

GENERAL NOTES

1. The Project starts on Kam V Highway in the vicinity of Kamalo (M.P. 11.30) and proceeds towards east and ends in the vicinity of Pukoo (M.P. 16.50). The scope of work for this project consists of reconstructing, cold planing and resurfacing of existing pavement, adjusting water manhole and water valve box frame and cover, installation of pavement markings and signing and upgrading guardrail end terminal and adjusting existing guardrail post, constructing new paved shoulder and constructing grated drop inlet, extending existing pipe culvert.
2. The Contractor's attention is directed to Sub-Section 104.04 Maintenance of Traffic, 107.13 Public Convenience and Safety, 107.21 Contractors Responsibility for Utility Property and Services, Section 645 Traffic Control of the Standard Specification and the Special Provisions.
3. 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.
4. Saw-cutting of existing pavement shall not be measured or paid for separately but shall be considered incidental to various contract items.
5. Dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
7. 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.
8. Smooth riding connections shall be constructed at the beginning and end of the project and at all connecting approaches, side roads and driveways shown on the plans and/or as directed by the Engineer.
9. All lanes shall be open to traffic during the morning peak 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 off work hours. Only one lane of highway shall be closed at any other time.
10. The Contractor shall not leave more than 1 1/2" drop-off at the edge of pavement, at the end of each work day. Whenever the Contractor leaves a 1 1/2" drop-off, the Contractor shall install delineators and barricades along the edge of the pavement. This work which includes furnishing, installing, cleaning, maintaining correct placement and removing when required, shall be considered incidental to excavation for Reconstruction of Weakened Pavement Areas.
11. 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.
12. The Contractor shall provide for vehicular and pedestrian access to and from all existing sideroads driveways and walkways at all times.
13. 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. 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.

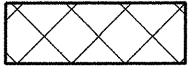
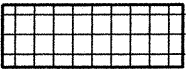










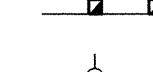



14. The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
15. Where existing concrete driveways occurs, Contractor shall cold plane existing Asphalt Concrete prior to overlaying A.C. Mix No. IV. See Typical Section. This will be paid for under Item No. 652.0100.
16. In cold planing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, especially the structure deck joints, drain pipes or reinforcement. Any damage to the structure during the cold planning operation shall be repaired by the Contractor at his own expense. Repair work shall be as directed by the Engineer. The Contractor shall verify the existing pavement thickness by hand digging at various locations. This work shall be considered incidental to cold planning.
17. Generally lane width should be 10' wide. The Contractor shall verify available roadway width to determine the accuracy of the designed "Typical Section". Any discrepancies shall be brought up to the Engineer for direction.

WATER CONSTRUCTION NOTES

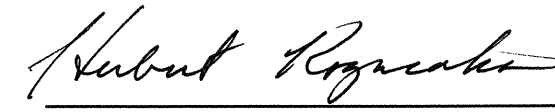
1. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1985, as amended, of the Hawaii Highways Division, Department of Transportation and the County of 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.
4. Existing water valves and manholes shown on plans are obtained from the latest available data. Should additional valves and manholes be found within the project limits, the Contractor shall notify the engineer prior to adjusting to new finish grades.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	450B-01-02M	2002	3	40

LEGEND

-  Reconstruction Areas  
(See Schedule Sht. 34)
-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Power Pole
-  Existing Edge of Pavement
-  Existing Edge of Shoulder
-  Existing Telephone Pole
-  RM-3
-  RM-4
-  Existing Signs
-  Adjusted Water MH Frame & Cover
-  Adjusted Water Valve Box
-  Existing Guardrail
-  Reset Guardrail
-  Existing Fire Hydrant
-  Existing Storm Drain Manhole

DESIGNED BY	DATE
NOTED BY	10/1/01
CHECKED BY	
APPROVED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

  
Ak Director,  
Department of Water Supply  
County of Maui  
(Approval limited to water improvements  
which will be dedicated to the Department  
of Water Supply)

2/19/02  
Date

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>GENERAL NOTES AND LEGEND</b>
KAMEHMEHA V HIGHWAY RESURFACING Kamalo to Pukoo Project No. 450B-01-02M
Date: September, 2001
SHEET No. 1 OF 1 SHEETS