

NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	27	46

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. Details of Type C, Type D and Type H Markers on Standard Plan Nos. TE-30, TE-31 and TE-32 shall be deleted and replaced with details of Type CL, Type DL and Type HL Markers as shown on Sheet No. T2. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
5. Final locations of all signs shall be approved by the Engineer prior to any installation work.
6. All pavement striping shall be as noted on the legend or plans.
7. Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
8. Backing for all new Regulatory and Warning Signs shall not be spliced.
9. Interstate Route Marker symbols shall conform to details shown on the plans and as specified in the MUTCD.
10. All overlay 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. Borders, 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. Sign refurbishing shall consist of removing all existing borders, messages, arrows, symbols and shield from existing sign panel and otherwise clean the existing sign panel prior to installing the background overlay. Overlay panel shall be installed onto the existing sign panels with 1/8" blind rivets with a maximum spacing of 1'-0" o.c. New borders, messages, arrow, symbols and shields shall be installed after the background overlay has been properly installed, with blind rivets in accordance with the manufacturer's instructions.

14. Detail layout of existing sign panels shall be in accordance with existing "As Built" drawings which are available for inspection at the Traffic Branch, Highways Division, Department of Transportation, 869 Punchbowl Street, Room 203.
15. All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.
16. All existing expressway sign luminaires that are not operational and to remain, shall be made operational. All additional materials and labor which are necessary to complete this work, shall be considered incidental to the various contract items, and no additional compensation will be allowed therefor.
17. Existing damaged steel framing luminaire supports, shall be repaired or replaced prior to installing the new sign luminaires. This work shall be considered incidental to Item No. 622.2300 - Replacement of Existing Luminaires with 175-Watt Metal Halide Luminaires for Expressway Sign Lighting.
18. 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.
19. 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.
20. Removal of Existing Delineators and Posts shall be considered incidental to their respective contract items.
21. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as directed by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
22. For Construction Sign location and summary, see sheet no. T19.

EXPRESSWAY (E) SIGN NOTES

1. The Contractor shall verify the locations and dimensions of existing Expressway Sign Panels and supports.
2. The amount and center-to-center spacing of Expressway Sign Luminaires shall be in accordance with the luminaire manufacturer's instructions. Maximum center-to-center spacing of luminaires shall be 10-feet.
3. The clearance between the highest point on the pavement and the lowest point on the overhead sign luminaires shall be 17 feet.
4. Moving existing Exit Number Sign Panels to the right edge of Expressway Signs shall be considered incidental to Item No. 621.0400 - Overlay Panel for Exit Number Sign.
5. For details of Exit Number Panels, see Sheet No. T20.
6. "EXIT ONLY" Panels shall have a black legend on a high intensity reflectorized yellow background. For Details, see Sheet No. T2.

DESTINATION (D) SIGN NOTES

1. Legends and borders shall be white reflective sheeting on a green reflective sheeting background.
2. Corners of the sign panels shall be rounded to fit the border.
3. 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.
4. For details of Gore Exit Signs, see Sheet No. T20.
5. Destination Sign Posts shall be 4.00 lbs./ft. Flanged Channel.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NOTES

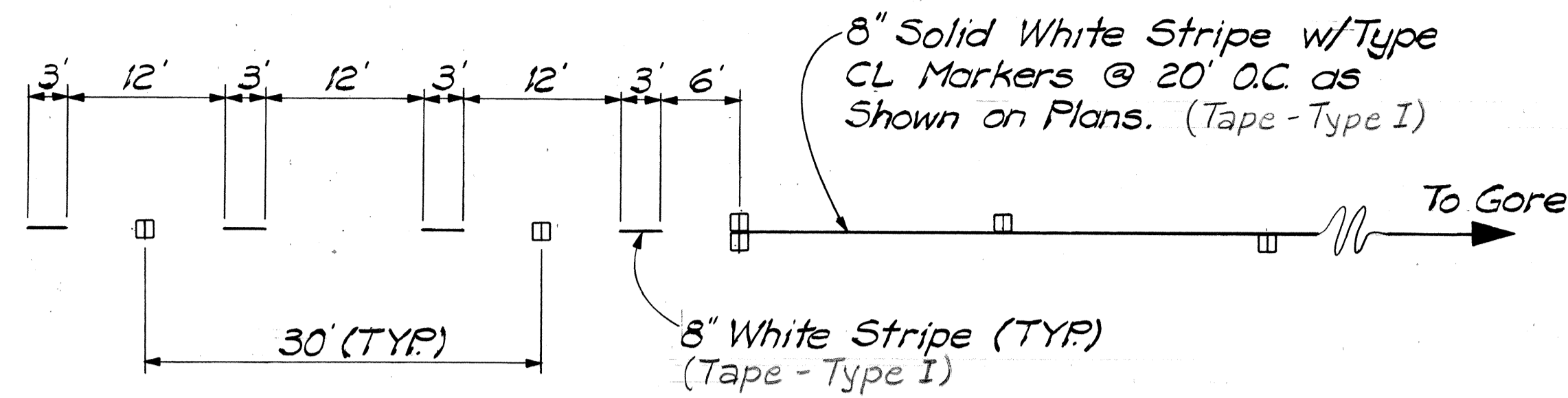
INTERSTATE RTE. H-1 RESURFACING
Kaimakani St. to Airport Viaduct
F.A.I. PROJ. No. IR-HI-1(207)

Date: May, 1988

DATE	REVISION

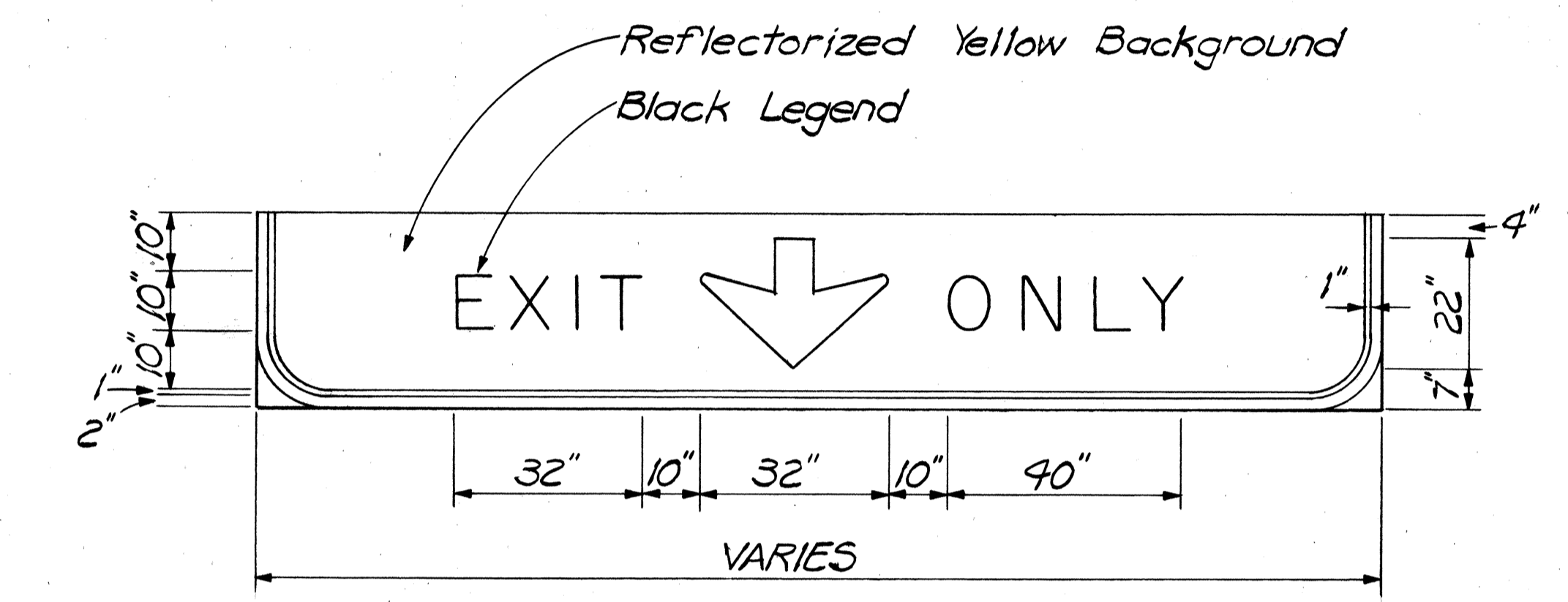
LEGEND

- 4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 40'-0" o.c.
- 4 each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
- 8" White Stripe with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape - Type I)
- 4" Double Solid Yellow Stripes with Type DL Raised Pavement Markers @ 20'-0" o.c. (Tape - Type I)
- 4" Double Solid Yellow Stripes with Type HL Raised Pavement Markers @ 20'-0" o.c. (Tape - Type II or Thermoplastic Extrusion)
- 4" Yellow Edge Stripe with Type HL Raised Pavement Markers @ 40'-0" o.c. (Tape - Type II or Thermoplastic Extrusion)
- 4" Double Solid White Stripes with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape - Type I)
- Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape - Type I)
- 4" White Edge Stripe (Tape - Type II or Thermoplastic Extrusion)
- 4" White Guide Lines (Thermoplastic Extrusion)
- 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 pavement. (Thermoplastic Extrusion)
- Pavement Arrow (Tape - Type I)
- STOP Pavement Word (Tape - Type I)
- Reflector Marker (RM-3)
- Reflector Marker (RM-2)
- Replaced existing Expressway Sign Lighting Luminaire w/ New 175 Watt Metal Halide Expressway Sign Luminaire. Estimated amount per sign.
- Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/ Type CL Markers @ 40'-0" o.c. (Thermoplastic Extrusion)



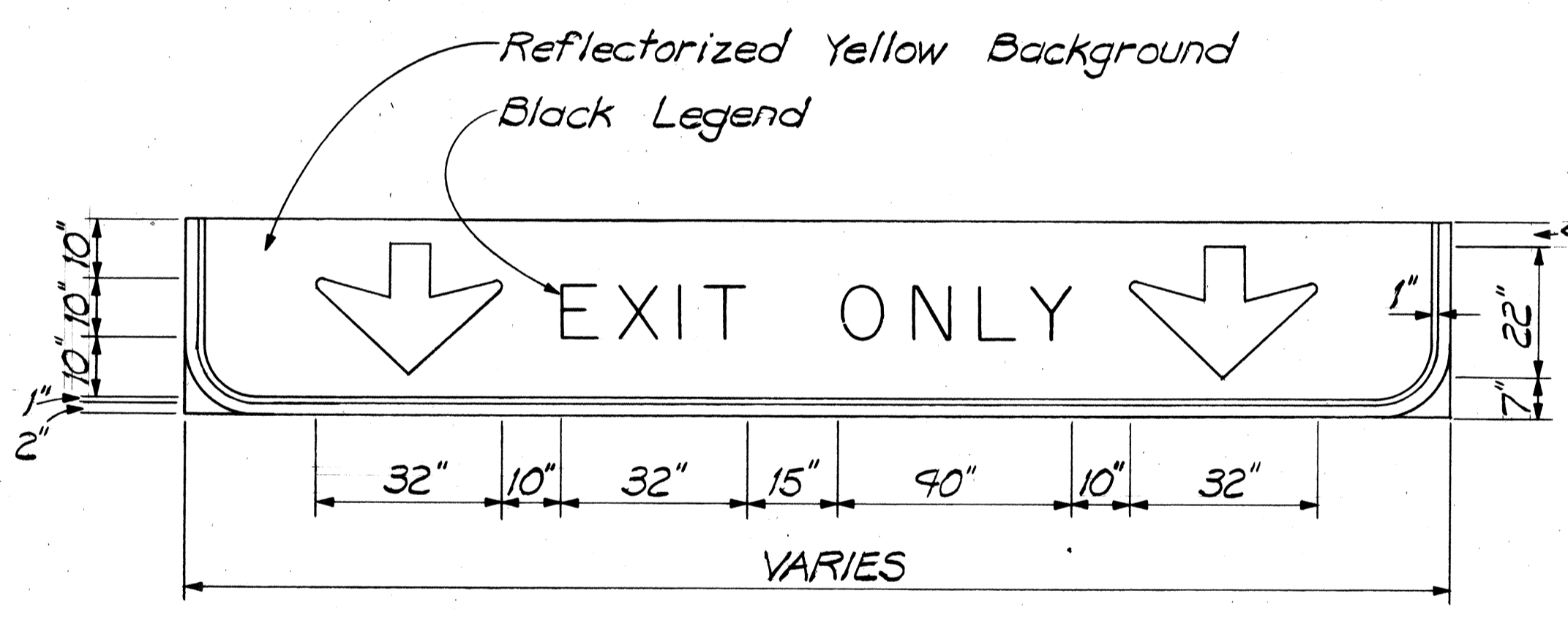
LANE DROP MARKING

Scale: 1" = 10'

