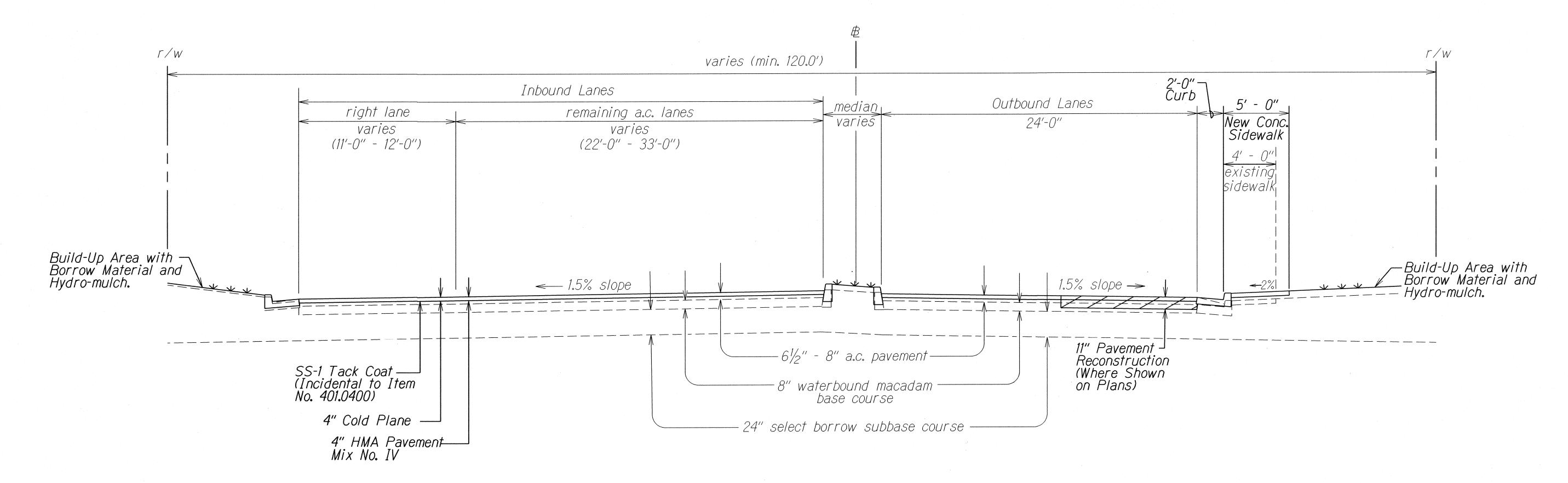
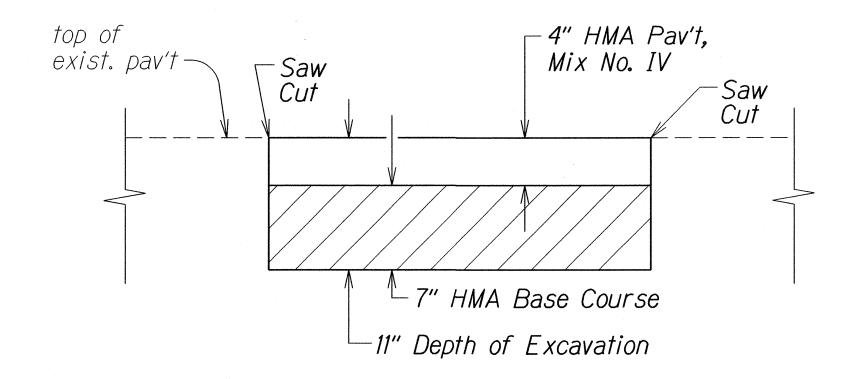
FED. ROAD STATE FED. AID PROJ. NO. FISCAL SHEET TOTAL SHEETS

HAWAII HAW. NH-063-1(023) 2015 8 111



# TYPICAL SECTION B Sta. 23+00 to B Sta. 33+00±

Scale: 1/4" = 1'



# RECONSTRUCTION AREA DETAIL B Sta. 23+00 to B Sta. 62+00

Scale : 1½" = 1'-0"

#### Notes:

- 1. Contractor may elect to reconstruct the entire depth of pavement reconstruction with base course in preparation of cold planing as a separate operation, but the State will not pay for the extra base course and excavation.
- 2. Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Hot Mix Asphalt Base Course.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

### TYPICAL SECTION

LIKELIKE HIGHWAY RESURFACING

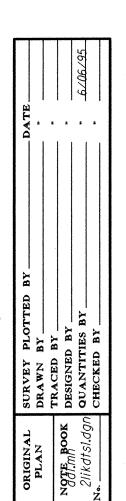
School Street to Emmeline Place

Federal Aid Project No. NH-063-1(023)

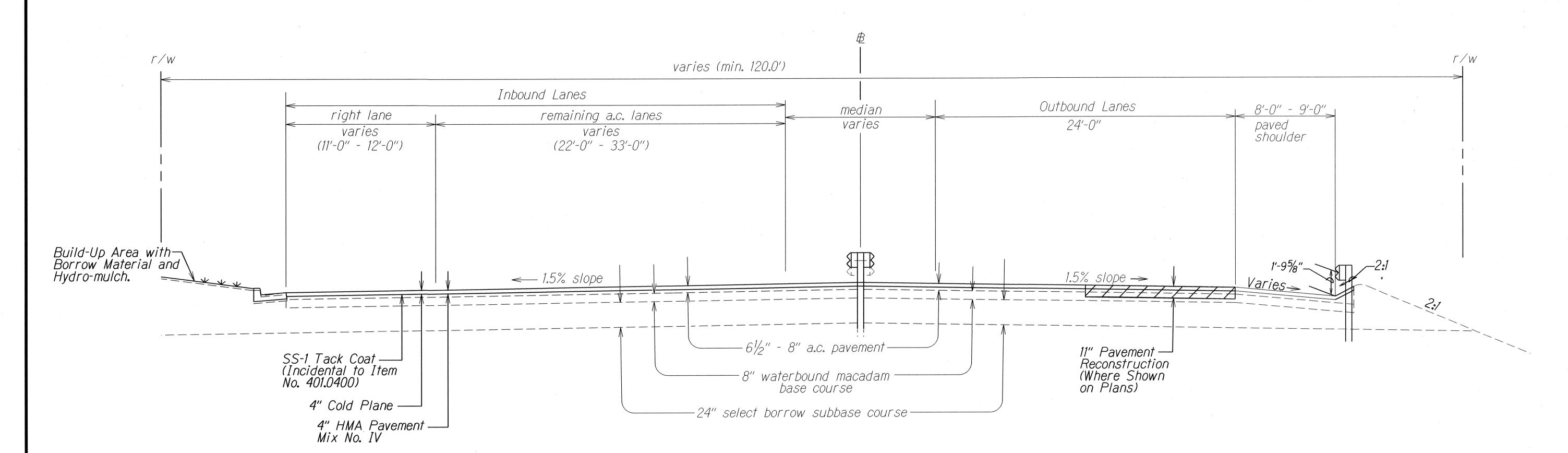
Scale: As Shown

Date: Sept., 2015

SHEET No.1 OF 10 SHEETS



FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	NH-063-1(023)	2015	9	111



 $\underline{TYPICAL\ SECTION}$   $\underline{B\ Sta.\ 33+00\pm\ to\ B\ Sta.\ 62+00\pm\ Scale:\ 1/4''=1'}$ 

