

GENERAL NOTES

1. This project begins in the vicinity of Lau Place at Baseline Station 889+00± and extends to Kahana Bay, ending at Baseline Station 969+00±. Improvements consist of resurfacing with asphalt concrete, reconstructing weakened pavement areas with plant mix (or recycled plant mix) asphalt concrete base course, widening roadway, shoulder improvements, adjusting existing manhole frames and covers, extending existing culverts, modifying drop intakes, installing pavement markers, pavement striping and guard rail installation. The length of the project is 1.52 miles.
2. The existing pavement shall be prepared for resurfacing by brooming and tack coating. All cracks, depressions and holes encountered in the existing pavement shall be cleaned of loose material and filled and compacted with Mix No. I asphalt concrete prior to resurfacing with asphalt concrete. Cost shall be considered incidental to placing of asphalt concrete Mix No. I.
3. The prepared surface shall be resurfaced to 1 1/2" thickness of A.C. Mix from the Beginning of Project to Sta. 913+55 and from Sta. 925+75 to Sta. 969+00 and 4" thick A.C. Mix from Sta. 913+55 to Sta. 925+75.
4. Smooth riding transitions shall be provided at all paved roadway connections, including approximately 15 paved driveways, and at bridges within the roadway R/W. Smooth riding connections shall also be constructed at the beginning and ending of the project as directed by the Engineer. Payment for making smooth connection shall be made under Asphalt Concrete Pavement, Mix No. I.
5. Maintenance of traffic through the construction area shall be in accordance with Part VII of the "Manual on Uniform Traffic Control Devices for Streets and Highways," Federal Highway Administration (1978) and as specified in the Special Provisions. The Contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc. for the safety of the motoring public.
6. Before paving, the Contractor shall reference all existing manholes in a manner satisfactory to the Engineer. The Contractor shall notify all applicable utility agencies and/or companies prior to beginning paving operations. These shall be considered as incidental to asphalt concrete pavement and no separate payment shall be made.
7. The Contractor shall stake out the locations of the pavement markings and shall furnish, deliver and install the pavement markers and striping in accordance with the special provisions and as shown on the plans.
8. The Contractor shall keep one lane open to traffic during his working hours. All lanes shall be open to traffic during his non-working hours as specified in the special provisions.
9. The exact location and linear dimensions of pavement reconstruction shall be determined in the field by the Engineer.
10. Cold plane 1 1/2" over all bridges as shown by details on Plan sheet no. 3.
11. During excavation the Contractor shall use caution so as not to disturb any underground facilities (sewer lines, water lines etc.) within the roadway.
12. Before paving, the Contractor shall locate and reference all existing centerline monuments in a manner satisfactory to the Engineer. See Plan sheet no. 25 for details.

13. All cold planed sections of roadway shall be paved before they are opened to the public. The Contractor shall be required to pave the full travelway or total width of roadway so as not to leave a hazardous longitudinal drop. Any transverse drop must be tapered to provide a smooth riding condition.
14. All excavated sections of reconstructed roadway shall be filled and compacted within the working day, during the specified hours of lane closure.
15. All A.C. Pavement removed shall be deemed unsalvageable and shall be disposed of by the Contractor.
16. The existence and location of underground utilities, manholes, and structures, as shown on the plans, are from the latest available data but is not guaranteed as to accuracy or completeness. The Contractor shall be responsible and shall pay for all damages to existing utilities resulting from his operations.
17. Excavation for pavement widening and shoulder improvements shall be limited only to the volume of work that can be completed by the end of the same working day. Excavated roadway section shall be constructed to full depth or as directed by the Engineer.
18. Dressing of shoulders shall be considered incidental to Roadway Excavation and will not be paid for separately.
19. The Contractor shall notify the State Department of Transportation, Highways Division, in writing, two weeks prior to starting paving operations.
20. The Contractor shall notify M.T.L. (Richard Tom or Clark McArthur) phone number 533-1388 two weeks prior to construction informing them of location and scope of work, proposed closure of any street and temporary relocation of any bus stop.

H.E.Co. NOTES

1. 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.
2. When trench excavation is adjacent to or under existing structures or facilities, the Contractor is responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it safe and secure from possible slides, cave-ins and settlement, and for properly supporting existing structures and facilities with beams, struts or underpinning to fully protect it from damage.
3. The Contractor is to comply with the directions of the State of Hawaii Occupational Safety and health law (DOSH).
4. The Contractor is to obtain a clearance to excavate from HECO Mapping and Record Division, 4th floor, 820 Ward Avenue two weeks prior to start of construction.
5. 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 548-7325 a minimum of 72 hours in advance.
6. For pole bracing instructions should field conditions and/or construction procedures require that poles be braced to facilitate construction, the Contractor is to contact Mr. Ralph Preston, HECO District Construction Superintendent, at 262-5454 a minimum of 72 hours in advance.
7. Should it become necessary, any work required to relocate HECO facilities shall be done by HECO, and cost shared by the State and HECO per Hawaii Revised Statutes 264.33.
8. The Contractor shall be liable for any damages to HECO's facilities.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FR-083-1(17)	1983	2	25

WATER NOTES

1. The Contractor shall give advance notice to the Board of Water Supply, Field Operation Division seven (7) days prior to any paving operations by calling 247-4561 or 235-3535. (Heeia Yard)
2. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the STANDARD SPECIFICATIONS ROAD & BRIDGE CONSTRUCTION, dated 1976, as amended, of the Hawaii Highways Division, Department of Transportation.
3. The B.W.S. Standard Details, Figures 1 to 62 inclusive, bound in the "Water System Standards" of the BWS, dated March 1977, as amended, are applicable to this Project.
4. The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the water system.
5. Approval by the Board of Water Supply is based solely on the adequacy of the water supply. Discrepancies, if any, of alignments, grades, fittings, etc. shall not be the responsibility of the Board of Water Supply.
6. 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.
7. Any adjustments to the existing water system including but not limited to manholes, meter boxes, meters, required during construction to meet requirements of B.W.S. Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board.
8. The Contractor shall verify in the field and adjust all existing meter boxes, Water Manholes, Frames and Covers and Valve Boxes that are located within the work area limits as directed by the Engineer. Any water Manholes, and Valve Boxes outside of the work area limits shall not be adjusted.

APPROVED

R. H. H. H. 3-17-83
Chief, Planning & Engineering, B.W.S. Date

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

NOTES

KAMEHAMEHA HWY. RESURFACING
VICINITY OF LAU PLACE
TO KAHANA BAY
P.A. PROJECT No. FR-083-1(17)

SHEET NO. 1 OF 1 SHEETS