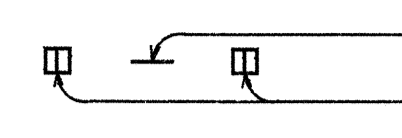
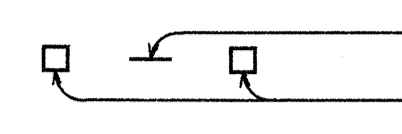
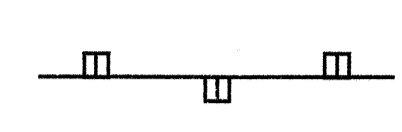
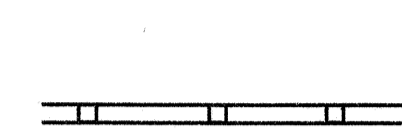


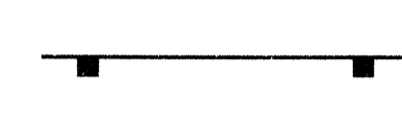
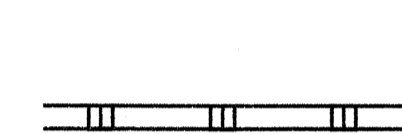



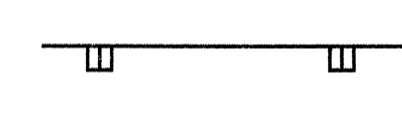
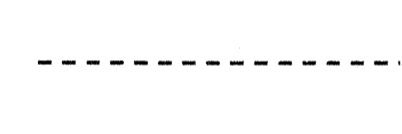
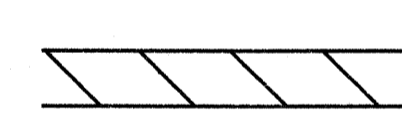
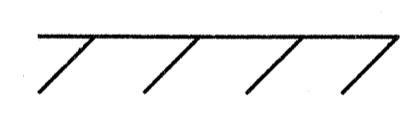
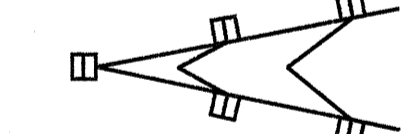

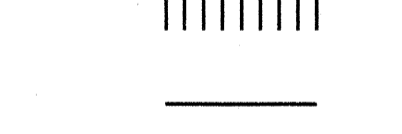


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	50	65

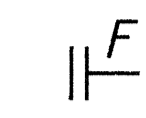
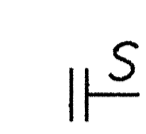
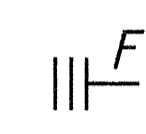
LEGEND

-  4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 40'-0" o.c.
-  4 each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion))
-  4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion))
-  4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion))
-  4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion except for bus bays)
-  Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)
-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type III or Thermoplastic Extrusion)
-  4 Each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
Type H Raised Pavement Markers (Reflective Surface facing no-passing direction)
4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)
-  Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c. (Tape, Type III or Thermoplastic Extrusion)

NOTES

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. Backing for all new Regulatory and Warning Signs shall not be spliced.
10. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - b. "Standard Highway Signs"
 - c. "Standard Alphabets for Highway Signs"
11. Border, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
12. Sign messages shall be as indicated on the plan.
13. All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
14. Removal of existing Delineators and Posts as directed by the Engineer shall be considered incidental to the various signing items.

REFLECTOR MARKER LEGEND

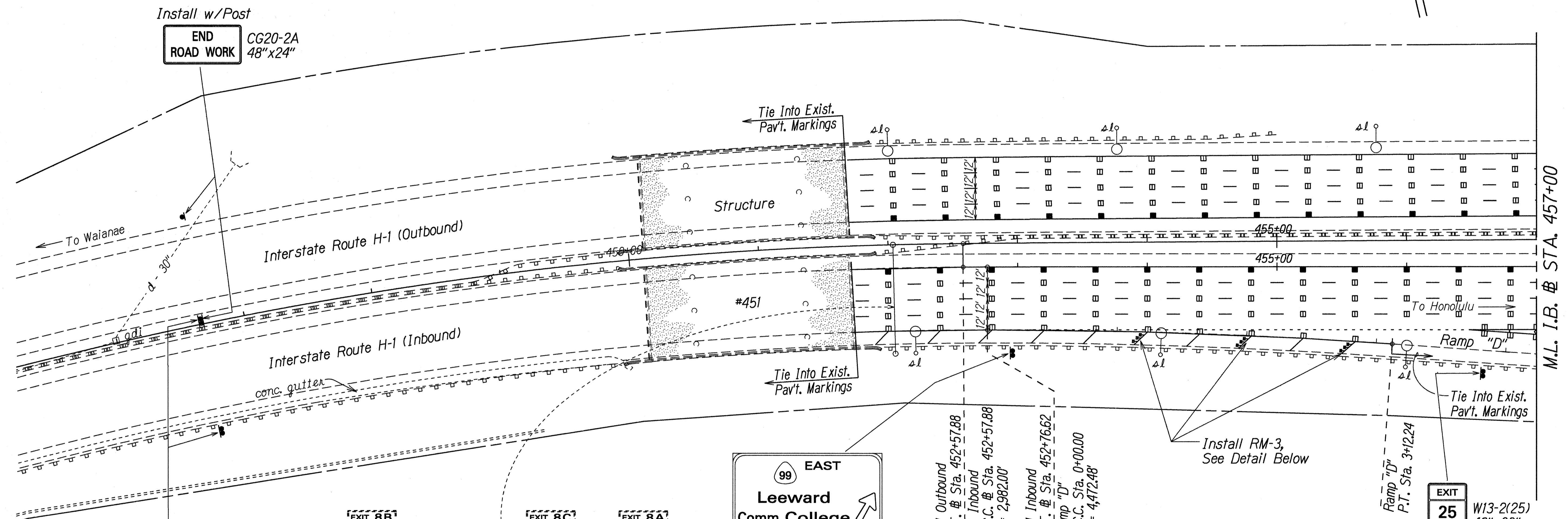
-  RM-2 Reflector Marker w/Flexible Delineator Post
-  RM-2 Reflector Marker w/Steel Post
-  RM-3 Reflector Marker w/Flexible Delineator Post

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
for ruby	
DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKING
LEGEND, & NOTES
INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)
Date: April, 1997

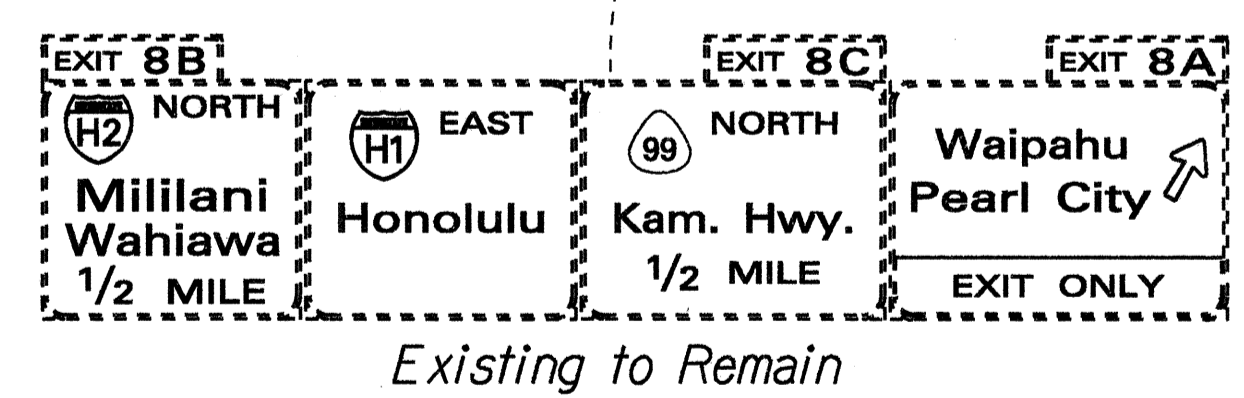
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	51	65

TRUE NORTH
SCALE: 1" = 40'



Install w/Post
END ROAD WORK
CG20-2A
48"x24"

ROAD WORK AHEAD
CW20-1Ad
48"x48"
Install w/Posts



99 EAST
Leeward Comm College

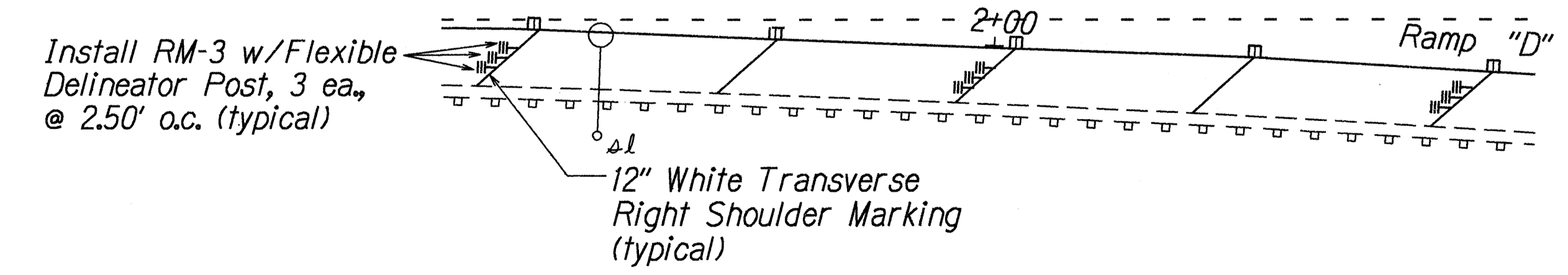
D-1
H-1 @ Sta. 453+00± Rt.
Remove & Dispose Exist. Sign and Posts. Install New w/Posts. For Sign Detail & Frame Layout, See Sht. Nos. T12 & T13

H-1 Outbound
P.T. @ Sta. 452+57.88
H-1 Inbound
P.C.C. @ Sta. 452+57.88
R = 2,982.00'

H-1 Inbound
P.T. @ Sta. 452+76.62
Ramp "D"
P.C.C. @ Sta. 0+00.00
R = 4,472.48'

Install RM-3,
See Detail Below

EXIT 25
W13-2(25)
48"x60"
Remove Exist. Sign & Posts and Install New w/Posts



RM-3 INSTALLATION - RAMP "D" SHOULDER

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO. _____	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

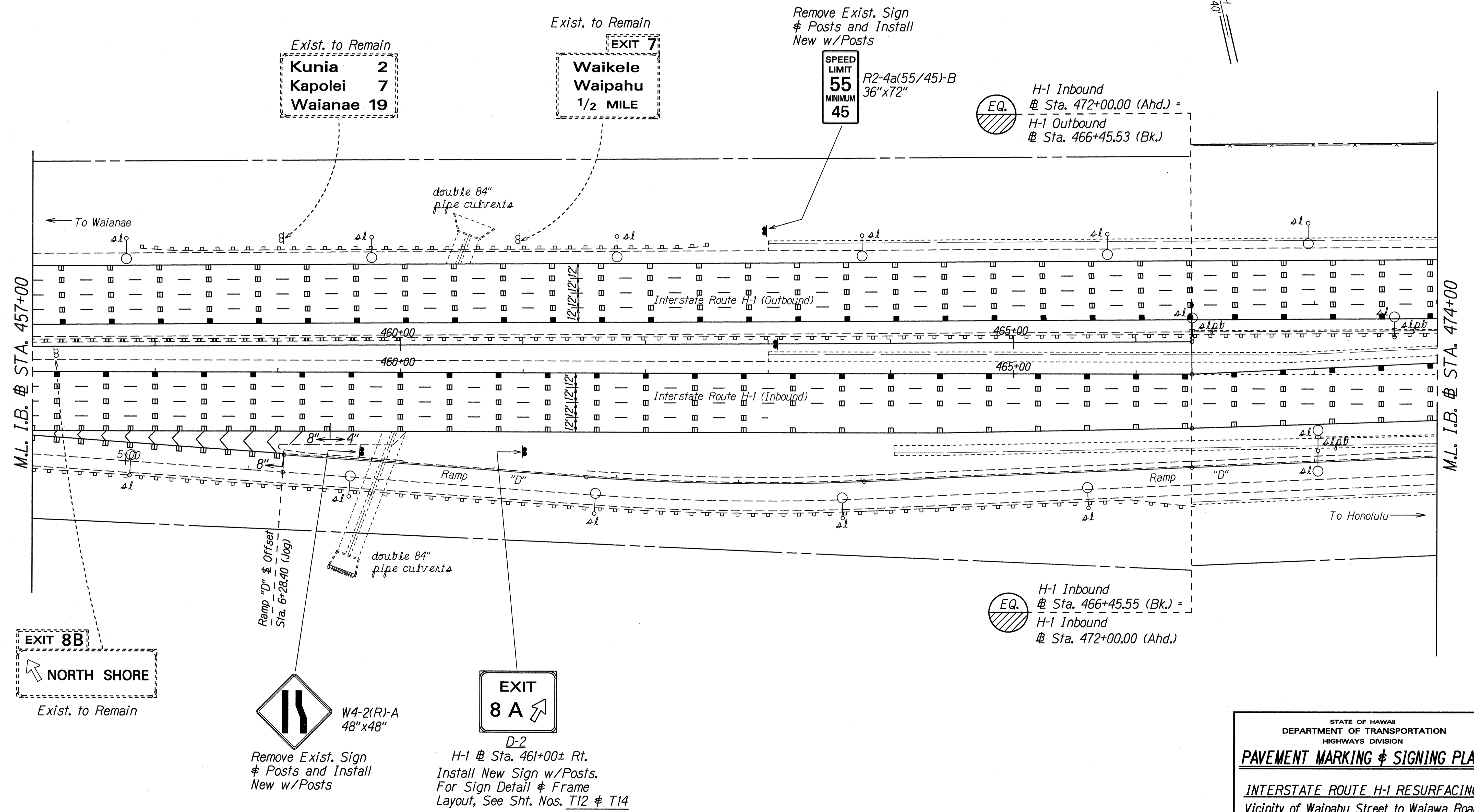
INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997

SHEET No. T2 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	52	65

TRUE NORTH
SCALE: 1" = 40'



SURVEY PLOTTED BY	DATE
DRAWN BY	4/26/97
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

*INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waialele Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)*

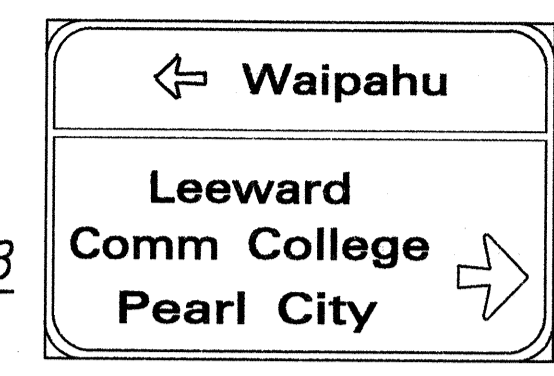
Scale: 1"=40' Date: April, 1997

SHEET No. T3 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	53	65

TRUE NORTH
SCALE: 1" = 40'

Remove & Dispose Existing Sign and Posts.
For Sign Detail & Frame Layout, See Sht. Nos. T12 & T13



D-3
Ramp "M" Sta. 2+50± Lt.

