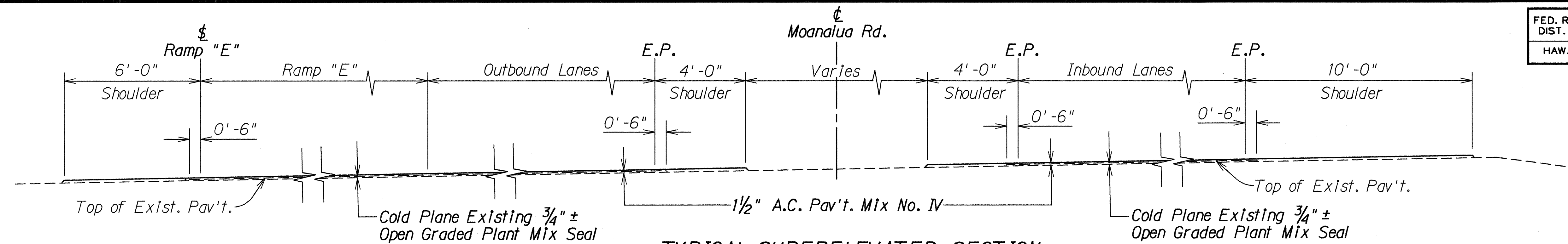


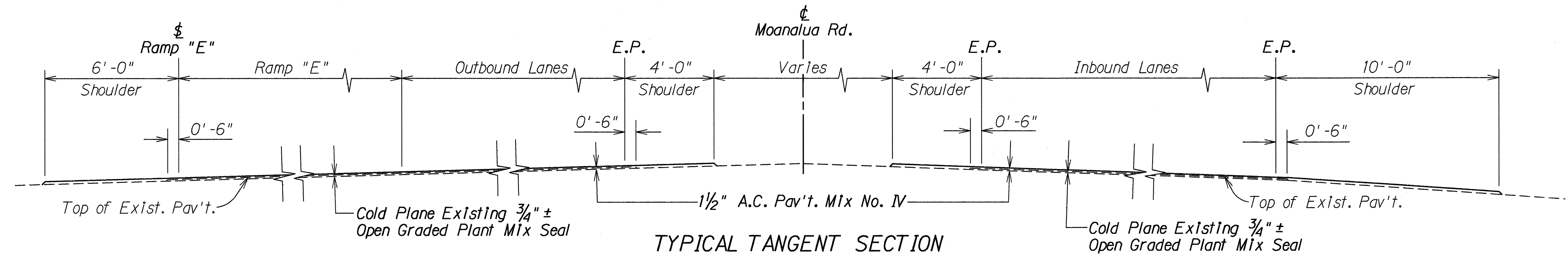
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(217)	1992	4	29



TYPICAL SUPERELEVATED SECTION
MOANALUA ROAD

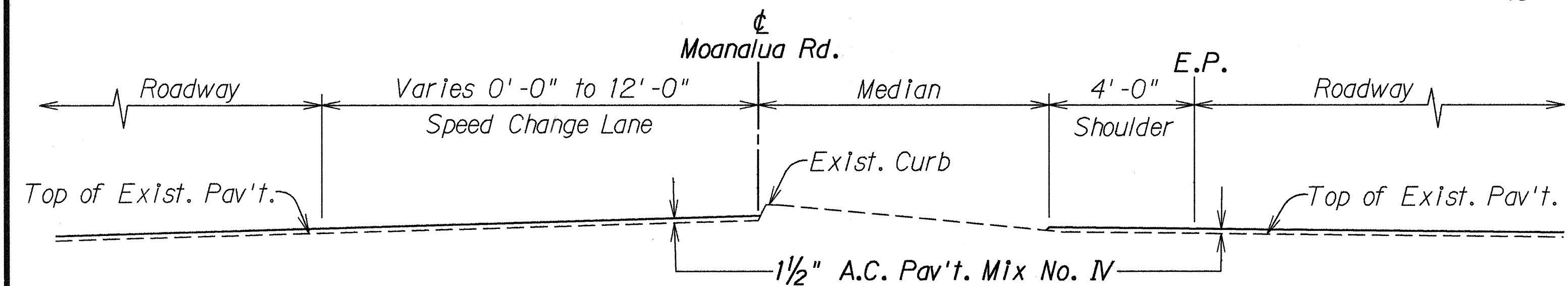
Scale: $\frac{3}{8}" = 1'-0"$

NOTE:
Removal of open graded plant mix seal by cold planing shall begin at Moanalua Rd. Sta. 31+65± and end at Sta. 43+25±



