## GENERAL NOTES

- The project begins on Hana Highway at its intersection with Kaahumanu Avenue, proceeds easterly and ends at Dairy Road. The scope of work includes widening, cold planing, reconstructing and resurfacing of the existing pavement; adjusting centerline monuments, water and sewer manhole frame and covers; adjusting top of existing catch basin; installing concrete curb and sidewalk, wheelchair ramps, signs and pavement marking.
- The Contractor's attention is directed to Subsection 104.04 Maintenance of Traffic, 107.13 Public Convenience and Safety, 107.21 Contractors Responsibility for Utility Property and Services, Section 645 Traffic Control of the Standard Specifications and the Special Provisions.
- 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.
- Saw-cutting of existing pavement shall not be measured or paid for separately but shall be considered incidental to Roadway Excavation.
- Dressing of shoulder shall consist of clearing, grubbing, grading, reshaping, and compacting the unpaved shoulders with suitable excavated materials as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
- All construction signs shall be left in place until all construction items have been completed. Contractor shall obtain prior approval from the Engineer to remove construction signs.
- Cold planed connections shall be constructed at the beginning and end of the project, and at all connecting approaches as directed by the Engineer.
- The Contractor shall not leave more than 3" drop-off at the edge of pavement, at the end of each work day. Whenever the Contractor leaves a 3" drop-off, the Contractor shall install portable concrete barriers, delineators, cones, barricades as deemed appropriate by the Engineer. This work, which includes furnishing, installing, cleaning, maintaining correct placement and removing when required, shall be considered incidental to various pay items.
- 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. Storing equipments and materials in the median will not be permitted.
- The Contractor shall provide safe access to and from all existing sideroads and driveways at all times.
- 12. All saw cutting work shall be considered incidental to various pay items.
- 13. Demolishing, removing and disposing of existing concrete curb and sidewalk shall be considered incidental to installation of concrete curb and concrete sidewalk and will not be paid for separately.

14.	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. 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.

- 15. 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.
- 16. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
- 17. 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. 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. IV.
- 18. Existing signs that will be removed and replaced shall be delivered to the Maui District Baseyard. Payment for removal, storage and delivery shall be considered incidental to various pay items.
- 19. Base course shall be plant mix glassphalt concrete base course.
- 20. The Contractor's attention is directed to the requirements of Section 105.06 of the Standard Specifications. The Department anticipates letting out one or more contract within the limit of this project. These projects includes the installation of traffic signal system at the intersection of Hana Highway and Kamehameha Avenue/Hobron Avenue and the installation of shoulder between Kaahumanu Avenue and Dairy Road.

## GENERAL NOTES FOR NIGHT WORK

## TRAFFIC CONES

Cones used on Hana Highway shall be 28 inches in height and shall be predominantly orange in color. They shall be kept clean and bright for maximum target value. For nighttime use they shall be reflectorized or equipped with lighting devices for maximum visibility. Reflectorized material shall have a smooth, sealed outer surface that will display the same approximate color day and night.

Reflectorization of tubular markers shall be a minimum of two, three-inch-wide white bands placed a maximum of two inches from the top with a maximum of six inches between the bands. Retroreflection of cones shall be provided by a minimum sixinch-wide white band placed a minimum of three inches but no more than four inches from the top. When the 28-inch or larger size cones are used, the standard six-inch band shall be supplemented with an additional four-inch white band spaced a minimum of two inches below the six-inch band.

	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
o may	HAWAII	HAW.	36A-01-96M	1996	3	13

## LEGEND

Reconstruction Areas Leveling Areas Cold Planing Areas Resurfacing Limits

- - - Existing Metal Guardrail

MON. Adjusted Monument °pp Existing Power Pole

—w—½— Existing ½" Water Line

—w—2 — Existing 2" Water Line

—w—4 — Existing 4" Water Line —w—6 — Existing 6" Water Line

—w—8 — Existing 8" Water Line

—w—12— Existing 12" Water Line

- ⇔ Existing Stand Pipe

Existing Water Valve Box

• WV Adjusted Water Valve Box

Existing Traffic Sign

New Traffic Sign

Existing Traffic Sign Wtih 2 Posts

New Traffic Sign Wtih 2 Posts

Type II Object Markers

RM-2

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

HANA HIGHWAY RESURFACING Kaahumanu Avenue to Dairy Road Project No. 36A-01-96M

Date: May 1996

SHEET No. 1 OF 1 SHEETS