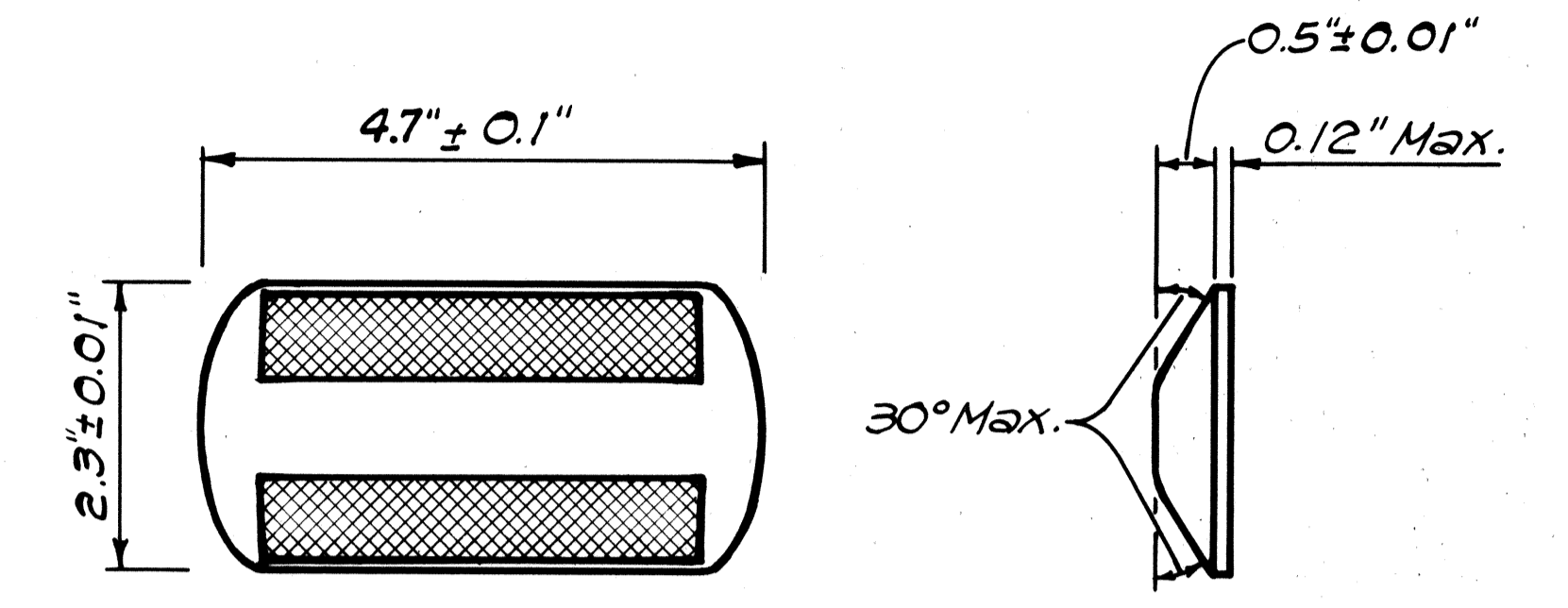


TYPICAL EXIT ONLY PANEL

Scale: 1/2" = 1'-0"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	28	46



TYPE CL
Red-Clear Reflective Marker
or
TYPE DL
Two-Way Yellow Reflective Marker
or
TYPE HL
One-Way Yellow Reflective Marker
Not to Scale

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

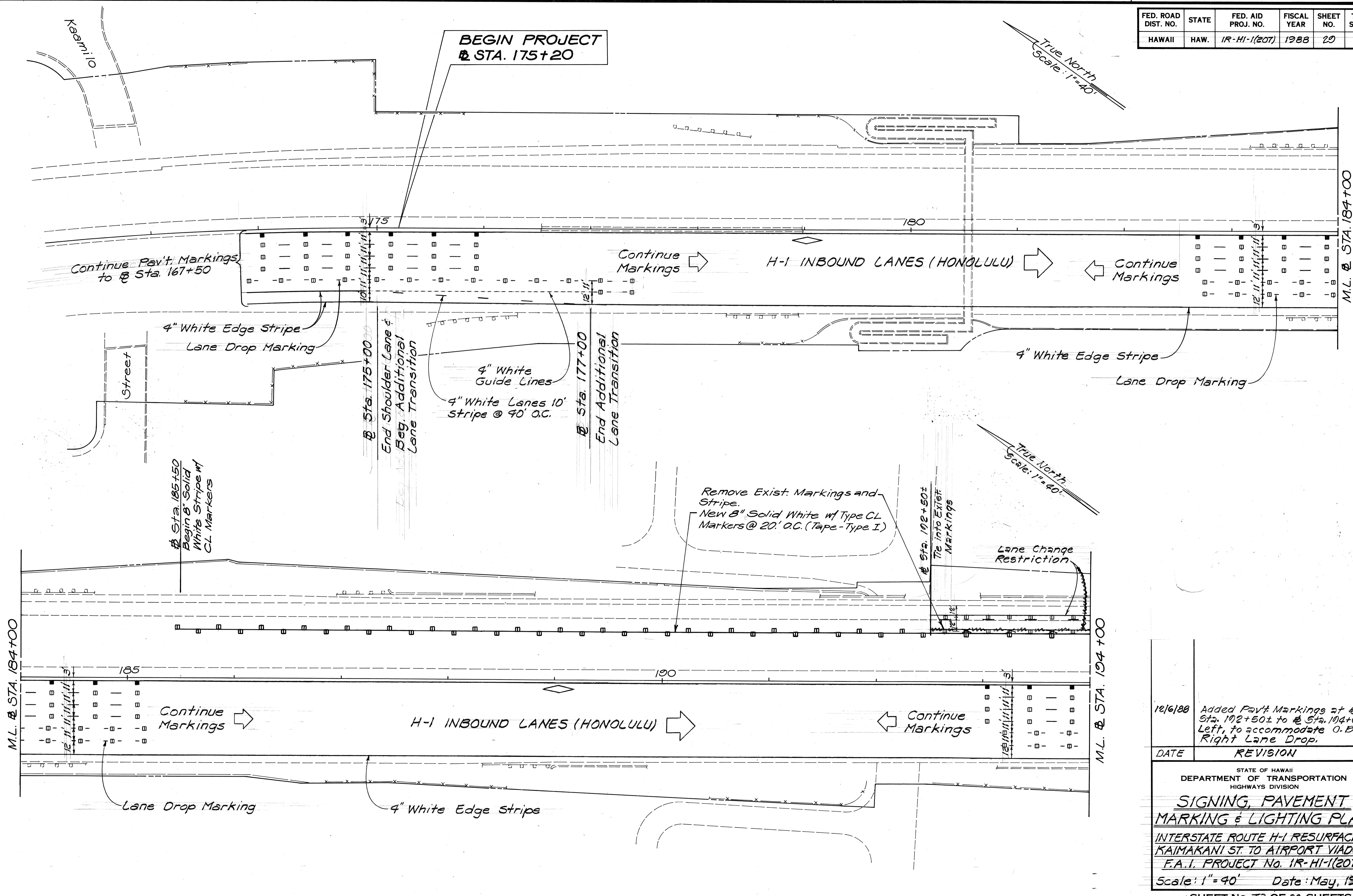
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKINGS
LEGEND & DETAIL
INTERSTATE RTE. H-1 RESURFACING
KAIMAKANI STREET TO AIRPORT VIADUCT
F.A.I. PROJ. No. IR-HI-1(207)
Scale: N.T.S. Date: May, 1988
SHEET No. 28 OF 20 SHEETS

DATE

REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	20	46

True North
Scale: 1"=40'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN NO.	

DATE	REVISION
12/6/88	Added Pav't Markings at Sta. 192+50± to Sta. 194+00, Left, to accommodate O.B. Right Lane Drop.

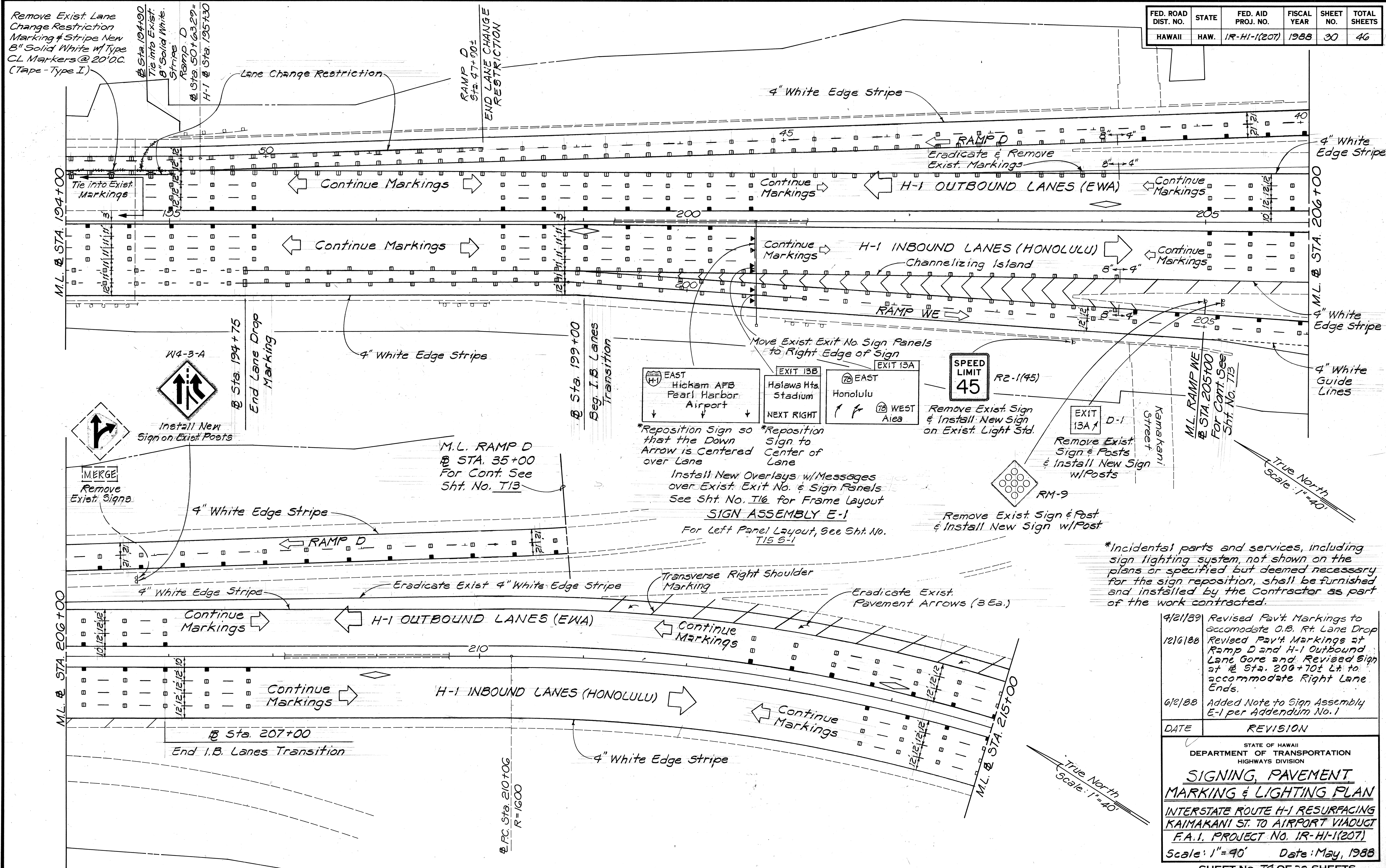
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING, PAVEMENT MARKING & LIGHTING PLAN

INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. 1R-HI-1(207)

Scale: 1"=40' Date: May, 1988

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	30	46



Remove Exist. Lane Change Restriction Marking & Stripe New 3" Solid White w/ Type CL Markers @ 20' O.C. (Tape-Type I.)

① Sta. 194+00 Tie into Exist. 3" Solid White Stripe Ramp D
② Sta. 501+63.29 H-1 @ Sta. 195+30

RAMP D Sta. 47+00+1
END LANE CHANGE RESTRICTION

① Sta. 199+00 Beg. I.B. Lanes Transition

DATE	REVISION
4/21/89	Revised Pav't Markings to accommodate O.B. Rt. Lane Drop
12/16/88	Revised Pav't Markings at Ramp D and H-1 Outbound Lane Gore and Revised Sign at Sta. 200+70 to accommodate Right Lane Ends.
6/2/88	Added Note to Sign Assembly E-1 per Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

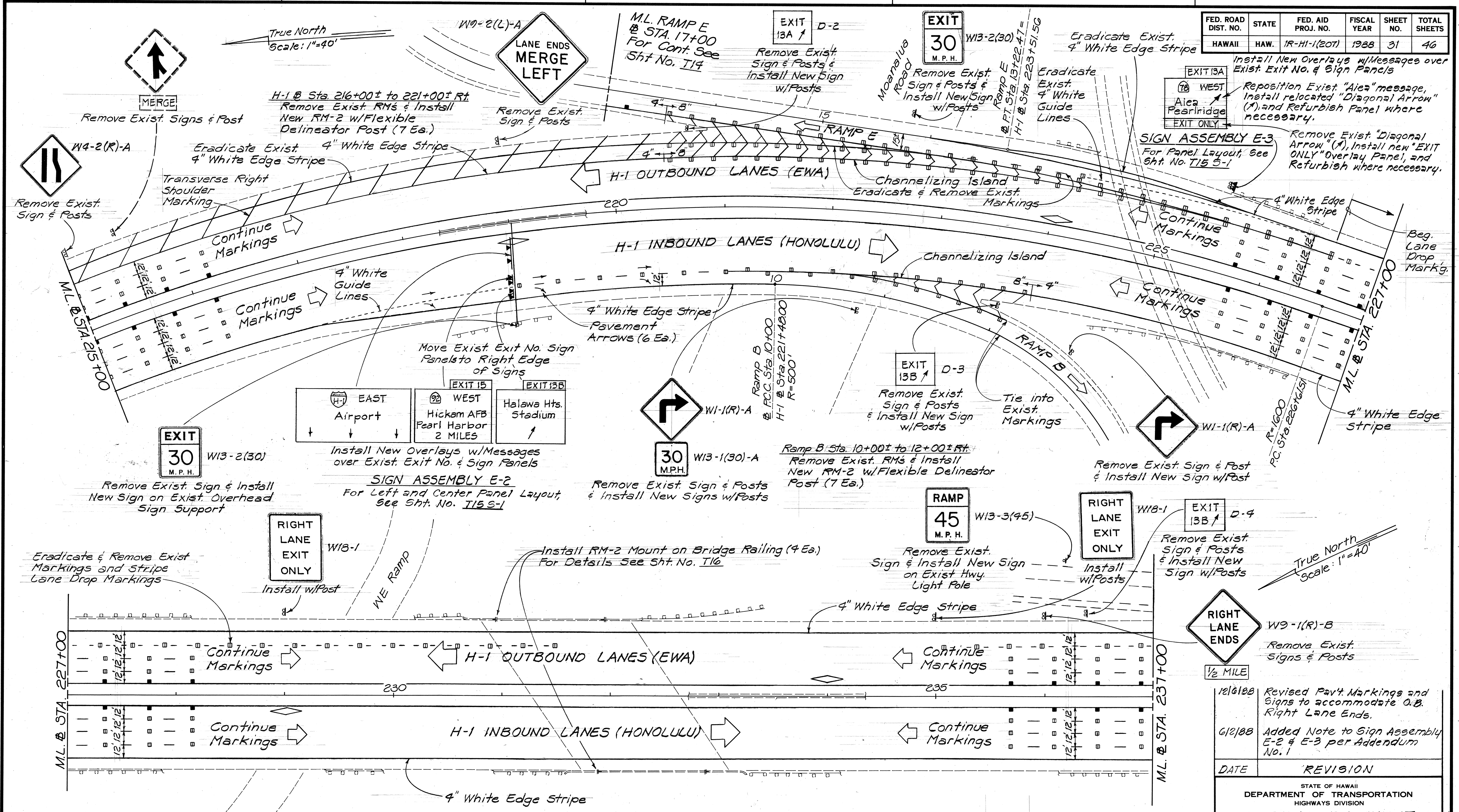
SIGNING, PAVEMENT MARKING & LIGHTING PLAN

INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT NO. 1R-HI-1(207)

Scale: 1"=40' Date: May, 1988

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	31	46



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

DATE	REVISION
12/8/88	Revised Pav't Markings and Signs to accommodate O.B. Right Lane Ends.
6/2/88	Added Note to Sign Assembly E-2 & E-3 per Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING, PAVEMENT MARKING & LIGHTING PLAN

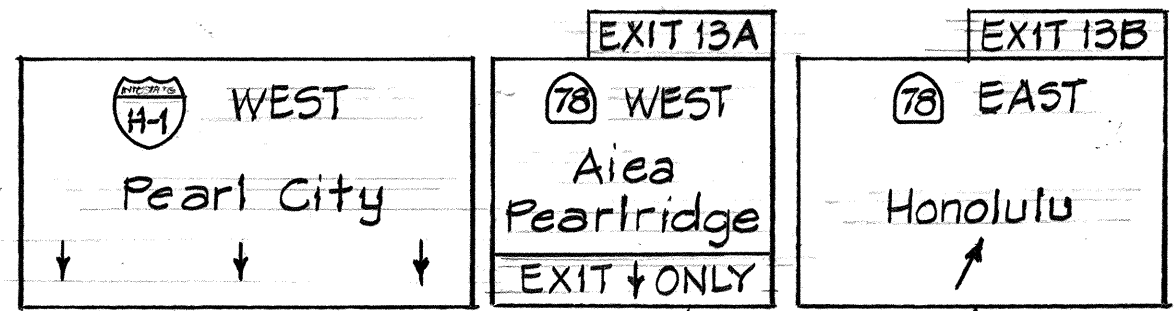
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT NO. 1R-HI-1(207)

Scale: 1"=40' Date: May, 1988

SHEET NO. 75 OF 20 SHEETS

DATE	REVISION
6/20/89	Revised Pav't Markings and Signs to accommodate O.B. Rt. Lane Drop.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-(207)	1988	32	46



Move Exist. Exit No. Sign Panels to Right Edge of Sign
Install New Overlays w/ Messages over Exist. Exit No. & Sign Panels

Eradicate & Remove Exist. Markings and Stripe Lane Drop Markings

Tie into Exist. Markings

Channelizing Island

Sta. 240+138.4 (Back)
Sta. 4+77.31 (Forward)

End Lane Drop Marking

SIGN ASSEMBLY E-4 For Center and Right Panel Layout, See Sht. No. T15 5-2

Install RM-2 Mount on Bridge Railing (6 Ea.) For Details See Sht. No. T16

4" White Edge Stripe

4" White Guide Lines
H-1 OUTBOUND LANES (EWA)

Continue Markings

ML. & STA. 237+00

ML. & STA. 13750

Continue Markings

4" White Edge Stripe
4" x 8"

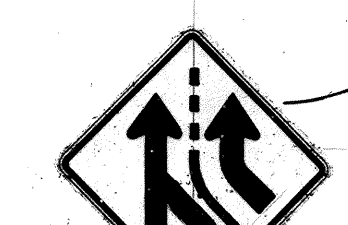
H-1 INBOUND LANES (HONOLULU)

Continue Markings

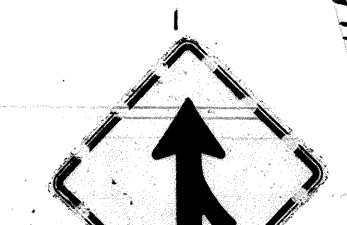
Lane Change Restriction



Install w/ Posts



Remove Exist. Sign & Posts & Install New Sign w/ Posts for Sign Detail, See Sht. No. T16



Remove Exist. w/ Posts

ML RAMP ES
Sta. 137+94.55
For Cont. See Sht. No. T15

RAMP ES

4" White Edge Stripe

Ramp ES
FC Sta. 107+13.64
H-1 & Sta. 7700.17

Install RM-2, Mount on Bridge Railing (12 Ea.) For Details See Sht. No. T16

Ramp ES
Sta. 7700.64
H-1 & Sta. 9785.15
R=1600'

NOTE:

Remove Exist. RM-2 Mounted on Bridge Railing, including Brackets & Straps. Removal shall not be paid for separately, but shall be considered incidental to RM-2 Mounted on Bridge Railing.

True North
Scale: 1"=40'

Install RM-2, Mount on Bridge Railing (6 Ea.) For Details, See Sht. No. T16

4" White Edge Stripe

Continue Markings

H-1 OUTBOUND LANES (EWA)

Continue Markings

ML. & STA. 13750

ML. & STA. 23750

H-1 INBOUND LANES (HONOLULU)

Continue Markings

Lane Change Restriction

4" White Edge Stripe

Install RM-2, Mount on Bridge Railing (10 Ea.) For Details, See Sht. No. T16

Access Rd.