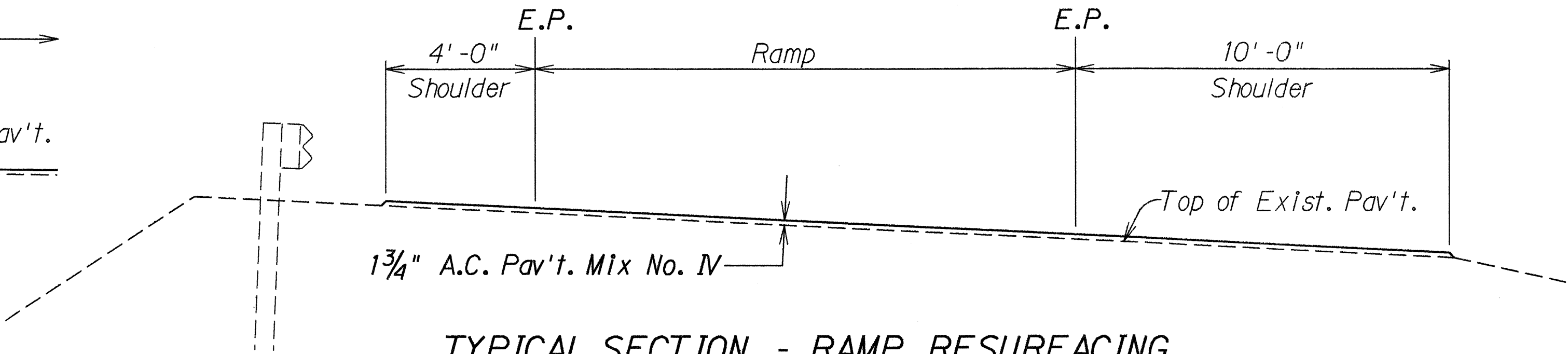
TYPICAL TANGENT SECTION
MOANALUA ROAD

Scale: $\frac{3}{8}" = 1'-0"$



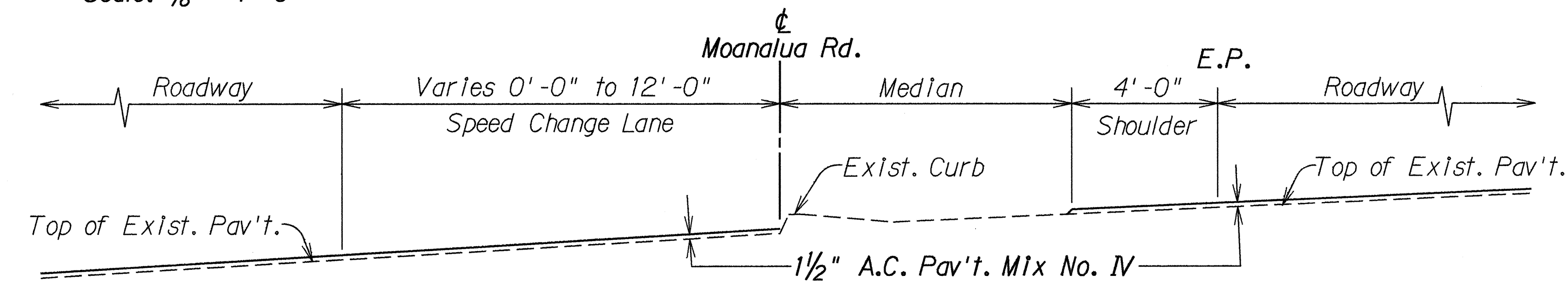
MOANALUA ROAD
CURBED MEDIAN SPEED CHANGE LANES
TANGENT SECTIONS

Scale: $\frac{3}{8}" = 1'-0"$



TYPICAL SECTION - RAMP RESURFACING

Scale: $\frac{3}{8}" = 1'-0"$



MOANALUA ROAD
CURBED MEDIAN SPEED CHANGE LANES
(SUPERELEVATED SECTIONS)

Scale: $\frac{3}{8}" = 1'-0"$

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

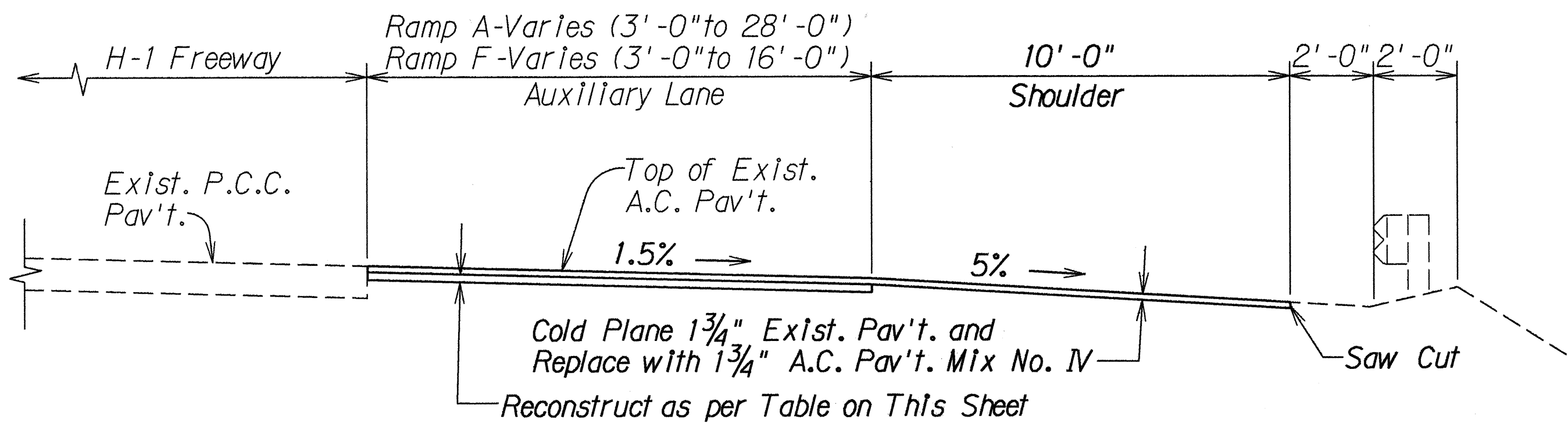
TYPICAL SECTIONS

INTERSTATE ROUTE H-1
Waiau Interchange Resurfacing,
On and Off Ramps and Moanalua Road
F.A.I. PROJECT NO. IM-H1-1(217)