#### Notes:

- 1. Contractor may elect to reconstruct the entire depth of pavement reconstruction with base course in preparation of cold planing as a separate operation, but the State will not pay for the extra base course and excavation.
- 2. Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Hot Mix Asphalt Base Course.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

#### TYPICAL SECTION

LIKELIKE HIGHWAY RESURFACING

School Street to Emmeline Place

Federal Aid Project No. NH-063-1(023)

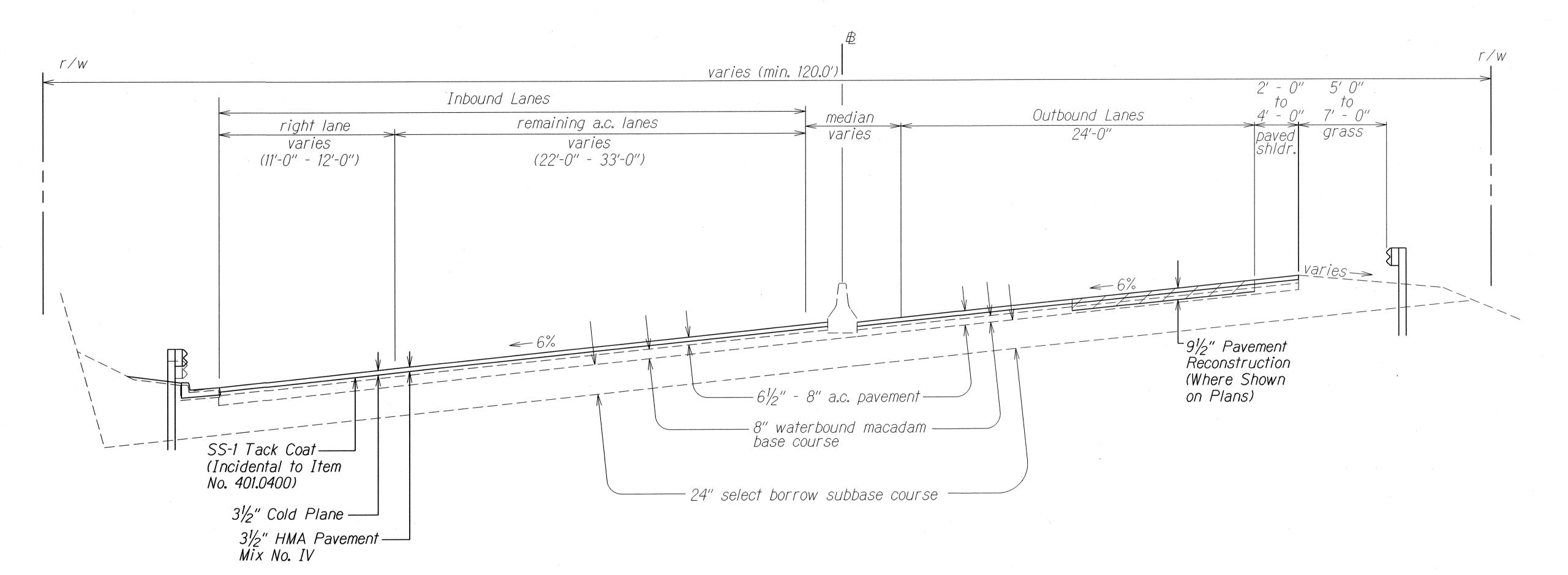
Scale: As Shown

Date: Sept., 2015

SHEET No. 2 OF 10 SHEETS

| CONTRET | SURVEY PLOTTED BY | DATE | DRAWN BY | TRACED BY | TRACED BY | TRACED BY | CHECKED BY

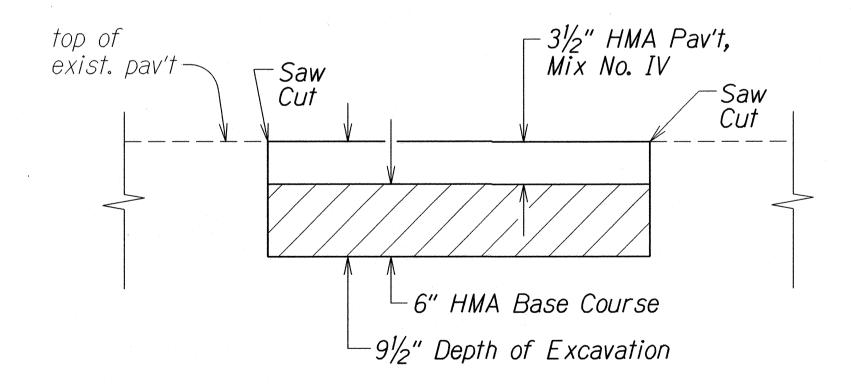
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
HAWAII	HAW.	NH-063-1(023)	2015	10	111



TYPICAL SECTION

B Sta. 62+00± to B Sta. 68+50±

Scale: 1/4" = 1'



RECONSTRUCTION AREA DETAIL

B Sta. 62+00 to B Sta. 80+50

Scale:  $1\frac{1}{2}$ " = 1'-0"

#### Notes:

- 1. Contractor may elect to reconstruct the entire depth of pavement reconstruction with base course in preparation of cold planing as a separate operation, but the State will not pay for the extra base course and excavation.
- 2. Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Hot Mix Asphalt Base Course.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

### TYPICAL SECTION

LIKELIKE HIGHWAY RESURFACING

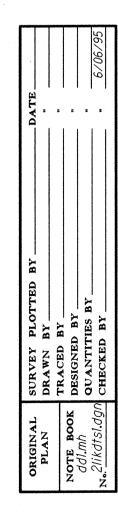
School Street to Emmeline Place

Federal Aid Project No. NH-063-1(023)