True North
Scale: 1"=40'

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

4/21/89	Revised Pav't. Markings to accommodate O.B. Rt. Lane Drop. Revised Sign Assembly E-4. Center Panel Message.
6/2/88	Added Note to Sign Assembly E-4 per Addendum No. 1
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

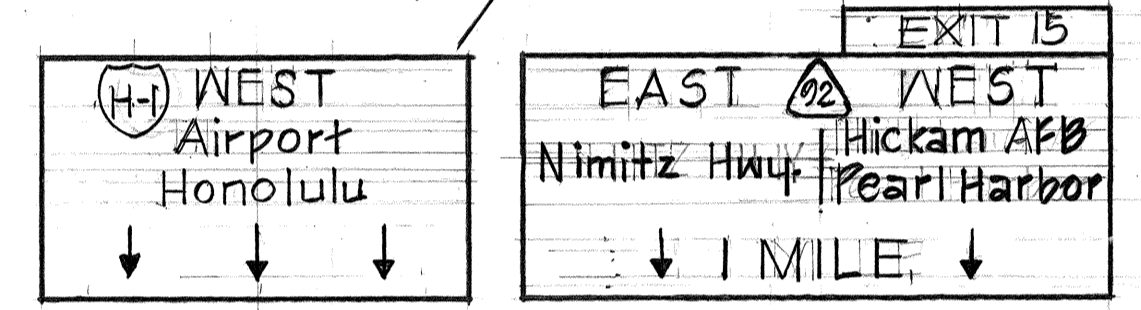
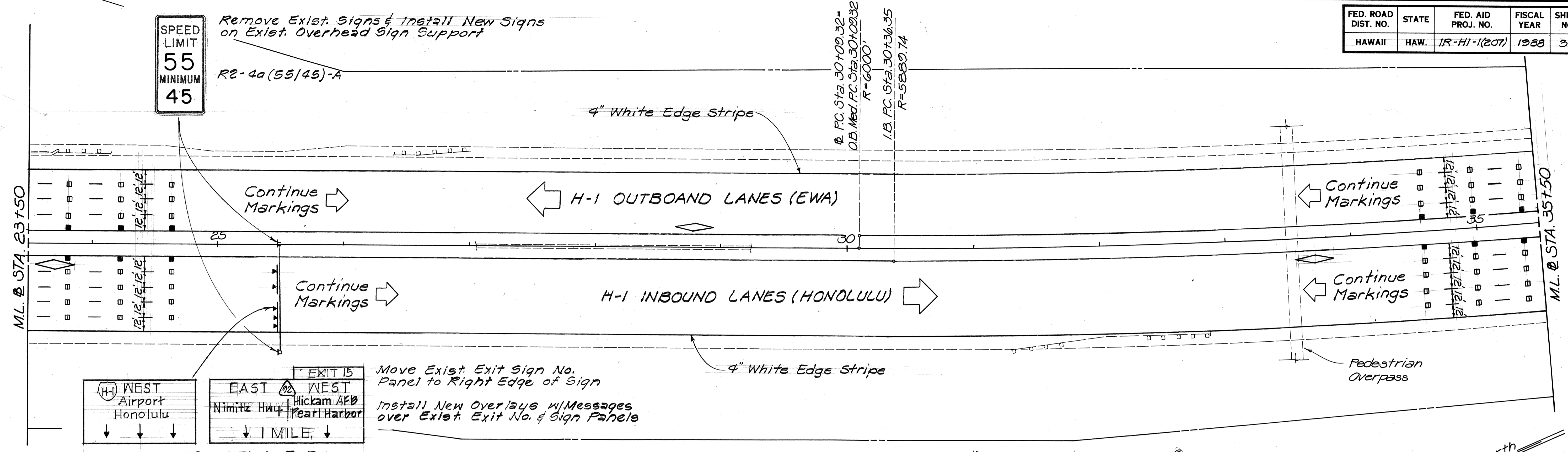
SIGNING, PAVEMENT MARKING & LIGHTING PLAN

INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.1 PROJECT NO. 1R-HI-(207)

Scale: 1"=40' Date: May, 1988

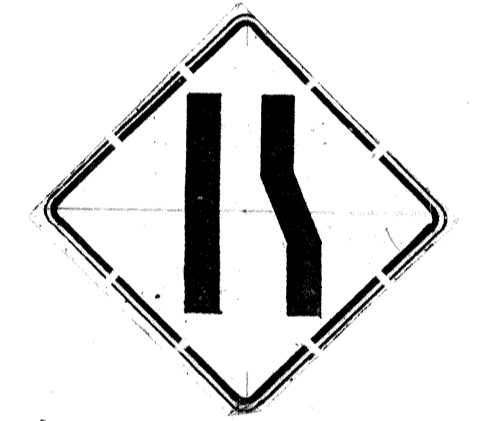
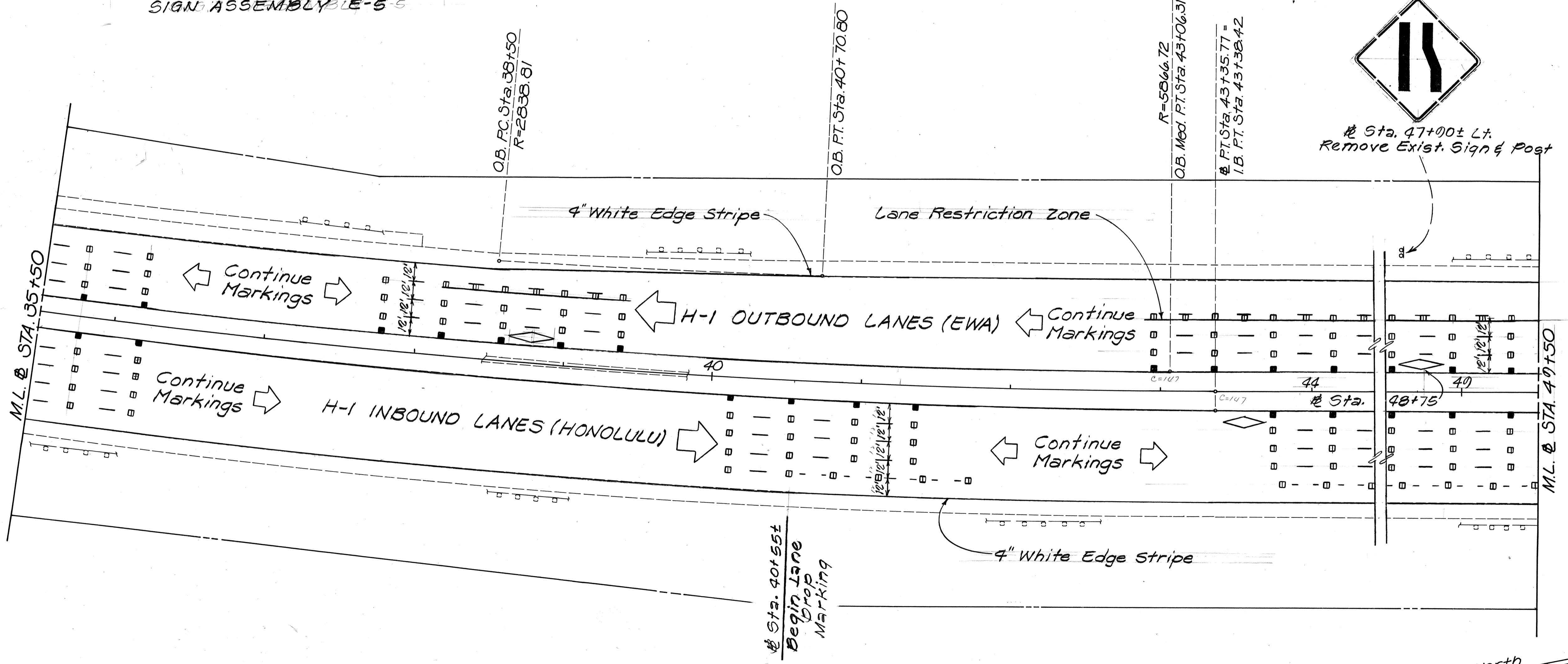
SHEET No. 76 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	33	46



SIGN ASSEMBLY E-5

Move Exist. Exit Sign No. Panel to Right Edge of Sign
Install New Overlays w/ Messages over Exist. Exit No. & Sign Panels



