

GENERAL NOTES

1. The scope of work for this project consists of reconstructing weakened pavement and sidewalk areas; cold planing; constructing bike lane and curb ramps; resurfacing; guardrail and drainage improvements; relocating water, electric, and telephone facilities; installing signs and pavement markings; root barriers; trimming trees; adjusting manholes and installing Board of Water Supply Water Main.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 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 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.
6. 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.
7. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. #848-4571) seven (7) days prior to any paving operations.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. 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.
10. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. IV prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
11. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
12. Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
13. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
14. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

15. The Contractor shall provide for access to and from all existing side streets at all times.
16. All saw cutting work shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.
17. Contractor shall notify homeowners of their driveway adjustments two (2) weeks prior to construction.
18. Contractor shall execute caution during construction near the wall on Waa Street.
19. Contractor shall dispose or deliver any removed material at no cost to the State.
20. Contractor shall trim tree branches and shrubs overhanging on sidewalk near Kalaniki Street. This work shall be considered incidental to various contract items.
21. Contractor shall exercise caution when cold planing over existing structures.
22. All 8-inch water main related work should be performed by the Contractor before repaving and sidewalk related work.
23. Contractor shall ensure that water supply to residence is not interrupted during construction of new 8-inch water main.
24. Cold planing operations, the Contractor is to take special measures to reduce dust from cold planing operations including but not limited to use of water misters on cold planing equipment and vaccum sweepers. Use of power brooms to sweep road not allowed if dust nuisance is created.
25. Contractor shall use caution during construction near the wall on Waa Street. The tile wall may not be stable.
26. Contractor shall replace all missing CMU and concrete caps for the CMU wall of the Planter Box. Concrete caps shall be considered incidental to CMU wall.
27. The Contractor shall install and complete all traffic signal features shown on plan sheet nos. 68 and 69 within the first two month of the project. The Contractor shall also coordinate this project with the traffic signal Contractor hired to install the traffic signal system at the intersection of Analii Street and Kalaniana'ole Highway. This work shall be considered incidental to various contract items.
28. Contractor shall be responsible for transplanting the 6 existing trees to the designated location. The 3 Manila Palm trees shall be relocated along the median between East Hind Drive and Kirkwood Drive and the 3 Rainbow Showers shall be relocated withing the State Right-of-way on the mauka side of Kalaniana'ole Highway between Hawaii Kai Drive and Keahole Drive.

DEPARTMENT OF PARKS AND RECREATION (DPR) NOTES
(For Improvements at Wailupe Beach Park)

1. The Contractor shall obtain a Right-of-Entry to Parks Permit prior to construction.

2. Locations of all existing utilities shown are approximate only. The Contractor shall exercise extreme caution in excavating near utilities. Any and all damage shall be immediately repaired and/or restored to its original condition by the Contractor at his cost. Utilities shall include but not limited to electrical, telephone, sewer, water, and irrigation systems, etc.
3. Except for portions of the area affected by this contract, the park will be in continuous use by the public. The Contractor shall provide full cooperation with the Department of Parks and Recreation to effectively maintain such use of the park facilities. Contact Parks Maintenance and Recreation Services District I Superintendent, phone no. 973-7250, two weeks prior to start of work.
4. For all depressions, low spots, uprooted areas and problem spots as determined by DPR's Officer-in-Charge, the Contractor shall restore all affected areas acceptable to DPR's Officer-in-Charge.
5. All tree relocation and tree pruning (top and root) shall be done under the direct supervision of an arborist certified by the International Society of Aboriculture. Extensive root pruning may require top pruning to properly balance and compensate for water loss. All work shall be done under the observation of the Beautification Division, Department of Parks and Recreation. Contractor shall notify the Beautification Administrator, phone 971-7151, seven days prior to start of work.
6. Maintenance of affected trees and grassing shall be for a minimum of 60 calendar days.
7. All affected trees shall be guaranteed for one year. Contractor shall replace with the same size and species if any tree fails to survive by the end of one year.
8. Parking and driving of vehicles and storage of materials within the driplines of trees and within the area under DPR jurisdiction shall be prohibited.
9. The existing irrigation system shall be repaired and/or relocated as shown and/or as noted on the plans and in accordance with the standard specifications for Irrigation and Water Systems of the Department of Parks and Recreation, City and County of Honolulu.
10. Existing Sprinkler heads and quick connect valves may be buried. The locations of existing water and sprinkler lines, heads and valves as shown are approximate only. The Contractor shall locate, expose, and verify these existing facilities prior to commencing with work.
11. The Contractor shall perform the relocation work in such a manner so shutting down of the existing water and sprinkler lines are kept to a minimum and adjust sprinklers to assure proper coverage and operation.
12. Coordinate all sprinkler relocation work with the Parks Maintenance and Recreation Services Superintendent. The Contractor shall maintain all areas affected by his operations, including those areas outside his construction area that may be affected.
13. No tracked vehicles or equipment allowed.
14. The Contractor shall restore all damage caused by his operations to original condition or better at his own expense. All restoration work to be done in accordance with Department of Parks and Recreation Standards and acceptable to DPR's Officer-in-Charge.

LEGEND

	Reconstruction Areas		Existing Sewer Line
	Leveling Areas		New 12" Sewer Line
	Cold Planing Areas		Existing Sewer Manhole
	Resurfacing Limits		Adjusted Sewer MH Frame/Cover
	Existing Electrical Line		New Sewer Manhole
	New Electrical Line		Existing 6" Gas Line
	Existing Joint Pole		New 6" Gas Line
	Existing Power Pole		Existing Gas Valve Box
	Existing Electric Manhole		Adjusted Gas Valve Box
	Adjusted Elec. MH Frame/Cover		New Gas Valve Box
	New Electric Manhole		Existing Gas Manhole
	Existing Underground Telephone Line		Adjusted Gas MH Frame/Cover
	Existing Overhead Telephone Line		New Gas Manhole
	New Telephone Line		Existing Monument
	Existing Telephone Pole		Adjusted Monument
	Existing Telephone Manhole		New Monument
	Adjusted Tele. MH Frame/Cover		Existing 24" Drain Line
	New Telephone Manhole		New 24 " RCP Drain Line
	Existing Signal Corps Line		Existing Storm Drain Manhole
	New Signal Corps Line		Adjusted Storm Drain MH Frame/Cover
	Existing 12" Water Line		New Storm Drain Manhole
	New 12" Water Line		Existing Grated Drop Inlet
	Existing Water Manhole		Existing Catch Basin
	Adjusted Water MH Frame/Cover		Existing Traffic Sign
	New Water Manhole		Existing Highway Lighting Standard
	Existing Water Air Valve		Existing Transformer Box
	Adjusted Water Air Valve		Existing Tree to be Trimmed of Lowest Branches
	New Water Air Valve		
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	New Water Valve Box		
	Existing Water Meter		
	Adjusted Water Meter		
	New Water Meter		
	Existing Fire Hydrant		
	New Fire Hydrant		
	Adjusted Fire Hydrant		

APPROVED:(For Improvements at Wailupe Beach Park)

CHIEF, FACILITY DESIGN & ENGINEERING
C&C DEPT. OF DESIGN & CONSTRUCTION

7/30/99

DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KALANIANA'OLE HIGHWAY RESURFACING
Ainako'a Avenue to West Hind Drive
Federal-Aid Project No. NH-072-1(47)

Scale: None Date: Aug., 1999

SHEET No. 1 OF 1 SHEETS