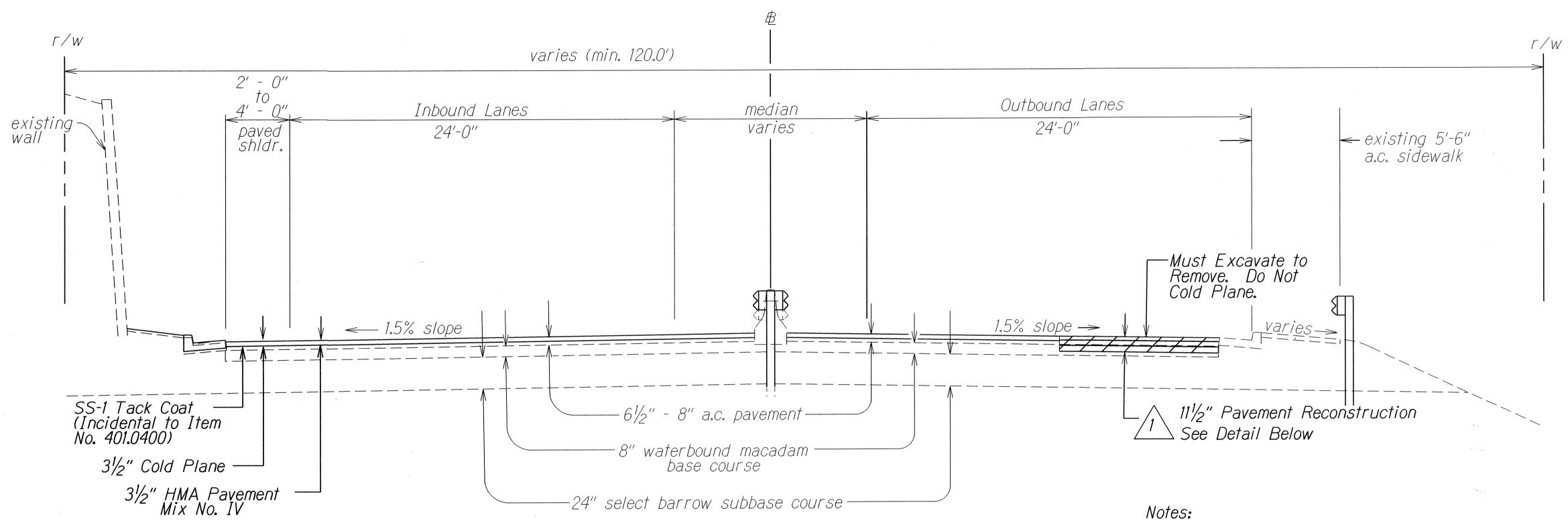
Scale: As Shown

Date: Sept., 2015

SHEET No. 3 OF 10 SHEETS

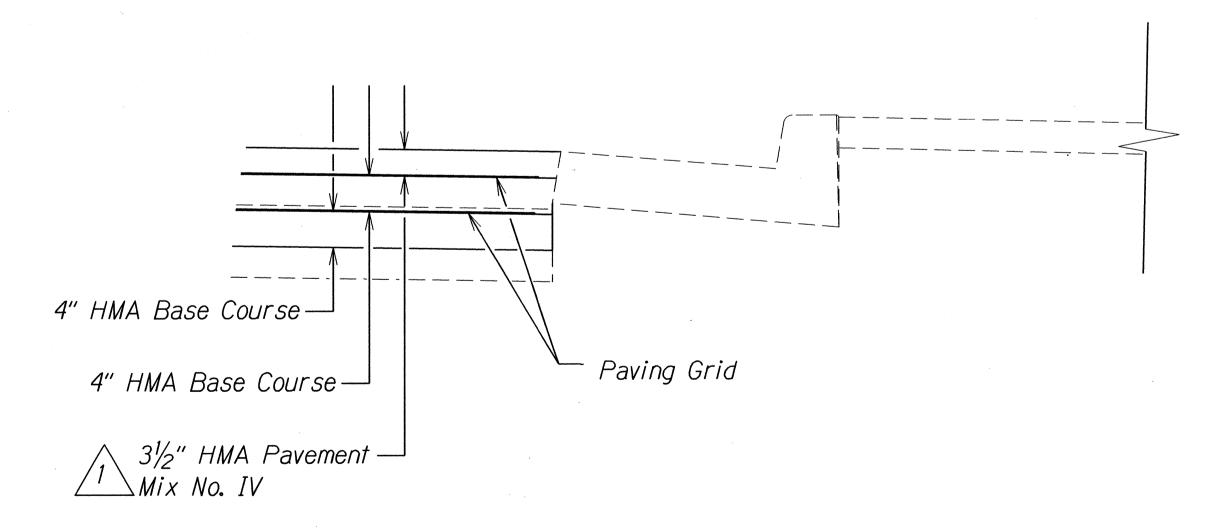


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
HAWAII	HAW.	NH-063-1(023)	2015	ADD. 11	111



### TYPICAL SECTION ₿ Sta. 68+50± to ₺ Sta. 72+40±

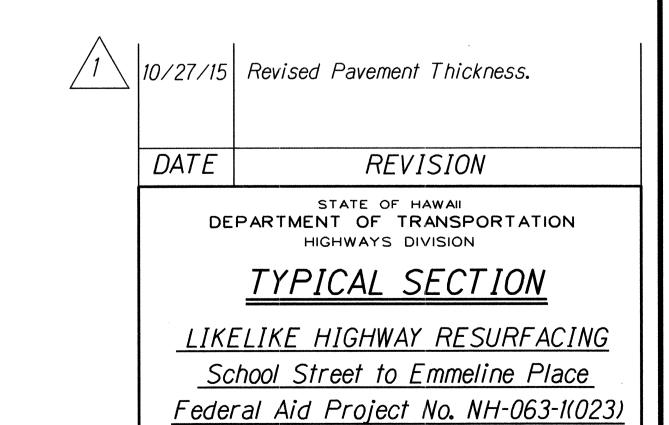
Scale: 1/4" = 1'



## RIGHT LANE RECONSTRUCTION DETAIL ₿ Sta. 68+50± to ₺ Sta. 72+40± ₿ Sta. 75+20± to ₺ Sta. 79+50±

Not to Scale

- 1. Contractor may elect to reconstruct the entire depth of pavement reconstruction with base course in preparation of cold planing as a separate operation, but the State will not pay for the extra base course and excavation.
- 2. Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Hot Mix Asphalt Base Course.

