

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	460A-01-10M	2010	ADD.3	24

GENERAL NOTES

- DATE

3/7/06

SURVEY PLOTTED BY

DRAWN BY

TRACED BY

NOTES BY

QUANTITIES BY

CHECKED BY

ORIGINAL PLAN

NOTE BOOK

MAINTENANCE

REVISIONS

1.

The scope of work includes resurfacing existing pavement; reset guardrail; cold planing; installation of signs and pavement markings; cleaning of culverts; adjusting manholes, monuments, replace existing guardrail end terminals 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 - Hot Mix Asphalt (HMA) Pavement.

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 Hot Mix Asphalt (HMA) Pavement and will not be paid for separately.

9.

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.

10.

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.

11.

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.

12.

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

13.

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

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. Furthermore, temporary markings consisting of double, 4-inch yellow reflective tape with Type "D" markers at 20' 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 Hot Mix Asphalt (HMA) Pavement.
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 Hot Mix Asphalt (HMA) Pavement.
16.

Resetting or adjusting of existing guardrail heights shall include adjustment of terminal sections including foundations, etc. to required height.
17.

Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, connecting approaches and side streets as shown on the plans and/or as directed by the Engineer.
18.

Contractor shall adjust pipe casings of existing centerline survey monument whether shown or not on the plans, in accordance with Standard Plan D-07 or any other method as directed by the Engineer to suit field condition. Contractor to verify existing conditions prior to construction. Adjustment of centerline monument will be paid for at the Contract Unit Price regardless of method used. Contractor shall clean existing monuments to expose survey pins.

LEGEND

- Cold Planing Areas

Resurfacing Limits

Existing 12" Water Line

Existing Fire Hydrant

Existing Monument

Adjusted Monument

Existing Traffic Sign With 1 Post

Existing Traffic Sign With 2 Posts

Existing Single Metal Guardrail

New Single Metal Guardrail

Existing Double Metal Guardrail

RM-3

6-14-10 Delete General Notes No. 9.

DATE REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

MAUNALOHA HIGHWAY RESURFACING

Vicinity of Keonelele Avenue to Mahana

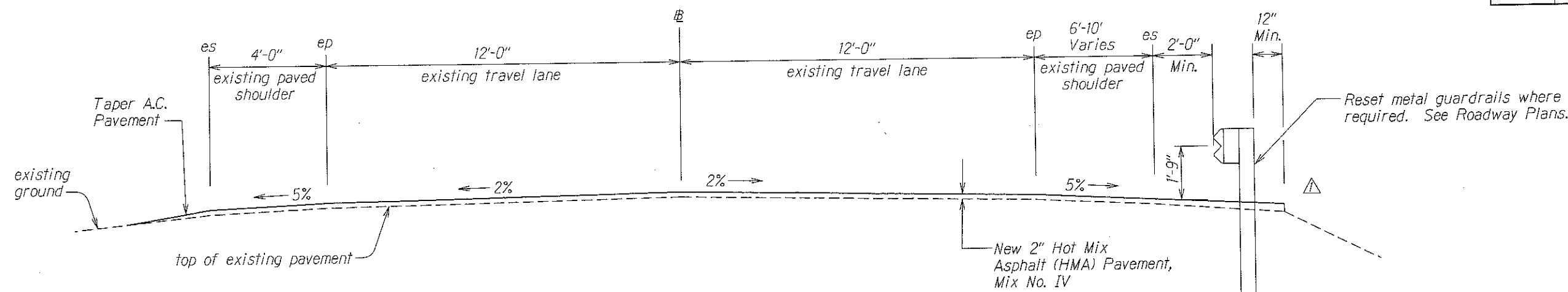
Project No. 460A-01-10M

Date: April, 2010

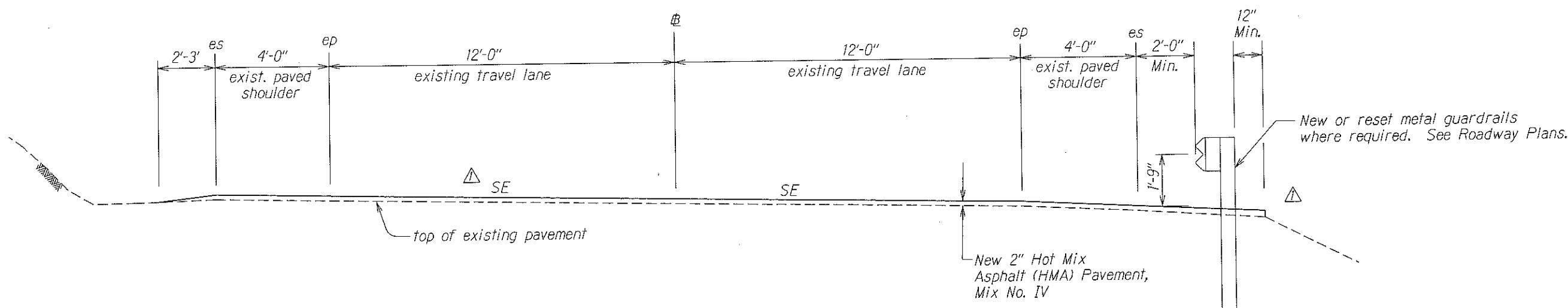
SHEET No. 1 OF 1 SHEETS

ADD. 3

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	460A-01-10M	2010	ADD.6	24



TYPICAL SECTION ON TANGENT
Scale: 1/2" = 1'-0"