Install w/Post
CG20-2A
48"x24"
END ROAD WORK

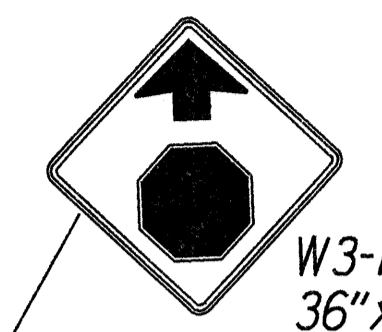
Waipahu Street
P.T. Sta. 3+98.31
Ramp "M"
Sta. 0+00.00

Remove Exist. Milepost Marker & Post and Install New w/Post
D10-4
12"x24"
MILE 8

H-1 O.B. P.C. Sta. 476+54.54
H-2 I.B. to H-1 O.B. P.C. Sta. 476+54.54
R = 1578.12
H-1 I.B. P.C. Sta. 477+24.09
H-1 I.B. to H-2 O.B. P.C. Sta. 477+24.09
R = 2778.00
H-1 I.B. to H-2 O.B. P.C. Sta. 477+41.54
R = 2416.00

Remove Exist. Sign & Post & Install New w/Post
WRONG WAY
R5-1a
36"x24"

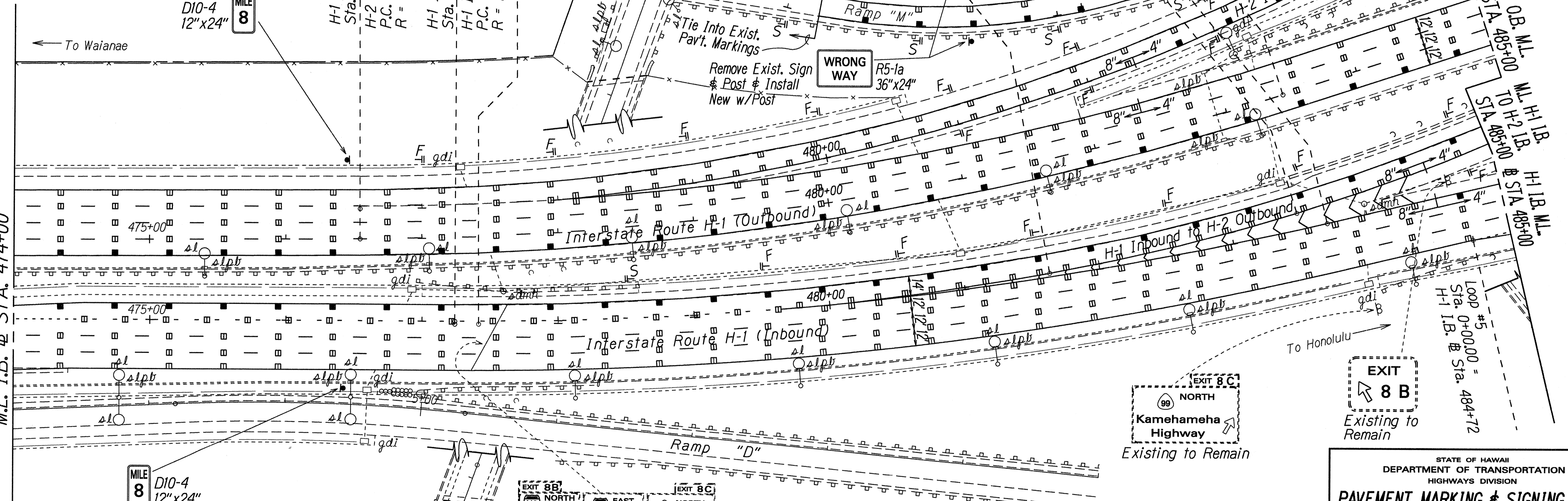
Remove Exist. Sign & Post and Install New w/Post
W3-1a
36"x36"



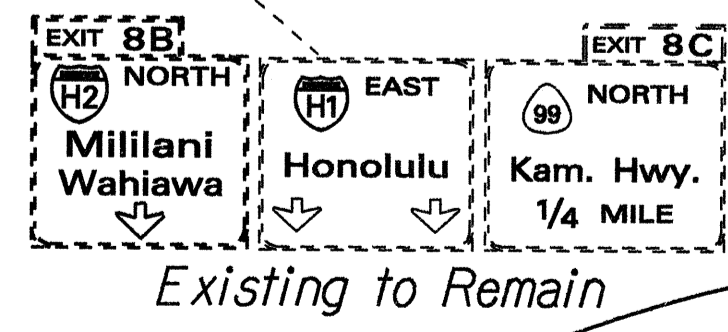
RAMP "M"
M.L. STA. 6+50

H-2 I.B. TO H-1 O.B.
M.L. STA. 485+50

M.L. I.B. Sta. 474+00



Remove Exist. Milepost Marker & Post and Install New w/Post
D10-4
12"x24"
MILE 8



EXIST 8C NORTH
Kamehameha Highway
Existing to Remain

EXIST 8B
Existing to Remain

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

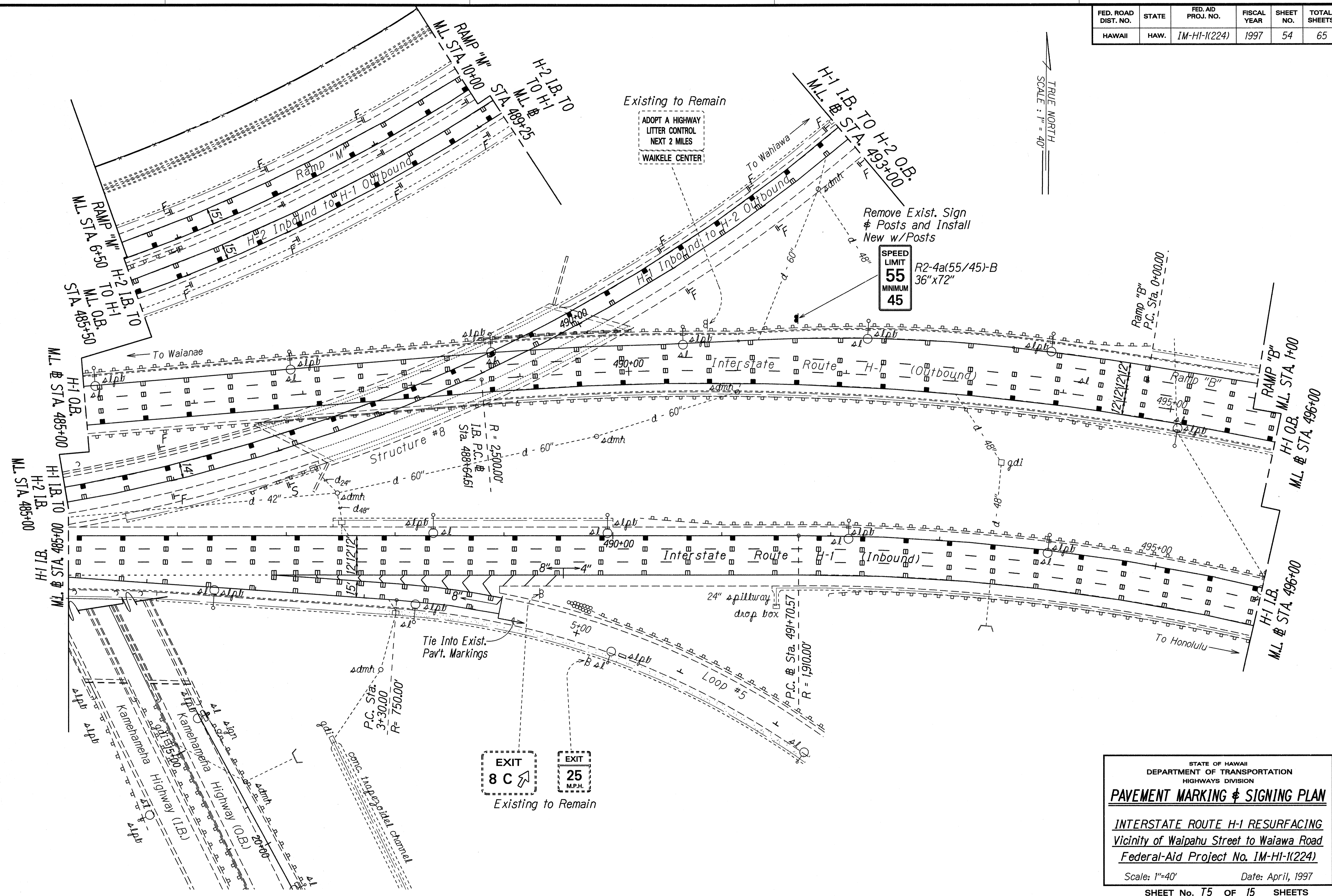
INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997

ORIGINAL PLAN	DATE
NOTE BOOK	4/26/97
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	54	65

TRUE NORTH
SCALE: 1" = 40'



ORIGINAL PLAN	DATE
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

EXIT 8 C
EXIT 25 M.P.H.
Existing to Remain

SPEED LIMIT 55
MINIMUM 45
R2-4a(55/45)-B
36"x72"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

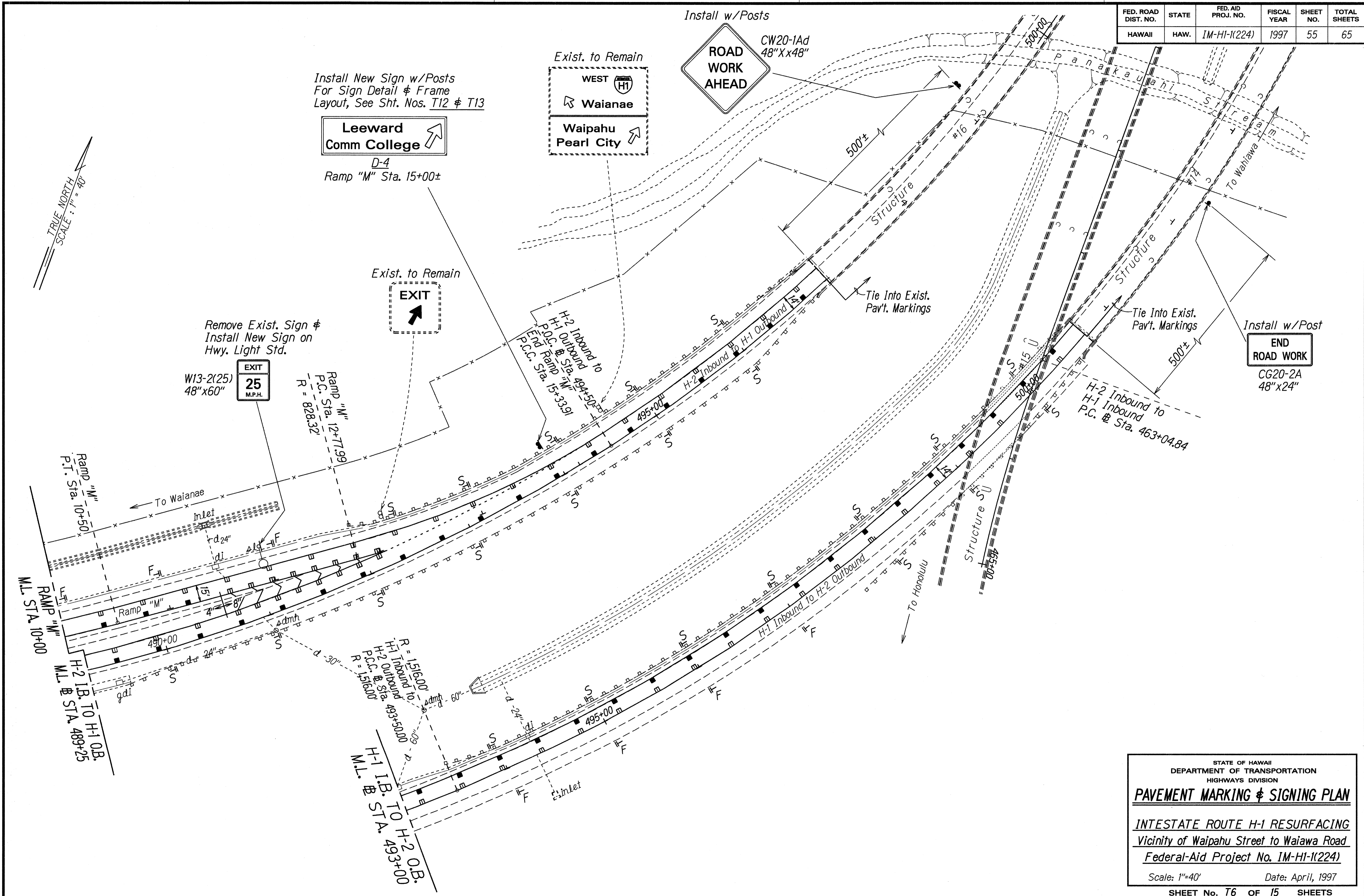
PAVEMENT MARKING & SIGNING PLAN

*INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)*

Scale: 1"=40' Date: April, 1997

SHEET No. 75 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	55	65



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
FOR RUBY	
NO. 11/11/95	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