Sta. 47+00± Lt. Remove Exist. Sign & Post

Sta. 40+55± Begin Lane Drop Marking

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

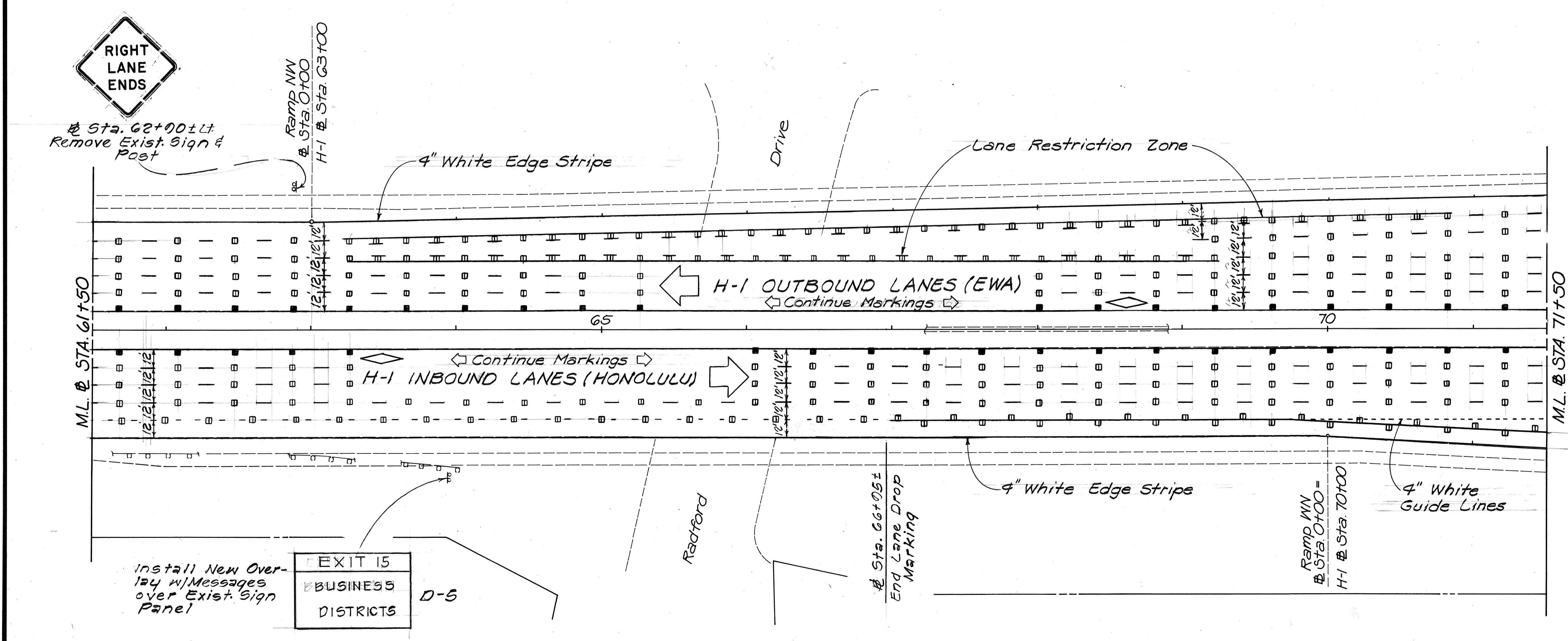
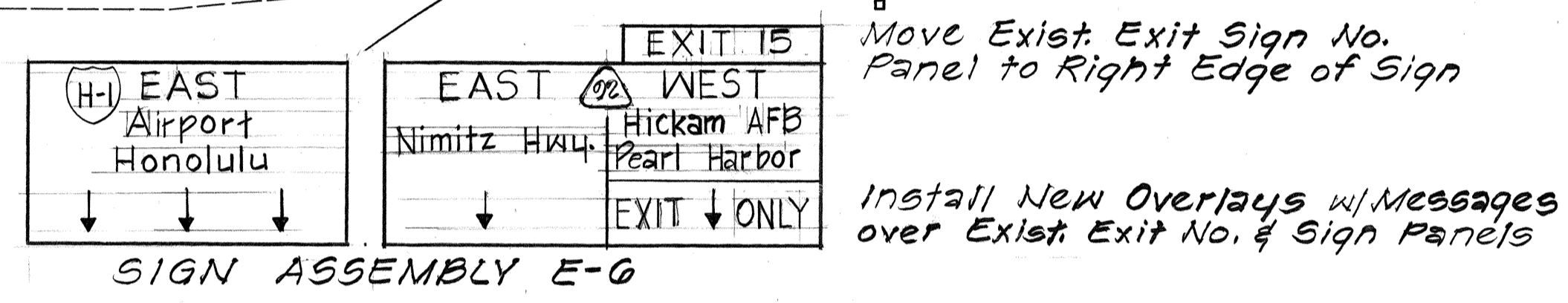
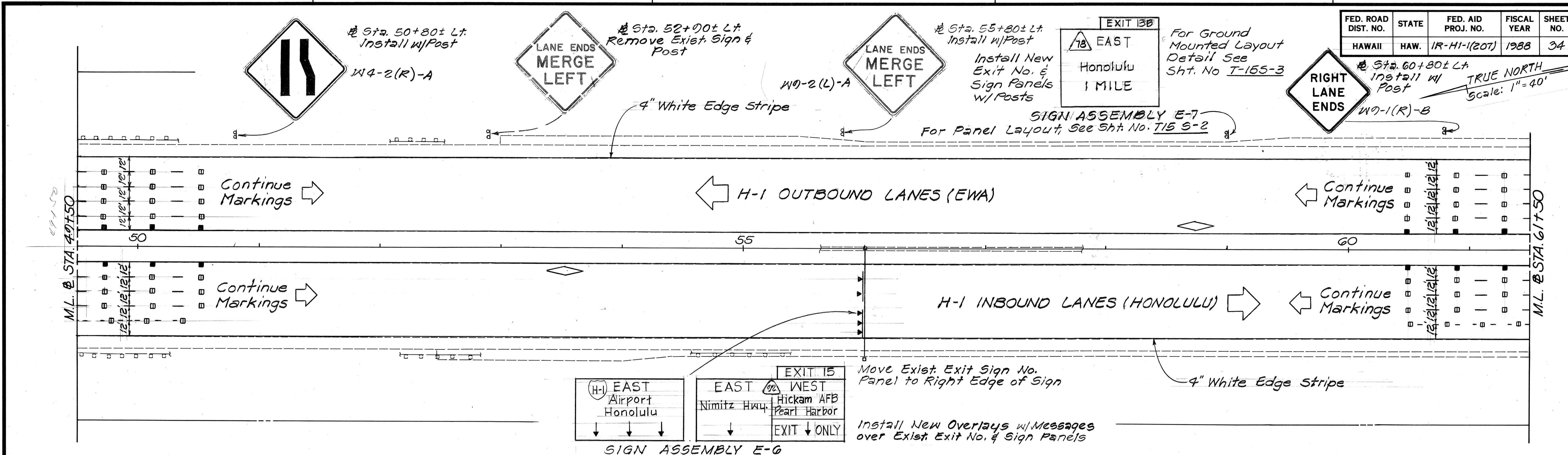
SIGNING, PAVEMENT MARKING & LIGHTING PLAN

INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. 1R-HI-1(207)
Scale: 1"=40' Date: May, 1988

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(201)	1988	34	40

TRUE NORTH
Scale: 1"=40'



DATE	REVISION
5/24/88	Revised Sign Assembly E-7 from New Overlay to New Panel w/ Posts.
6/2/88	Added Note to Sign Assembly E-7 per Addendum No. 1.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING, PAVEMENT MARKING & LIGHTING PLAN
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. 1R-HI-1(201)
Scale: 1"=40' Date: May, 1988
SHEET No. 78 OF 20 SHEETS

DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____
NOTE BOOK No. _____

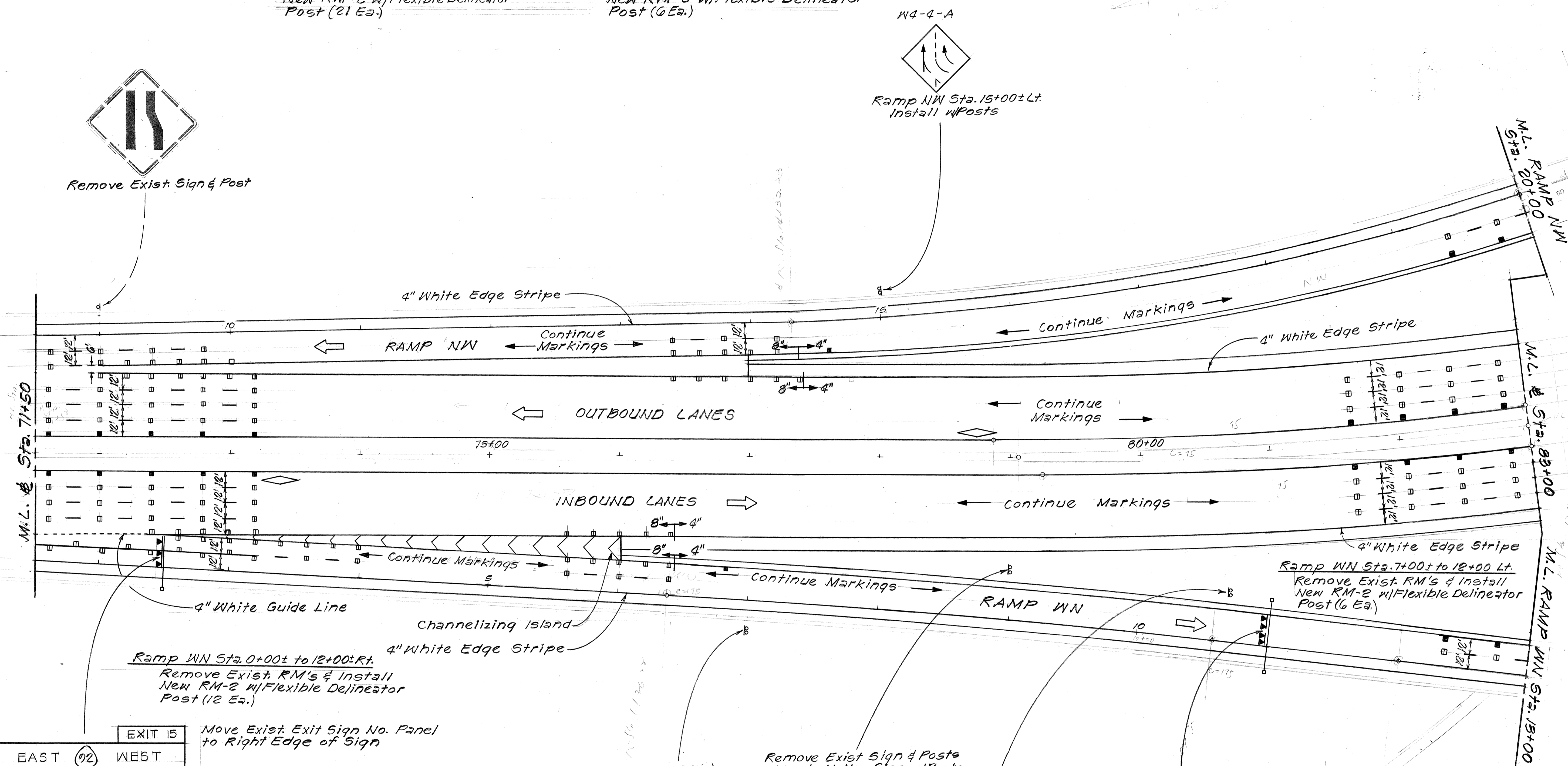
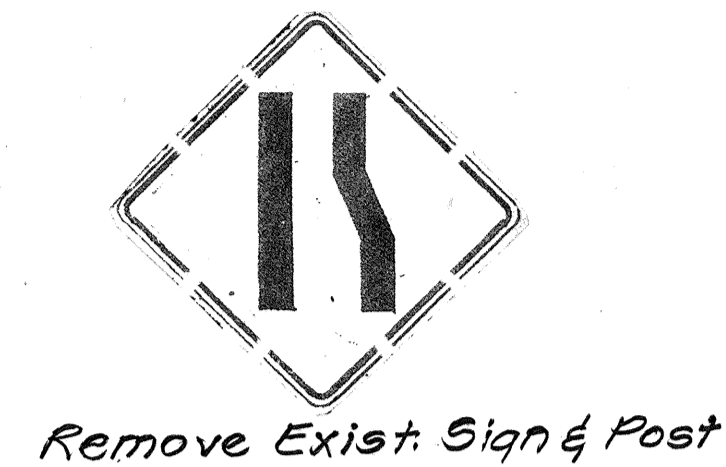
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	35	46

TRUE NORTH
Scale: 1"=40'

Ramp NW Sta. 0+00± to 20+00± Lt.
Remove Exist. RM's & Install
New RM-2 w/Flexible Delineator
Post (21 Ea.)

Ramp NW Sta. 15+00± to 20+00± Rt.
Remove Exist. RM's & Install
New RM-2 w/Flexible Delineator
Post (6 Ea.)

W4-4-A
Ramp NW Sta. 15+00± Lt.
Install w/Posts



Ramp WN Sta. 0+00± to 12+00± Rt.
Remove Exist. RM's & Install
New RM-2 w/Flexible Delineator
Post (12 Ea.)

Ramp WN Sta. 7+00± to 12+00± Lt.
Remove Exist. RM's & Install
New RM-2 w/Flexible Delineator
Post (6 Ea.)

Move Exist. Exit Sign No. Panel
to Right Edge of Sign

Install New Overlays w/ Messages
over Exist. Exit No. & Sign Panels

Remove Exist. Sign & Posts
and Install New Sign w/ Posts & Install
RM-2 on Post (1 Ea.)