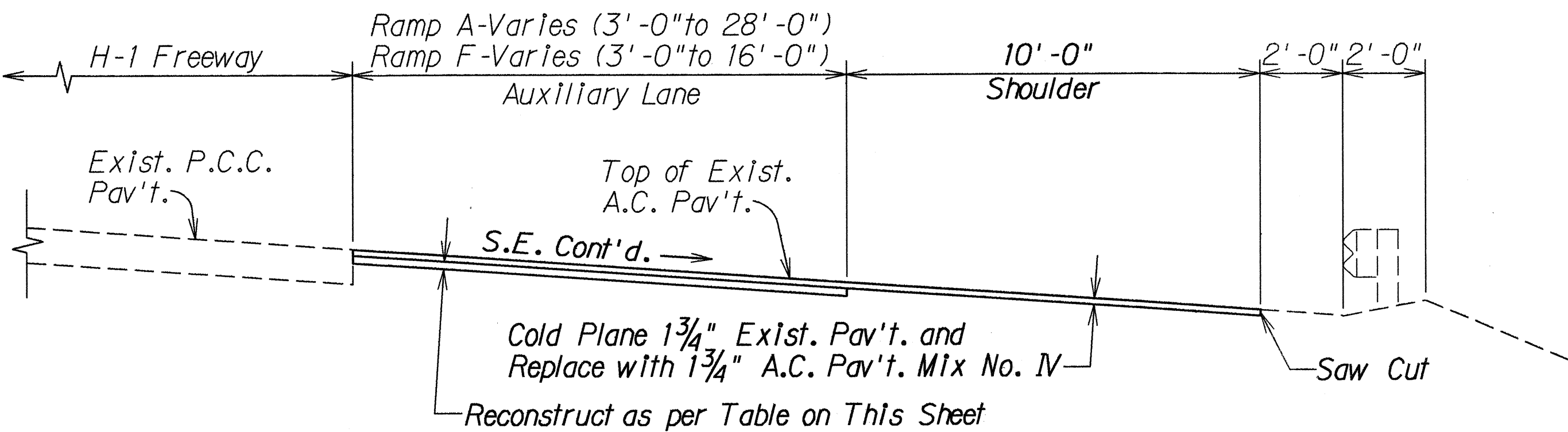
Scale: As Shown Date: March, 1992

SHEET No. 1 OF 4 SHEETS

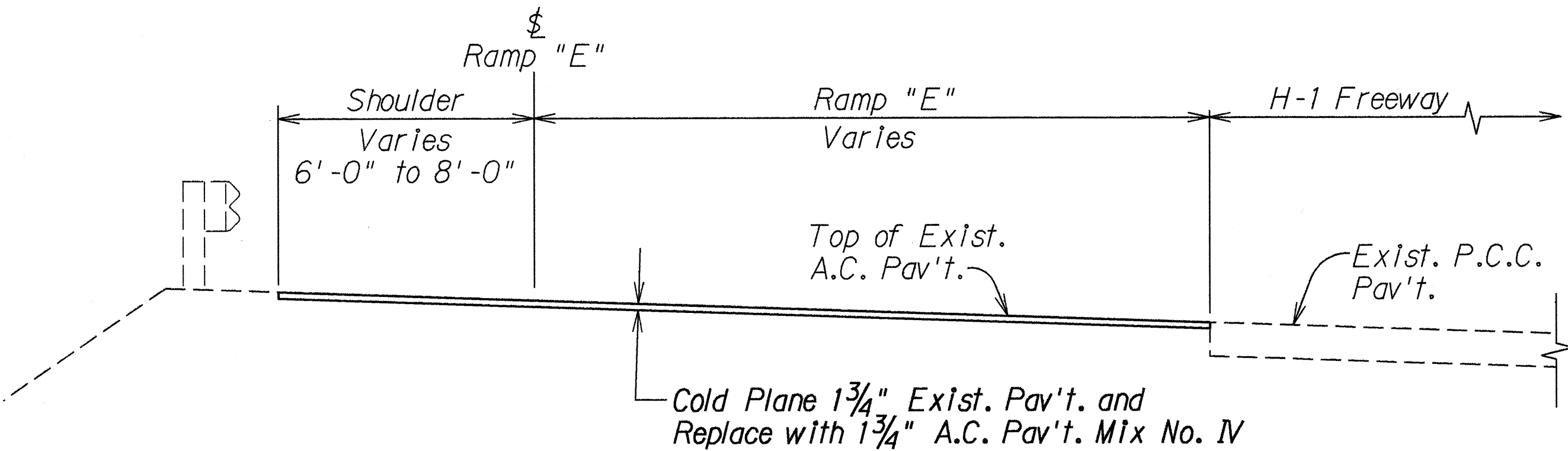
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(217)	1992	5	29



