

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(183) HI-I-02-83M	1983	2	30

GENERAL NOTES

1. The scope of work for each project consists of cold planing, reconstructing and resurfacing existing pavement areas; adjusting manhole frames and covers and monuments; and installing pavement markers and striping. Additional work for Project No. HI-I-02-83M is the repair of longitudinal and transverse joints on Keeaumoku Street Overpass.

2. The entire roadway areas within the project limits shall be resurfaced with Asphalt Concrete Pavement, Mix No. I as indicated on the plans unless otherwise directed by the Engineer.

3. The Contractor's attention is directed to Subsection 107.13- "Public Convenience and Safety" and to Section 645- "Traffic Control" of the Special Provisions.

4. The Contractor shall give advance notice to the Utility Agencies or Companies as indicated below prior to any paving operations:

a. Board of Water Supply, Field Operation Division seven (7) days by calling 548-6169 or 548-5220.

b. Waste Water Management Division, Construction Section seven (7) days by calling 523-4344.

c. All other applicable Utility Agencies or Companies seven (7) days.

5. The Contractor shall notify the Mass Transit Line, Inc. Customer and Public Relations Office at 537-9224 seven (7) days prior to any paving operations.

6. The Contractor shall submit a written proposed intention to change existing traffic patterns (eg. lane closures, road closures, re-channelization, etc.) ten (10) calendar days prior to the proposed change. The submittal to the Engineer shall contain a brief description of what will be done and the time and days of the proposed change. The Contractor shall furnish and install informational signs at impending proposed changes along the approaches to the affected area for three (3) working days prior to the proposed changes. This work shall be paid for under Item No. 645.2000 -Traffic Control.

7. The existence and location of underground utilities, manholes, monuments 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. All damaged portions shall be replaced in accordance with the Standards and Specifications of the State and/or the affected utility company.

8. The Contractor shall adjust all survey monuments & manhole frames and covers, including those that are paved over with A.C. Removal of existing A.C. over manhole frames and covers shall be incidental to Item No. 604.4010-Adjusting Manhole Frame and Cover. Removal of existing A.C. over survey monuments shall be incidental to Item No. 614.0110-Adjusting Standard C & C Street Survey Monument.
9. 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 Asphalt Treated Base Course or Recycled Asphalt Treated Base Course prior to resurfacing.

10. All holes and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. I prior to resurfacing. This work will be paid for under Item No. 401.0500-Asphalt Concrete Pavement, Mix No. I.

11. The Contractor shall remove and dispose all existing raised pavement markers in the resurfacing areas prior to overlaying of Asphalt Concrete. This work shall be considered incidental to Item No. 401.0500-Asphalt Concrete Pavement, Mix No. I and will not be paid for separately.

12. If at the end of a work day the full travelway or total width of roadway is not paved, the Contractor shall pave the longitudinal pavement drop between lane passes of Paver with a 4:1 slope transition. Prior to resuming paving, the 4:1 slope transition shall be removed. Furnishing, paving and removing the 4:1 Asphalt Concrete slope transition shall be considered incidental to Item No. 401.0500-Asphalt Concrete Pavement, Mix No. I and will not be paid for separately.

13. 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, between all pavement areas used by public traffic during each construction phase, and between transition of construction phases.

14. Unless otherwise specified all work performed on the sewer system facilities shall be in accordance with the City & County of Honolulu "Standard Specifications For Public Works Construction" dated May 1975, and the latest Department of Public Works "Standard Details For Public Works Construction" dated August 1976 and the revised ordinances of Honolulu, 1978, as amended.

15. Existing Asphalt Concrete Pavement removed by cold planing and excavated weakened pavement areas may be used for "Recycled Plant Mix Asphalt Concrete Base Course" or otherwise shall be the Contractor's property.