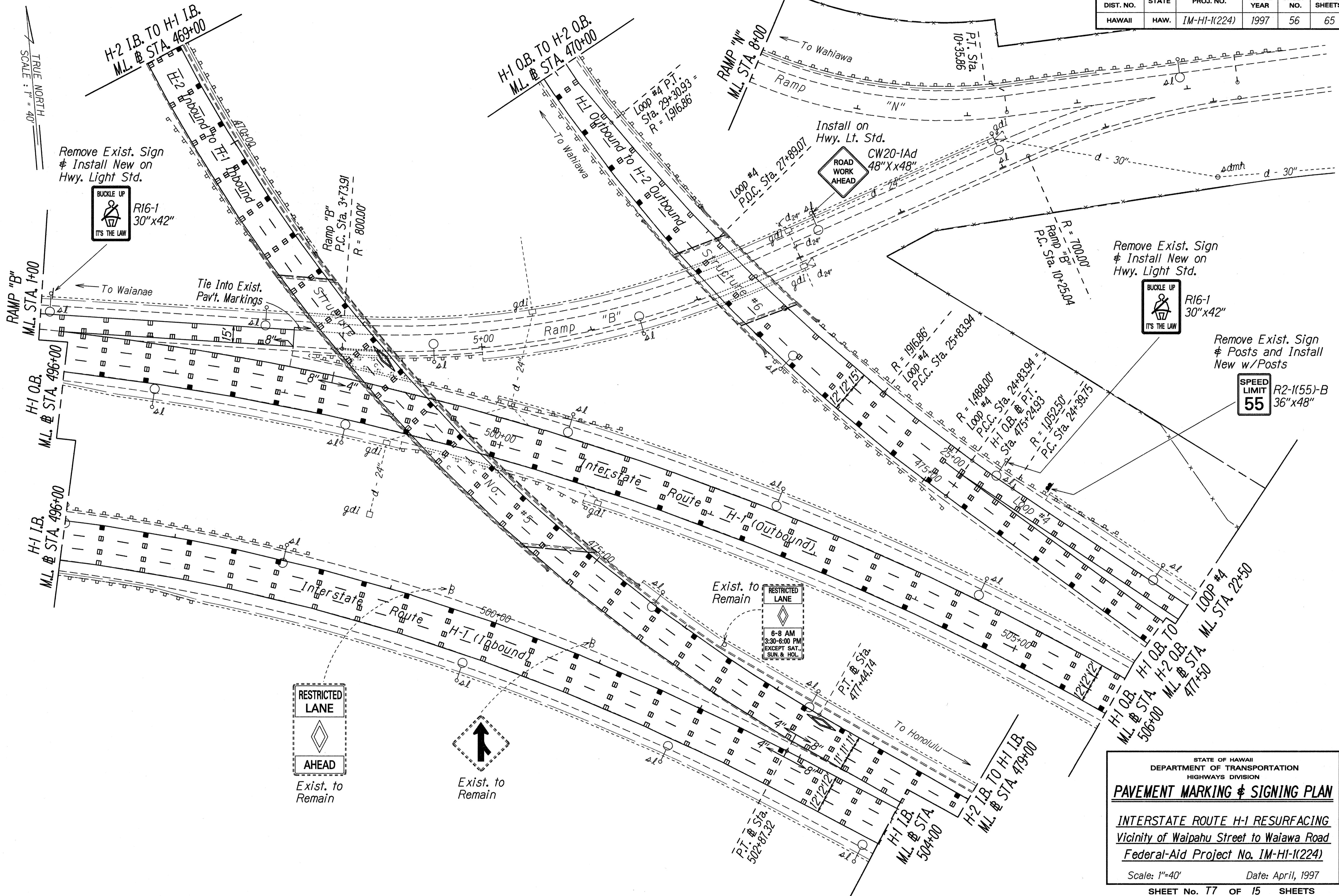
*INTESTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)*

Scale: 1"=40' Date: April, 1997

SHEET No. 76 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	56	65

TRUE NORTH
SCALE: 1" = 40'



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	4/26/97
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

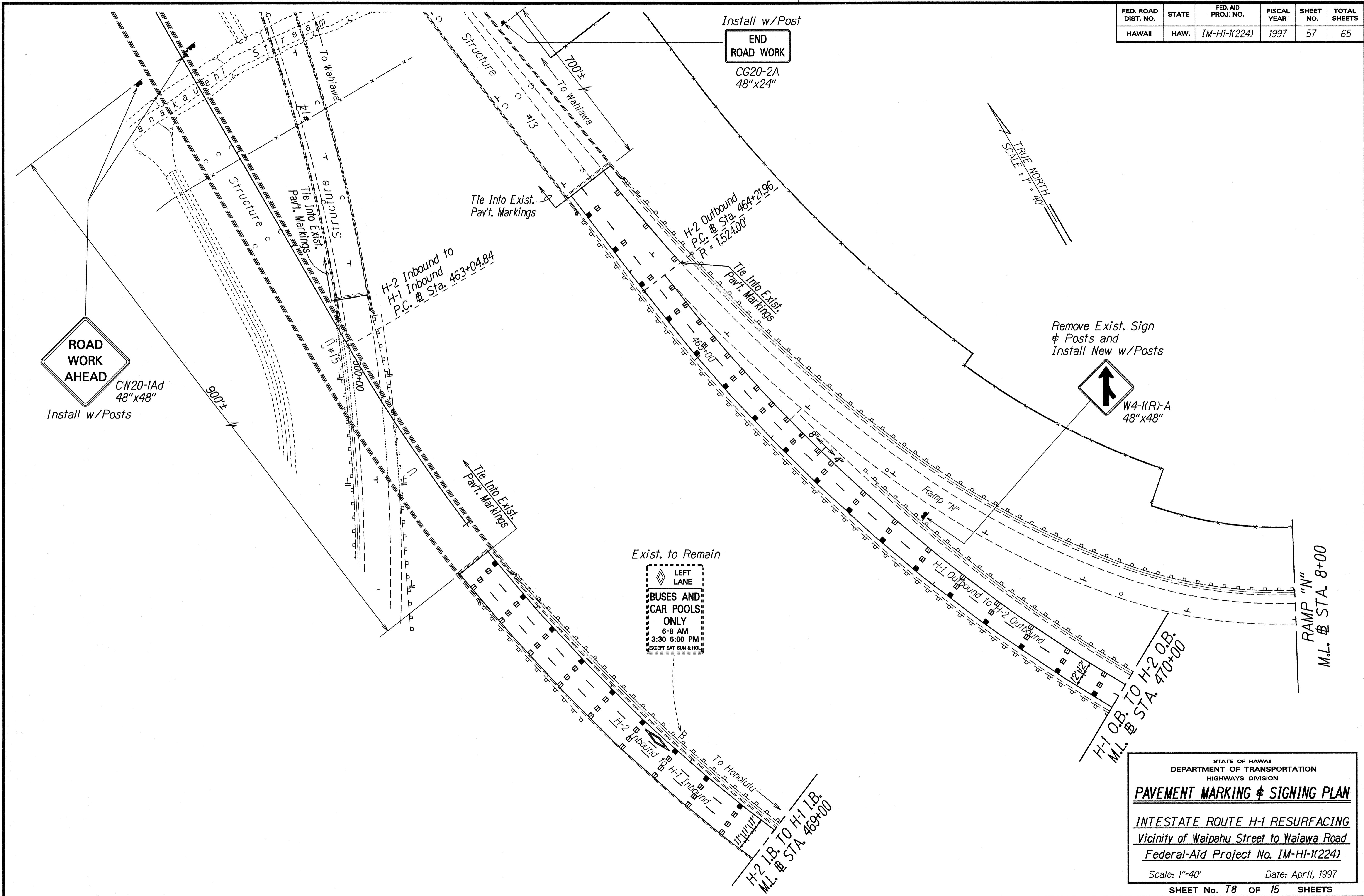
PAVEMENT MARKING & SIGNING PLAN

INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997

SHEET No. 77 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	57	65



SURVEY PLOTTED BY	DATE	4/26/97
DRAWN BY		
TRACED BY		
NOTES BOOK		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

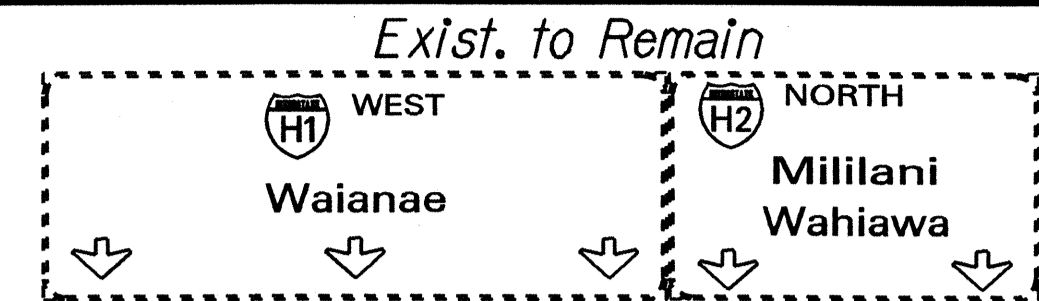
INTESTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997

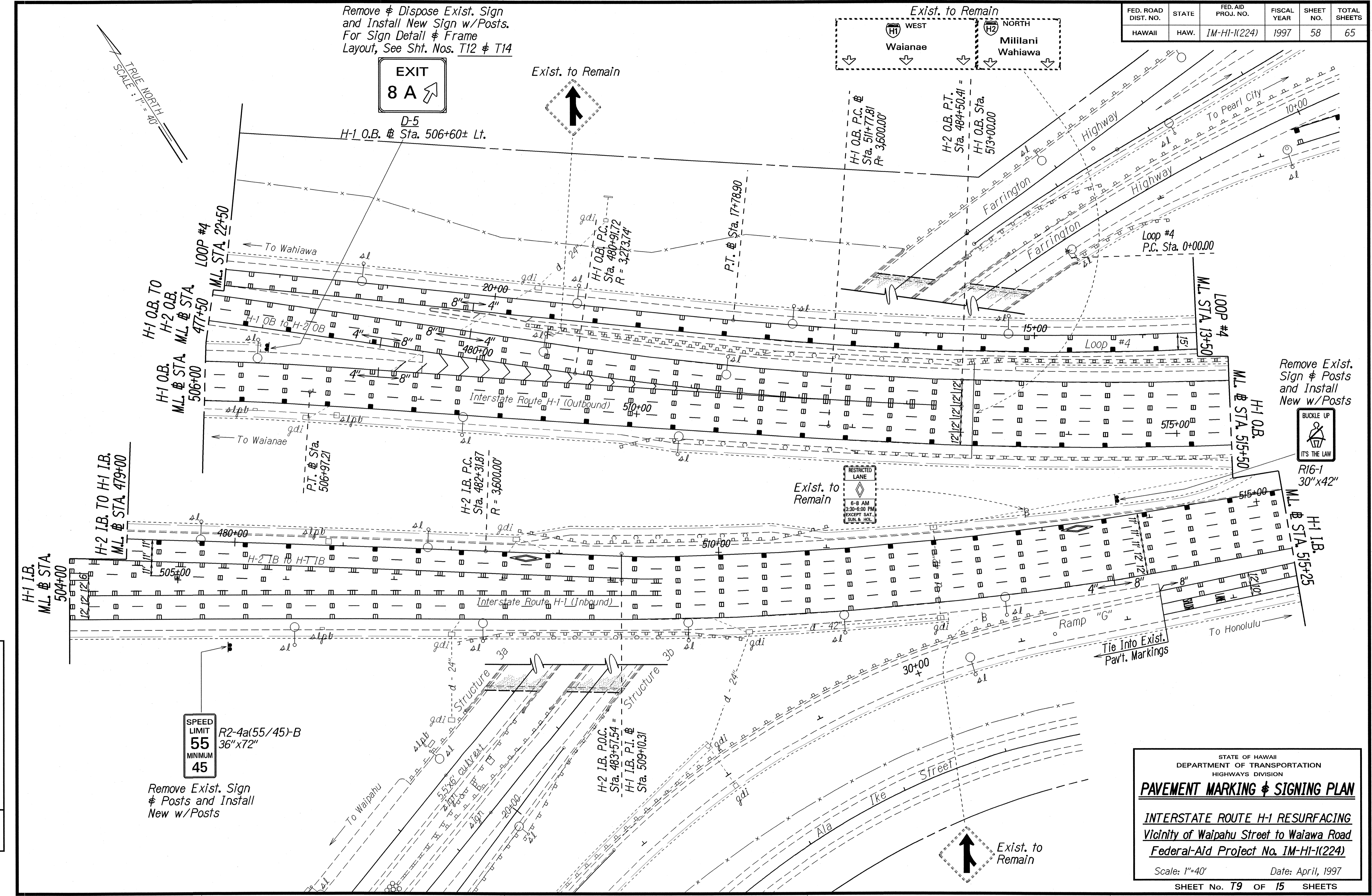
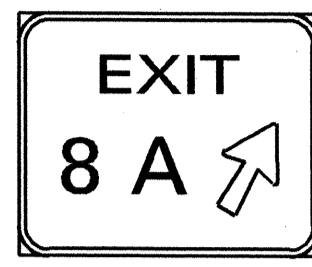
SHEET No. 78 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	58	65

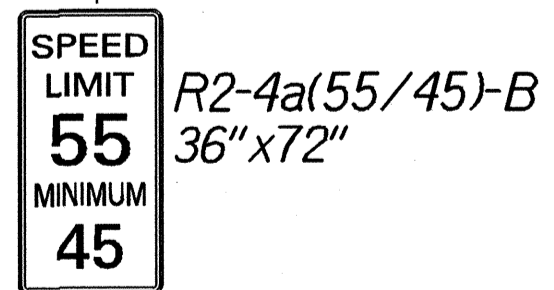
Remove & Dispose Exist. Sign and Install New Sign w/Posts. For Sign Detail & Frame Layout, See Sht. Nos. T12 & T14



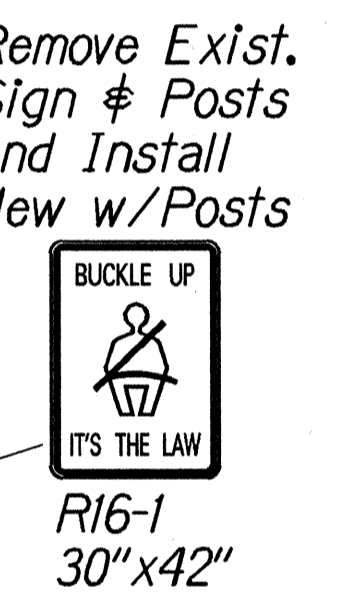
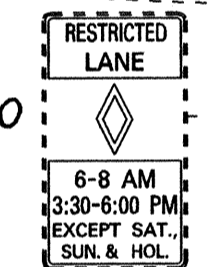
TRUE NORTH
SCALE: 1"=40'



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
DATE	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
DATE	