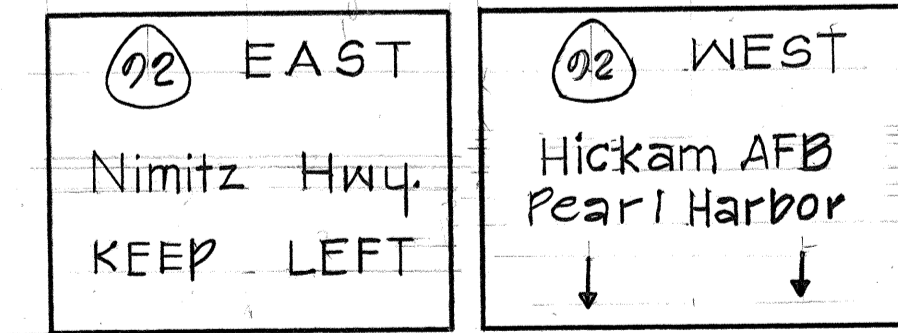
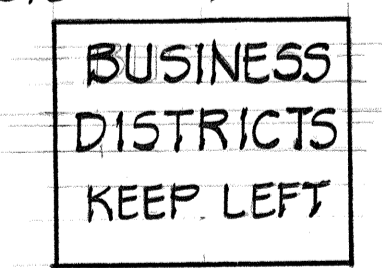
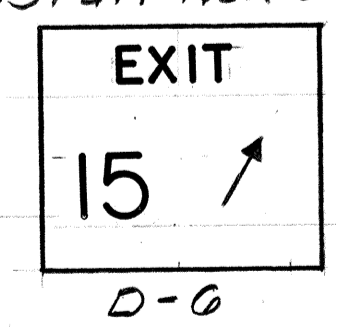
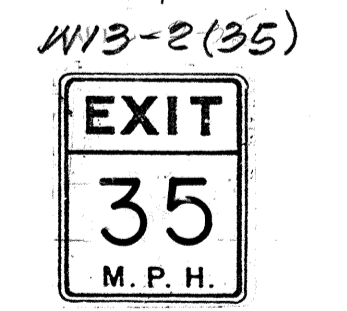
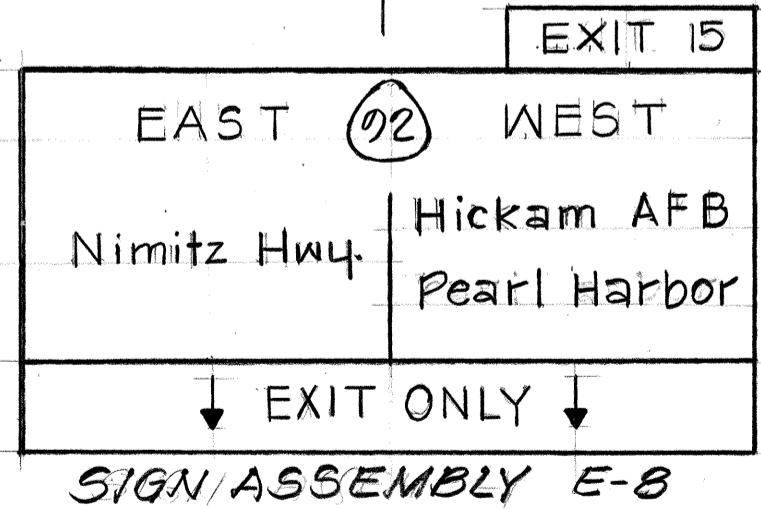
Install New Overlays
w/ Messages over
Exist. Sign Panel

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

Install New Overlay
w/ Messages over
Exist. Sign Panel

For Sign Panel D-7
Layout, See Sht. No.
T15 9-3

Install New Overlay
w/ Messages over
Exist. Sign Panels



NOTE: Sign Assembly E-10 Location
not shown on plan

DATE	REVISION
6/2/88	Added Note to Sign Panel D-7 per Addendum No. 1

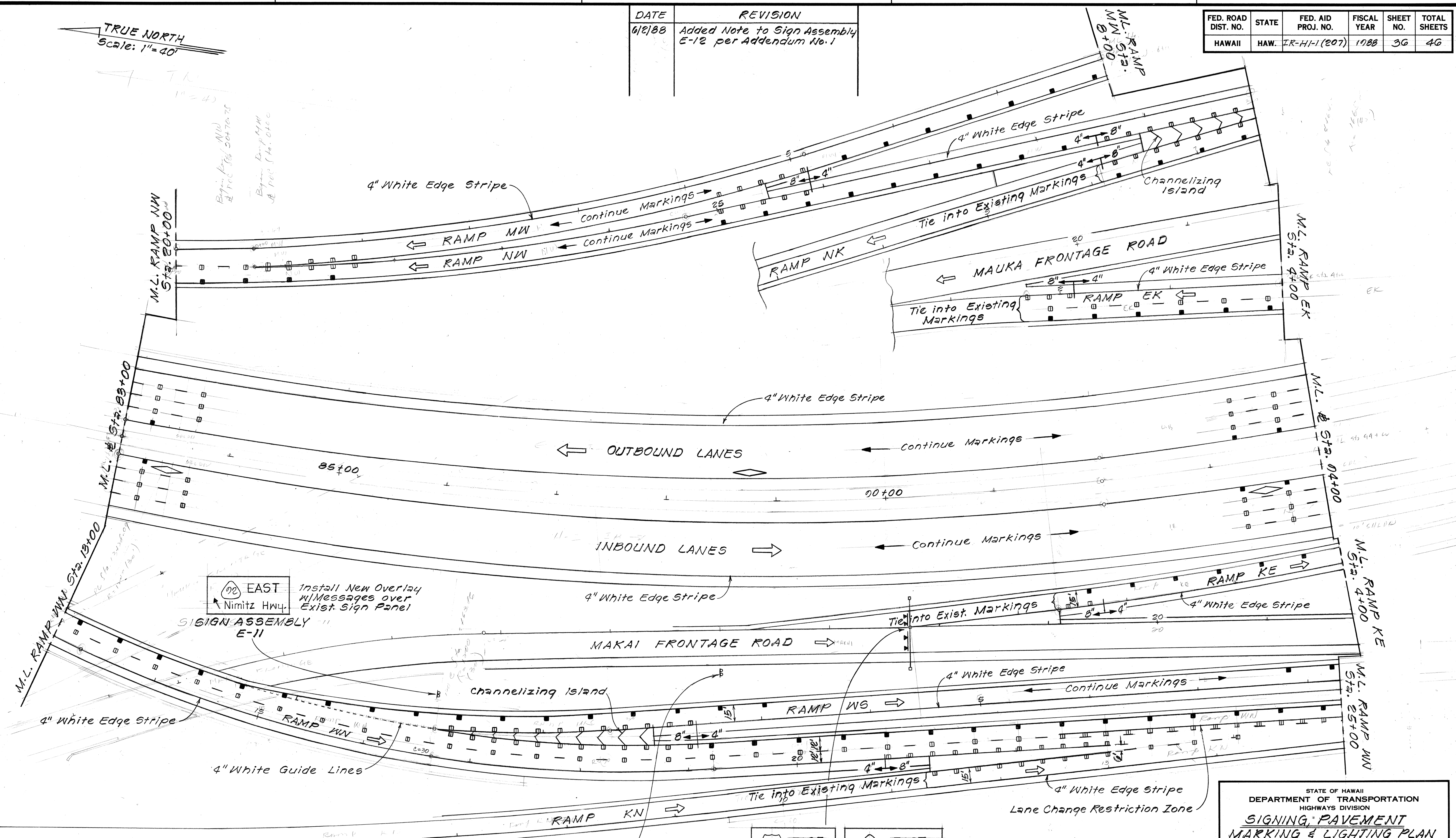
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**SIGNING, PAVEMENT
MARKING & LIGHTING PLAN**
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. IR-HI-1(207)
Scale: 1"=40' Date: May, 1988
SHEET No. 7 OF 20 SHEETS

DATE	
SURVEY PLOTTED BY	
ORIGINAL PLAN	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1 (207)	1988	36	46

DATE	REVISION
6/2/88	Added Note to Sign Assembly E-12 per Addendum No. 1

TRUE NORTH
Scale: 1" = 40'



92 EAST
Nimitz Hwy.
Install New Overlay w/ Messages over Exist. Sign Panel
SIGN ASSEMBLY E-11

MAKAI FRONTAGE ROAD

4" White Guide Lines

Lane Change Restriction Zone

DATE	
SURVEY PLOTTED BY	
ORIGINAL PLAN	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

W13-3(35)
RAMP
35
M.P.H.

Remove Exist. Sign & Posts & Install New Sign w/ Posts & Install RM-2 on Post (1 Ea.)

Install New Overlay w/ Messages over Exist. Sign Panel

BUSINESS DISTRICTS
D-8

92 EAST
Honolulu
SIGN ASSEMBLY E-12

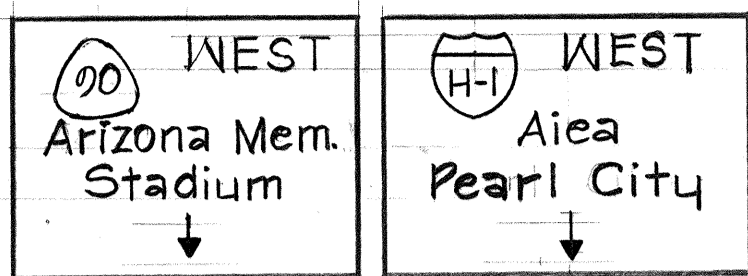
92 EAST
Airport Honolulu

Install New Overlay w/ Messages over Exist. Sign Panel

For Right Panel Layout, See Sht. No. T155-2

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING, PAVEMENT MARKING & LIGHTING PLAN
INTERSTATE ROUTE HI RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT NO. IR-HI-1 (207)
Scale: 1" = 40' Date: May, 1988
SHEET No. 7/10 OF 20 SHEETS

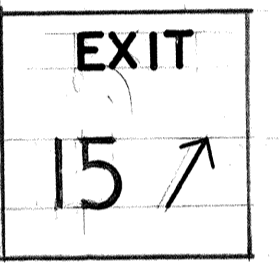
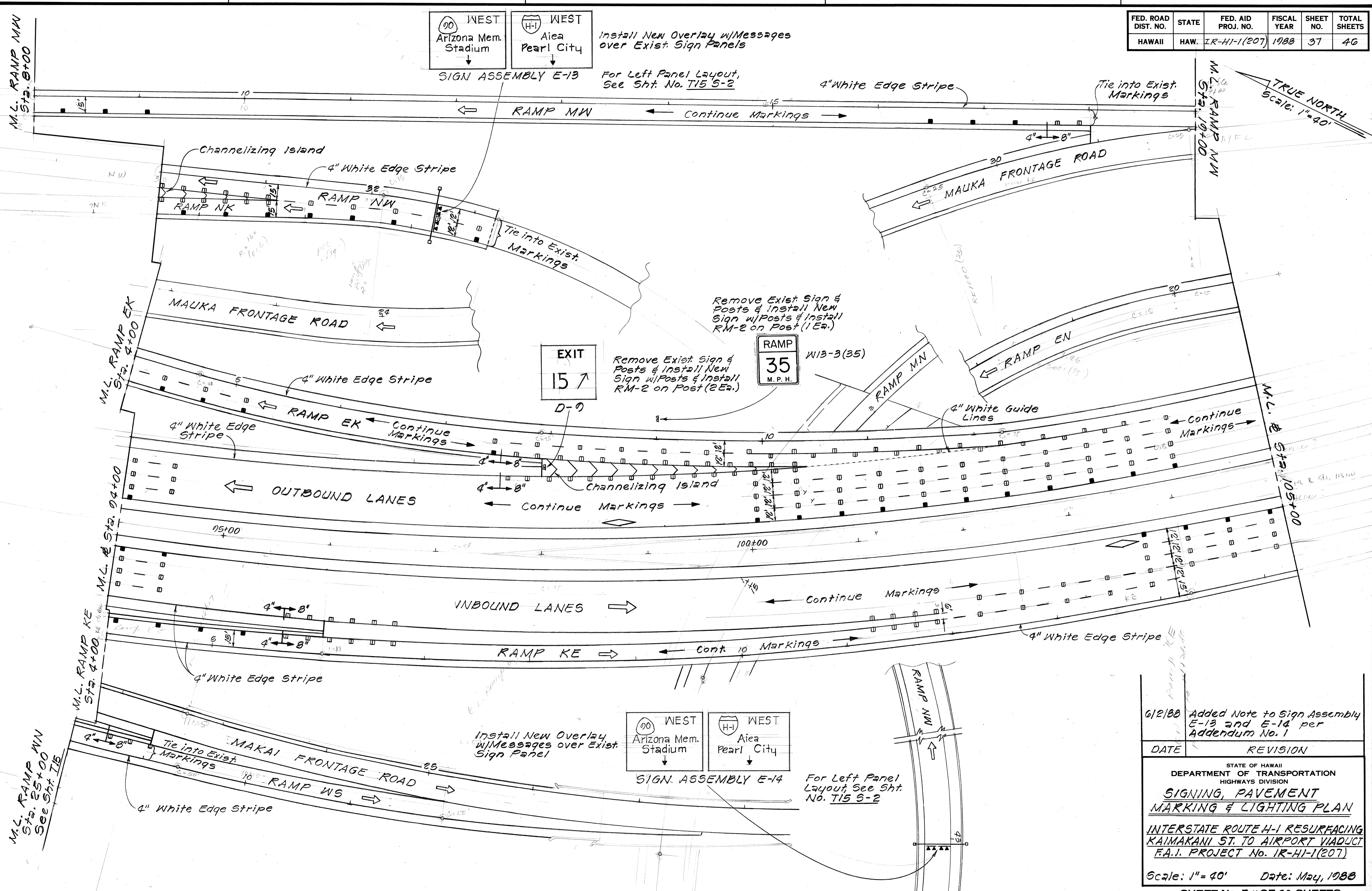
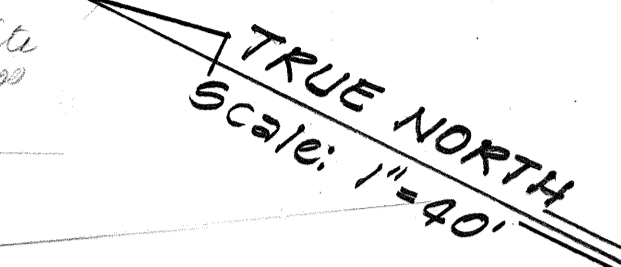
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	37	46



