

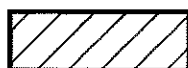
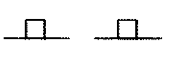


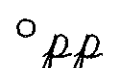


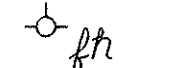





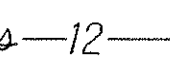
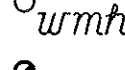
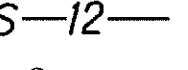

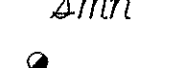

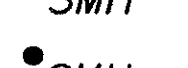

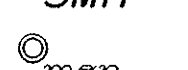




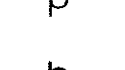
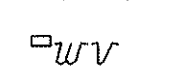





GENERAL NOTES

1. The scope of work for this project includes installing bike route signs and pavement marking; widening paved shoulders; constructing concrete gutter and grouted rubble paving; reconstructing existing paved driveway; hydro-mulch seeding; and dressing of shoulders.
2. The Contractor is reminded of the requirements of Subsection 108.01 - 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 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 - Work Zone Traffic Control Devices.
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 exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
7. All lanes shall be open to traffic during peak morning hours from 6:30 AM to 8:30 AM, during afternoon peak hours from 3:30 PM to 6:30 PM, and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the hours specified above shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting his operations.
9. Trimming and 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. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder, sidewalk or bus turnout. This work shall be considered incidental to the various contract items.
10. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
11. 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.
12. 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. This work shall be considered incidental to the various contract items.
13. All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
14. All asphalt concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the Contractor. The Contractor shall remove and dispose these materials at no cost to the State.
15. Any 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.

16. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.
- Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
17. 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 location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-of-Way Branch at telephone no. 692-7332.
18. All pavement markers and striping, and traffic signs and/or markers that are damaged, or removed by the Contractor as a result of his drainage improvement, pavement construction and shoulder widening operations shall be replaced by the Contractor. All such replacement work shall not be paid for separately but shall be considered incidental to the various contract items.
- Pavement marking and striping for bicycle lanes and pavement re-striping and marking between Pikake Street and Kanani Street as shown in the plans shall be paid for in accordance with the contract proposal.
19. All traffic signs and/or markers that are relocated by the Contractor as a result of his operations shall not be paid for separately but shall be considered incidental to the various contract items.
- Contractor shall not remove any existing traffic sign and/or marker without written approval from the Engineer.
20. Bike route signs shall be mounted with a vertical clearance of 10 feet between the bottom of the sign and edge of travel lane. See Std. Plan TE-09 for details.
21. Unless otherwise indicated, existing signs and markers within the project limits are not shown on the plans. Refer to Federal Aid Project No. NH-058-1(3) - Nawiliwili Road Resurfacing project plans for existing signs and markers.
22. Existing Speed Limit Signs (40 MPH and 35 MPH) between Aheae Street and Waapa Road/Kailikea Street shall be covered during project construction period.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-058-1(4)	2005	3	23

LEGEND

	Shoulder Widening Areas		Existing Metal Guardrail
	Pavement Reconstruction Areas		New Metal Guardrail
	Existing Power Pole		Adjusted Metal Guardrail
	Existing Street Light Post		Existing Fire Hydrant
	Existing Electrical Manhole		Adjusted Fire Hydrant
	Adjusted Electrical Manhole		New Fire Hydrant
	Existing Telephone Manhole		Existing Sewer Line
	Adjusted Telephone Manhole		New 12" Sewer Line
	Existing Water Manhole		Existing Sewer Manhole
	Adjusted Water Manhole		Adjusted Sewer Manhole
	Existing Water Air Valve		New Sewer Manhole
	Adjusted Water Air Valve		Existing Monument
	Existing Water Valve		Adjusted Monument
	Adjusted Water Valve		New Monument
	New Water Valve		Existing Water Meter
	Existing Traffic Sign		Adjusted Water Meter
	New Traffic Sign		

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	4/04
Field notes	DESIGNED BY	
Revised	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

NAWILIWILI ROAD BIKEWAY
Kaunualii Highway to Waapa Road
Fed. Aid Project No. CMAQ-058-1(4)

Date: April 2005

SHEET No. 1 OF 1 SHEETS