Remove Exist. Sign & Posts and Install New w/Posts



Remove Exist. Sign & Posts and Install New w/Posts

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

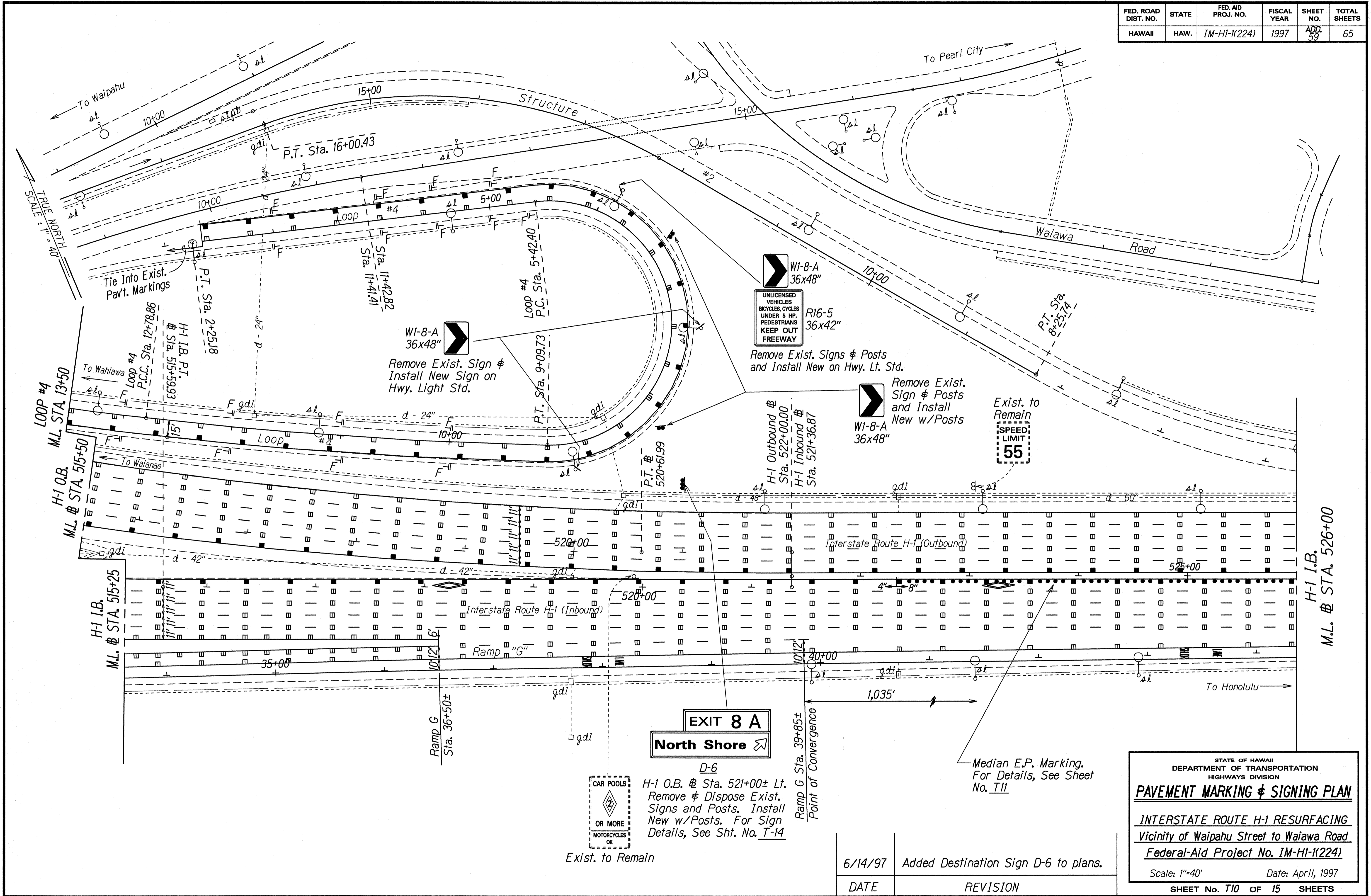
PAVEMENT MARKING & SIGNING PLAN

INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997

SHEET No. 79 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	ADD. 59	65



DATE	4/26/97
SURVEY PLOTTED BY	
DRAWN BY	B. Achi
TRACED BY	G. Kakahi
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

DATE	REVISION
6/14/97	Added Destination Sign D-6 to plans.

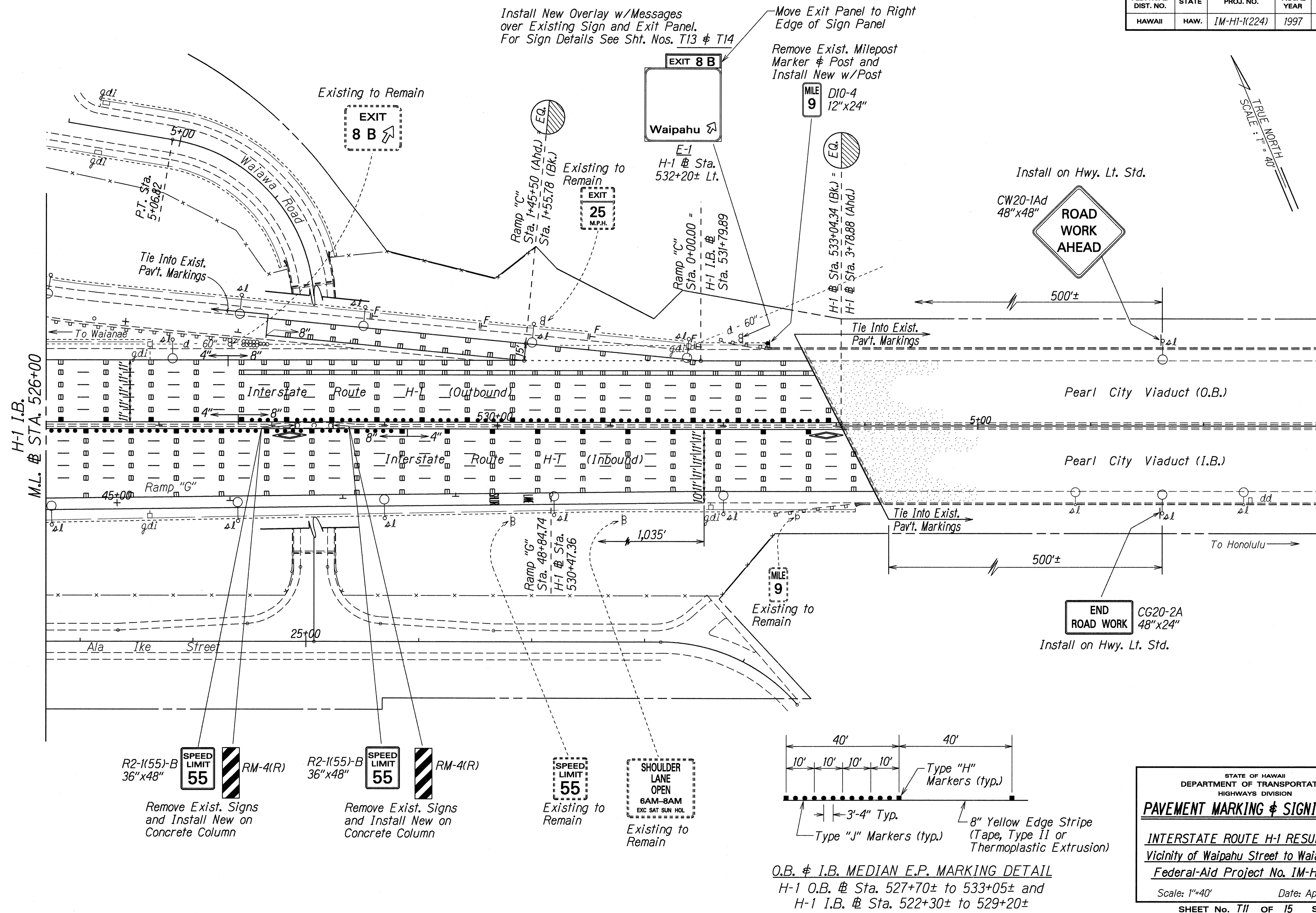
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997
SHEET No. T10 OF 15 SHEETS

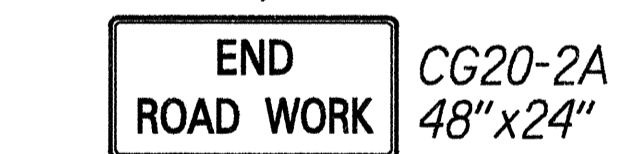
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	60	65



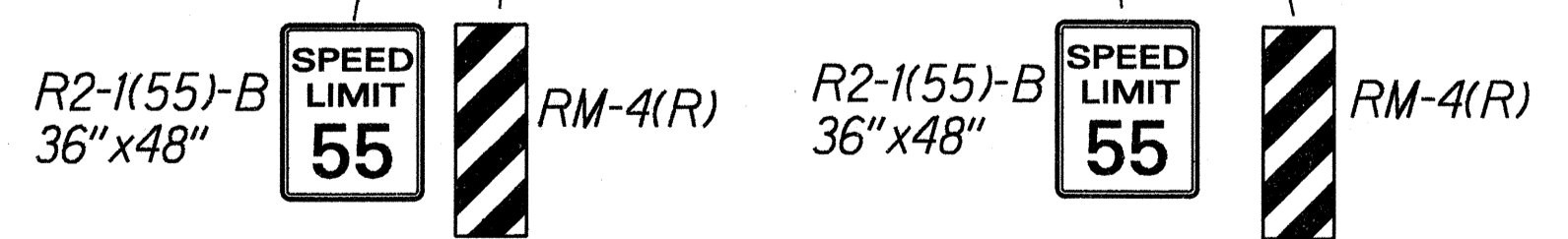
Install New Overlay w/Messages over Existing Sign and Exit Panel. For Sign Details See Sht. Nos. T13 & T14

Move Exit Panel to Right Edge of Sign Panel
Remove Exist. Milepost Marker & Post and Install New w/Post

Install on Hwy. Lt. Std.

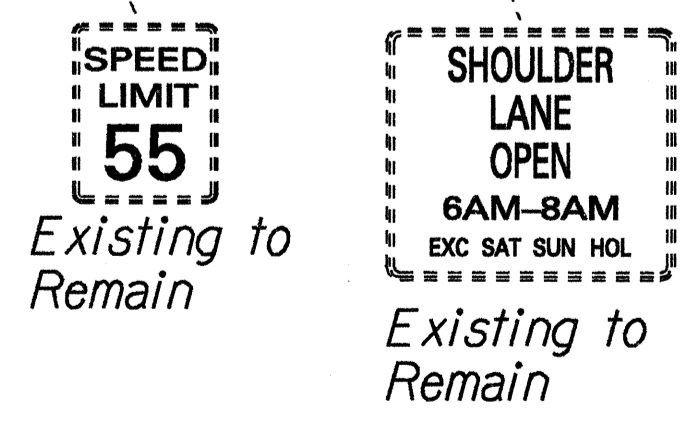


Install on Hwy. Lt. Std.



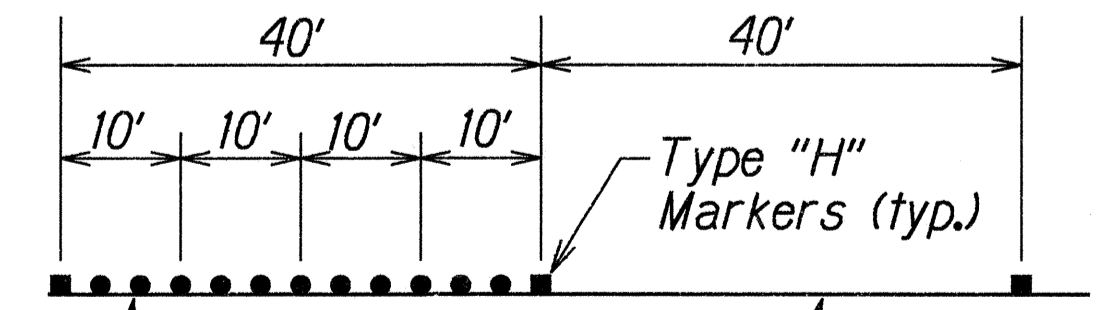
Remove Exist. Signs and Install New on Concrete Column

Remove Exist. Signs and Install New on Concrete Column



Existing to Remain

Existing to Remain



O.B. & I.B. MEDIAN E.P. MARKING DETAIL
H-1 O.B. @ Sta. 527+70± to 533+05± and
H-1 I.B. @ Sta. 522+30± to 529+20±

8" Yellow Edge Stripe (Tape, Type II or Thermoplastic Extrusion)

SURVEY PLOTTED BY	DATE
DRAWN BY	2/15/97
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