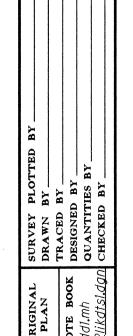


Scale: As Shown

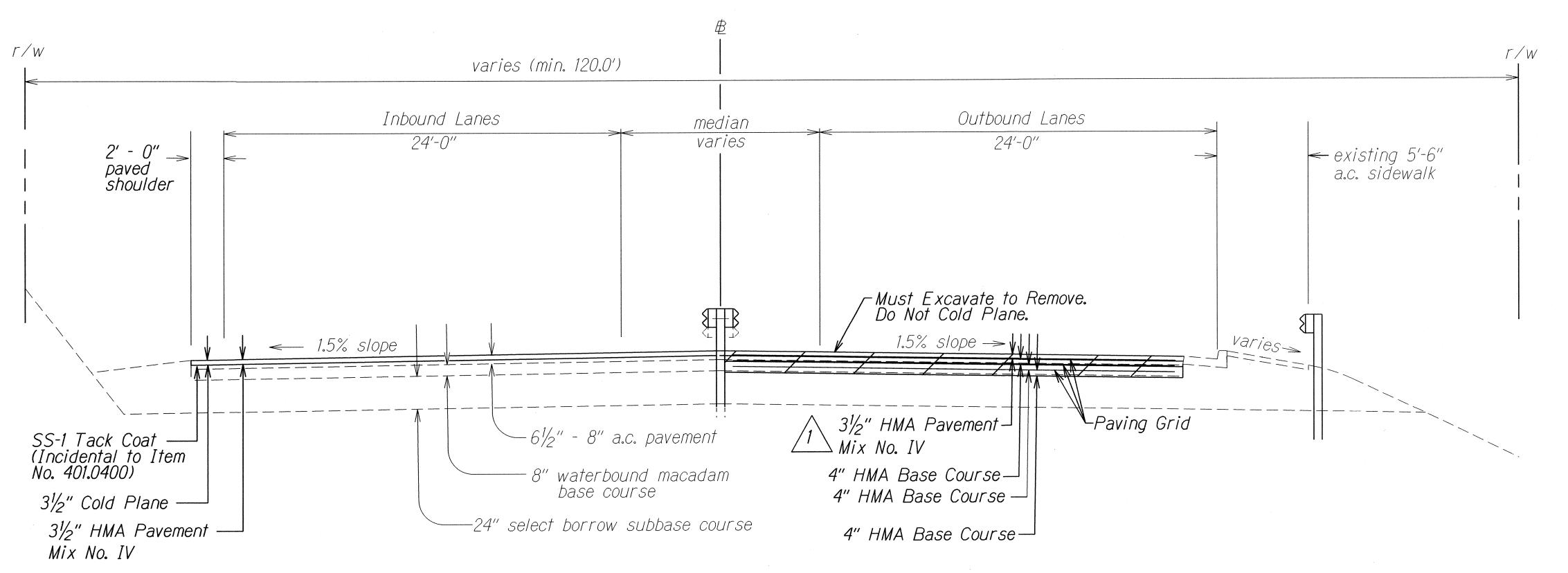
SHEET No. 4 OF 7 SHEETS

ADD. 11

Date: Sept., 2015



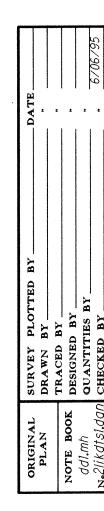
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
HAWAII	HAW.	NH-063-1(023)	2015	ADD. 12	111

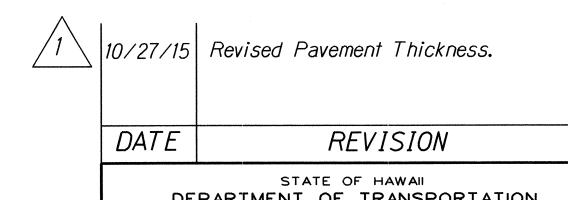


TYPICAL SECTION ₿ Sta. 72+40± to ₺ Sta. 75+20± Scale: 1/4" = 1'

#### Notes:

- 1. Contractor may elect to reconstruct the entire depth of pavement reconstruction with base course in preparation of cold planing as a separate operation, but the State will not pay for the extra base course and excavation.
- 2. Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Hot Mix Asphalt Base Course.





STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

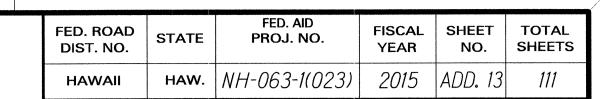
### TYPICAL SECTION

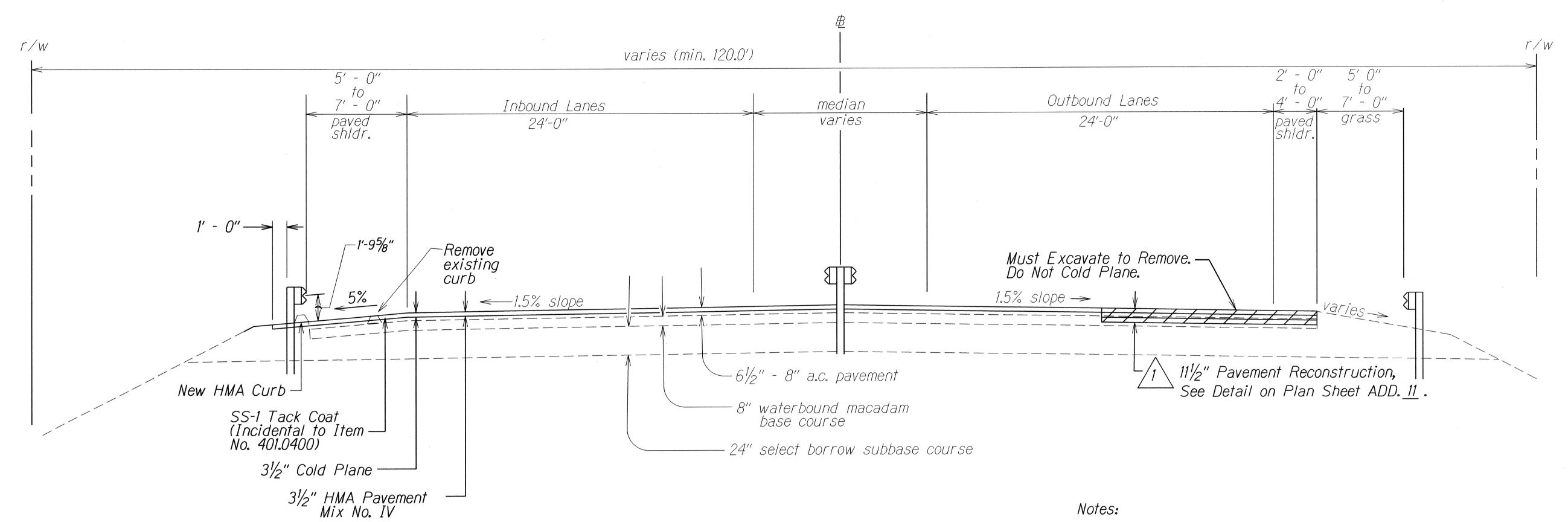
LIKELIKE HIGHWAY RESURFACING School Street to Emmeline Place Federal Aid Project No. NH-063-1(023)

