

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65AB-01-04M	2012	ADD.3	81

1. The project includes cold planning and resurfacing of existing pavement; reconstructing weakened pavement areas and shoulders; constructing new curb, curb and gutter, sidewalk, and curb ramps; upgrading drainage facilities; adjusting manhole and valve box frame and cover; installing guardrail, loop detectors, pavement markings, signing and striping.

2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work 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.

3. The Contractor's attention is directed to the following Sections: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; 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.

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 tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for seperately. 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 Contractor shall notify, the Department of Transportation Services, Public Transit Division at 768-8396 and Oahu Transit Services, Inc. (bus operations: 848-4578 or 852-6016 and para-transit operations: 454-5041 or 454-5020) of the scope of work, location, proposed closure of Kaneohe Bay Drive, traffic lane, sidewalk, or bus stop and duration of project at least two weeks prior to construction.

7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.

8. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.

9. Earth swale shall be graded to drain. This work shall be considered incidental to various contract items.

10. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to asphalt concrete and will not be paid for separately.

11. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This includes any slurry or waste generated by the cutting operations. This work shall be considered incidental to bulk of work or the various contract items and will not be paid for separately.

12. Removal and disposal of existing guardrail, curb, curbbramp, driveway, asphalt concrete pavement, sidewalk and any debris shall be considered incidental to their respective bid items.

13. All saw cutting work including slurry or waste generated by cutting operation shall be considered incidental to Roadway Excavation or Asphalt Concrete or Various Contract Items or their respective bid items.

14. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.

215. The top of the Hot Mix Asphalt Base Course prior to placement of the new A.C. Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16."

16. Concrete sidewalk shall be reinforced with 6x6 W1.4xW1.4 welded wire fabric.

17. Dressing of sidewalk shall consist of clearing and grubbing, grading, reshaping and compacting with suitable material the area adjacent to the improvement, matching existing grass type species on site as shown on the plans and/or as directed by the Engineer and shall be considered incidental to Sidewalk.

18. All curbing angle points within the curb ramps shall be rounded with R=6."

19. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times; shall coordinate with adjacent property owners including possible unavoidable closure of access to/from businesses/homes and notify users and adjacent property owners 5 working days in advance prior to reconstruction/paving the driveways/roadways. This work shall be considered incidental to curb ramps, or sidewalk,or the various contract items and will not be paid for separately.

20. Provide smooth transition where new sidewalk construction meets the existing grade or sidewalk. Transition shall not be steeper than 2% cross and longitudinal slopes and not less 6.0 feet long or as specified on the plans. This work shall be considered incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for separately.

21. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed in writing and approved by the Engineer. If use of location is approved by the engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the Oahu District Office at telephone no. 831-6712.

22. The exact locations and limits or areas to be reconstructed and cold planed shall be determined in the field by the Engineer.

23. All cold planed and excess materials not used for this project shall become the property of the Contractor. If disposed of, it shall be in accordance with the Environmental Protection Agency's policies and guidelines. This work shall be considered incidental to the various contract items and will not be paid for separately.

24. Construct asphalt concrete surface at new guardrail installation according to Guardrail Details and Notes plan sheet.

25. 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.

26. The Contractor shall maintain all street lights within the project limits at no cost to the State. All street lights shall be operating within 24 hours of discovery of a malfunction.

27. Dressing of shoulder shall be considered incidental to the various contract items.

28. The Contractor shall coordinate with property owners about trimming existing tree and/or shrubberies fronting their properties. This work shall be paid for under Maintenance of Existing Landscape Areas item.

29. 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.

30. New Curb, Type 6 shall be painted white. This work shall be considered incidental to Curb, Type 6 item.

31. Additional Detectable Warning Mats shall be considered incidental to Curb Ramp items.
- 6/8/12

2 Revised general note 15
- DATE

REVISION
- STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES

KANEOHE BAY DRIVE REHABILITATION

Kamehameha Highway to Nanamoana Street

Project No. 65AB-01-04M

Date: May, 2012
- SHEET No. 1

OF 2

SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	X
add given sketch	TRACED BY	
sketch only	DESIGNED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65AB-01-04M	2012	4	81

DRAINAGE NOTES:

- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.
- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
- For added reinforcing around culverts at new drainage structures, see Standard Plan H-04.
- Chamfer all exposed concrete edges 1".
- Grading around Type "1211216P" GDI shall not be paid for separately, but shall be considered incidental to Type "1211216P" GDI.

PAVING AROUND MANHOLES/VALVE BOXES:

- The Contractor shall place hot asphalt concrete around manholes/valve boxes and compact properly with a vibrating plate compactor.
- If a plate compactor is not used, the Contractor shall use a pneumatic roller to roll the area around manholes/valve boxes which are not rolled by the steel roller.
- Work paving around manholes/valve boxes in the travelway will be considered incidental to asphalt concrete item and will not be paid separately.

LEGEND

	Ramp Number		Existing 6" Gas Line
	Technical Infeasibility		Existing Gas Valve Box
	Reconstruction Areas		Adjusted Gas Valve Box
	Resurfacing & Cold Planing Limits		Existing Gas Manhole
	Existing Electrical Line		Adjusted Gas MH Frame/Cover
	Existing Joint Pole		Existing Monument
	Existing Power Pole		Adjusted Monument
	Existing Electric Manhole		Existing 24" Drain Line
	Existing Electric Pullbox		New 24 " RCP Drain Line
	Existing Telephone Line		Existing Storm Drain MH
	Existing Telephone Pole		Adjusted Storm Drain MH Frame/Cover
	Existing Telephone Manhole		Existing Grated Drop Inlet
	Existing Signal Corps Line		Existing Catch Basin
	Existing TV Cable		Adjusted Catch Basin
	Existing 12" Water Line		Existing Traffic Sign
	Existing Water Manhole		Existing Highway Lighting Standard
	Adjusted Water MH Frame/Cover		Existing Traffic Signal Pole
	Existing Water Air Valve		Existing Traffic Signal Pullbox
	Adjusted Water Air Valve		Existing Metal Guardrail
	New Water Air Valve		New Metal Guardrail
	Existing Water Valve Box		Existing Tree
	Adjusted Water Valve Box		Existing Fence
	Existing Water Meter		New Elevation
	Adjusted Water Meter		Existing Elevation
	Existing Fire Hydrant		
	Existing Sewer Line		
	Existing Sewer Manhole		
	Adjusted Sewer MH Frame/Cover		

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
QUANTITIES BY	CHECKED BY	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>GENERAL NOTES</b>
<b>KANE OHE BAY DRIVE REHABILITATION</b>
<b>Kamehameha Highway to Nanamoana Street</b>
<b>Project No. 65AB-01-04M</b>
<b>Date: May, 2012</b>
<b>SHEET No. 2 OF 2 SHEETS</b>