GENERAL NOTES

- 1. The scope of work for this project consists of cold planing, replacing damaged curb \$\psi\$ gutter, installing concrete bus pads drainage improvements, resurfacing, reconstruction of weakened pavement areas, adjusting utility manholes, installing loop detectors, striping and pavement markings, transverse duct crossings and traffic signal interconnect cable.
- 2. The Contractor is reminded of the requirements of Subsection 108.01 Subcontracting, which requires him to perform work amounting 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 bids.
- 3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 Contractor Duty Regarding Public Safety; Subsection 107.21 Utilities And Services; and Section 645 Work Zone 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.
- 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. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at the Contractor's expense.
- 6. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation as necessary. All cost associated with the temporary relocation shall be borne by the Contractor.
- 7. 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 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.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 10. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Superpave Asphalt Concrete. This work shall be considered incidental to Superpave Asphalt Concrete Pavement, and will not be paid for separately.
- 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 Asphalt Concrete Pavement, Mix No. V. (Leveling Course). Minimum depth for the use of leveling course shall be ½ inch.
- 12. Smooth riding connections shall be constructed at all limits of resurfacing and reconstruction, 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.
- 13. Dressing of shoulder and sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved adjacent areas 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.

- 14. 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.
- 15. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- 16. The contractor shall provide for access to and from all existing side streets and driveways at all times.
- 17. All saw cutting work shall be considered incidental to Roadway Excavation.
- 18. Contractor shall dispose or deliver any removed material at no cost to the State.
- 19. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade. This work shall be considered incidental to the various contract items.
- 20. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resuface and/or repair all such ponding areas. Corrective measures shall be approved by the Engineer.
- 21. 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 a location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the right-of-way from the State Highways Right-of-Way Branch at telephone no. 692-7332.
- 22. Tack coat shall be incidental to the various Asphalt Concrete Pavement items.
- 23. 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 vacuum sweepers. Use of power brooms to sweep road is not allowed if a dust nuisance is created.
- 24. The Contractor shall obtain all necessary permits prior to start of work at his own cost.
- 25. The Contractor shall submit maintenance plans and schedules, including traffic detours, road or lane closures, lane switches, and the placement of temporary traffic control devices, to the Engineer for acceptance prior to construction.
- 26. During non-working hours, the trenches on all streets shall be covered using 1-inch thick steel plates with non-skid surfaces and all lanes maintained open for traffic.
- 27. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.

PUBLIC HEALTH, SAFETY, AND CONVENIENCE:

- 1. The Contractor shall observe and comply with all federal, state and local laws required for the protection of public health and safety and environmental quality.
- 2. The Contractor at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the Air Pollution Standards and Regulations of the State Department of Health. The City shall require supplementary measures as necessary.
- 3. Contractor shall provide, install and maintain all necessary signs, lights, flares barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection, convenience, and safety of the public.

FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL SHEET TOTAL SHEETS

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LEGEND

	A.C. Reconstruction Areas		Existing Utility Box
	Resurfacing Limits	00.0 0 / 0	Existing Fuel Line
	New PCC Bus Pad Pavement		Existing 6" Sewer Line
	Existing Signal Corpline		Existing 12" Sewer Line
e	Existing Electrical Line		Existing 16" Sewer Line
$^{\circ}$ pp	Existing Power Pole		Existing 24" Sewer Line
∘ <i>emt</i> h	Existing Electric Manhole		Existing 32" Sewer Line
• EMH	Adjusted Electric Manhole		Existing 34" Sewer Line
\Box_{ebox}	Existing Electric Box		Existing 36" Sewer Line
—— t ——	Existing Telephone Line		Existing 69" Sewer Line
○ tmħ	Existing Telephone Manhole	° <i>⊅mh</i>	Existing Sewer Manhole
[©] TMH	Adjusted Telephone Manhole	° SMH	Adjusted Sewer Manhole
\Box_{tbox}	Existing Telephone Box	°sdmh	Existing Storm Drain Manhole
w6	Existing 6" Water Line	⊘ SDMH	Adjusted Storm Drain Manhole
w8	Existing 8" Water Line	\Box cdi	Existing Concrete Drainage Inlet
w12	Existing 12" Water Line	$c b_{c}$	Existing Catch Basin
°wmh	Existing Water Manhole	44.0	Existing 12" Drain Line
° wm	Existing Water Meter	d18	Existing 18" Drain Line
™ WMH	Adjusted Water MH Frame/Cover	— d30—	Existing 30" Drain Line
° wv	Existing Water Valve		Existing Highway Lighting Standar
• WV	Adjusted Water Valve Frame/Cover	□ topb	Existing Traffic Signal Pullbox
-6-fh	Existing Fire Hydrant	I TSPB	Adjusted Traffic Signal Pullbox
~ .	Existing 1" Gas Line	© mon	Existing Monument
•	Existing 11/4" Gas Line		Adjusted Monument
•	Existing 2" Gas Line		
—— g4 ——	Existing 4" Gas Line		

PAVING AROUND MANHOLES:

- 1. The Contractor shall first lower manholes more than $2\frac{1}{2}$ " prior to cold planing. The work shall be considered incidental to the various paving contract items. Upon final paving, the manhole shall be raised and paid under various contract items pertaining to manhole adjustments.
- 2. The Contractor shall place hot asphalt concrete around manholes and compact properly with a vibrating plate compactor.
- 3. If a plate compactor is not used, the Contractor shall use a pneumatic roller to roll the area around the manhole which is not rolled by the steel roller.
- 4. The Contractor shall fog seal or brush emulsion seal on the material placed as backfill on the area around the manhole that was not compacted by the roller. Black sand shall be used to blot out the area if the fog is too heavy.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING Fort Street to Piikoi Street Project No. 92AB-01-06M

Date: April 2006

SHEET No. 1 OF 1 SHEETS