Scale: As Shown

Date: Sept., 2015 SHEET No. 5 OF 10 SHEETS

ADD. 12

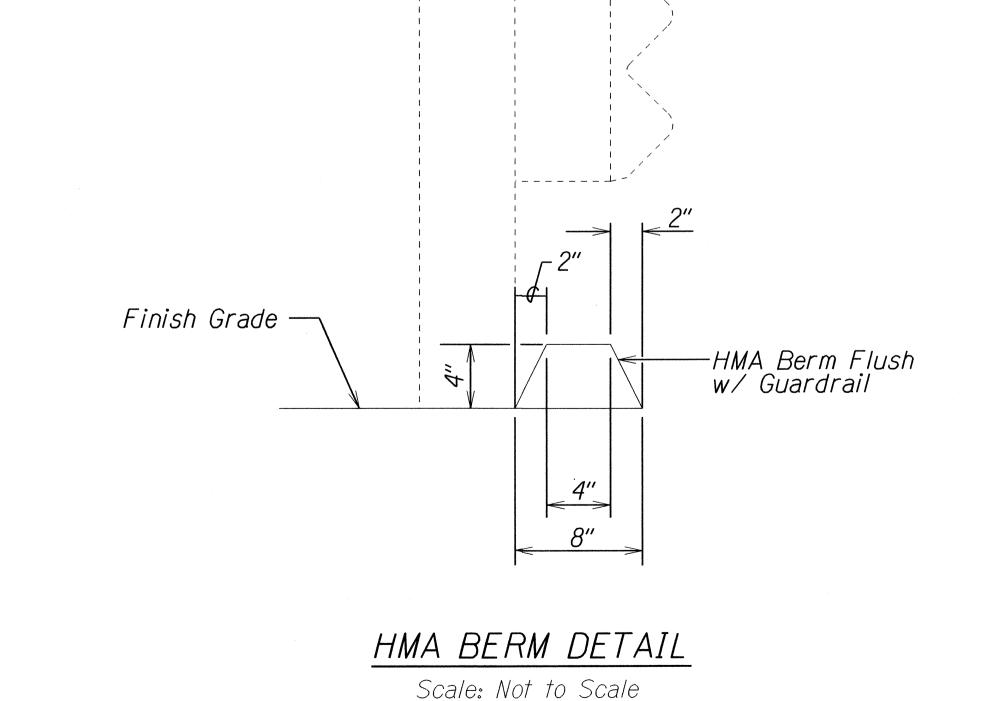




# TYPICAL SECTION B Sta. 75+20± to B Sta. 79+50±

Scale: 1/4" = 1'

- 1. Contractor may elect to reconstruct the entire depth of pavement reconstruction with base course in preparation of cold planing as a separate operation, but the State will not pay for the extra base course and excavation.
- 2. Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Hot Mix Asphalt Base Course.



DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TYPICAL SECTION

LIKELIKE HIGHWAY RESURFACING
School Street to Emmeline Place

Federal Aid Project No. NH-063-1(023)

Scale: As Shown

Date: Sept., 2015
7 SHEETS

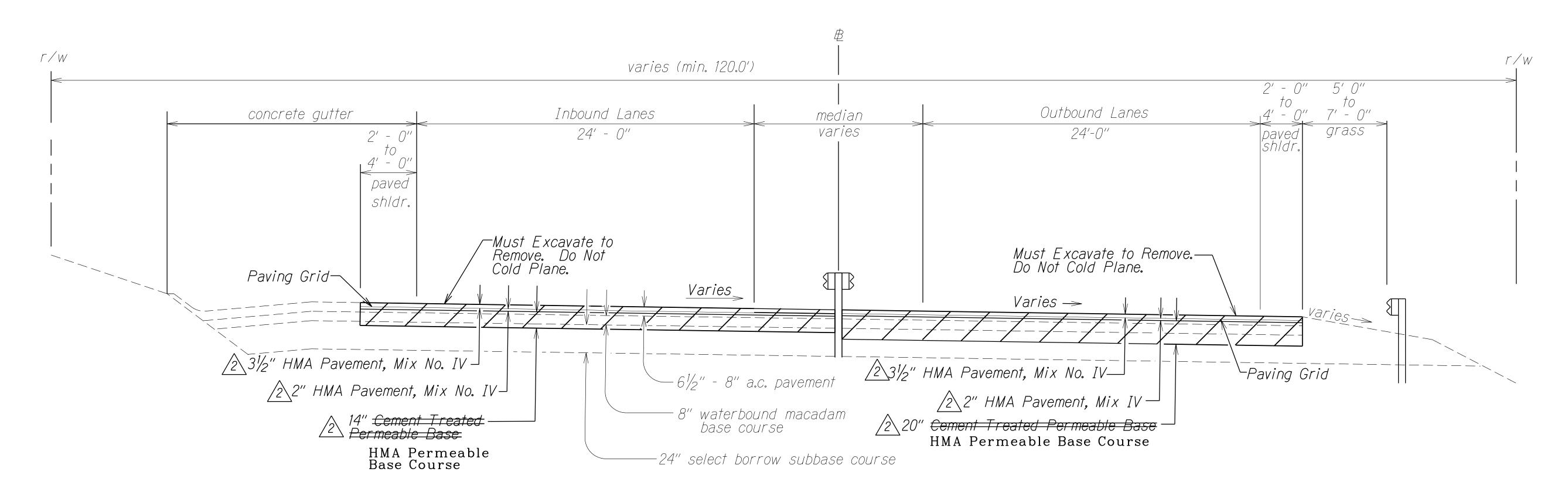
SHEET No. 6 OF 7 SHEETS

ADD. 13

FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL SHEET TOTAL SHEETS

HAWAII HAW. NH-063-1(023) 2015 ADD. 14 111

ADD. 14



TYPICAL SECTION

B Sta. 79+50± to B Sta. 80+50±

Scale: 1/4" = 1'

