

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-1(18)	1995	3	30

- Improvements consist of widening of the Keahole Airport Intersection, reconstructing weakened pavement areas, leveling and resurfacing the existing pavement, adjusting and/or reconstructing reference survey monuments, adjusting valve boxes and manholes, replacing and installing signs and reflector markers, and installing pavement striping, markings and markers and installing metal guardrails .
- 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.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety, Section 645 - Traffic Control.
- 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.
- 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.
- 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.
- Asphalt Concrete for leveling shall be paid for under Item No. 401.0500- Asphalt Concrete Pavement, Mix No. V .
- The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
- 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.
- Dressing of shoulder, sidewalk and bus turnout 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.
- 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.
- Contractor shall provide for access to and from all existing side streets at all times.







- All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- Contractor shall schedule his work around the annual Ironman Triathlon Race activities. All pavement and shoulder areas shall be restored to smooth riding condition, completely cleaned, and pavement striping installed one month prior to the date of the Ironman Triathlon Race. No construction work within the State Right-of-way shall be permitted during this period which interferes with the preparation and running of the race.
- The Contractor shall maintain 2 lanes for thru traffic movement at all times during weekdays. Lane closures shall be allowed for weekend work and night work, subject to notifying the Engineer 6 weeks prior to closures .
- Finish grade of the shoulder area to be paved shall be as per Section 304.03 (B) - Construction Requirements, Shaping & Compacting. Unless otherwise provided for in the contract, such work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV.
- Remove existing 6' wide paved shoulders along entire length of project. Work shall be paid for under Roadway Excavation, Item No. 203.0100.
- Unprotected pavement dropoffs shall not be allowed during non-working hours, except where approved by the Engineer in writing.
- 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 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.
- Public Notice is required for lane closures and for any detour. 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.
- Excavated Materials used to dress and level shoulders shall be considered incidental to Roadway Excavation, Item No. 203.0100.
- All excavated materials shall be used to backfill and dress shoulders. Course materials greater than 2" diameter and less than 6" diameter shall be used for embankment areas 12" below finish grade. Materials greater than 6" diameter shall be removed from the site at the Contractor's cost. Fine materials less than 2" diameter shall be used to dress shoulder and lane areas, as directed by the Engineer. Contractor shall use caution in separating stockpiled fine materials from course materials.
- Should excavated fine materials be exhausted, aggregate base course shall be used to dress shoulder and lane areas as directed by the Engineer. Aggregate base course shall be paid for under Item No. 304.1110.
- Fill slopes shall be uniformly widened as shown on typical sections on Sheet No. 4 to match existing slope. Payment shall be as provided for above.
- Unless otherwise provided for, cold-planing shall not be paid for separately and shall be considered incidental to Asphalt Concrete Pavement Mix No. IV.

- Removed guardrails shall be delivered to the State Highways North Kona Baseyard, at the corner of Hinalani Street and Mamalahoa Highway intersection. This work shall be considered incidental to Item No. 606.3110 - Guardrail, Type 3 - Single with Steel Post.
- All metal guardrail posts shall be standard 6' heights.
- Raised pavement markers and temporary tapes shall be removed prior to resurfacing in addition to normal surface preparation. Removal shall be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.

COUNTY DEPARTMENT OF WATER SUPPLY NOTES

- All Work shall conform to the Department of Water Supply's (DWS) "Water System Standards", Volumes I and II, dated 1985, as amended.
- Contractor's attention is called to DWS Standard Details 3, 9, 13 and 22 which require concrete slabs for valve frames and boxes.
- 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 costs for damages done unto the affected utilities.
- All solder and flux shall contain not more than 0.2 percent lead.
- 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.

LEGEND

-  Resurfacing Limits
-  New Guardrail
-  Existing Guardrail
-  Existing Monument
-  Adjusted Monument
-  Right of Way

4/13/95	Added General Note Nos. 23 to 29. (Current)
4/13/95	Deleted General Note No. 23 (Previous)
4/13/95	Revised General Note No. 22 (Previous), (Currently General Note No. 21.)
4/13/95	Revised General Note No. 17 (Current) by adding A.C. Pav't. Mix type.
4/13/95	Deleted General Note No. 9.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
<b>GENERAL NOTES AND LEGEND</b>		
<b>QUEEN KAAHUMANU HWY RESURFACING</b>		
<b>HONOKOHAU TO KEAHOLE</b>		
<b>F. A. PROJECT NO. STP-019-1(18)</b>		
Date : Feb., 1995		
SHEET No. 1 OF 1 SHEETS		

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2/15/94
cds/legh	DESIGNED BY	
St. Kathryn	QUANTITIES BY	
	CHECKED BY	