

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-07	2007	3	29

1. This project consists of widening the existing pavement; constructing paved shoulders; cold planing; pavement striping and marking; relocating existing signs; installation of New Guardrails and New Shoulder Rumble Strips.
2. Tack Coat shall be incidental to Asphalt Concrete Pavement Items.
3. Smooth riding connections shall be constructed at all connection to existing pavement as shown or as directed by the Engineer. Payment shall be incidental to Asphalt Concrete Pavement Item.
4. All volcanic ash within the roadway section and within 3-feet of finished pavement grade, shall be removed for the entire project. Payment for removal of volcanic ash shall be paid for under Item 203.0100 - Roadway Excavation.
5. Contractor shall ensure that existing monuments remain undisturbed.
6. The Contractor shall provide 6:1 feathered taper for any pavement drop-offs greater than 1 inch left unprotected overnight. Mitigating measures shall be considered incidental to Contract Items and no separate payment shall be provided. The length of the drop-off shall be up to a maximum of 1500 feet.
7. Contractor shall be responsible for all construction layout and reference staking. For project baseline data see Plan Sheet No. 17 and for project bench mark see Plan Sheet No. 12.
8. Transverse median marking (diagonal stripes) are shown throughout the plans for pictorial purposes only. Actual spacing shall be 20 ft. o.c. as shown on Standard Plan TE-31.
9. Contractor shall provide for 2-lanes at all times and shall submit site-specific traffic control plans and detour schedules a minimum of two weeks prior to work. Payment of workday traffic control, as shown in Section 645 - Traffic Control, shall be paid for under Item No. 645.1000- Traffic Control.
10. Contractor shall submit advisory sign shop drawing prior to fabrication and shall install advisory sign two weeks before start of construction in accordance with Subsection 645.03 of the Standard Specifications. Payment for Advisory Sign shall be incidental to Item No. 645.1000 - Traffic Control.
11. Public Notice is required for lane closures. Contractor shall submit the notice to the Engineer for acceptance a minimum of six weeks prior to publication. A draft notice may be submitted for pre-approval, with dates and times left blank.
12. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe traffic along the existing Kea'au-Pahoa Road, side roads, and private driveways. The Contractor shall restore striping, markers and signs as specified in Section 645 - Traffic Control and Subsection 107.13 - Public Convenience and Safety.
13. Contractor shall provide for access to and from all existing side streets and driveways at all times.
14. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.

15. Dressing of shoulder shall consist of clearing, grubbing, backfilling, grading and compacting the unpaved shoulder with suitable excavated material as shown on the plans and/or as directed by the Engineer. Such material shall be free of all organic and deleterious materials, with 100 percent passing the 3-inch sieve and less than 15 percent passing the No. 200 sieve. Use of on-site excavated material shall not be paid for separately and shall be considered incidental to the respective excavation pay item. After on-site materials have been exhausted, borrow excavation shall be used as directed by the Engineer and shall be paid for under Item No. 203.0210 - Borrow Excavated Material.
16. 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, except any items designated by the State in the contract as "specialty items". Non-compliance with this Subsection may be grounds for rejection of bid.
17. Contractor shall notify the State in writing, two (2) weeks prior to starting construction operations.
18. Existing pavement marking shall be removed by scraping, grinding or other method approved by the Engineer. Payment shall be incidental to Asphalt Concrete Pavement Items, unless otherwise provided for in the contract.
19. Existing drainage system will be functional at all times during construction. Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
20. All pavement saw cutting work shall be considered incidental to Asphalt Concrete Pavement Items. Saw cutting limits to be determined in the field by the Engineer.
21. In the plans, the initials "IBL" refer to "Inbound Lanes" (toward Kea'au) and the initials "OBL" refer to "Outbound Lanes" (away from Kea'au).
22. Contractor's attention is called to new highway policies regarding guardrail end treatments. Hardware requirements may change as the policy is revised. Prior to ordering materials, the Contractor shall submit a list of all guardrail end treatment hardware to the Engineer for review and approval. Changes shall be handled on a contract change order basis.
23. Location of existing underground structure and utility shown on the plans are approximate only. It is the responsibility of the Contractor to verify the location of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.

LEGEND

- ▮ New Traffic Sign
- ▮ Existing Traffic Sign
- R/W Right-of-Way
- e.p. Existing Edge of Pavement
- e.p.s. Existing Edge of Paved Shoulder
- e.s. Existing Edge of Shoulder
- E.P. New Edge of Pavement
- E.P.S. New Edge of Paved Shoulder
- E.S. New Edge of Shoulder

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	3/1/07
14/11/07	DESIGNED BY	
No. 50107A	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES
KEA'AU-PĀHOA ROAD
HIGHWAY ACCESS IMPROVEMENTS
Vicinity of Ka Ōhūwalu Street
Project No. 130B-01-07
Date: Oct. 2006
SHEET No. 1 OF 1 SHEETS