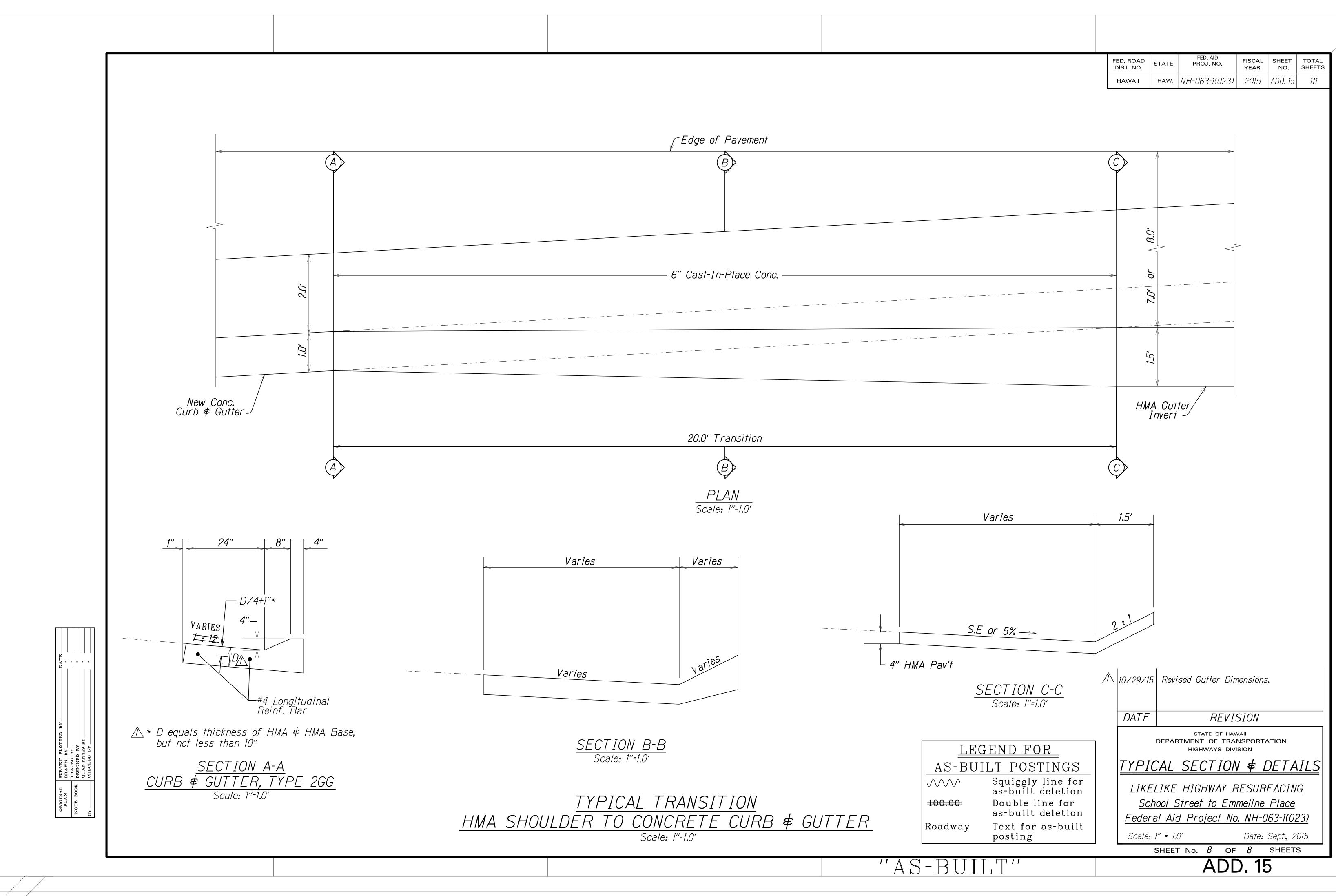
#### Notes:

"AS-BUILT"

- 1. See Plan Sheets ADD. 16 and ADD. 48 for Additional Pavement Stabilization Information.
- 2. Prior to placement of the permeable base, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition. The work shall be considered incidental to the Portland Cement Treated Permeable Base.

  HMA





Minimum Taper Drop Off @ Cold — top of exist. pav't. Planed Sections Cold Mix Asphalt Pav't.— <del>~~~</del>

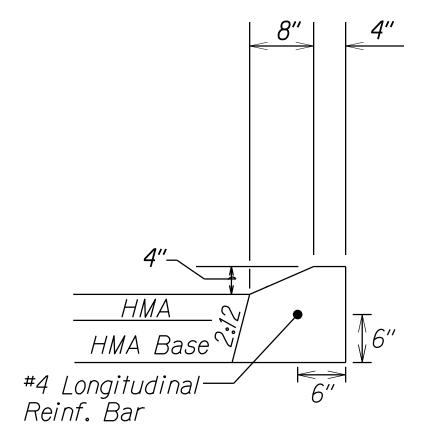
TEMPORARY TRANSITION AT

COLD PLANED AREAS

Not to Scale

Note: Contractor shall construct temporary pavement taper to prevent sharp pavement drop-offs at all cold planed sections. Prior to final Hot Mix Asphalt Pavement, Mix No. IV placement, temporary pavement taper shall be removed.