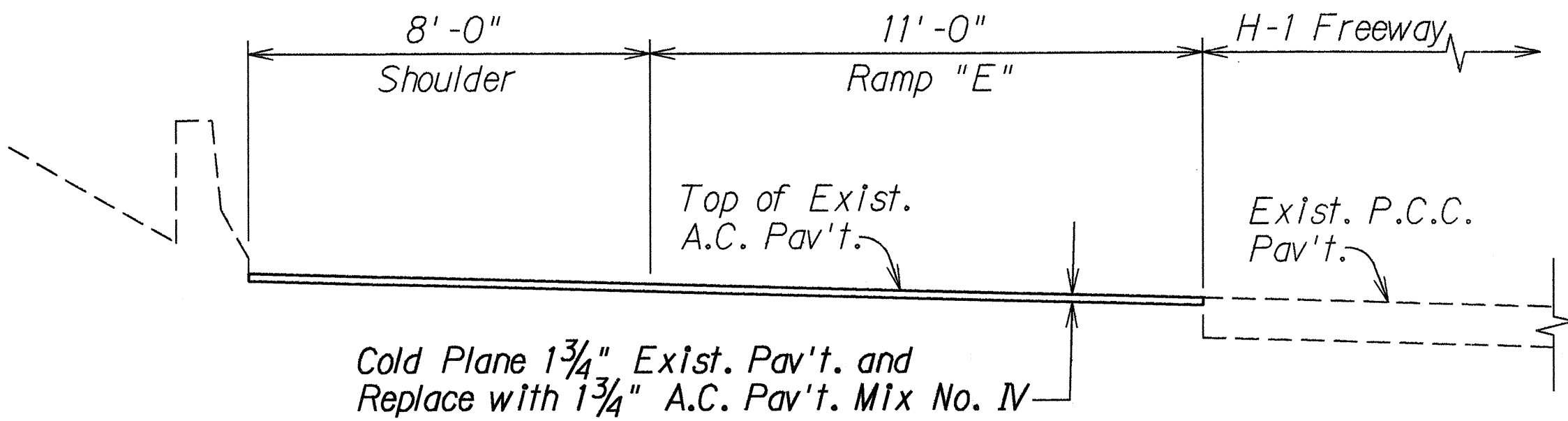
TYPICAL TANGENT SECTION-AUXILIARY LANES
 Ramp A - Moanalua Structure to H-1 @ Sta. 103+00
 Ramp F - Moanalua Structure to Pearl City Viaduct
 Scale: 3/8" = 1'-0"



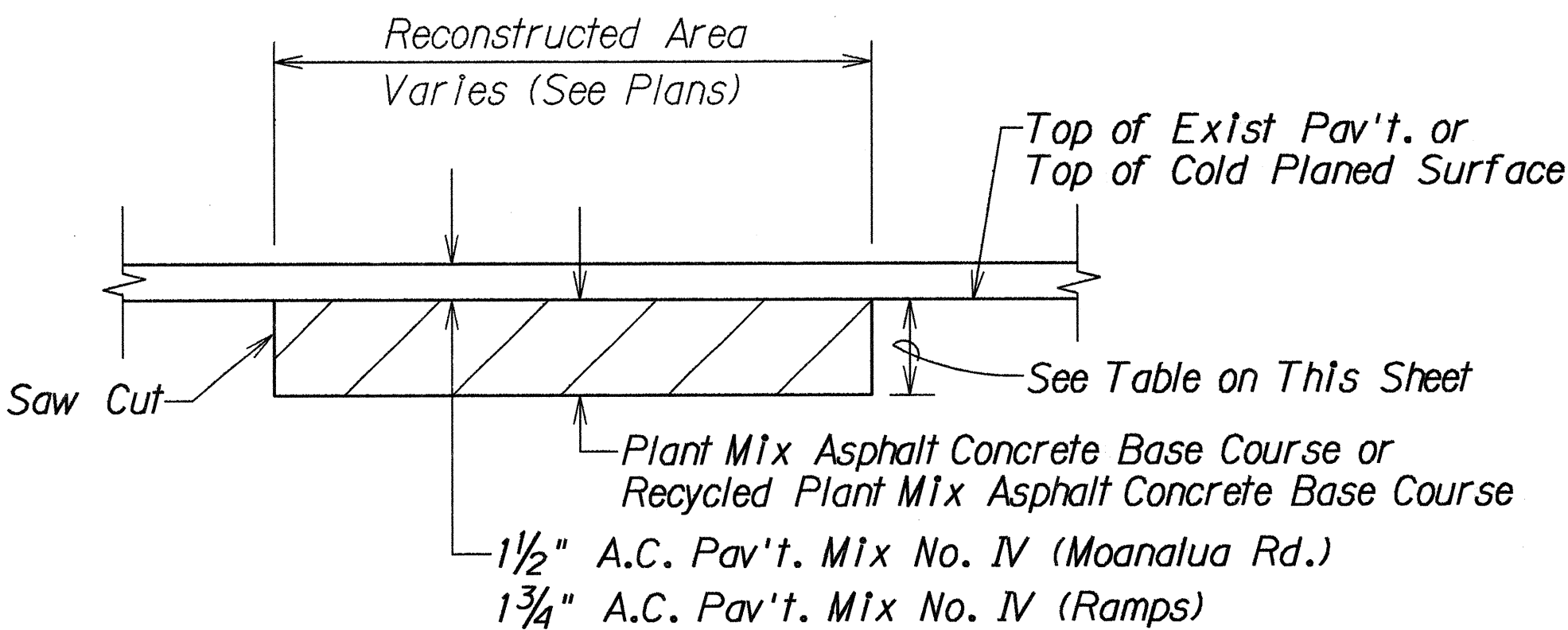
TYPICAL SUPERELEVATED SECTION-AUXILIARY LANES
 Ramp A - Moanalua Structure to H-1 @ Sta. 103+00
 Ramp F - Moanalua Structure to Pearl City Viaduct
 Scale: 3/8" = 1'-0"



