

GENERAL NOTES

1. The scope of work for this project consists of resurfacing, replacing existing damage curb and gutter, reconstructing existing drainage structures, adjusting utility manholes and pullboxes, upgrading guardrails, installing concrete bus pads, curb ramps, sidewalks, underdrains, landscaping, irrigations, loop detectors, striping and pavement markings.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, 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.
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 - 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 be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
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 relocations, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.
7. 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.
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 Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, with Warm Mix Processes and will not be paid for separately.
11. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Warm Mix Processes prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, with Warm Mix Processes.
12. Tack coat shall be incidental to the various Asphalt Concrete Pavement items.
13. Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders 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 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 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 vehicles and pedestrians access to and from all existing side streets and driveways at all times.
17. All saw cutting work will not be measured or paid for separately, but shall be incidental to the various contract items.
18. 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.
19. All regraded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 619 - Planting. Contractor shall restore to its original condition at no cost to the State.
20. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
21. No material or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations designated in writing and approved by the Engineer.
22. Contractor shall dispose or deliver any removed material at no cost to the State.
23. 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.
24. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the other various contract items and shall not be paid for seperately.
25. 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 seperately.
26. Removal and disposal of existing curb and gutter, guardrail, sidewalk and asphalt concrete pavement, and any debris shall be considered incidental to their respective bid items.
27. The Contractor might encounter cement treated base when cold planing from Sta. 62+00± to Sta. 73+04.30±. Any additional costs shall be considered incidental to the various contract items.
28. The bus pads shall have dowels into the existing curb and gutter.

PAVING AROUND MANHOLES

1. The Contractor shall place hot asphalt concrete around manholes and compact properly with a vibrating plate compactor.
2. 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.
3. 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.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-K(010)	2011	ADD.3	52

LEGEND

	Resurfacing Limits		Existing 6" Sewer Line
	A.C. Reconstruction Areas		Existing 8" Sewer Line
	New PCC Bus Pad Pavement		Existing 24" Sewer Line
	Existing Electrical Line		Existing Sewer Manhole
	Existing Electrical Overhead Line		Adjusted Sewer MH Frame/Cover
	Existing Electric Pole		Existing 6" Gas Line
	Existing Joint Pole		Existing Gas Valve Box
	Existing Power Pole		Adjusted Gas Valve Box
	Existing Electric Manhole		Existing Gas Manhole
	Adjusted Elec. MH Frame/Cover		Adjusted Gas MH Frame/Cover
	Existing Telephone Line		Existing Monument
	Existing Telephone Pole		Adjusted Monument
	Existing Telephone Manhole		Existing 24" Drain Line
	Adjusted Tele. MH Frame/Cover		Existing 36" Drain Line
	Existing Signal Corps Line		Existing 48" Drain Line
	Existing Oceanic Cable		Existing Storm Drain Manhole
	Existing TV Cable		Adjusted Storm Drain MH Frame/Cover
	Existing 4" Water Line		Existing Grated Drop Inlet
	Existing 8" Water Line		Existing Catch Basin
	Existing 12" Water Line		Existing Traffic Signal Box
	Existing 20" Water Line		Existing Traffic Signal Pole
	Existing 24" Water Line		Existing Traffic Sign
	Existing Water Manhole		Existing Highway Lighting Standard
	Adjusted Water MH Frame/Cover		Existing Irrigation Controller And Valve
	Existing Water Air Valve	M.S.R.	Mokapu Saddle Road
	Adjusted Water Air Valve	M.B.	Mokapu Boulevard
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	Existing Water Meter		
	Adjusted Water Meter		
	Existing Fire Hydrant		

1/17/12 Added General Note #28.

DATE	REVISION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND
MOKAPU SADDLE ROAD and
MOKAPU BOULEVARD RESURFACING
Kapaa Quarry Road to North Kalaheo Avenue
M.P. 2.97 to M.P. 4.15
Federal Aid Project No. STP-065-K(010)
Scale: None Date: April, 2011

SHEET No. 1 OF 1 SHEETS

GENERAL NOTES

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C.O. Section 1

C.O. Section 2

C.O. Section 3

C.O. Section 4

Resurfacing Limits

A.C. Reconstruction Areas

New PCC Bus Pad Pavement

Existing Electrical Line

Existing Electrical Overhead Line

Existing Electric Pole

Existing Joint Pole

Existing Power Pole

Existing Electric Manhole

Adjusted Elec. MH Frame/Cover

Existing Telephone Line

Existing Telephone Pole

Existing Telephone Manhole

Adjusted Tele. MH Frame/Cover

Existing Signal Corps Line

Existing Oceanic Cable

Existing TV Cable

Existing 4" Water Line

Existing 8" Water Line

Existing 12" Water Line

Existing 20" Water Line

Existing 24" Water Line

Existing Water Manhole

Adjusted Water MH Frame/Cover

Existing Water Air Valve

Adjusted Water Air Valve

Existing Water Valve Box

Adjusted Water Valve Box

Existing Water Meter

Adjusted Water Meter

Existing Fire Hydrant

LEGEND

Existing 6" Sewer Line

Existing 8" Sewer Line

Existing 24" Sewer Line

Existing Sewer Manhole

Adjusted Sewer MH Frame/Cover

Existing 6" Gas Line

Existing Gas Valve Box

Adjusted Gas Valve Box

Existing Gas Manhole

Adjusted Gas MH Frame/Cover

Existing Monument

Adjusted Monument

Existing 24" Drain Line

Existing 36" Drain Line

Existing 48" Drain Line

Existing Storm Drain Manhole

Adjusted Storm Drain MH Frame/Cover

Existing Grated Drop Inlet

Existing Catch Basin

Existing Traffic Signal Box

Existing Traffic Signal Pole

Existing Traffic Sign

Existing Highway Lighting Standard

Existing Irrigation Controller And Valve

M.S.R. Mokapu Saddle Road

M.B. Mokapu Boulevard

LEGEND FOR
AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

MOKAPU SADDLE ROAD and
MOKAPU BOULEVARD RESURFACING
Kapaa Quarry Road to North Kalaheo Avenue
M.P. 2.97 to M.P. 4.15

Federal Aid Project No. STP-065-1(010)

Scale: None Date: April, 2011

SHEET No. 1 OF 1 SHEETS

"AS-BUILT"

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