FED. AID PROJ. NO. FED. ROAD DIST. NO. STATE HAW. NH-063-1(023) 2015 ADD. 16 111



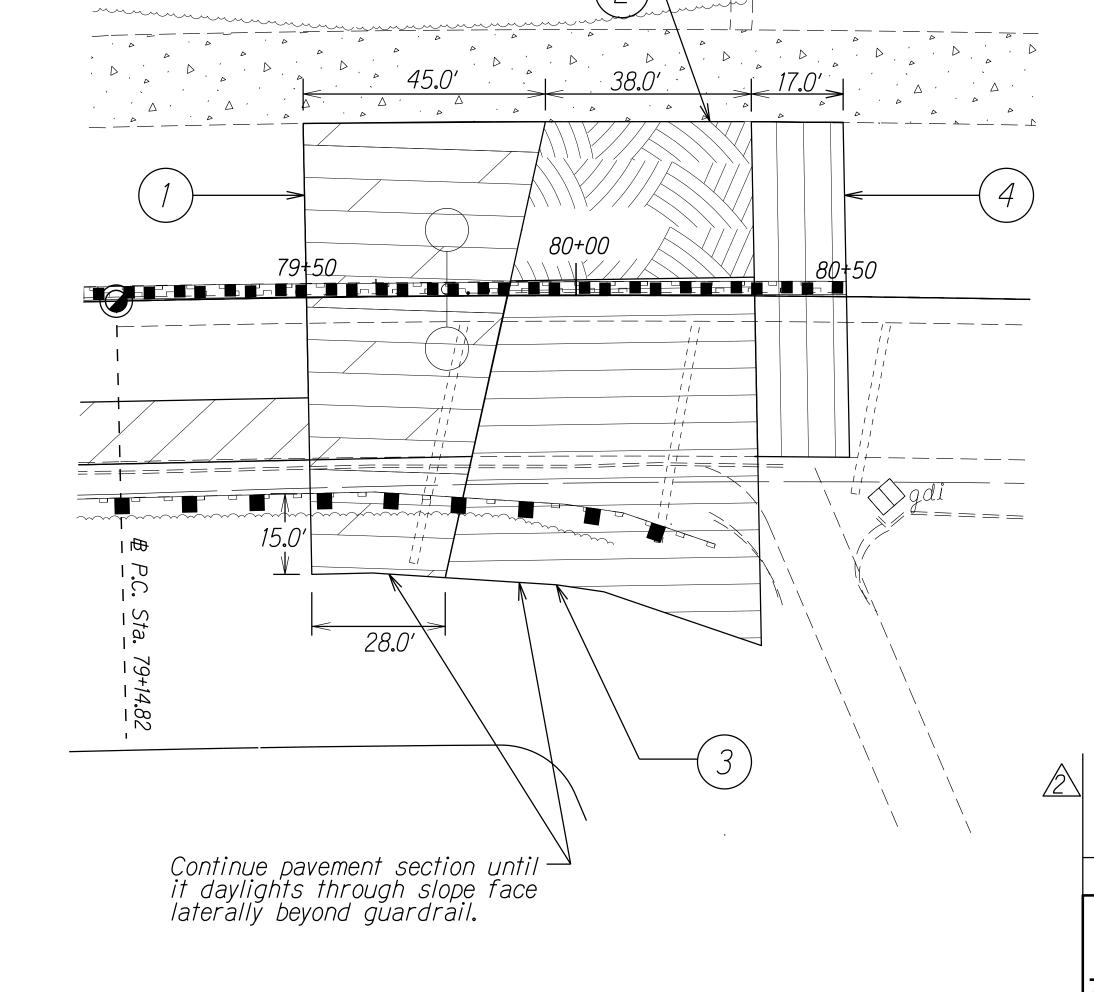
CURB, TYPE 2G

# Pavement Stabilization Notes:

- 1. For Pavement Section 1, guardrail posts shall be installed in 21-inch diameter holes and backfilled with CLSM with 28-day compressive strength of no more than 100 psi.
- 2. For Pavement Sections 2 and 3, guardrail posts shall be installed in 21-inch diameter holes and backfilled with ASTM C-33 #57 aggregate, and topped with 5-inch thick one-sack grout fill or CLSM.
- 3. For Pavement Section 2, use geotextile fabric for northern excavation face from 5½" to 19½" below grade. Refer to Standard Specification 716.02.
- 4. For Pavement Section 3, use geotextile fabric for northern excavation face from 5-1/2" to 25-1/2" below grade. Refer to Standard Specification 716.02.
- 5. Cost of geotextile fabric is considered incidental to pavement stabilization work.
- 6. For \( \mathbb{B} \) Stations 79+50 through 80+50, the 3\( \frac{1}{2} '' \) HMA layer and paving grid shall be placed at the same time for each lane. The paving grid shall cover the entire area without any transverse joints.

$\wedge$
/2\

	Pavement Section			
	1	2	3	4
HMA Pavement, Mix No. IV	3-1/2"	3-1/2"	3-1/2"	3-1/2"
	<	— Paving	g Grid—	>
HMA Pavement, Mix No. IV	2"	2"	2"	2"
HMA Base Course (Placed in four 6" lifts)	24"	n/a	n/a	n/a
Portland Cement Treated HMA Permeable Base	n/a	14''	20"	n/a
TOTAL DEPTH	29-1/2"	19-1/2"	25 <sup>-</sup> ½"	5 <sup>-</sup> ½"



PAVEMENT STABILIZATION AREA Not to Scale

LEGEND FOR AS-BUILT POSTINGS Squiggly line for as-built deletion

 $\overline{\mathsf{A}}$ <del>100.00</del>

Double line for as-built deletion Text for as-built Roadway

posting

/2\ 11/3/15 | Added Pavement Stabilization Notes, Pavement Section and Detail.

DATE REVISION

> STATE OF HAWAII HIGHWAYS DIVISION

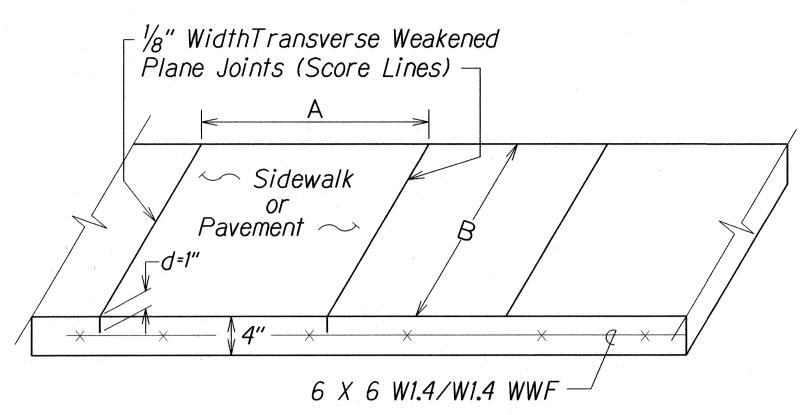
TYPICAL SECTION & DETAILS

LIKELIKE HIGHWAY RESURFACING School Street to Emmeline Place

Federal Aid Project No. NH-063-1(023)

Scale: 1" = 1.0'

Date: Sept., 2015 SHEET No. 9 OF 9 SHEETS

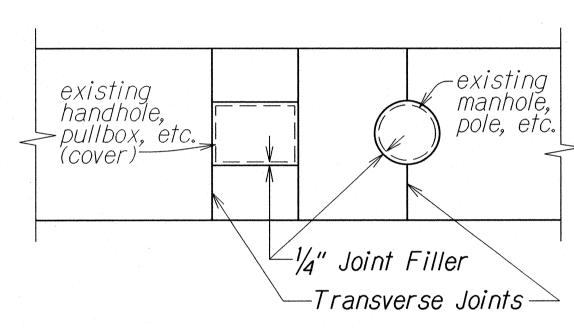


Note:

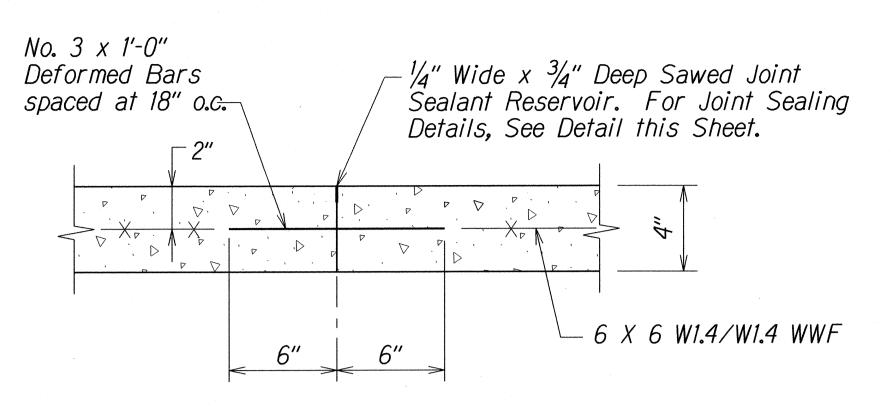
1. A = 5' if B < 7' or (B/A or A/B) < 1.25 and (A or B) not to exceed 7'0