TYPICAL SECTION
 Ramp "E" Sta. 24+40± to Sta. 29+70±
 Scale: 3/8" = 1'-0"



TYPICAL SECTION
 Ramp "E" Sta. 29+70± to Sta. 42+11.74
 Scale: 3/8" = 1'-0"



TYPICAL RECONSTRUCTION AREA
 Not to Scale

LOCATION	RECONSTRUCTION DEPTH *
Moanalua Rd.	5 1/2"
Ramp "A"	2 1/4" or 4"
" "B"	4"
" "C"	1 3/4" or 3 1/2"
" "E"	4 3/4"
" "F"	1 3/4" or 3 1/2"
" "G"	3 1/2"

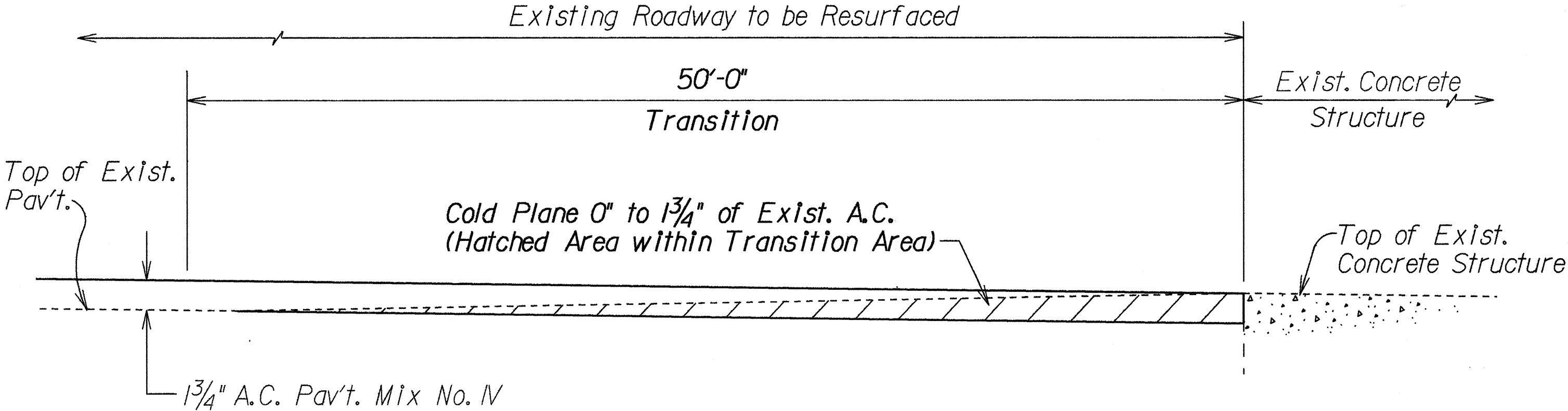
* NOTE:
 All ramps shall be reconstructed down to the top of the existing cement treated base.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

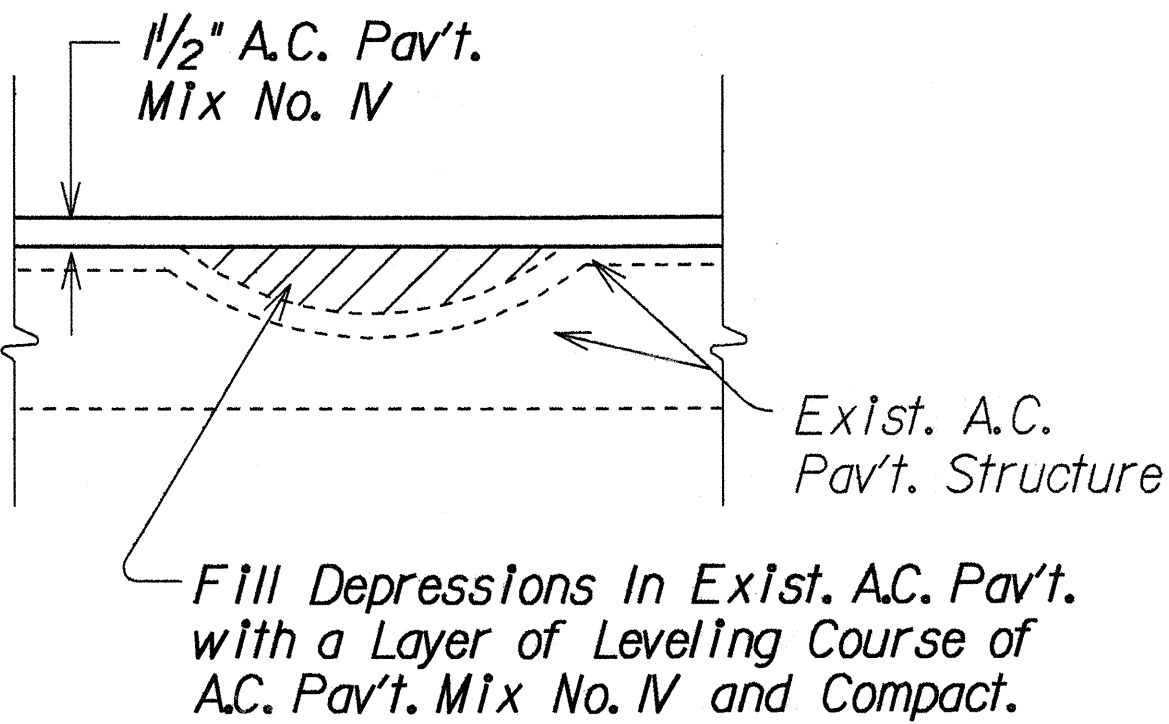
TYPICAL SECTIONS
INTERSTATE ROUTE H-1
Waiʻālu Interchange Resurfacing,
On and Off Ramps and Moanalua Road
F.A.J. PROJECT NO. IM-H1-1(217)
Scale: As Shown Date: March, 1992
SHEET No. 2 OF 4 SHEETS