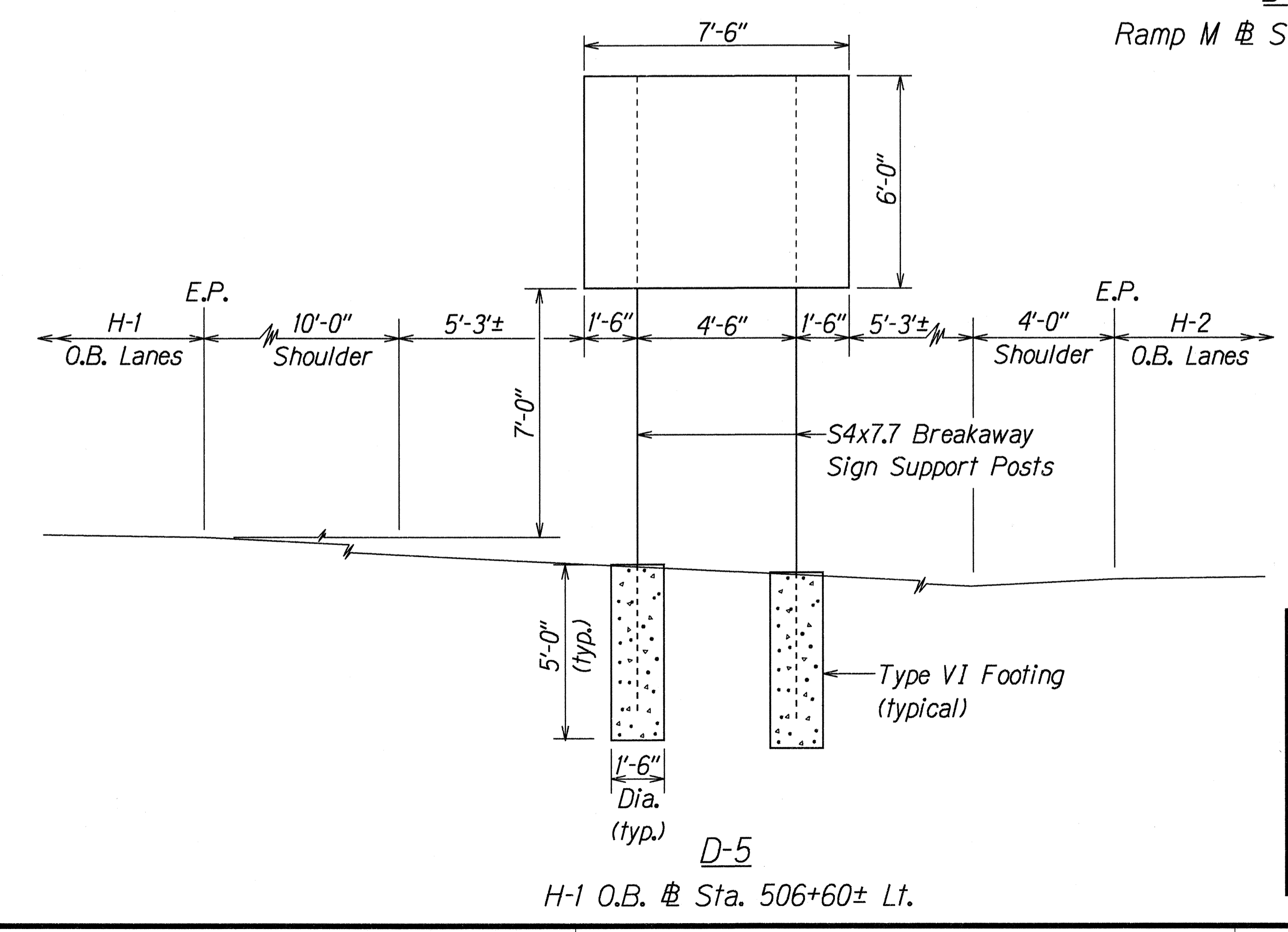
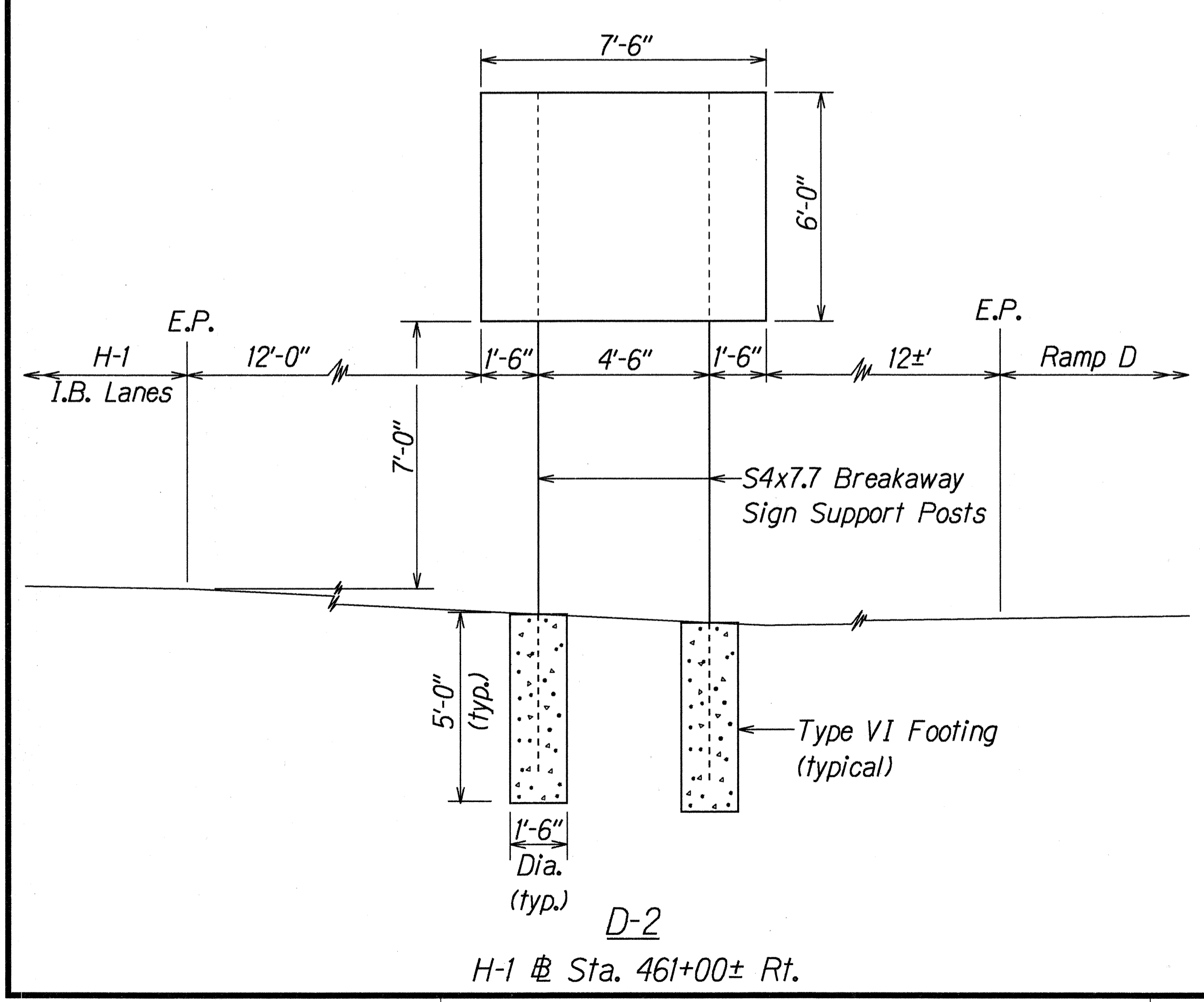
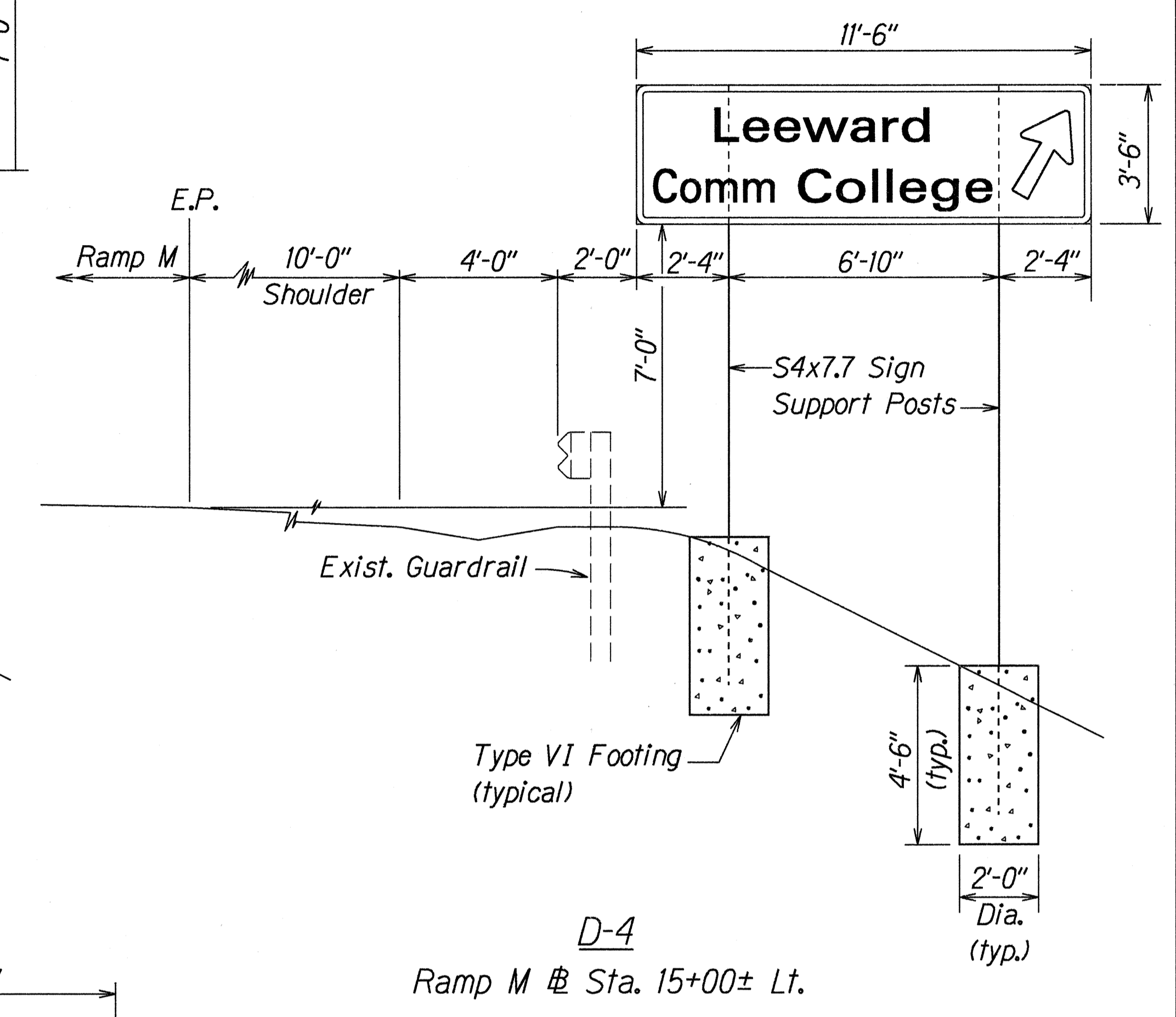
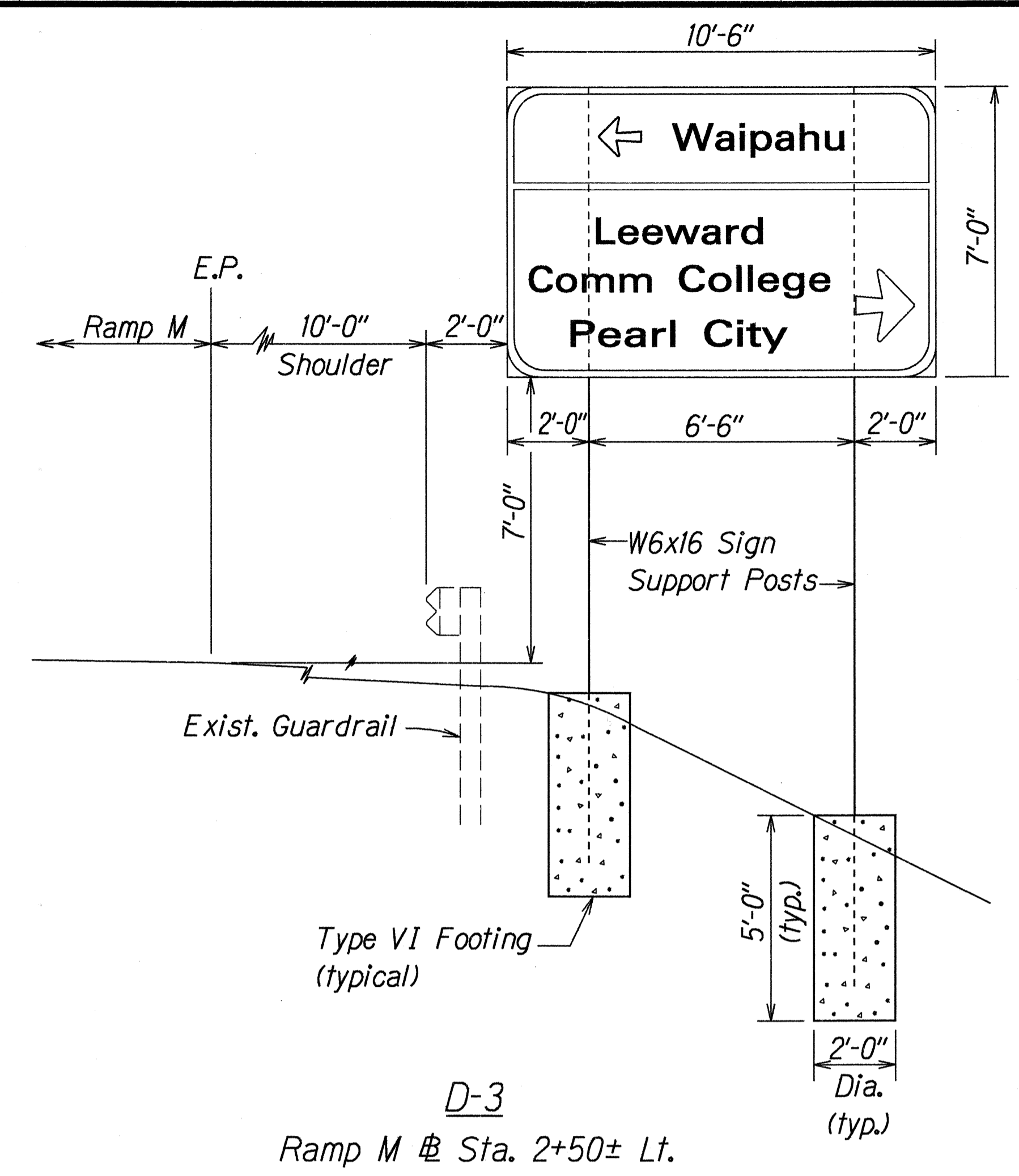
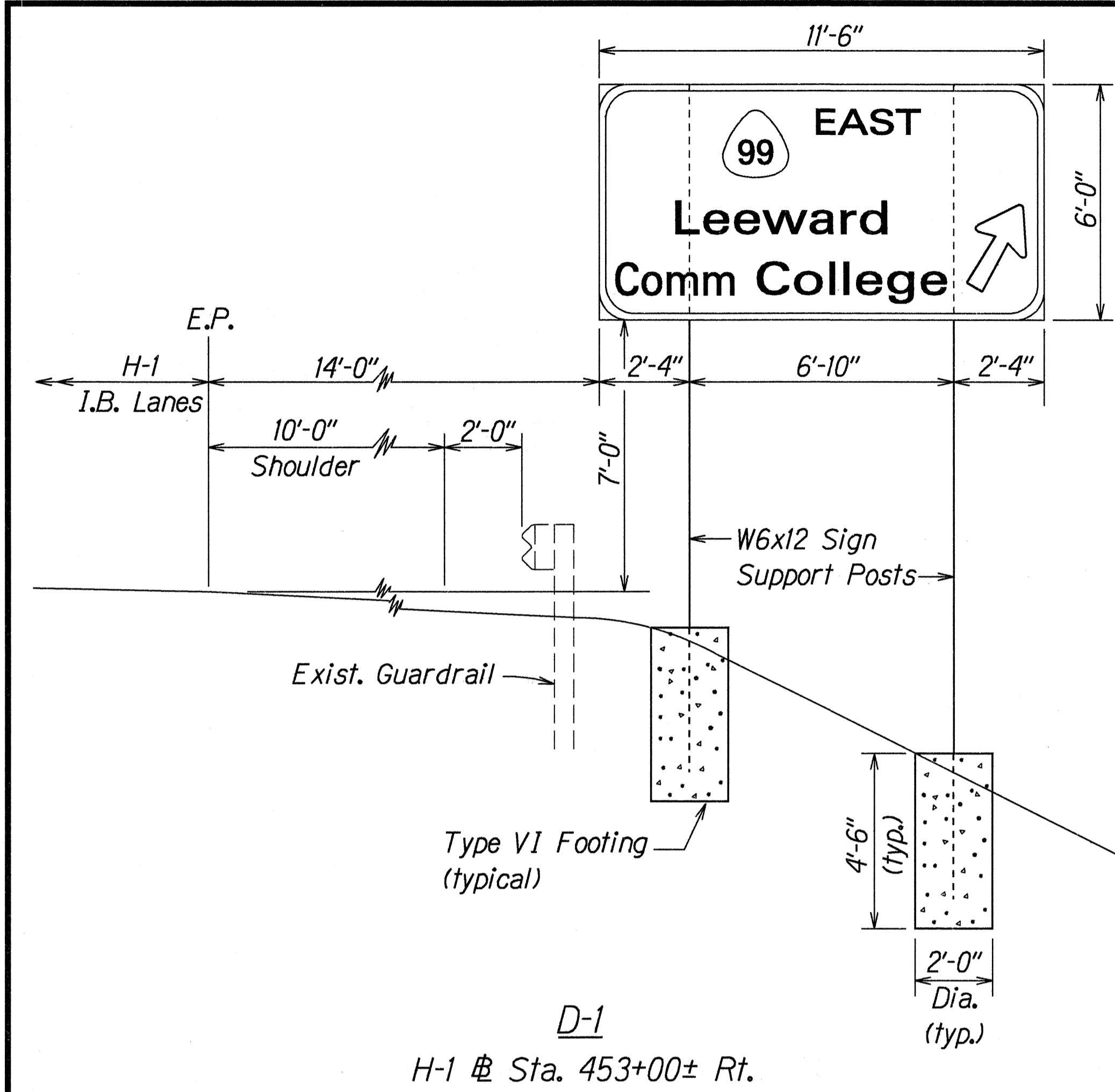
PAVEMENT MARKING & SIGNING PLAN

INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Scale: 1"=40' Date: April, 1997

SHEET No. T11 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	61	65



DATE: 5/26/97
 SURVEY PLOTTED BY: []
 DRAWN BY: H. J. []
 CHECKED BY: []
 ORIGINAL PLAN: []
 NOTE BOOK: []
 QUANTITIES BY: []
 CHECKED BY: []