TYPICAL CURVE SECTION
Scale: 1/2" = 1'-0"

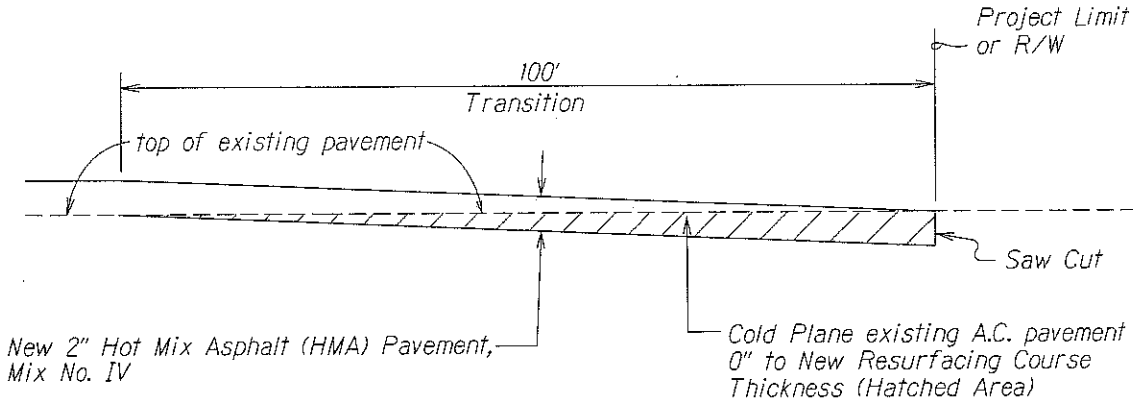
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	4/10
NOTED	DESIGNED BY	
NOTED	CHECKED BY	
NOTED	APPROVED BY	

6-14-10	Delete Leveling Course.
6-14-10	Delete existing concrete gutter and cold planing detail.
6-14-10	Revised paving detail behind guardrail.
6-14-10	Revised Superelevation.

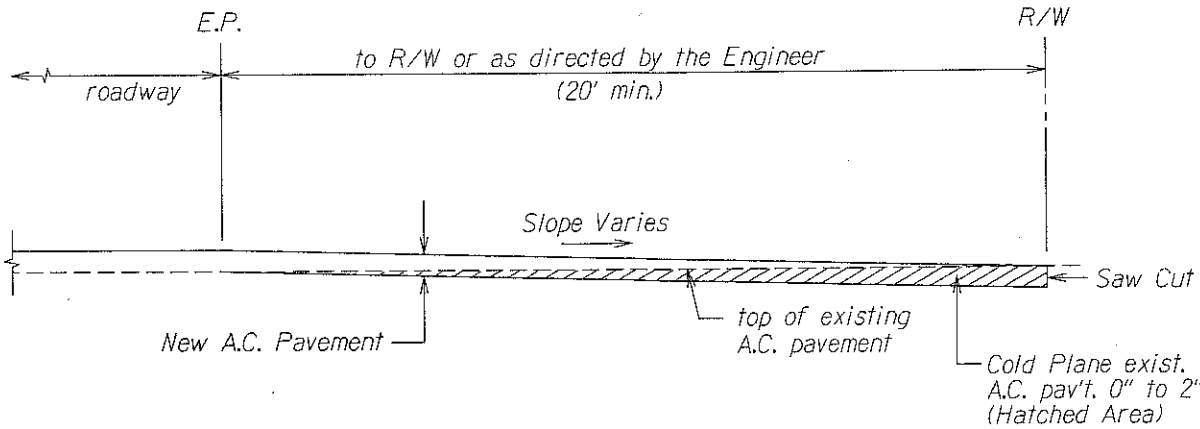
DATE	REVISION
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
TYPICAL SECTIONS & DETAILS
MAUNALOA HIGHWAY RESURFACING Vicinity of Keonelele Avenue to Mahana Project No. 460A-01-10M
Scale: As Shown Date: April, 2010
SHEET No. 1 OF 2 SHEETS

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COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT DETAIL
BEGIN AND END OF PROJECT
 Not To Scale



COLD PLANED TRANSITION TO EXISTING
PAVED SIDE ROAD DETAIL
 Not To Scale

ORIGINAL PLAN	DATE	1/25
DESIGNED BY	DATE	
NOTED BY	DATE	
CHECKED BY	DATE	

6-14-10	Delete Leveling Course Detail.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS & DETAILS	
MAUNALOA HIGHWAY RESURFACING Vicinity of Keonelele Avenue to Mahana Project No. 460A-01-10M	
Scale: As Shown	Date: April, 2010
SHEET No. 2 OF 2 SHEETS	