

GENERAL NOTES


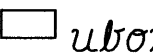

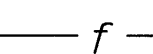

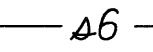

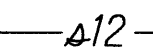
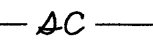
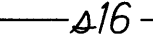
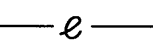
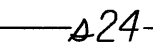

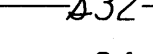

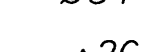

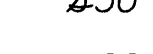
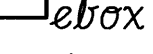
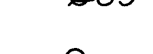
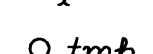


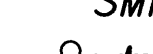
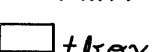

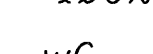
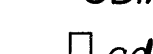
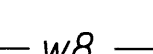
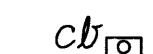
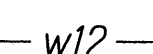
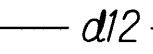

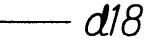
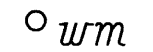
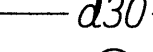


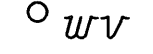


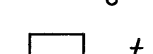
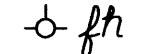
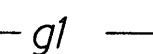
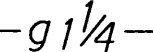
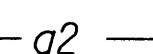
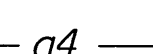

1. The scope of work for this project consists of cold planing, resurfacing, reconstructing weakened pavement areas, replacing damaged curb & gutter, installing concrete bus pads, reconstruction of sidewalks, adjusting utility manholes and pullboxes, installing loop detectors, striping and pavement markings, transverse duct crossings, traffic signal interconnect cable, highway lighting conduit, installing new lighting foundations and poles, upgrading bridge rails and end posts and undergrounding utility lines.
2. The Contractor is reminded of the requirements of Subsection 105.16 - 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 104.09 - Maintenance of Traffic; Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience 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. 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.
8. 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.
9. 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 1/2 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 time 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 and maintain for access to and from all existing sidewalks, ADA access routes complying with ADAAG section 4.3, and cross streets at all times. This work shall be considered incidental to Asphalt Concrete Pavement and will not be paid for separately.
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 resurface 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.
28. Existing concrete sidewalk shall be saw cut at scorelines prior to reconstructing the sidewalk. Actual location of the scoreline shall be determined in the field. Saw cutting shall be considered incidental to reconstructing the sidewalk.
29. Contractor shall sawcut around the columns of all bus shelter. This work shall be considered incidental to new sidewalk.
30. All sidewalk trenching for installation of electrical conduits shall be repaired to the entire width. This work shall be considered incidental to various contract items. See electrical plans for further notes.
31. All utility on sidewalk shall be adjusted to the new finished sidewalk grade. This work shall be consider incidental to new sidewalk.
32. The Contractor shall obtain approval of the archaeological monitoring plans from State Historic Preservation Office before commencing work.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	3	302

33. The Contractor shall provide and maintain for access to and from all existing sidewalks, ADA access routes complying with ADAAG Section 4.3 and cross streets at all times. This work shall be considered incidental to new sidewalk and will not be paid for separately.
34. The Contractor shall notify the Hawaii One Call Center (HOCC) at 1-866-423-7287 for excavation or drilling at least five (5) working days, but not more than twenty-eight (28) calendar days prior to commencing excavation or drilling work in accordance with Hawaii Revised Statutes Chapter 269E. The Contractor shall provide the HOCC, a description of the site, that includes the county and address or description of where the excavation or drilling will take place, including but not limited to the nearest intersecting street, side street, or other tie-in measurements as needed. The Contractor shall not begin excavation or drilling operations without prior clearances from HOCC.

LEGEND

	A.C. Reconstruction Areas		Existing Utility Box
	Resurfacing Limits		Existing Fuel Line
	New PCC Bus Pad Pavement		Existing 6" Sewer Line
	Sidewalk Reconstruction Areas		Existing 12" Sewer Line
	Existing Signal Corpline		Existing 16" Sewer Line
	Existing Electrical Line		Existing 24" Sewer Line
	Existing Power Pole		Existing 32" Sewer Line
	Existing Electric Manhole		Existing 34" Sewer Line
	Adjusted Electric Manhole		Existing 36" Sewer Line
	Existing Electric Box		Existing 69" Sewer Line
	Existing Telephone Line		Existing Sewer Manhole
	Existing Telephone Manhole		Adjusted Sewer Manhole
	Adjusted Telephone Manhole		Existing Storm Drain Manhole
	Existing Telephone Box		Adjusted Storm Drain Manhole
	Existing 6" Water Line		Existing Concrete Drainage Inlet
	Existing 8" Water Line		Existing Catch Basin
	Existing 12" Water Line		Existing 12" Drain Line
	Existing Water Manhole		Existing 18" Drain Line
	Existing Water Meter		Existing 30" Drain Line
	Adjusted Water MH Frame/Cover		Existing Highway Lighting Standard
	Existing Water Valve		New Highway Lighting Standard
	Adjusted Water Valve Frame/Cover		
	Existing Fire Hydrant		
	Existing 1" Gas Line		
	Existing 1 1/4" Gas Line		
	Existing 2" Gas Line		
	Existing 4" Gas Line		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
NIMITZ HIGHWAY AND
ALA MOANA BOULEVARD RESURFACING
AND HIGHWAY LIGHTING REPLACEMENT
Fort Street to Kalakaua Avenue
Federal Aid Project No. NH-092-1(27)
Date: March 2007
SHEET No. 1 OF 2 SHEETS

