

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19A-01-97M	1997	3	29

GENERAL NOTES

- DATE: 5/12/97

SURVEY PLOTTED BY: [Signature]

DRAWN BY: [Signature]

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

ORIGINAL PLAN

NOTE BOOK

NOTED BY: [Signature]

CHECKED BY: [Signature]

1. Improvements consist of leveling and resurfacing the existing pavement, reconstructing weakened pavement areas, 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.

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 Contractors attention is directed to the following Sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety, 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. Existing Thermoplastic Extrusion Pavement Markings and 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. V.

10. 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.

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 shoulder and sidewalk 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 all 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 seperately.

16. 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 3 weeks 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.

17. 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.

18. 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.

19. Unprotected pavement dropoffs shall not be allowed during non-working hours, except where approved by the Engineer in writing.

20. 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.

21. Public Notice is required for lane closures. Contractor shall submit notice to the Engineer for approval a minimum of six weeks prior to publication. Pre-approval of the notice, with dates left blank, is permissible.
- 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 ammended.

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 exisiting 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 location 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.
- COUNTY DEPARTMENT OF WASTE WATER NOTES
1. The Contractor shall immediately notify the Wastewater Division should any existing sewer be damaged. The sewer shall be repaired by the Contractor to the satisfaction of the Wastewater Division.

2. The Contractor shall provide barriers necessary to prevent materials and/or debris (i.e. coatings, concrete mortar, rocks etc.) from entering the sewer. The Contractor shall physically remove all material and/or debris that entered the sewer to the satisfaction of the Wastewater Division. The work may include flushing and/or use of a pipe pig.

3. All damaged and/or worn sewer manhole frame/cover shall be replaced.

4. All exposed concrete mortar surfaces on the adjustment section of the manhole frame/cover (PVC/epoxy lined manholes only) shall be coated with an approved liner (Fosroc or equal).

5. The Watewater Division shall inspect all work applicable to the sewer system. The Contractor shall contact the Wastewater Division (961-8338) 48 Hours in advance to schedule an inspection.
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

QUEEN KA'AHUMANU HIGHWAY RESURFACING
PALANI ROAD TO HONOKOHAU HARBOR
PROJECT NO. 19A-01-97M

Scale: As Shown Date: May, 1997

SHEET No. 1 OF 1 SHEETS
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