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

FRAME LAYOUT DETAILS

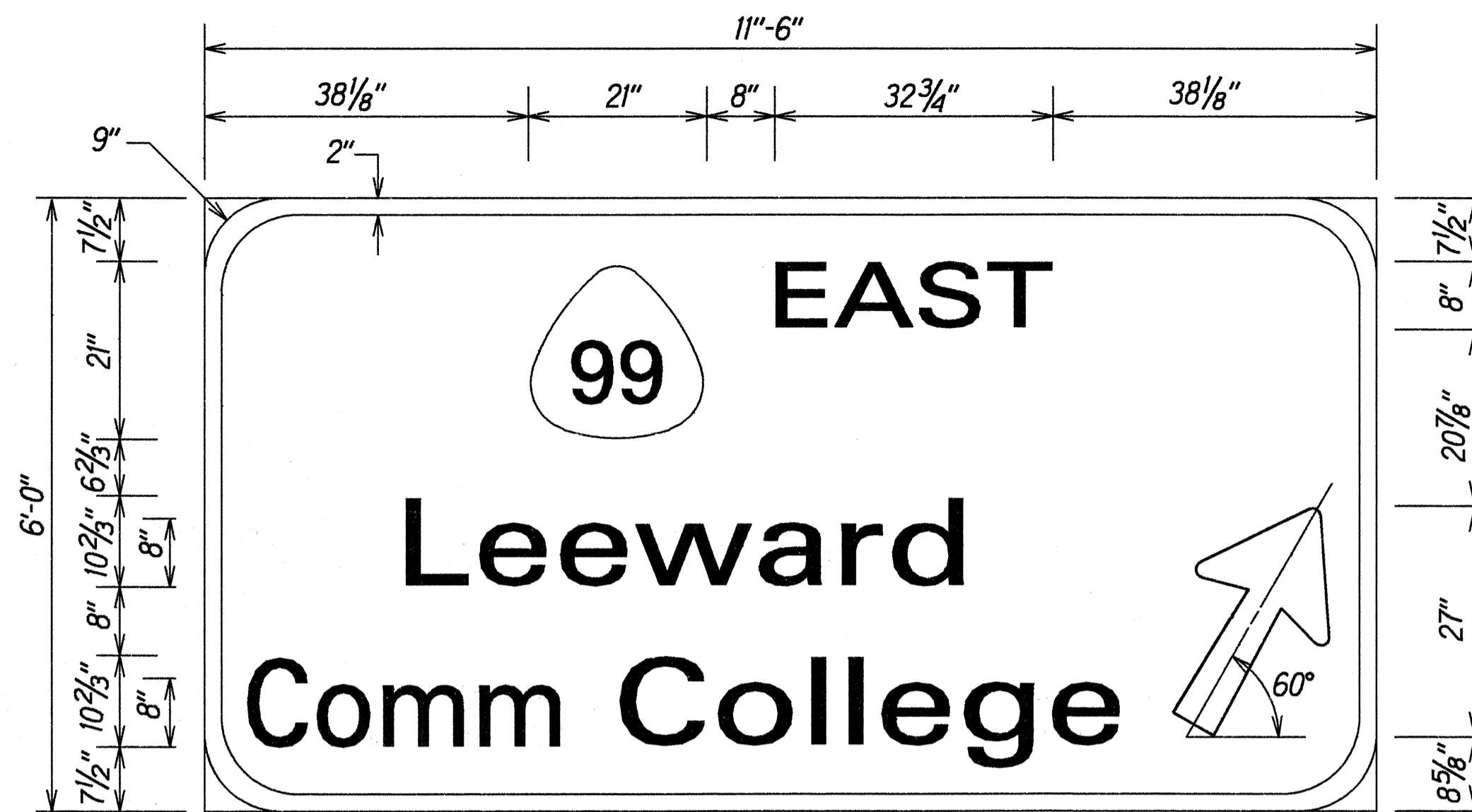
INTERSTATE ROUTE H-1 RESURFACING
 Vicinity of Waipahu Street to Waiawa Road
 Federal-Aid Project No. IM-HI-1(224)

Scale: 3/8" = 1'-0" Date: April, 1997
 SHEET No. T12 OF 15 SHEETS

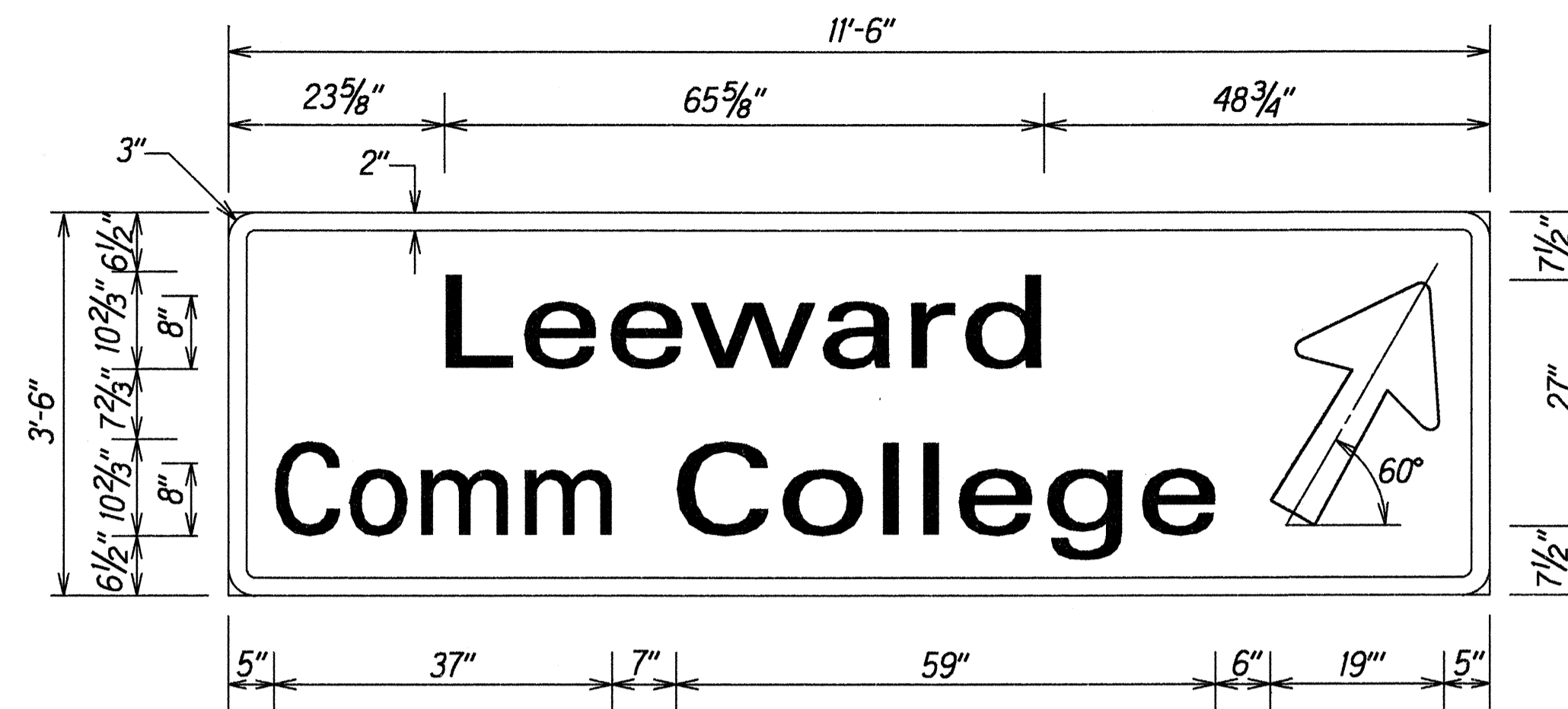
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	62	65

EXPRESSWAY (E) AND DESTINATION (D) SIGN NOTES

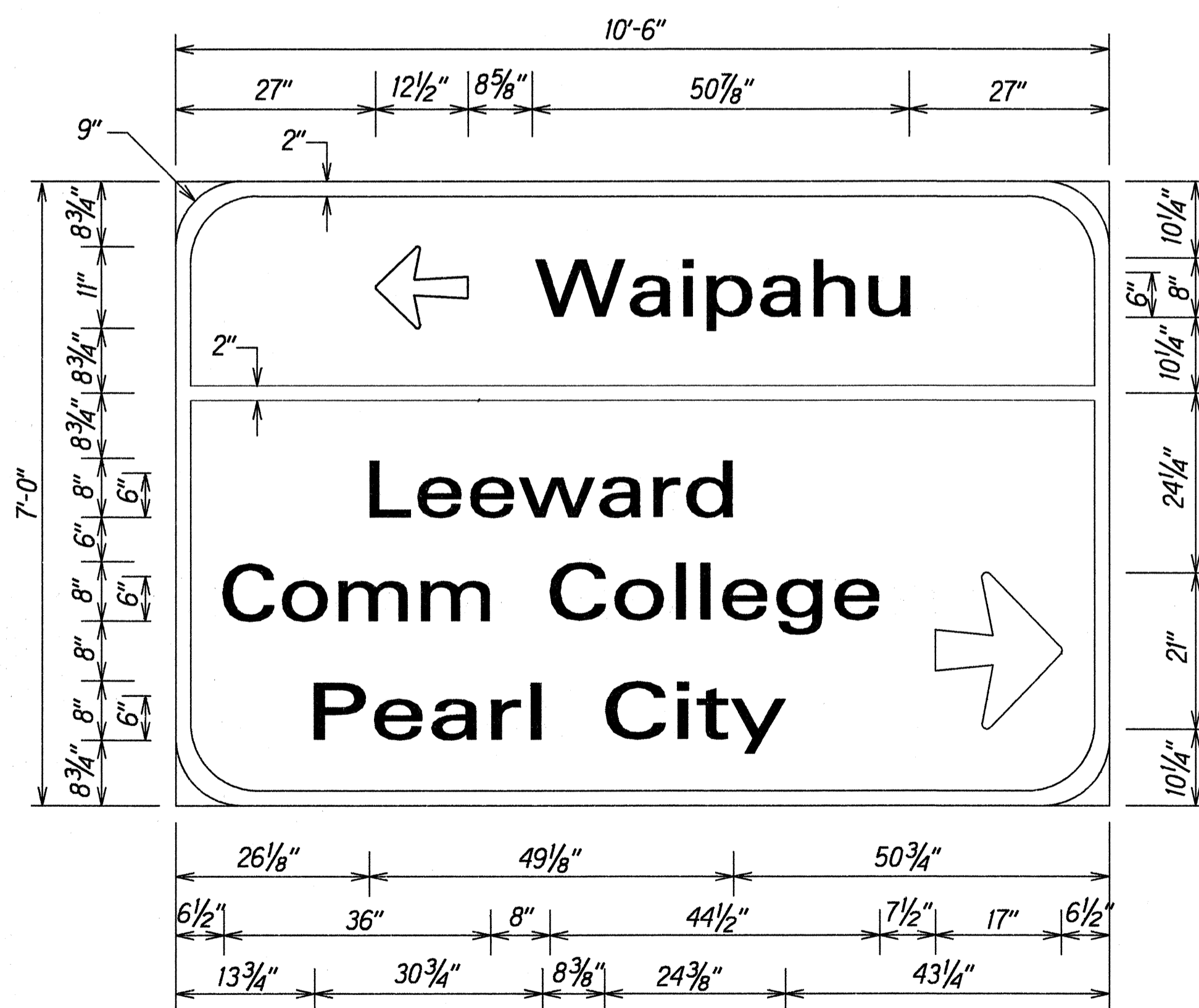
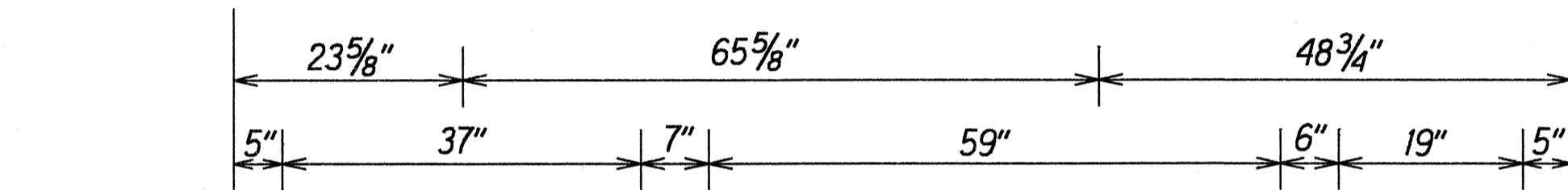
1. Background for all illuminated ("E" designation), non-illuminated ("D" designation) sign and exit number panels shall be reflectorized with Type III or IV retroreflective sheeting (High Intensity or High Performance Grade).
2. The message, arrows and borders of expressway signs ("E" and "D" designations) and exit number panels shall be reflectorized with porcelain enameled aluminum cut-outs with acrylic plastic reflex reflectors or Type III or IV retroreflective sheeting (High Intensity or High Performance Grade).
3. The Contractor shall verify the locations and dimensions of existing Sign Panels and supports.
4. New sign panels shall be laminated aluminum or extruded aluminum.
5. Letter Size:
 - a. When letters are all uppercase, use series "E"
 - b. When initial uppercase letter is used in conjunction with lowercase letters, use series "E"(M) for uppercase
6. Contractor shall submit all sign splicing details to the Engineer for approval. All backing for signs 4 feet by 6 feet or less shall be of one sheet.
7. Destination and Expressway Sign Posts shall be as noted on the plans.
8. Removal and disposal of existing sign panels, posts with foundation, luminaires and supports will not be paid for separately, but shall be considered incidental to the various signing items.
9. Moving existing Exit Number Sign Panels to the right or left edge of Expressway or Destination Signs shall be considered incidental to Item No. 621.0600 - Overlay Panel for Exit Number Sign.



