FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-04M	2006	3	74

LEGEND

Symbol	Description
[ ]	Limit of Paving or Jurisdiction Line
tsb	Existing Traffic Signal Box
TSPB	Adjusted/Relocated Traffic Signal Pullbox
TSPB	New Traffic Signal Pullbox
--ts--	Existing Traffic Signal Ductline/Conduit
--TS--	New Traffic Signal Ductline/Conduit
hlpb	Existing Highway Lighting Pullbox
HLPB	Adjusted/Relocated Highway Lighting Pullbox
--HL--	New Highway Lighting Ductline/Conduit
--hl--	Existing Highway Lighting Ductline/Conduit
hls	Existing Highway Lighting System Standard
pp	Existing Power Pole
EPB	Adjusted/Relocated Electric Manhole
EHH	Adjusted/Relocated Electric Handhole
tpb	Existing Telephone Pullbox
TPB	Adjusted/Relocated Telephone Pullbox
TPB	New Telephone Pullbox
tmh	Existing Telephone Manhole
TMH	Adjusted/Relocated Telephone Manhole
TMH	New Telephone Manhole
catv	Existing Cable TV Box
CATV	Adjusted/Relocated Cable TV Box
wv	Existing Water Valve Box
WV	Adjusted/Relocated Water Valve Box
wm	Existing Water Meter
WMH	Adjusted/Relocated Water Manhole
fh	Existing Fire Hydrant
smh	Existing Sewer Manhole
SMH	Adjusted/Relocated Sewer Manhole
mon.	Existing Monument
MON	Adjusted Monument
MON	New Monument
cb	Existing Catch Basin
CB	New Catch Basin
gdi	Existing Grated Drop Inlet
sdmh	Existing Storm Drain Manhole
SDMH	Adjusted/Relocated Storm Drain Manhole
SDMH	New Storm Drain Manhole
	Existing Guardrail
	New Guardrail
	Existing Signs
	Relocated Signs
x, O, ⊗	Existing Elevation
8.50	Existing Elevation
8.50	New Elevation
TC 8.50 / BC 8.00	Existing Elevation
TC 8.50 / BC 8.00	New Elevation

GENERAL NOTES

1. The scope of work for this project includes cold planing and resurfacing of existing pavement; excavating and reconstructing of existing shoulder; removing existing guardrail and metal posts, and sawcutting of existing guardrail concrete posts; constructing new curb, curb and gutter, sidewalk and curb ramps; adjusting utility manholes, valve boxes, and pullboxes; and installing new drainage system, guardrails, crosswalks, traffic signal system, loop detectors, pavement markings, signing and striping.

2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.

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 Services; 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 accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall tone for the exact locations and depths of all underground facilities, either shown or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for damages incurred to the existing facilities and/or improvements as a result of his operations.

6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.

7. The Contractor shall be solely responsible for the protection of adjacent properties, utilities, landscape median areas, and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.

8. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. The work shall be considered incidental to any culvert work and will not be paid for separately.

9. Earth swale shall be graded to drain. The work shall be considered incidental to roadway excavation.

10. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to asphalt concrete and will not be paid for separately.

11. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to roadway excavation and will not be paid for separately.

12. Removal and disposal of existing curb and gutter, curb, sidewalk and asphalt concrete pavement, and any debris shall be considered incidental to their respective bid items.

13. All saw cutting work and related clean-up of slurry shall be considered incidental to Asphalt Concrete Pavement.

14. All curbing angle points within the curb ramps shall be rounded with R=6".

15. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.

16. All new guardrail posts shall be 8.0 ft. long unless otherwise specified.

17. The top of Plant Mix Glassphalt Concrete Base Course prior to placement of the new A.C. Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface shall not exceed 3/16".

18. Dressing of shoulders and sidewalks, consisting of clearing and grubbing, grading, reshaping and compacting with suitable material, and hydro-mulch seeding the area adjacent to the improvement as shown on the plans and/or as directed by the Engineer shall be considered incidental to Asphalt Concrete Pavement.

19. The Contractor shall provide and maintain access to and from all existing sidewalks, ADA access routes, side streets and cross streets at all times; shall coordinate with adjacent property owners and provide alternative routes five working days prior to paving the driveways. These work shall be considered incidental to Asphalt Concrete Pavement.

20. The Contractor shall notify the Oahu Transit Services, Mr. Ed Sniffen (848-4571) or Mr. Lowell Tom (848-4578), two weeks prior to construction, informing them of location, scope of work, and closure of Farrington Highway and/or traffic lanes and dates of closure. This work shall be considered incidental to Asphalt Concrete Pavement.

21. The Contractor shall exercise extreme caution in installing the guardrail posts in the median from ℄ Sta. 111+00± to ℄ Sta. 113+42±. Naval Aviation Gas, Gasco, drain and sewer lines are present and underground. The Contractor shall coordinate with the utility companies at a minimum of five working days prior to the installation of the guardrail posts. This and any coordination of work with utility companies shall be in accordance with Subsection 107.21(A) - Contractor's Duty To Coordinate Utility Work.

22. Provide smooth transition where new sidewalk construction meets the existing grade or sidewalk. Transition shall not be steeper than 2% cross and longitudinal slopes and not less than 6.0 feet long or as specified on the plans. This work shall be considered incidental to sidewalk.

23. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the Oahu District Office at telephone no. 831-6712.

DRAINAGE NOTES

1. Existing drainage systems 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 shall be incidental to the various contract items.

2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.

3. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

4. For added reinforcing around existing and new culverts, see Standard Plan H-04, unless otherwise noted.

5. Concrete shall be Class A unless otherwise noted.

6. Chamfer all exposed concrete edges 3/4".

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL & DRAINAGE NOTES and LEGEND

FARRINGTON HIGHWAY REHABILITATION, VICINITY OF OLD FORT WEAVER ROAD TO KAMEHAMEHA HIGHWAY
PROJECT NO.: 7101A-01-04M

No Scale   Date: July, 2005

SHEET No. 1 OF 1 SHEETS