

GENERAL NOTES:

- The scope of work for this project includes reconstructing AC and PCC pavement; lifting of existing PCC pavement; installing micropiles, drilled shafts, guardrail, highway lighting, signs, communication conduits and pullboxes, and pavement markings; upgrading drainage grates and Waimalu Viaduct bridge railings and end posts; repairing spalling on the Waimalu Viaduct Bridge parapet; relocating drainline; cleaning existing culverts; maintaining landscaping areas; repairing existing sprinkler system; and traffic control.
- 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 bid.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.21 - Contractor's Responsibility for Utility Property and Services; and Section 645 - Traffic Control.
- At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic. Vacuum or collect all dust on the pavement in that day's work area. Remove any construction material, waste, and debris.
- 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 costs associated with temporary relocations shall be borne by the Contractor.
- Existing drainage system shall be kept 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 Item 645.1000 Traffic Control.
- Existing concrete structures, such as manholes, culverts, channels, etc., which are designated to be removed or are in conflict with proposed construction shall be removed to a depth of not less than 3 feet below finish grade in roadway and not less than 1.5 feet below finish grade in other areas.
- Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
- All saw cutting work will not be measured or paid for separately, but shall be incidental to the various contract items. This includes proper removal of any slurry or waste generated by the cutting operation.
- 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.
- The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes in that day's work area prior to the overlay of Asphalt Concrete. This work shall be considered incidental to Item 401.0500 - Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately. Removal of pavement markers shall be limited to the amount that can be replaced during that day's shift.

- When excavating in close proximity to walls, fences, and other improvements, the Contractor shall protect, support, secure, and take all precautions to prevent damaging these facilities and improvements.
- The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
- For overlay areas, existing AC pavement shall be cold-planed as necessary to permit installation of SMA of not less than 2 inches thick.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- Smooth riding connections shall be constructed at all limits of construction according to the Contract or as directed by the Engineer. This work will not be measured or paid for separately, but shall be considered incidental to the various contract items.
- The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Honolulu, HI 96819 (Ph.# 848-4571) seven (7) days prior to any paving operations.
- No material or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations shown on the plans or designated in writing and approved by the Engineer.
- Contractor shall dispose or deliver any removed material to a location acceptable to the Engineer at no cost to the State.
- Tack coat shall be incidental to the various Asphalt Concrete Pavement items.
- The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
- As soon as the work in one area is completed, the Contractor shall restore grades and groundcover to a condition equal or better than existing condition prior to construction. Any rilling found shall be filled to provide a smooth slope.
- All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. The Contractor shall be held liable for any damages incurred to the existing utilities 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 no cost to the State.
- For night work, the Contractor shall follow all work hours, conditions, and other restrictions as specified in the noise variance and the special provisions.
- Locations of existing joints in PCC Pavement shown on Roadway Plans are approximate. Contractor shall verify actual joint locations to determine limits of PCC Pavement Reconstruction Areas.
- All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items and shall not be paid for separately.
- The Contractor shall maintain all street lighting within the project limits at no cost to the State. All street lights shall be operating within 24 hours of discovery of a malfunction.
- The Contractor shall submit a work plan detailing how it will deal with rainfall.

ABBREVIATIONS:

AC	Asphalt Concrete
ASB	Aggregate Subbase
BC	Bottom Curb Elevation
⊕	Baseline
C	Long Chord
Clr.	Clear
Conc.	Concrete
DMH	Drain Manhole
e.p.	Existing Edge of Pavement
e.s.	Existing Edge of Shoulder
EB	Eastbound
ES	Edge of Shoulder
GCB	Glassphalt Concrete Base
IB	Inbound
Inv.	Invert Elevation
L	Length of Curve
Lt.	Left of ⊕
M.L.	Matchline
N	North
NTS	Not to Scale
OB	Outbound
o.c.	On Center
PC	Point of Curvature
PCC	Portland Cement Concrete
PI	Point of Intersection
PT	Point of Tangency
R	Radius
R/W	Right-of-Way
Rt.	Right of ⊕
s.e.	Superelevation
SMA	Stone Matrix Asphalt
Sta.	Station along ⊕
T	Tangent Distance
WB	Westbound

LEGEND:

	AC Pavement Resurfacing Areas Cold Plane as Required 2" SMA 2" AC Mix IV GCB as Required
	Shoulder Lane Reconstruction Areas 2" SMA 2" AC Mix IV 7" GCB 7" ASB
	AC Pavement Reconstruction Areas 2" SMA 2" AC Mix IV 10" GCB 10" ASB
	Shoulder Lane AC Overlay Areas 2" Min. Cold Plane 2" Min. SMA Bituminous Tack Coat
	PCC Pavement Reconstruction Areas 9", 9 1/2", or 10" PCC
	AC Overlay Resurfacing Areas Cold Plane as Required 2" SMA Bituminous Tack Coat
	Approach Slab Reconstruction Area with Micropile Foundation
	PCC Pavement Lifting Areas
	Right-of-Way
	Approx. Location of Existing Joint in PCC Pavement

DESIGNED BY	DATE
CHECKED BY	DATE
IN CHARGE	DATE
NOTED BY	DATE
DATE	

16/00E H-1 REHAB/MISC/NOTES/LEGEND

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Daniel M. Uehara

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**GENERAL NOTES, LEGEND
AND ABBREVIATIONS**

INTERSTATE ROUTE H-1 REHABILITATION
EASTBOUND LANES
WAIKAI INTERCHANGE TO KAIKAKANI STREET

Scale: None Date: Jan. 24, 2006

SHEET No. 62 OF 7 SHEETS