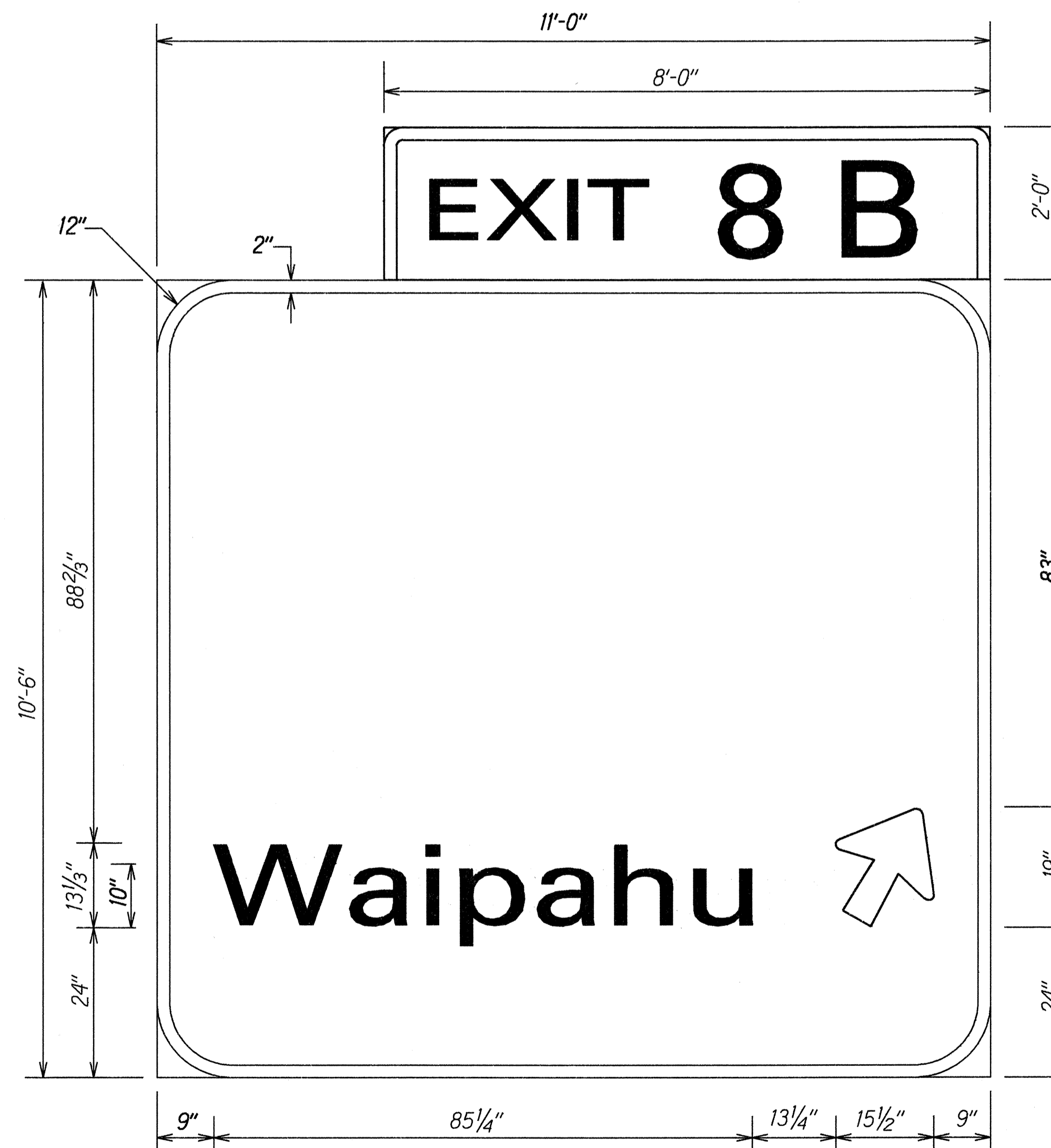
D-1



D-4



D-3



E-1

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	5/24/97
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

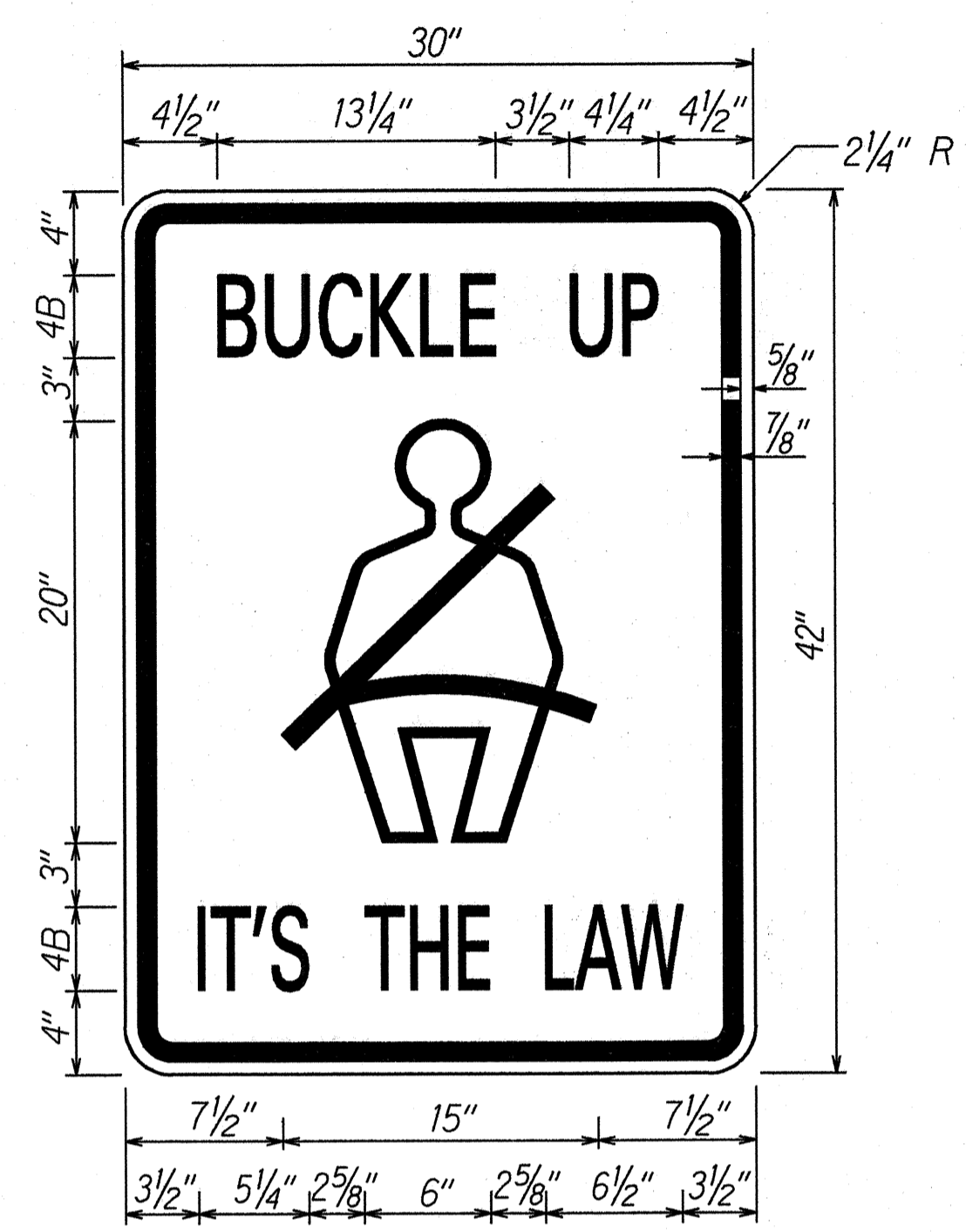
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN DETAIL

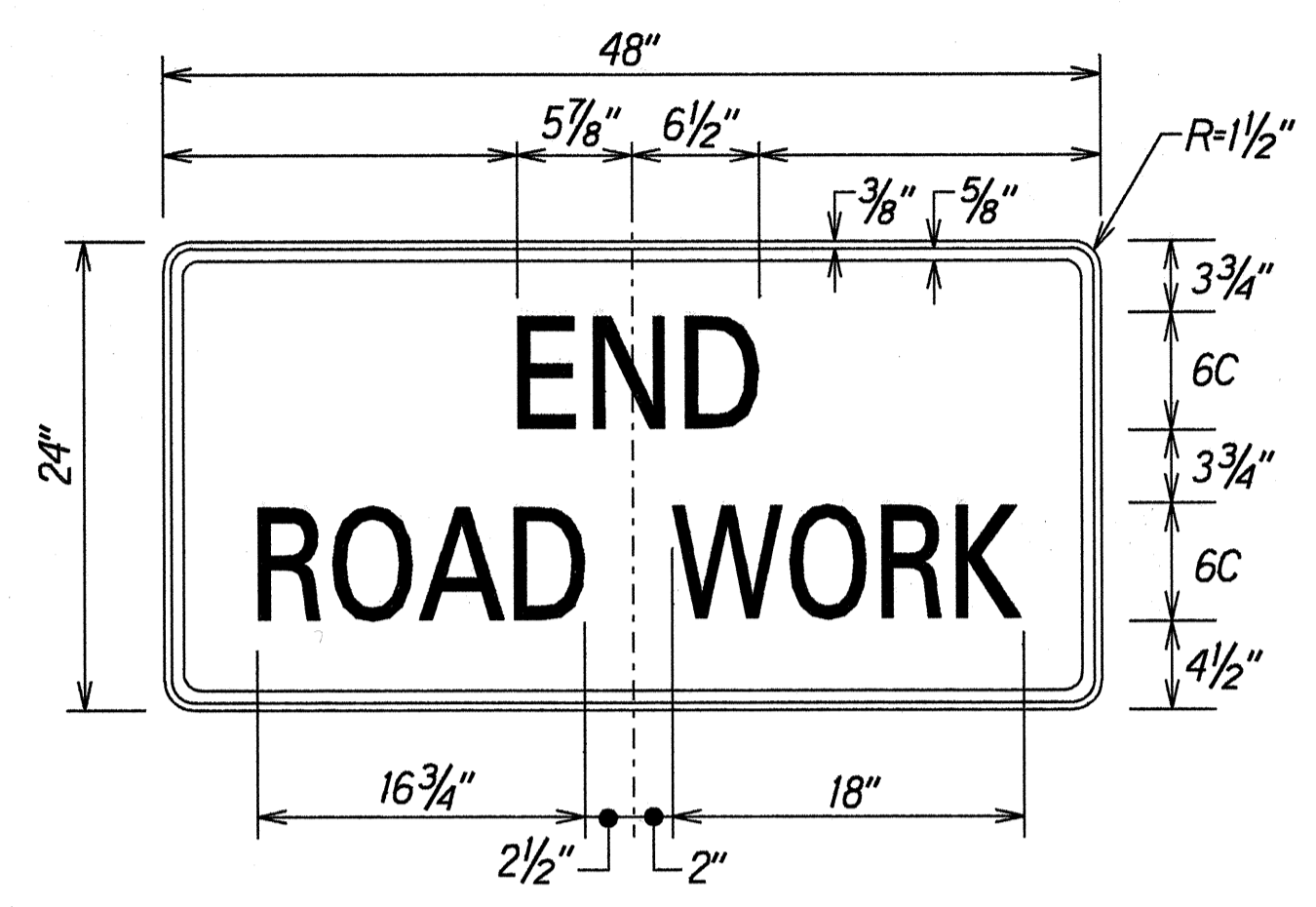
INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)
Scale: 3/4"=1'-0" Date: April, 1997

SHEET No. 113 OF 15 SHEETS

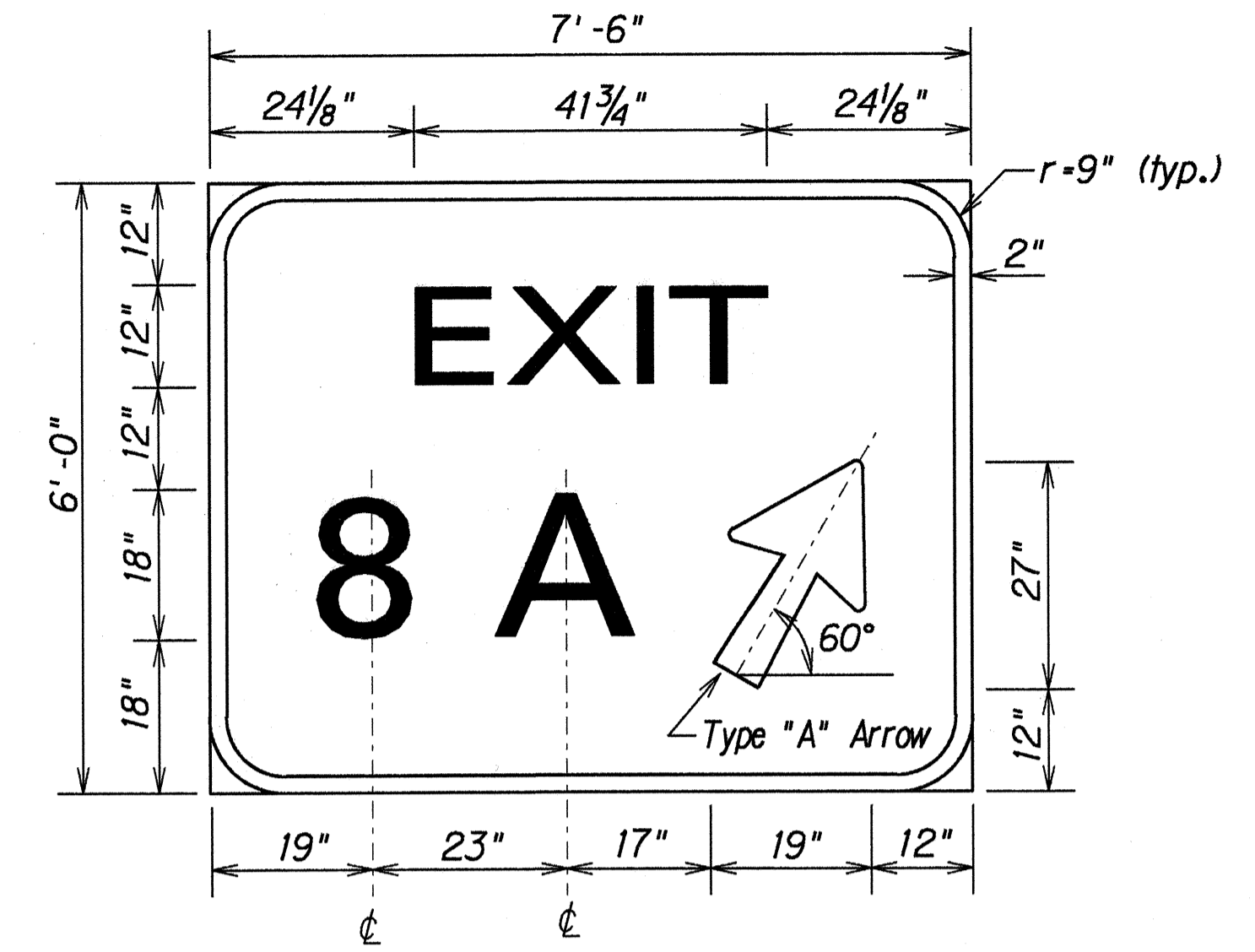
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	ADD. 63	65