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
IN CHARGE	_____
NOTED BY	_____
QUANTITIES BY	_____
PLANNED BY	_____
REVIEWED BY	_____
APPROVED BY	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(217)	1992	6	29

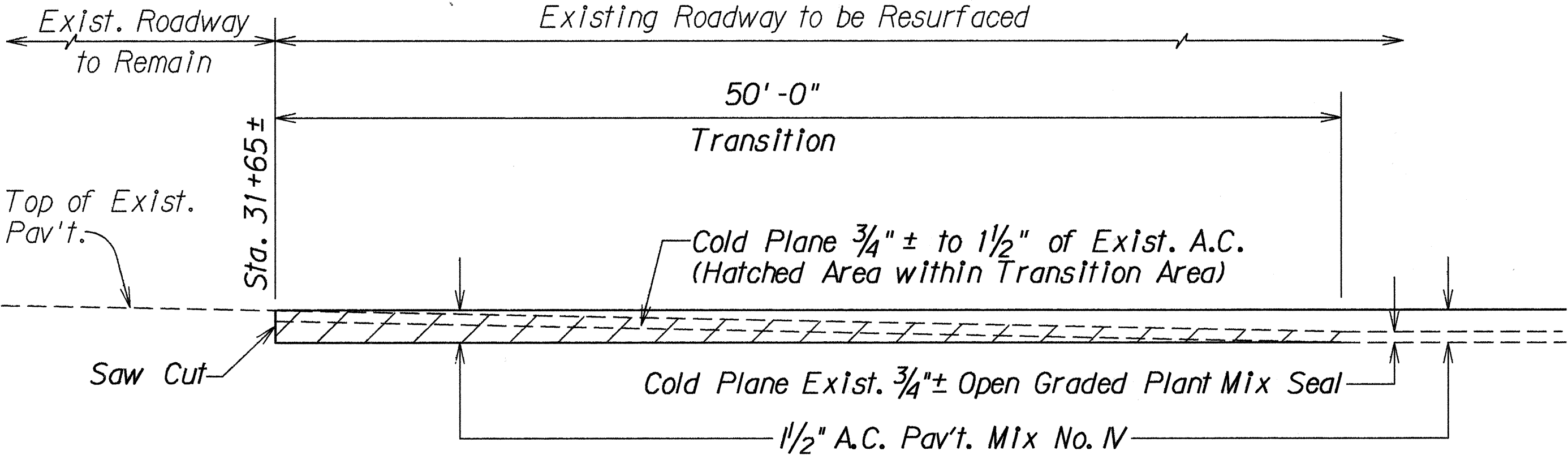


TYPICAL DETAIL - TRANSITION AT CONCRETE STRUCTURE
Not to Scale

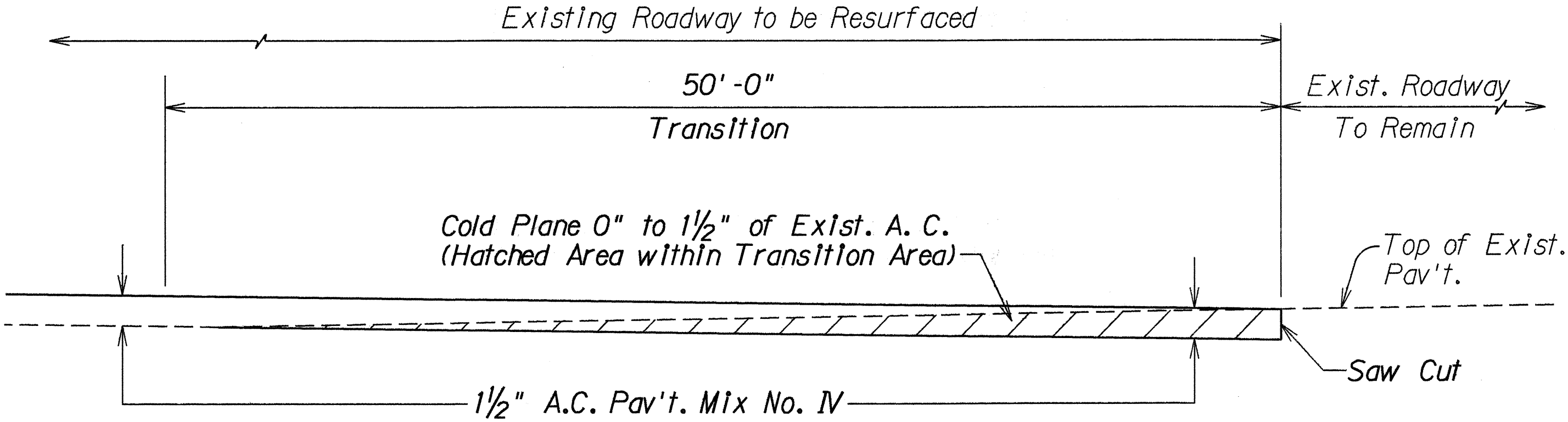


NOTE: Prior to filling depression with Leveling Course, the depression shall be thoroughly cleaned of any dust and debris.

