

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(24)	2000	3	55

1. This project consists of widening the existing pavement; constructing paved shoulders; resurfacing the existing pavement; extending two drainage culvert; installing waterline improvements and pavement striping and markers; adjusting centerline monuments; installing new signs; relocating existing signs and relocating two street lights.
2. Tack Coat shall be incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix IV.
3. Smooth riding connections shall be constructed at the Beginning and Ending of project, side roads and driveways as shown or as directed by the Engineer. Payment shall be incidental to Asphalt Concrete Pavement Item.
4. Existing pavement surface variable. Surface indicated is not intended to represent any specific location.
5. All volcanic ash within the roadway section and within 3-feet of finished pavement grade, shall be removed for the entire project.
6. Contractor shall ensure that existing U.S.G.S. monuments remain undisturbed until the Engineer has completed coordination with U.S.G.S. for relocation.
7. The Contractor shall provide mitigating measures in accordance with Section 107.14 - Barricades and Warning Signs, for any pavement drop-offs greater than 2 inches left unprotected overnight. Mitigating measures shall be considered incidental to Contract Items and no separate payment shall be provided. The Contractor shall limit the length of the drop-off to a maximum of 1500 feet.
8. Relocation of Utility Poles shall be done by others. Contractor shall coordinate his work schedule with Electric and Telephone Contractors in order to avoid unnecessary delays in the completion of the project as a whole. Contractor may also be required to work around existing Utility Poles until such time that the Utility Lines are permanently relocated and existing Utility Poles are removed.
9. Contractor shall be responsible for all construction layout and reference staking.
10. Relocation of mail boxes and newspaper dispensers will be paid for under Item No. 632.8020 - Relocated Mail Boxes and Newspaper Dispensers.
11. Relocation of chain link fence with gate will be paid for under Item No. 632.8010 - Relocated Chain Link Fence with Gate.
12. Contractor shall prioritize completion of the waterline installtion for the Makuu Agricultural Lots Subdivision, shown on sheets 55 and 55 S-1, Contractor shall submit schedule of work to the Engineer for acceptance prior to beginning work on the project.
13. 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.
14. Contractor shall provide for 2-lane traffic control 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 detours, as shown in Section 645 - Traffic Control, shall be incidental to Item No. 401.0400 Asphalt Concrete Mix No. IV. Payment for non-work day (24 hour) detours, shown on Sheet 7, shall be paid for under Item No. 645.0300 Maintenance of Detours.

15. 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.
16. 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 Sectio 645 - Traffic Control and Subsection 107.13 - Public Convenience and Safety.
17. Contractor shall provide for access to and from all existing side streets and driveways at all times.
18. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.
19. Provide 2'-wide feathered taper for smooth riding lanes during non-working hours. Feathered tapers shall not exceed 0.75 miles in length at non-intersection areas. Feathered tapers shall be removed prior to placing the final overlay. Payment of feathered tapers shall not be measured and will be considered incidental to Item No.401.0400 Asphalt Concrete Pavement, Mix No. IV.
20. 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 Excavation.
21. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
22. Contractor shall notify the State in writing, two (2) weeks prior to starting construction operations.
23. Existing Preformed Pavement Marking Tape shall be removed prior to resurfacing. Removal shall be by scraping, grinding or other method approved by the Engineer. Payment shall be incidental to Item No. 401.0400 Asphalt Concrete Pavement, Mix No. IV, unless otherwise provided for in the contract.
24. 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.
25. All pavement saw cutting work shall be considered incidental to Item No. 401.0400 Asphalt Concrete Pavement, Mix No. IV. Saw cutting limits to be determined in the field by the Engineer.
26. 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).
27. 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.

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	
NOTE BOOK	TRACED BY	
4/10/00	CHECKED BY	
	NAME	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES

KEA'AU-PĀHOA ROAD  
PARADISE PARK SECTION-PHASE II & III  
F.A. PROJECT NO. RS-0130(24)

Scale: None      Date: May, 2000

SHEET No. 1 OF 1 SHEETS