R16-1
Not to Scale

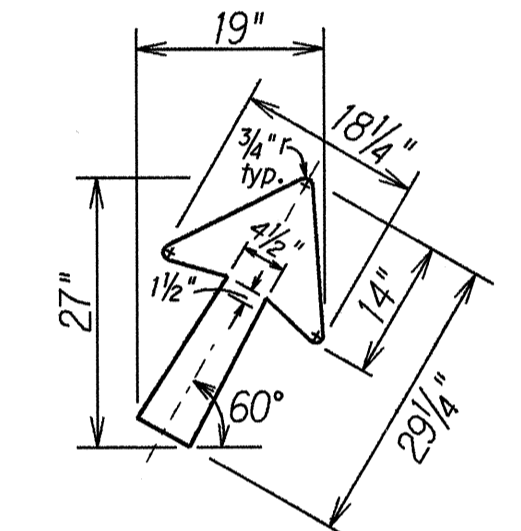


CG20-2A
Not to Scale
Colors:
Legend: Black (Non Refl)
Background: Orange

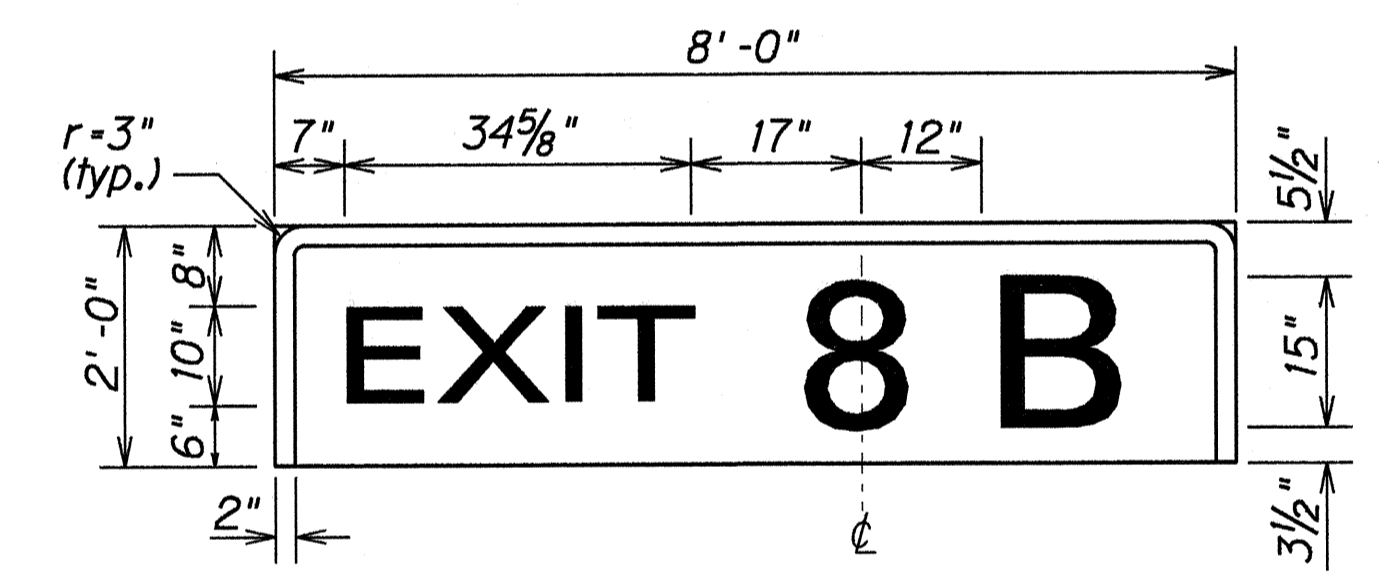


D-2 & D-5
H-1 @ Sta. 461+00 ± Rt.
H-1 O.B. @ Sta. 506+60 ± Lt.
GORE EXIT SIGN
Not to Scale

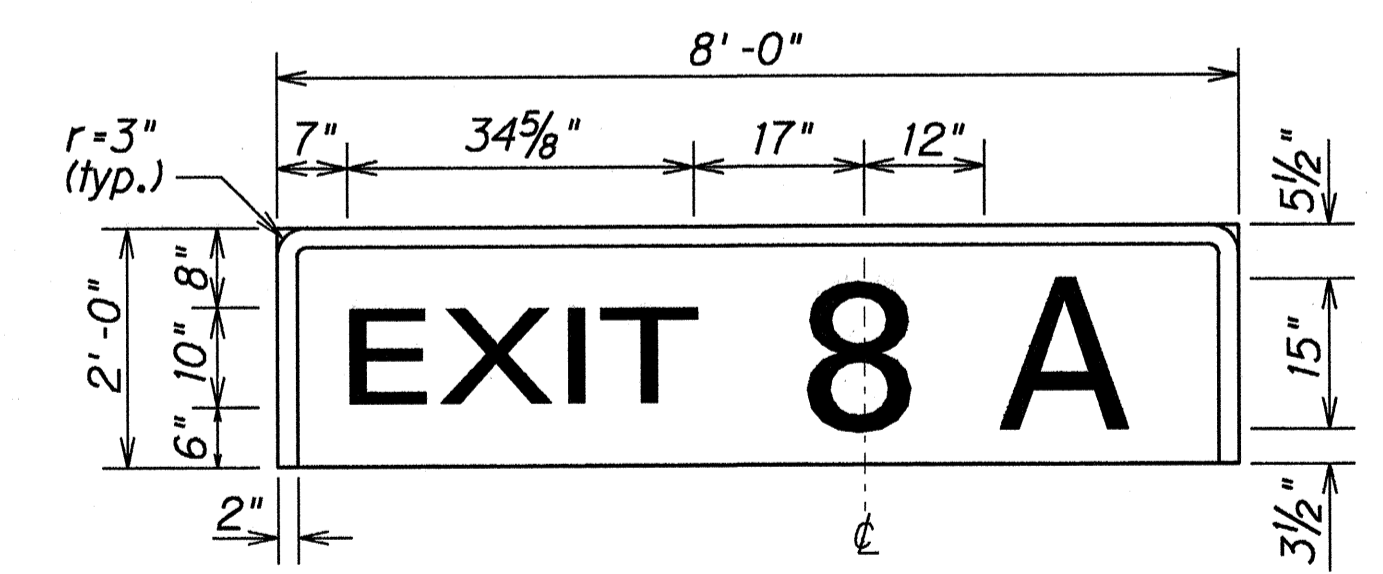
1. Design of Exit Number Panels shall conform to plans and specifications for either the Expressway or Destination Sign to which the Exit Number Panel will be attached.
2. Sign message shall be lettered in uppercase according to Standard Alphabets for Highway Signs, FHWA, 1966. Use Series "E" letters unless otherwise noted.
3. Arrows, Borders, and Route Markers shall conform with details as shown on standard plans and/or as specified in the MUTCD.
4. Contractor shall submit for approval, shop drawings for the attachment of Exit Number Panels to Sign Panels.



TYPE "A" DIAGONAL ARROW DETAIL
Not to Scale

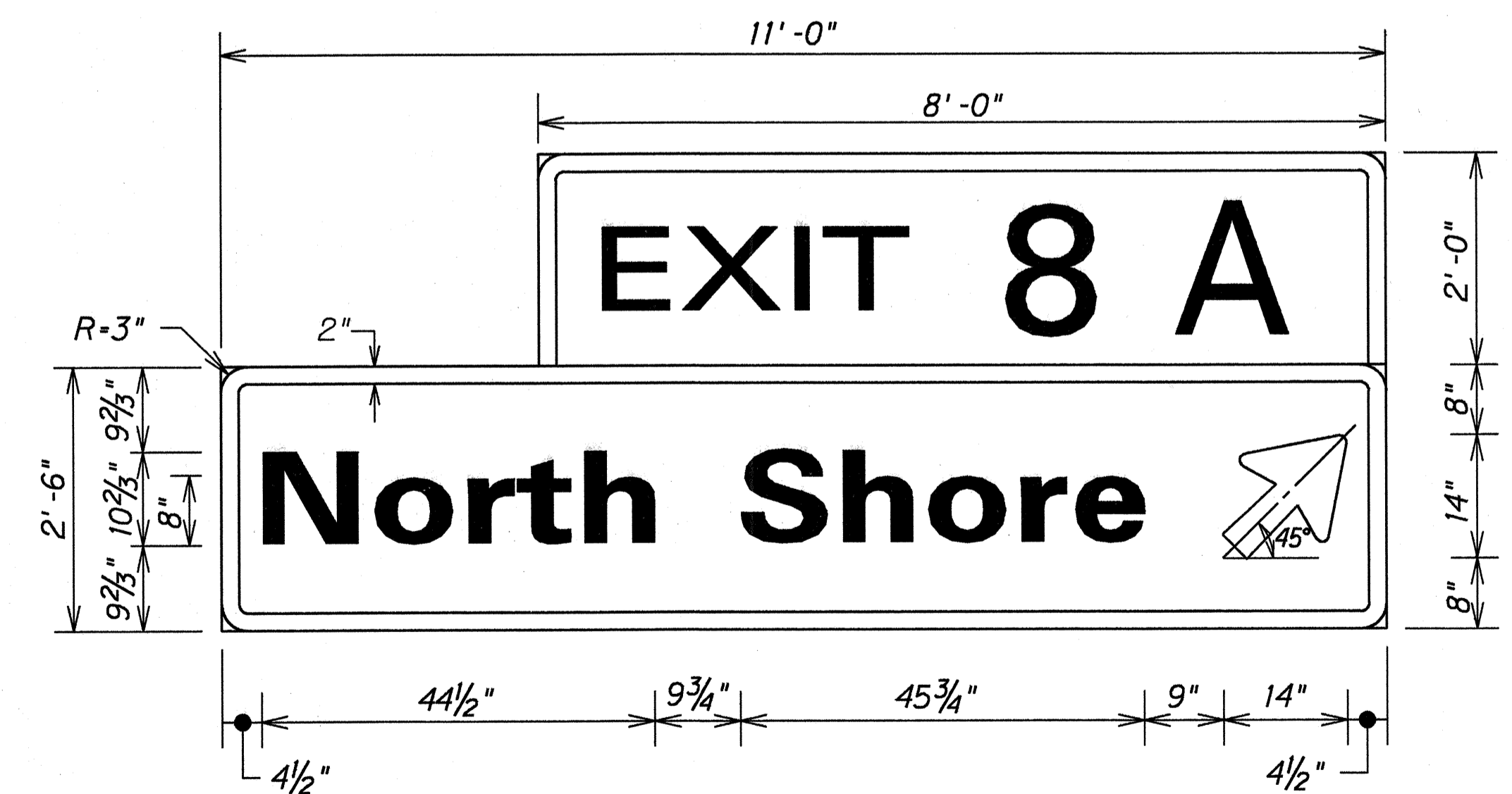


E-1
H-1 @ Sta. 532+20 ± Lt.



D-6
H-1 O.B. @ Sta. 521+00 ± Lt.

EXIT NUMBER PANEL
Not to Scale



D-6
H-1 O.B. @ Sta. 521+00 ± Lt.
Not to Scale

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	5/24/97
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
DATE	
BY	

DATE	REVISION
6/14/97	Added Sign D-6 & Exit Number Panel 8A Details

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN DETAILS

INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Not to Scale Date: May, 1997
SHEET No. T14 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(224)	1997	ADD. 64	65

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	4,900 EA.
TYPE C _____	2,300 EA.
TYPE H _____	600 EA.
TYPE J _____	575 EA.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	3,000 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	510 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (WHITE) _____	510 L.F.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	23,500 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	23,500 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	7,800 L.F.
8-INCH PAVEMENT STRIPE (YELLOW) _____	1,200 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	1,050 L.F.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	1,300 L.F.
PAVEMENT WORD _____	8 EA.
PAVEMENT DIAMOND _____	9 EA.

DESTINATION SIGN SUMMARY				
SIGN NO.	MESSAGE	SIZE	NEW PANEL AREA (SQ. FT.)	
			W/O POST	W/POSTS
D-1	EAST Leeward Comm College	11'-6" x 6'-0"		69.00
D-2	EXIT 8 A	7'-6" x 6'-0"		45.00
D-3	Waipahu Leeward Comm College Pearl City	10'-6" x 7'-0"		73.50
D-4	Leeward Comm College	11'-6" x 3'-6"		40.25
D-5	EXIT 8 A	7'-6" x 6'-0"		45.00
D-6	North Shore	11'-0" x 2'-6"		27.50
TOTAL				300.25

EXPRESSWAY SIGN SUMMARY			
SIGN NO.	MESSAGE	SIZE	OVERLAY AREA (SQ. FT.)
E-1	Waipahu	11'-0" x 10'-6"	115.50
TOTAL			115.50

EXIT NUMBER SIGN SUMMARY				
SIGN NO.	MESSAGE	SIZE	OVERLAY AREA (SQ. FT.)	NEW PANEL AREA (SQ. FT.)
E-1	EXIT 8 B	8'-0" x 2'-0"	16.00	
D-6	EXIT 8 A	8'-0" x 2'-0"		16.00
TOTAL			16.00	16.00

REFLECTOR MARKER SUMMARY						
TYPE	QUANTITY					
	W/FLEXIBLE POST		W/STEEL POST		MOUNT ON CONCRETE COLUMN	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE
RM-4					2	
RM-3		9				
RM-2	30	42	19	9		

TRAFFIC SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POSTS	W/O POSTS
R2-1(55)-B	SPEED LIMIT 55			1	2
R2-4a(55/45)-B	SPEED LIMIT 55 MINIMUM 45			4	
R5-1a	WRONG WAY	2			
R16-1	BUCKLE UP ITS THE LAW	1	2		
R16-5	UNLICENSED VEHICLES BICYCLES, CYCLES UNDER 5 H.P. PEDESTRIAN KEEP OUT FREEWAY.				1
W1-8-A				2	3
W3-1a		1			
W4-1(R)-A				1	
W4-2(R)-A				1	
W13-2(25)	EXIT 25 M.P.H.			2	
TOTAL		4	2	11	6

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POSTS	W/O POST
CW20-1Ad	H-1 STA. 446+70± MEDIAN RT.	ROAD WORK AHEAD	2	
CG20-2A	H-1 STA. 446+70± MEDIAN LT.	END ROAD WORK	1	1
CG20-2A	RAMP M STA. 0+20± LT.	END ROAD WORK	1	
CW20-1Ad	H-2 I.B. TO H-1 O.B. STA. 502+00± LT.	ROAD WORK AHEAD	1	
CG20-2A	H-1 I.B. TO H-2 O.B. STA. 505+70± RT.	END ROAD WORK	1	
CW20-1Ad	H-2 I.B. TO H-1 I.B. STA. 456+30± LT. RT.	ROAD WORK AHEAD	2	
CG20-2A	H-1 O.B. TO H-2 O.B. STA. 456+00± LT.	END ROAD WORK	1	
CG20-2A	H-1 I.B. STA. 9+00± RT.	END ROAD WORK		1
CW20-1Ad	H-1 O.B. STA. 9+00± LT.	ROAD WORK AHEAD		1
TOTAL			9	3

MILEPOST MARKER SUMMARY			
LOCATION	SIGN NO. AND MESSAGE	QUANTITY	
		W/POST	W/O POST
H-1 STA. 476+00± LT RT.	D10-4 8	2	
H-1 STA. 532+40± LT.	D10-4 9	1	
TOTAL		3	

6/14/97 Added Destination Sign D-6 and Exit Number 8A to Summary Schedules

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SUMMARIES

INTERSTATE ROUTE H-1 RESURFACING
Vicinity of Waipahu Street to Waiawa Road
Federal-Aid Project No. IM-HI-1(224)

Date: April, 1997

SURVEY PLOTTED BY _____
 DRAWN BY _____
 CHECKED BY _____
 DATE _____
 ORIGINAL PLAN _____
 NOTE BOOK _____
 QUANTITIES BY _____
 CHECKED BY _____