

GENERAL NOTES

1. This project begins in the vicinity of Kuihelani Highway and Puunene Avenue and proceeds along Dairy Road going to the airport and ending in the vicinity of Keolani Place.
2. The project includes reconstructing weakened pavement areas; resurfacing existing pavement; cold planing; adjusting water valves, manhole covers, monuments, etc. and installing pavement markings and roadway signage.
3. 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, A.C. Pavement, Mix No. IV.
4. 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.
5. 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, A.C. Pavement, Mix No. IV.
6. The Contractor's attention is directed to Sub-Sections 104.04, 107.13 and Section 645 of the Standard Specifications and the Special Provisions.
7. Saw-cutting of existing pavement shall not be measured or paid for separately, but shall be considered incidental to cold planing.
8. 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.
9. 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.
10. 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 Plant Mix Glassphalt Concrete Base Course prior to resurfacing.
11. The Contractor shall construct tapers at sideroads and driveways as shown on Sheet No. 6 unless otherwise directed by the Engineer. Payment for this work shall be made under Item No. 401.0400, A.C. Pavement, Mix No. IV.
12. The Contractor shall notify the State, in writing, two weeks prior to starting paving operations.
13. 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.

14. 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.
15. All holes, cracks and large depressions shall be filled and compacted with A.C. Pavement, Mix No. IV prior to resurfacing. Pavement shall be under Item No. 401.0400, A.C. Pavement, Mix No. IV.
16. 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.
17. The Contractor shall provide safe access to business and residential driveways and sidewalks for motorists and the public at all times during construction.
18. 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.
19. All manholes frames and covers affected by the resurfacing shall be adjusted to the new grades as directed by the Engineer.
20. 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. 652.0100.
21. 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.
22. 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.
23. 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. 652.0100.

WATER CONSTRUCTION NOTES

1. 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.
2. The Contractor shall notify the Dept. of Water Supply in writing one week prior to commencing work.
3. 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.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	3800A-01-03M	2003	3	17



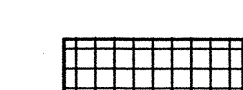




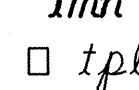
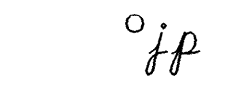
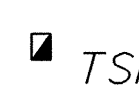
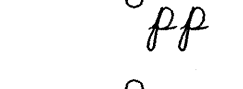
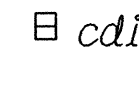
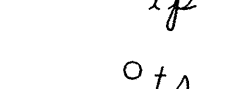

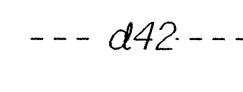

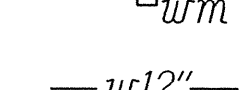
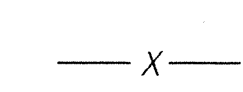




MAUI ELECTRIC CO. (MECO) LTD. NOTES

1. 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.
2. The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
3. 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.
4. The Contractor shall be liable for any damages to MECO facilities and shall immediately report such damages to MECO.

SEWER NOTES

1. 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.
2. The Contractor shall notify the Waste Management Division (7) seven days prior to the commencement of sewer work.
3. Location of existing sewer appurtenances shown on the plans are approximate only. The exact location shall be verified in the field.
4. The Contractor shall raise all manhole covers no later than (5) working days after being paved over.

LEGEND

	Reconstruction Areas		Adjusted Electric Manhole
	Cold Planing Areas		Adjusted Storm Drain Manhole
	Resurfacing Limits		Adjusted Sewer Manhole
	Existing Guy Pole		Existing Telephone Manhole
	Existing Joint Pole		Existing Telephone Pullbox
	Existing Power Pole		Adjusted Traffic Signal Pullbox
	Existing Telephone Pole		Existing Concrete Drop Intake
	Existing Traffic Signal		Adjusted Monument
	Existing Drain Line		
	Existing Water Meter		
	Existing Water Line		
	Existing Chain Link Fence		
	Adjusted Water Valve		
	Existing Fire Hydrant		

DESIGNED BY	DATE
NOTED BY	
CHECKED BY	
IN CHARGE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

DAIRY ROAD RESURFACING
Keolani Place to Kuihelani Highway
Project No. 3800A-01-03M

Date: September, 2002

SHEET No. 1 OF 1 SHEETS