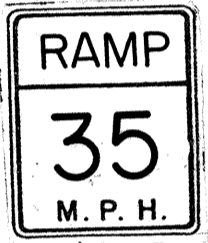
Install New Overlay w/ Messages over Exist. Sign Panels

SIGN ASSEMBLY E-13

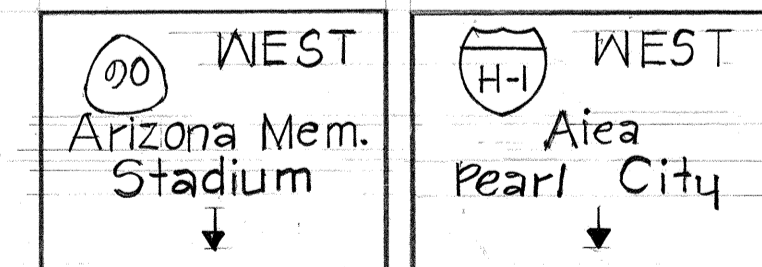
For Left Panel Layout, See Sht. No. T15 S-2



Remove Exist. Sign & Posts & Install New Sign w/ Posts & Install RM-2 on Post (2 Ea.)



W13-3(35)



SIGN ASSEMBLY E-14

For Left Panel Layout, See Sht. No. T15 S-2

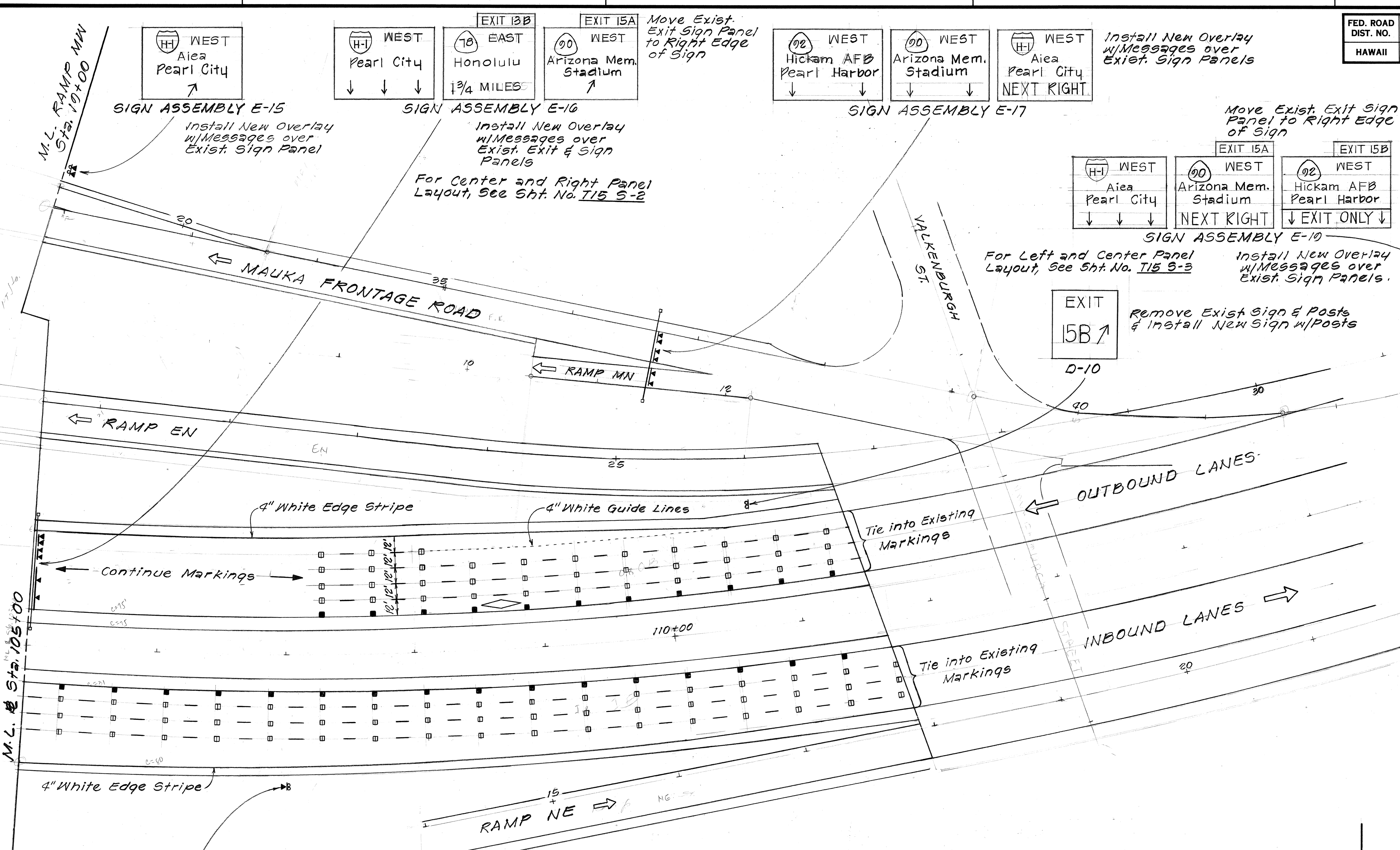
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

6/2/88 Added Note to Sign Assembly E-13 and E-14 per Addendum No. 1

DATE	REVISION
6/2/88	Added Note to Sign Assembly E-13 and E-14 per Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING, PAVEMENT MARKING & LIGHTING PLAN
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. IR-HI-1(207)
Scale: 1"=40' Date: May, 1988

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	38	40



TRUE NORTH
Scale: 1" = 40'

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

EXIT 10
Airport
3/4 MILE
SIGN ASSEMBLY E-18
Install New Overlay w/ Messages over Exist. Sign Panel

6/2/88 Added Note to Sign Assembly E-16 and E-17 per Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING, PAVEMENT MARKING & LIGHTING PLAN
INTERSTATE ROUTE HI RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. IR-HI-1(207)
Scale: 1" = 40' Date: May, 1988
SHEET No. 7 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	30	46

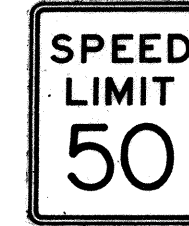
Ramp D Sta. 28+00± to 50+50± Rt.
Remove Exist. RM's & Install New RM-2 w/Flexible Delineator Post (27 Ea.)

Ramp D Sta. 15+00± to 23+50± Lt.
Remove Exist. RM's & Install New RM-2 w/Flexible Delineator Post (15 Ea.)

Ramp G Sta. 20+00± to 38+00± Rt.
Remove Exist. RM's & Install New RM-2 w/Flexible Delineator Post (16 Ea.)

Ramp G Sta. 20+00± to 30+00± Lt.
Remove Exist. RM's & Install New RM-2 w/Flexible Delineator Post (16 Ea.)

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



R2-1(50)-A

4" White Edge Stripe

Continue Markings

Tie into Existing Markings

TRUE NORTH
Scale: 1" = 40'

For Cont. See Sht. No. 14
M.L. RAMP D Sta. 35+00

To Pearl City

H-1 OUTBOUND LANES (EWA)



W4-1(R)-A

MERGE

Remove Exist. Signs & Posts & Install New Signs w/Posts

Ramp WE Sta. 211+50± to 214+50± Rt.
Remove Exist. RM's & Install New RM-2 w/Steel Post (4 Ea.)

TRUE NORTH
Scale: 1" = 40'

Ramp WE Sta. 206+50± to 214+50± Lt.
Remove Exist. RM's & Install New RM-2 w/Steel Post (9 Ea.)

Channelizing Island

210+00

8" ± 4"

8" ± 4"

15

15

15

15

15

15

15

15

15

15

15

15

15

15

Continue Markings

4" White Edge Stripe

Tie into Exist. Markings

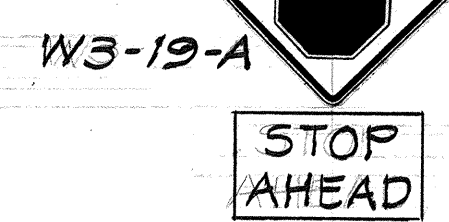
4" White Edge Stripe

Pavement Arrows (3 Ea.)

4" White Guide Line

W1-1(R)-A

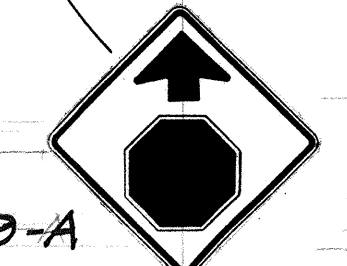
Remove Exist. Sign & Post & Install New Sign w/Post



W3-19-A

STOP AHEAD

Remove Exist. Signs & Install New Signs on Exist. Light Std.



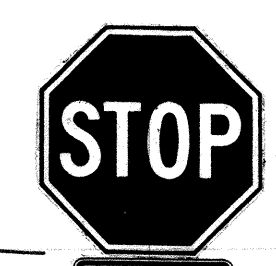
W3-19-A

Remove Exist. Sign & Install New Sign on Exist. Light Std.



RI-1-A

Tie into Exist. Markings



RI-1-A



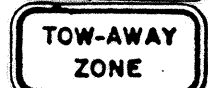
R3-5(R)-A

Remove Exist. Signs & Install New Signs on Exist. Sign Posts

Remove Exist. Sign & Install New Sign on Exist. Light Std.



R8-3



R7-201

Ramp A Sta. 10+80± to 18+00± Rt.
Remove Exist. RM's & Install New RM-2 w/Flexible Delineator Post (10 Ea.)