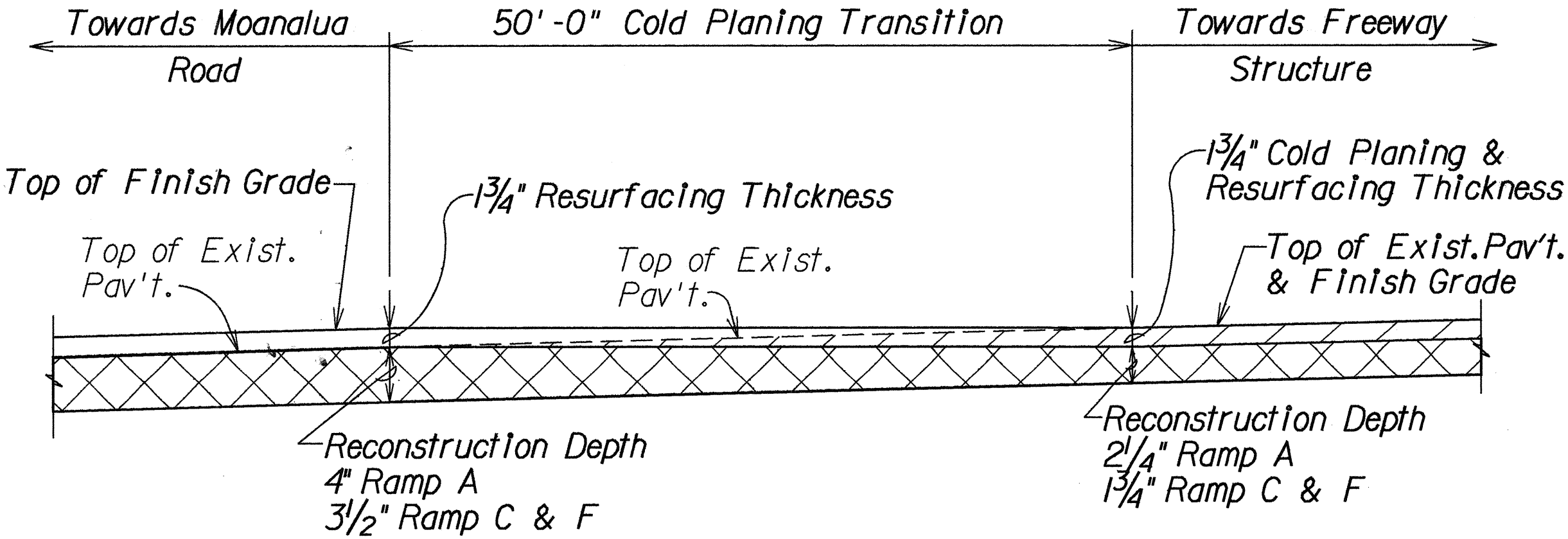
LEVELING COURSE DETAIL
Not To Scale



RESURFACING DETAIL AT MOANALUA RD. STA. 31+65±
Not to Scale



RESURFACING DETAIL AT MOANALUA RD. STA. 59+51.61
Not to Scale



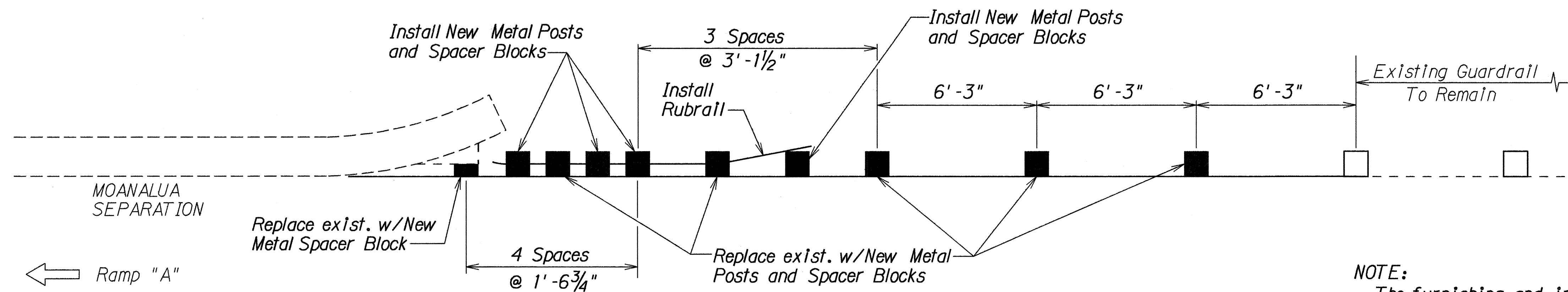
TYPICAL LONGITUDINAL SECTION
TRANSITION COLD PLANING AT RAMPS A, C & F
Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	

