

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(36)	1995	3	41

1. Improvements consist of reconstructing shoulders and weakened pavement areas; leveling and resurfacing the existing pavement; replacing bridge deck overlays and joints; adjusting and/or reconstructing reference survey monuments; adjusting valve boxes and manholes; replacing and installing signs and reflector markers; installing pavement striping, markings and markers; and replacing and installing metal guardrails .
2. 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.
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 - 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 the 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 filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
7. Asphalt Concrete for leveling shall be paid for under Item No. 401.0500- Asphalt Concrete Pavement, Mix No. V .
8. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
9. 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 - Asphaltic Concrete Pavement, Mix No. IV.
10. The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV .
11. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
12. Dressing of shoulders shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.

13. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
14. Contractor shall provide for access to and from existing side streets at all times.
15. All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
16. ~~Finish grade of the shoulder area to be paved shall be per Section 304 (B) unless otherwise provided for in the contract, such work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV.~~
17. Initial preparation of shoulder areas shall be done by the Contractor. Contractor shall also be responsible for finish rolling and maintaining the shoulders thereafter. This work shall be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV .
18. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
19. Provide 2' wide longitudinal 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 the placing of the final overlay. Payment of feathered tapers shall not be measured and will be considered incidental to A.C. Mix No. IV.
20. Public Notice is required for lane closures. Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with dates left blank, is permissible.
21. Contractor's attention is called to new highway policies regarding Breakaway Cable Terminal (BCT) and other guardrail end treatments. An interim measure calls for the use of the Modified Eccentric Loader Terminal (MELT) with wooden posts in place of the BCTs. 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.
22. Contractor shall mark the backs of all signs using labels and equipment provided by the State. Payment to be incidental to various Contract Items.
23. Edge of paved shoulders shall be dressed to grade with materials excavated from shoulder reconstruction. This work shall be considered incidental to Item No. 203.0100 - Roadway Excavation.
24. Cold-planing of 50-ft. transitions at project limits and exception areas shall be considered incidental to Item No. 401.0400 - A.C. Mix No. IV.
26. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.
25. Payment for shoulder reconstruction shall be made under contract item "Roadway Excavation" and "Plant Mix Concrete Base Course".
27. The exact locations and limits of shoulder reconstruction shall be determined in the field by the Engineer.

28. Contractor shall place A.C. Pavement Mix No. IV in lifts not to exceed 1 1/2". This requirement supercedes the Special Provisions and is intended to eliminate the washboard effect produced when thicker overlays are placed.

COUNTY DEPARTMENT OF WATER SUPPLY NOTES

1. All Work shall conform to the Department of Water Supply's (DWS) "Water System Standards", Volumes I and II, dated 1985, as amended.
2. Contractor's attention is called to DWS Standard Details 3, 9, 13, and 22 which require concrete slabs for valve frames and boxes.
3. All existing waterlines, waterline appurtenances, and other utilities shown on the plans reflect the most recent information made available to this Department. The contractor shall be responsible for verification of the exact locations of all existing utilities in the field whether shown on the plans or not . The contractor shall bear all cost for damages done unto the affected utilities.
4. All solder and flux shall contain not more than 0.2 percent lead.
5. The pipe cushion material for copper pipes shall be no. 4 fine manufactured sand, as specified in "Water System Standards" Volume I, part III, Section 2.2.2., Paragraph c2.

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	10/27/95
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

6/21/95	Revised General Notes Nos. 21, 25 & 27.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES HAWAII BELT ROAD RESURFACING Ahole Bridge to Kolekole Bridge F. A. PROJECT NO. STP-019-2(36) Date : April, 1995	
SHEET No. 1 OF 1 SHEETS	