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

INTERSTATE RT. H-1 RESURFACING
F.A. PROJ. NO. 1R-HI-1(183) &
PROJ. NO. HI-I-02-83M

Date: May, 1983

SHEET No. 1 OF 2 SHEETS

UTILITY GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(183) HI-1-02-83M	1983	3	30

GAS

1. The Gasco, Inc. gas pipe lines in the project area are plastic coated and cathodically protected. The Contractor shall be extremely careful when working near these gas pipe lines.
2. Prior written clearance must be obtained from Gasco, Inc. at least five (5) working days before starting excavation near these gas lines.
Since gas line locations on field maps are approximate, the Contractor, after obtaining a written clearance, shall call Gasco, Inc., a minimum of 48 hours before starting excavation to arrange for field location of existing gas lines. The telephone number is 547-3575 during business hours, and 526-0066 after hours.
The Contractor shall excavate and backfill around gas pipe lines in the presence of a Gasco, Inc. representative. All backfill within six inches of gas pipe line shall be select cushion material approved by Gasco, Inc.
3. For relocation of any gas pipe line, the Contractor shall notify Gasco, Inc. five (5) working days before starting work. The Contractor shall provide the necessary excavation and backfill, arrange for traffic permits and restore sidewalk pavement or other facilities. Any relocation of gas facilities shall be done by Gasco, Inc. and paid for by the Contractor.
4. The Contractor shall notify Gasco, Inc. immediately after any damage has been caused to existing gas pipe lines, their coatings or their cathodic protection devices. Repair work on this damage shall be done by Gasco, Inc. with payment for this work to be borne by the Contractor.
5. Minimum vertical or horizontal clearance between gas pipe lines and other pipelines, conduits, or ductlines shall be 12 inches. Adequate support and protection for gas pipe lines exposed in the trench shall be provided. Such support and protection shall be approved by Gasco, Inc.
6. The Contractor shall work in an expeditious manner in order to keep uncovered gas lines exposed for as short a period of time as possible.

WATER

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 1976, as amended, of the Hawaii Highways Division, Department of Transportation.
2. The BWS Standard Details, Figures 1 to G2 inclusive, bound in the "Water System Standards" of the BWS, dated March 1977, as amended, are applicable to this project.
3. The Contractor shall notify the Board of Water Supply seven (7) days prior to commencing work on the water system by calling Mr. Melvin Mikasa at 527-6169.
4. The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
5. Any adjustments to the existing water system required during construction to meet requirements of BWS Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board.

ELECTRIC

1. Should it become necessary, any work required to relocate HECO's facilities shall be done by HECO and cost shared by State and HECO per Hawaii Revised Statutes 264.33. The State shall be responsible for all coordination.
2. The Contractor is to comply with the directions of the State of Hawaii Occupational Safety and Health Law (DOSH).
3. The Contractor is to obtain a clearance to excavate from HECO Mapping and Record Division, 4th floor, 820 Ward Avenue Ten (10) working days prior to start of construction.
4. For verifying the location of underground duct lines and for assistance in providing proper support and protection of the underground duct lines, the Contractor is to contact HECO Underground Division at 548-7395 a minimum of 72 hours in advance.
5. The existence and location of HECO's overhead and underground facilities as shown on the plans are from existing records of varying degrees of accuracy and are not guaranteed as shown, therefore, the Contractor is to exercise extreme caution when the excavation and construction crosses or is in close proximity of underground electrical facilities and maintain adequate clearance for his equipment while working close to and/or under the overhead facilities.
6. The Contractor shall be liable for any damages to HECO's facilities.
7. The Contractor shall report any damages to HECO's facilities to HECO Trouble Dispatcher at phone no. 548-7920.

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

APPROVED:

[Signature]
CHIEF, PLANNING & ENGINEERING, BWS

5-12-83
DATE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION UTILITY GENERAL NOTES INTERSTATE RT. H-1 RESURFACING F.A. PROJ. NO. IR-HI-1(183) & PROJ. NO. HI-1-02-83M Date: May, 1983 SHEET No. 2 OF 2 SHEETS