5/21/92	Added Typical Longitudinal Section of Transition Cold Planing of Ramps A, C & F and Revised Leveling Course Detail per Add. No. 1
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
MISC. DETAILS
INTERSTATE ROUTE H-1 Waiau Interchange Resurfacing, On and Off Ramps and Moanalua Road F.A.I. PROJECT NO. IM-H1-1(217)
Scale: As Shown Date: March, 1992
SHEET No. 3 OF 4 SHEETS

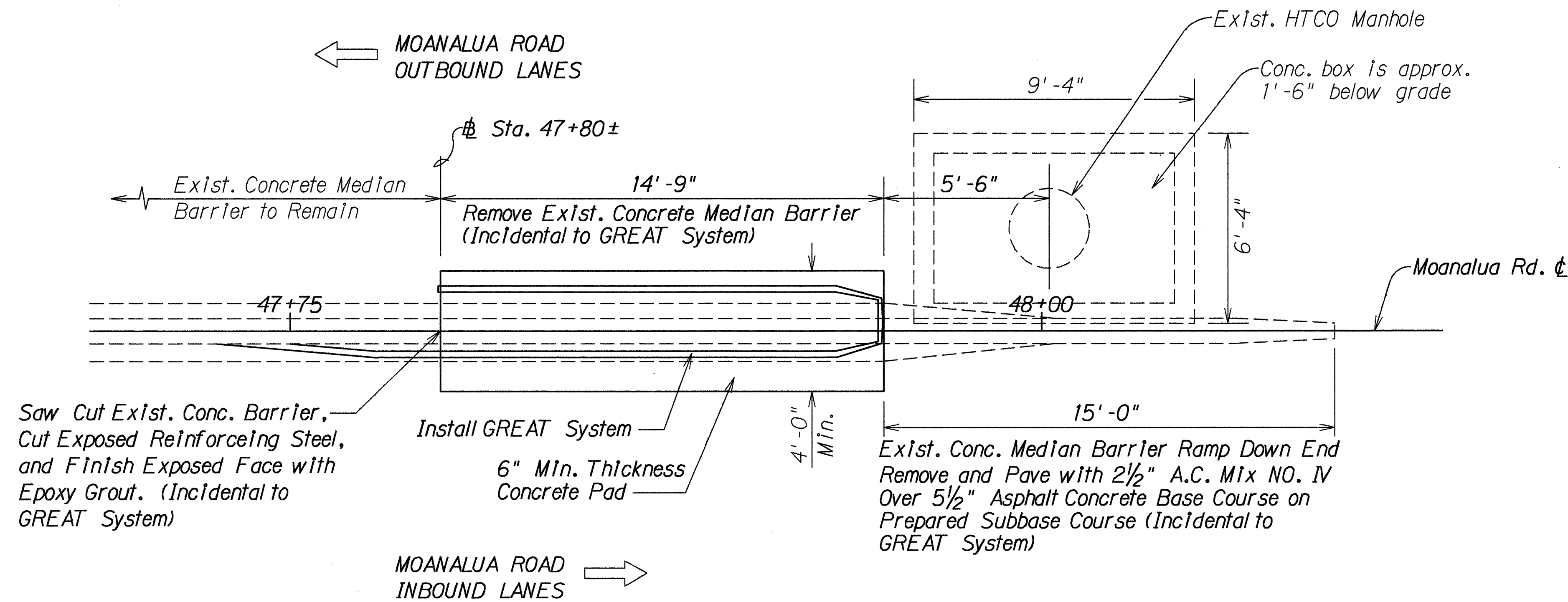
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(217)	1992	7	29



**GUARDRAIL DETAIL @
RAMP "A" STA. 13+50± RT.**

Scale: 3/8" = 1' - 0"

NOTE:
The furnishing and installing of the additional metal posts, spacer blocks, and rubrail and the removal and disposal of existing guardrail, will not be paid for separately, but shall be considered incidental to Item No. 606.3110 - Guardrail, Type 3-Single with Steel Posts.



**GREAT SYSTEM DETAIL
MOANALUA RD. - STA. 47+80±**

Scale: 3/8" = 1' - 0"

NOTE:

1. The GREAT system at Moanalua Rd. Sta. 43+70± shall be similar except the placement shall be at the existing median barrier ramp down end.
2. All work associated with the GREAT System shall be as directed and approved by the Engineer.

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
QUANTITIES BY	_____
PLANNED BY	_____
ORIGINAL PLAN	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISC. DETAILS

**INTERSTATE ROUTE H-1
Waiau Interchange Resurfacing,
On and Off Ramps and Moanalua Road
F.A.I. PROJECT NO. IM-H1-1(217)**

Scale: As Shown Date: April, 1992

SHEET No. 4 OF 4 SHEETS