
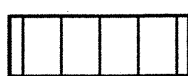
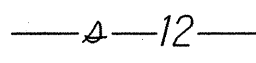
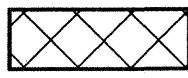
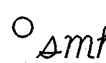
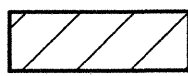


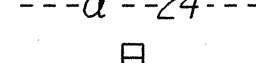



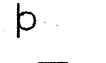
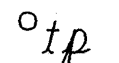
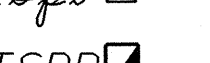
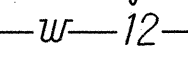

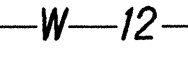

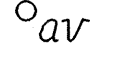
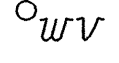

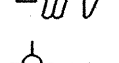



GENERAL NOTES

1. The scope of work for this project consists of reconstructing weakened pavement areas; resurfacing; cold planing; adjusting utility box frames and covers; replacing signs and reflector markers; installing pavement markings; and dressing shoulders.
2. 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.
3. 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.
4. 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.
5. The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
7. 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 Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
8. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under 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, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
10. Trimming and dressing of shoulder, sidewalk and bus turnout 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 materials shall include materials from roadway excavation, including topsoil, and if necessary, additional materials from borrow outside the limits of the right-of-way. Asphaltic pavement materials shall not be used for shoulder dressing. This work shall be considered incidental to the various contract items.
11. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
12. The contractor shall provide for access to and from all existing side streets and driveways at all times.
13. The Contractor shall remove and dispose of debris and silt deposited on existing culverts, as a result of his operations. This work shall be considered incidental to the various contract items.
14. All saw cutting work for pavement reconstruction (between Sta. 165+65 and Sta. 180+00) shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.

15. All saw cutting work for cold planing shall be considered incidental to Cold Planing.
16. All saw cutting work for roadway reconstruction (from Sta. 180+00 to Sta. 212+00) shall be considered incidental to Roadway Excavation.
17. 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.
18. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and 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. This work shall be considered incidental to the various contract items.
19. 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. Corrective measures shall be approved by the Engineer.
20. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of a location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the right-of-way from the State Highways Right-of-Way Branch at telephone no. 692-7332.
21. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Wherever the center of a Survey Monument is less than three (3) feet away from the edge of construction, the contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.
22. Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the replaced Benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval before commencement of construction.
23. All lanes shall be open to traffic during peak morning hours from 6:30 a.m. to 8:30 a.m., during afternoon peak hours from 3:30 p.m. to 6:00 p.m. and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the hours specified above shall result in assessment of liquidated damages as specified in section 108.08 of the Special Provisions.
24. Origin of azimuth "Puolo" 

LEGEND

	Shoulder Widening Area		Existing Sewer Line
	Cold Planing Areas		Existing Sewer Manhole
	Reconstruction Areas		New Monument
	Resurfacing Limits		Existing 24" Drain Line
	Existing Power Pole		Existing Grated Drop Inlet
	Existing Power Pole w/guy anchor		Existing Traffic Sign
	Existing Telephone Pole		Existing Traffic Signal Pull Box
	Existing 12" Water Line		Adjusted Traffic Signal Pullbox
	New 12" Water Line		
	Existing Water Manhole		
	Existing Water Air Valve		
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	Existing Water Meter		
	Existing Fire Hydrant		

WATER NOTES

1. Adjust existing valve boxes to new finished grade.
2. Prior to commencing his resurfacing operations, the Contractor shall contact the County of Kauai's Department of Water Operations Division (phone no. 245-5444) and make arrangements for the Department of Water personnel to "tone" for and mark locations of existing valve boxes that may have been inadvertently paved over on previous resurfacing projects. Approximate location of valve boxes that are to be raised to the new finished grade are noted on the plans.
3. It shall be the Contractor's responsibility to offset and record location of the valve boxes as marked by the Department of Water for the purposes of adjusting the valve boxes to the new finish grade after completion of his resurfacing operations. The Contractor shall preserve all offset stakes marking locations of the valve boxes. If offset stakes are damaged or lost, it shall be the Contractor's sole responsibility to survey and re-stake locations of the valve boxes.

DRAINAGE NOTES

1. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various contract items.
2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50C-02-01M	2003	3	18

ORIGINAL PLAN	DATE	8-30-01
SURVEY PLOTTED BY		
DRAWN BY		
TRACED BY		
NOTED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES & LEGEND
KAUMUALII HIGHWAY RESURFACING
Vicinity of Laulea Street to Halewili Road
Project No. 50C-02-01M
Date: April, 2003
SHEET No. 1 OF 1 SHEETS