

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII | HAW. | 360B-01-96M | 1996 | 3 | 29 |

GENERAL NOTES

1.

The scope of work for this project includes resurfacing and reconstructing existing pavement; installing and adjusting guardrails; cold planing; installation of signs and pavement markings; extension of culverts; and all incidental work.

2.

The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety; Section 645 - Traffic Control and Subsection 104.04 Maintenance of Traffic.

3.

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.

4.

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 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.

5.

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.

6.

Prior to resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specifications and as amended. Payment shall be considered incidental to Item No. 401.0400- AC Pavement Mix No. IV.

7.

The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.

8.

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 Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.

9.

All holes, depressions, and wheel ruts and leveling areas as shown on the plans shall be filled and compacted with Asphalt Concrete Pavement, Mix No.IV leveling course prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No.IV.

10.

Unless directed by the Engineer, connections shall be cold planed at all limits of resurfacing including the beginning and end of project, connecting approaches, side streets and driveways.

11.

Dressing shoulder, 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. Shoulder areas without guardrails shall be dressed at 6:1 slope (max.) unless shown on plans or directed by the Engineer.

12.

Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.

13.

The contractor shall provide for safe access to and from all existing driveways and streets at all times.

14.

All saw cutting of existing pavement shall not be measured or paid for separately, but shall be considered incidental to various contract items.

15.

Unless directed or approved by the Engineer, staggered paving resulting in longitudinal dropoff will not be permitted. In case of emergency, transition wedge with 10:1 slope shall be constructed along the longitudinal joint. Furthermore, temporary markings consisting of double, 4-inch yellow reflective tape with Type "D" markers at 10' o.c. shall be installed. Prior to resuming paving, the transition wedge shall be removed by saw cutting. Furnishing, paving and removing the transition wedge will not be paid for separately but will be considered incidental to Asphalt Concrete Pavement, Mix No. IV.

16.

At the end of each paving day, transverse joint must be constructed to provide a smooth riding connection. Transition wedge shall be constructed at 10:1 slope or flatter. Prior to resuming paving, the transition wedge shall be removed by saw cutting. Furnishing, paving and removing the transition wedge will not be paid for separately but will be considered incidental to Asphalt Concrete Pavement, Mix No. IV.

17.

Resetting or adjusting of existing guardrail heights shall include adjustment of terminal sections including foundations, etc. to required height.

18.

Whenever "MELT" is noted on these plans, it means Modified Eccentric Loader Breakaway Cable Terminal. See Plan Sheets 10, 11 & 12 for details.

19.

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.

20.

Prior to cold planing over an existing structure, the Contractor shall determine the actual depth of the existing asphalt concrete pavement by hand digging. The Contractor shall take several cross section measurements throughout the structure. If the thickness of the existing pavement is less than the proposed resurfacing thickness, the Contractor shall remove the existing pavement to the level of the structure and resurface to the original thickness. Verification of existing pavement thickness over structure shall be considered incidental to cold planing.

21.

In cold planing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, specially the structure deck, joints, drain pipes or reinforcement. Any damage to the structure during the cold planing operation shall be repaired by the Contractor at his own expense. Repair work shall be as directed by the Engineer.

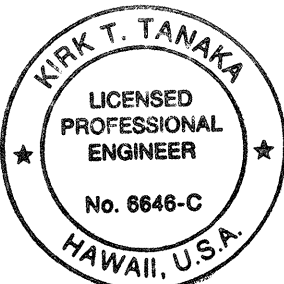
22.

The exact limits of new AC Curbs and swales shall be determined in the field by the Engineer. All swales shall be graded to drain.

23.

The baseline stations shown on the plans were determined as close as possible to existing centerline pavement striping and are used only to designate approximate location of work to be done and determine approximate quantities.
- LEGEND
-
- Reconstruction Areas
-
- Cold Planing Areas
-
- Existing Power Pole
-
- Existing Telephone Pole
-
- Existing Traffic Sign With 1 Post
-
- Existing Traffic Sign With 2 Posts
-
- Existing Single Metal Guardrail
-
- New Single Metal Guardrail
-
- Existing Double Metal Guardrail
-
- Existing Fence
-
- Type III Object Marker
-
- RM-2
-
- RM-3
-
- RM-4
-
- Rock Wall

| | | | | |
|---------------|-----------|-----|------|-------------------|
| ORIGINAL PLAN | NOTE BOOK | No. | DATE | SURVEY PLOTTED BY |
| | | | | DESIGNED BY |
| | | | | DESIGNED BY |
| | | | | QUANTITIES BY |
| | | | | CHECKED BY |



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

R. T. Tanaka

R. T. TANAKA ENGINEERS, INC.
CIVIL ENGINEERING - LAND SURVEYING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES
AND LEGEND

HANA HIGHWAY RESURFACING
OLOWAI BRIDGE TO KALAHU
PROJECT NO. 360B-01-96M

Date: MAY, 1996

SHEET No. 1 OF 1 SHEETS