metal guardrails; constructing concrete end posts and aesthetic railings; removing and installing pavement markers and traffic signs; pavement striping; cleaning existing drainage systems; and dressing of shoulders.
- The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 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 of the Special Provisions : Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.
- 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 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 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 or areas to be filled with leveling course, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
- All lanes shall be open to traffic during off work hours. Only one lane of highway shall be closed at any time during work hours. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. IV prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
- Smooth riding 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.
- Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable material shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder, sidewalk or bus turnout. This work shall be considered incidental to the various contract items.
- Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- The contractor shall provide for access to and from all existing side streets and driveways at all times.

- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
- All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- Install new Type II Object Marker on all utility poles or trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Refer to Standard Plan TE-17.
- Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility & highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.
- After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.
- No section where guardrails have been removed shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing and maintaining physical barriers shall be considered incidental to the various contract items. See Plan Sheet 16 for details.
- All new metal guardrails shall be Strong Post W-Beam unless noted otherwise.
- Removal of Terminal End, Type BCT including removal of the cable assembly and concrete anchor block (1 CY), shall be paid for under Item No. 202.0410 - REMOVAL OF TERMINAL END, TYPE BCT.
- Removal of W-beam end sections (flared) , shall be considered incidental to Item No. 202.0421 - REMOVAL OF GUARDRAILS AND STEEL POSTS.
- All concrete posts for timber railing shall remain the property of the State. The Contractor shall transport to and stockpile these materials at the State Baseyard, located at Kahau Road in Kapaa. The Contractor shall coordinate with the Maintenance Engineer (Tel. #821-4440) to determine the exact locations for stockpiling the concrete posts. Transporting and stockpiling concrete posts shall be considered incidental to Item No. 202.0431 - REMOVAL OF TIMBER RAILING AND CONCRETE POSTS.
- All asphalt concrete materials from cold planing, reconstruction, and roadway excavation operations shall become the property of the Contractor. The Contractor shall remove and dispose these materials at no cost to the State.

LEGEND

	Reconstruction Areas		Existing Guardrail
	Cold Planing Areas		New Metal Guardrail
	Resurfacing Limits		Adjusted and/or Reset Metal Guardrail
	Existing Power Pole		Existing Monument
	Existing 12" Water Line		Adjusted or Reconstructed Monument
	Existing Traffic Sign		New Monument
	New Traffic Sign		Existing 24" Drain Line
	Existing Edge of Pavement		New Railing
	New Edge of Pavement		

ORIGINAL PLAN	SURVEY PLATTED BY	DATE
NOTE BOOK	DRAWN BY	Dec. 2003
NOTED BY	DESIGNED BY	
NOTED BY	CHECKED BY	
NOTED BY	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

MAALO ROAD RESURFACING  
Vicinity of Wallua Falls  
Project No. 583A-01-01M

Date: Aug. 2003

SHEET No. 1 OF 1 SHEETS