

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-093-1(11)	1994	3	81

LEGEND

- [] Existing Pull Box
— — Existing Wet Wash cable
—cotc— Existing cotc cable
—tpc— Existing tpc cable
o_{jp} Existing Joint Pole
o_{pp} Existing Power Pole
—e— Existing Electrical Line
—s— Existing Sewer Line
—w-12- Existing Water Line
—jts— Existing Joint Trunking
o_{wv} Existing Water Valve
•wv Existing Water Valve to be Adjusted
✧fh Existing Fire Hydrant
o_{smh} Existing Sewer Manhole
o_{d_{mh}} Existing Drain Manhole
•dmh Existing Drain Manhole to be Adjusted
o_{av} Existing Water Air Valve
[]cb Existing Catch Basin

GENERAL DETOUR NOTES

1. Detour traffic lanes shall be 10-foot wide with 2-foot wide shoulders.
2. Portable Concrete Guardrails shall be offset a minimum of 2-foot from the edge of the traffic lanes.
3. Any request for changes to the detour plans shall be made in writing for the Engineer's approval.
4. Detour pavement structure shall be paid for under the respective items listed in the proposal schedule.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES & LEGEND
FARRINGTON HIGHWAY
Replacement of Makaha Bridges
Nos. 3B, 4, 5 & 5A
F.A. PROJ. NO. BR-093-1(11)
Date: April, 1993
SHEET No. 1 OF 1 SHEETS

1. The scope of work for this project consists of the replacement of existing wooden Makaha Bridge Nos. 3B, 4, 5 and 5A with new concrete Makaha Bridge Nos. 3B, 4, 5, and 5A, constructing detour roads, concrete retaining walls, slope protection, and roadway pavement, relocating water lines, removing existing guardrails and wire fencing with post, installing new guardrails, wire fencing with post, signs and pavement markings.
2. The Contractor is reminded of the requirements of Subsection 108.1 - Subletting of Contract, to perform with his organization, work amounting to not less than 50 percent of the total contract cost less deductible amounts allowed.
3. 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 Section 645 - Traffic Control.
4. 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.
5. 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 the 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.
6. The exact locations and limits of areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
7. The Contractor shall notify the Oahu Transit Services, Inc. Road Supervision Office at 848-4571 seven (7) days prior to any construction operations.
8. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
9. Dressing of shoulder, sidewalk and bus turnout 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.
10. Existing drainage system 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 of which shall be considered incidental to the various contract items.
11. Earth swale shall be graded to drain. Earth swale shall not be paid for separately, but shall be considered incidental to the various contract items.
12. All saw cutting work shall be considered incidental to Roadway Excavation.
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. All work to remove temporary facilities by the Contractor shall be considered incidental to the various contract items in the proposal.
15. The Contractor shall notify Albert Silva of Ohikilolo Ranch at 696-6778 one (1) week prior to installation of wire fencing.
16. Complete Control of Access to properties adjacent to the Highway Right of-Way shall be maintained throughout the construction period. The Contractor shall have the temporary wire fence installed and approved by the Engineer prior to removal of the existing wire fence. Furthermore, the Contractor shall have the permanent wire fence installed and approved by the Engineer prior to removal of the temporary wire fence.
17. Following completion of each bridge and prior to removing appurtenances for the detour road, all pavement markings shall be installed as shown on the pavement marking plans of design as directed by the Engineer. This shall not be paid for separately but shall be considered incidental to the various contract items.
18. 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 City and County of Honolulu Board of Water Supply's "Water System Standards", 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.
19. The Contractor shall notify Jeff Akamine at 543-2422 of First Hawaiian Bank and Danny Morisaki at 656-2942 and Mateo Alcaraz at 696-9462 of the United States Army Support Command Hawaii at least one (1) week prior to commencing work on the water systems.
20. All work shall be arranged so that there shall be no unnecessary or extended interruption in water service or damage to the existing and temporary water systems and appurtenances. The maximum time for interruption in water service will be two (2) hours. Any damage to the existing and temporary water systems and appurtenances shall be the responsibility of the Contractor and the cost of repair thereof shall be borne by the Contractor.
21. Upon completion of the bridges and traffic is transferred to the finished permanent roadway, the detour roads including all its appurtenances shall be removed and the construction parcels shall be restored to its original condition or as approved by the Engineer.
21. The contractor shall have existing utility lines toned prior to installing guardrails in the vicinity of the utility lines. If the proposed guardrail posts are within 3 feet of the utility lines, the contractor shall excavate and expose the utility line to determine alignment and depth. The contractor shall install guardrails in these areas by acceptable methods other than driving, such as hand digging to prevent damages to the existing utility lines.
22. The Contractor shall be required to obtain a Right-of-Entry permit from the Department of Parks and Recreation Permit Section, 650 South King Street, Honolulu, HI 96813, two (2) weeks prior to any construction operations.
23. Temporary PVC Schedule 40 waterlines shall not be exposed to direct sunlight. The Contractor shall cover the waterlines with soil, dark plastic sheeting or other material as approved by the Engineer.
24. The Contractor shall exercise extreme caution so as not to disturb the Keauu stream banks on the west side of Makaha Bridge No. 4 at any time. The areas near the embankments are known to have archaeological sites that have historical significance.

SURVEY PLATTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
IN CHARGE	