

GENERAL NOTES

1. This project includes reconstructing and resurfacing of the existing pavement, including ramp areas; cold planing; adjusting utility manholes, water valves and centerline and reference survey monuments; replacing signs and reflector markers and installing pavement markings.
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: Subsections 104.04 - Maintenance of Traffic, 107.13 - Public Convenience and Safety, 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, or reconstructed 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. 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. This work will be paid for under Item No. 401.0400 Asphalt Concrete Pavement Mix No. IV.
11. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Item No. 401.0500, Asphalt Concrete Pavement, Mix No. V.
12. The Contractor shall provide safe access to and from all existing driveways and streets at all times.
13. Existing drainage system will be functional at all times during construction. 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, and will not be paid for separately.
14. The Contractor shall not use a cold planer when removing A.C. over existing concrete gutters. The Contractor shall remove the A.C. without incurring any damage to the existing concrete gutter. This work shall be considered incidental to cold planing and will not be paid for separately.

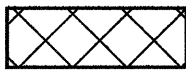
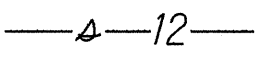
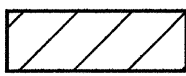
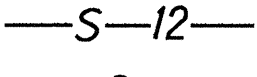
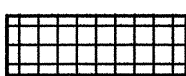
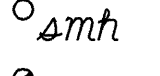


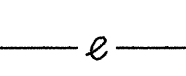
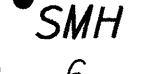
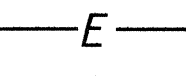


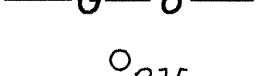
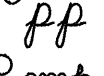
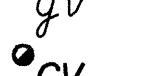
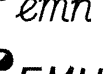
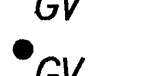

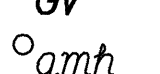


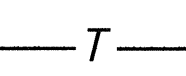
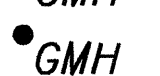
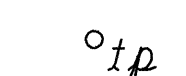
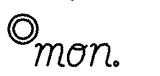
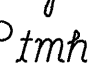




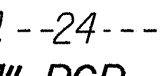
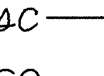
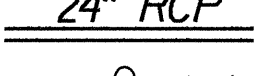
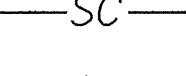
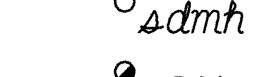
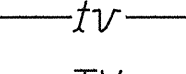

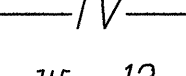
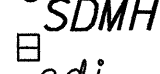
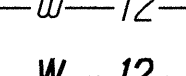
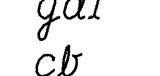
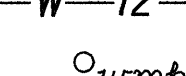
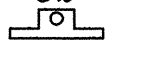

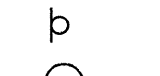




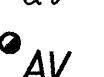
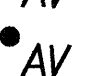
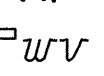


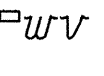


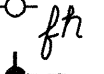
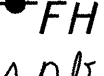
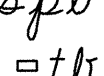
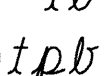



15. The Contractor shall be responsible for referencing the reconstruction areas, the cost of which shall be considered incidental to the reconstruction work. The exact location of the reconstruction areas shall be determined in the field by the Engineer.
16. The contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items, and will not be paid for separately.
17. Base Course shall be either Plant Mix Asphalt Concrete Base Course, Recycled Plant Mix Asphalt Concrete Base Course or Plant Mix Glassphalt Concrete Base Course. Selection will be based on the least expensive base course alternative.

COLD PLANING NOTES

1. All saw cutting work shall be considered incidental to Cold Planing and will not be paid for separately.
2. The exact locations and limits of areas to be cold planed shall be determined in the field by the Engineer.
3. Prior to cold planing over an existing structure, the Contractor shall determine the actual depth of the existing asphalt concrete pavement. The Contractor shall take several cross section measurements throughout the structure. If the thickness of the existing pavement is less than the proposed resurfacing thickness, the Contractor shall remove the existing pavement to the level of the structure and resurface to the original thickness. This work shall be considered incidental to cold planing, and will not be paid for separately.
4. In cold planing the pavement over a structure, the Contractor shall exercise care not to damage any portion of the structure, especially the slab, joints, drain pipes or reinforcement. Any damage to the structure during the cold planing operations shall be repaired by the Contractor at his own expense. Repair work shall be as directed by the Engineer. The Contractor shall verify the existing pavement thickness by hand digging at various locations. This work shall be considered incidental to cold planing, and will not be paid for separately.
5. Exposure of existing aggregate base is expected when cold planing deeper than 4 inches. The Contractor shall pave over exposed existing aggregate base with the new Base Course at the end of each day. Contractor shall compact the existing aggregate base in accordance with Section 304 - Aggregate Base Course and apply Prime Coat in accordance with Section 408 - Prime Coat, prior to laying the New Base Course. This work shall be considered incidental to the new Base Course, and will not be paid for separately.
6. The vertical pavement drop-off shall not exceed 3-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 12:1 minimum transition taper for transverse drop-off and no steeper than 6:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to Cold Planing.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7413(1)	1994	3	18

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 Telephone Line		Adjusted Gas MH Frame/Cover
	New Telephone Line		New Gas Manhole
	Existing Telephone Pole		Existing Monument
	Existing Telephone Manhole		Adjusted Monument
	Adjusted Tele. MH Frame/Cover		New Monument
	New Telephone Manhole		Existing 24" Drain Line
	Existing Signal Corps Line		New 24 " RCP Drain Line
	New Signal Corps Line		Existing Storm Drain Manhole
	Existing TV Cable		Adjusted Storm Drain MH Frame/Cover
	New TV Cable		New Storm Drain Manhole
	Existing 12" Water Line		Existing Grated Drop Inlet
	New 12" Water Line		Existing Catch Basin
	Existing Water Manhole		Existing Traffic Sign
	Adjusted Water MH Frame/Cover		Existing Highway Lighting Standard
	New Water Manhole		
	Existing Water Air Valve		
	Adjusted Water Air Valve		
	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		
	Existing Traffic Signal Pull Box		
	Existing Telephone Box		
	Existing Telephone Pull Box		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

LILIHA STREET RESURFACING  
North King Street To H-1 Overpass  
F.A. PROJECT NO. STP-7413 (1)

Date: Sept., 1993

SHEET No. 1 OF 1 SHEETS