SIDEWALK SCORE LINE DETAIL

Not To Scale

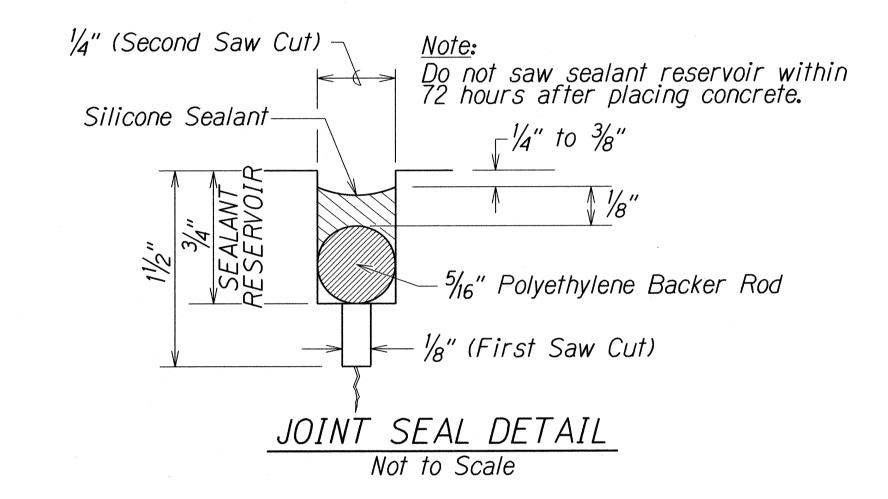


SIDEWALK ISOLATION JOINT DETAIL Not To Scale



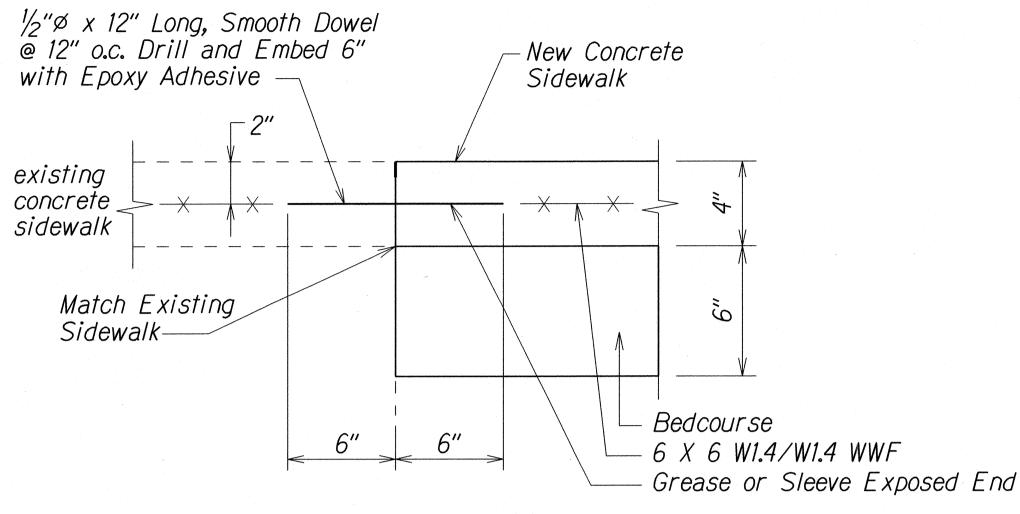
TRANSVERSE CONSTRUCTION JOINT DETAIL

Not to Scale



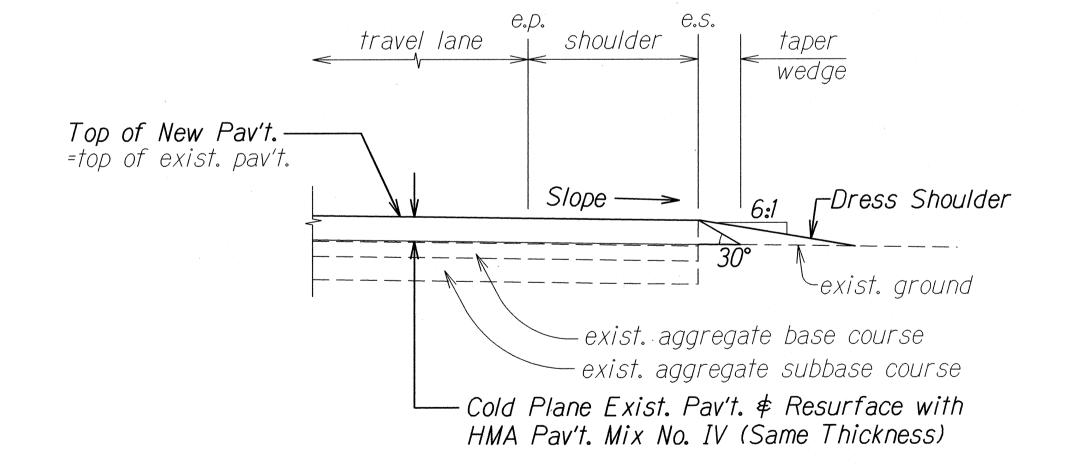
FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. NH-063-1(023) 2015 17 111



TRANSVERSE JOINT AT EXISTING SIDEWALK

Not to Scale



# TYPICAL PAVEMENT EDGE DETAIL (FOR COLD PLANING PROJECT) Not to Scale

Note: Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder edge.

 RAWN BY
 X
 X

 RACED BY
 .

 ESIGNED BY
 .

 UANTITIES BY
 .

 HECKED BY
 .

by the Engineer.

2. Transverse and longitudinal weakened plane joints for sidewalk shall be considered incidental to the P.C.C. sidewalk contract item.

3. Installation of dowels and tie bars including drilling, and epoxy grout shall be considered incidental to the P.C.C. sidewalk contract item.

Dressing of sidewalk shall consist of clearing, grubbing, grading,

with suitable material as shown on the plans and/or as directed

reshaping and compacting the area adjacent to the improvement

4. Existing concrete sidewalk shall be saw cut at scorelines prior to reconstructing the sidewalk. Actual location of the scoreline shall be determined in the field. Saw cutting shall be considered incidental to the sidewalk contract item.

Provide smooth transition where new sidewalk construction meets the existing grade or sidewalk. Transition shall not be steeper than 2% cross and longitudinal slopes and not less that 6.0 feet long. This work shall be considered incidental to the P.C.C. sidewalk contract item.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

#### TYPICAL DETAILS

LIKELIKE HIGHWAY RESURFACING
School Steet to Emmeline Place
Federal Aid Project No. NH-063-1(023)

Scale: NTS

Date: Sept., 2015

SHEET No. 40 OF 10 SHEETS