Ramp A Sta. 15+00± to 18+00± Lt.
Remove Exist. Wall Mounted RM's & Install New RM-2 on Exist. Wall Mount (7 Ea.)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING, PAVEMENT MARKING & LIGHTING PLAN

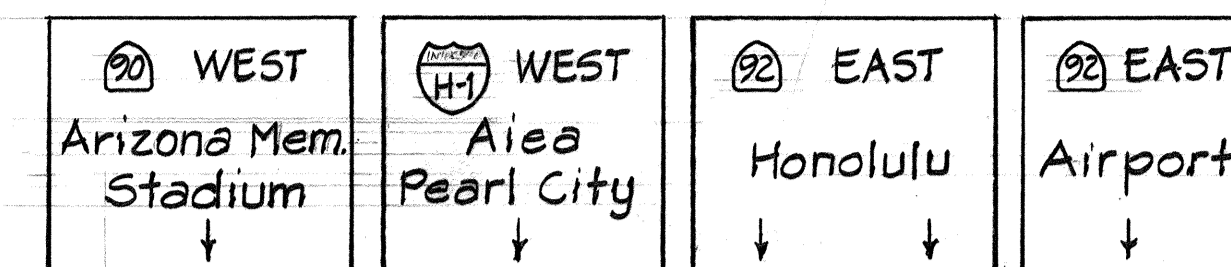
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT NO. 1R-HI-1(207)

Scale: 1" = 40' Date: May, 1988

SHEET NO. 713 OF 20 SHEETS

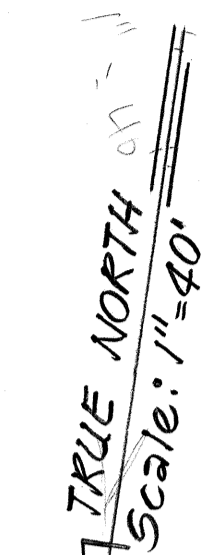
SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NO. OF SHEETS	
NOTE BOOK	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	41	46

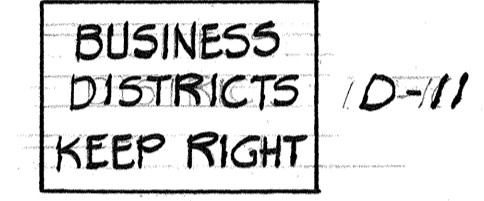


Install New Overlay w/Messages over Exist. Sign Panels
SIGN ASSEMBLY E-21

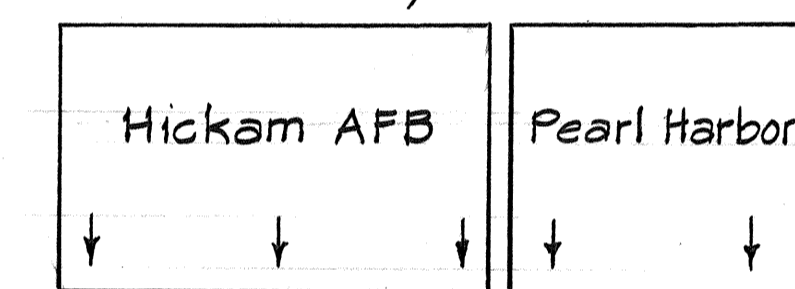
For Left Panel Layout, See Sht. No. T15 S-2



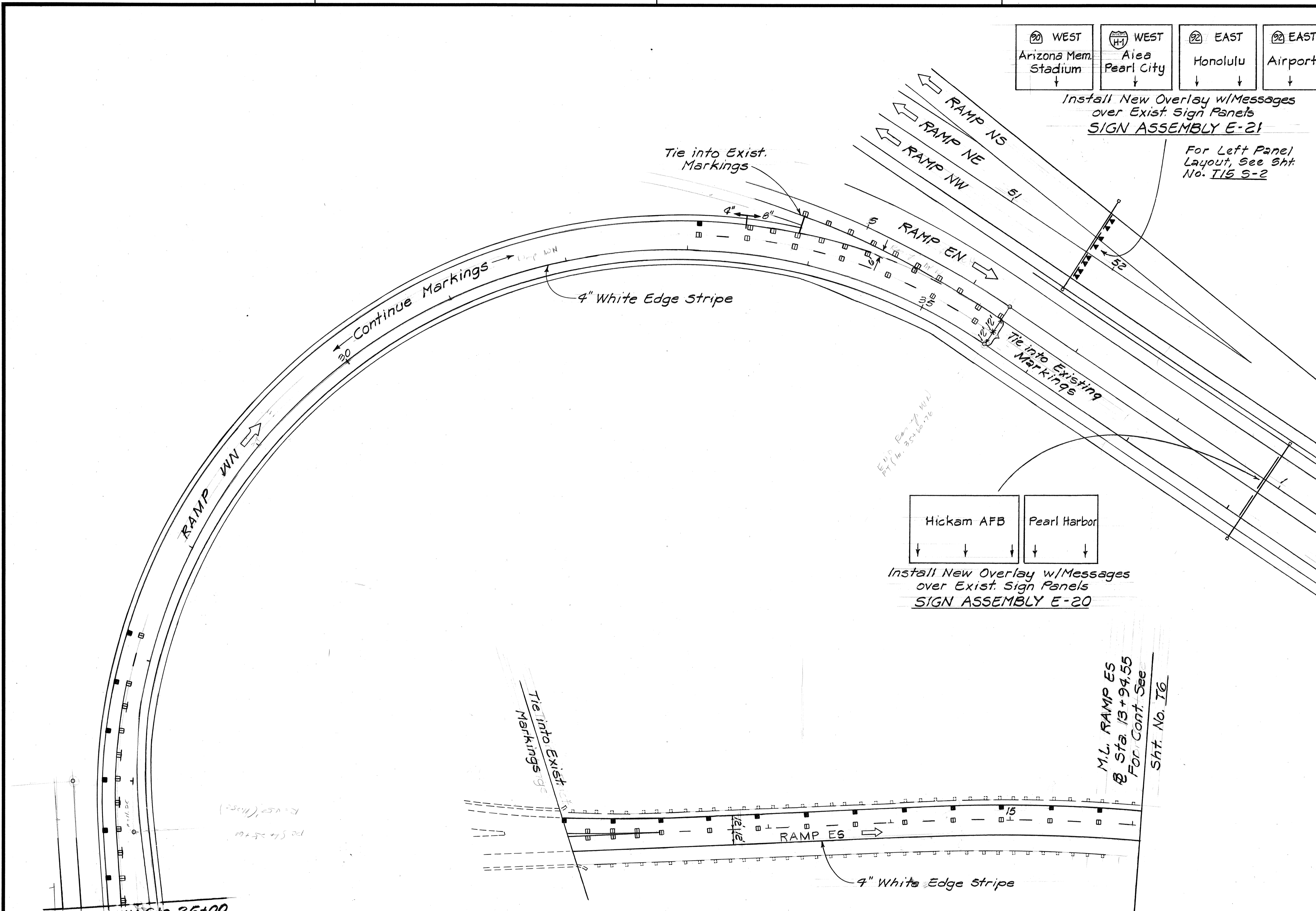
Install New Overlay w/Messages over Exist. Sign Panel



For Panel D-11 Layout, See Sht. No. T15 S-3



Install New Overlay w/Messages over Exist. Sign Panels
SIGN ASSEMBLY E-20



M.L. RAMP WN Sta. 25+00
For Cont. See Sht. No. T10

M.L. RAMP ES
@ Sta. 13+94.55
For Cont. See Sht. No. T6

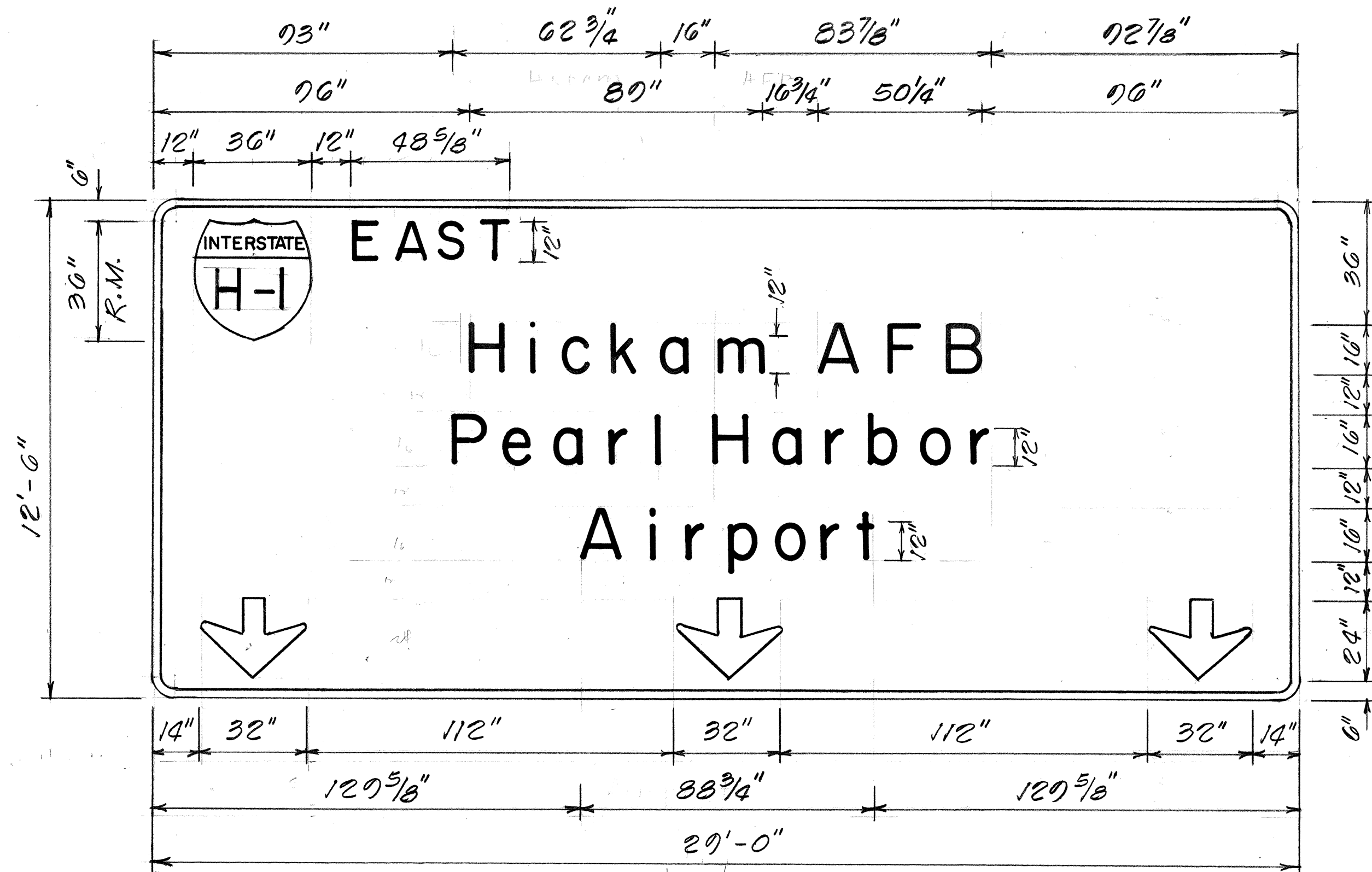
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
CHECKED BY	
NO.	

6/2/88 Added Note to Sign Assembly E-21 & Sign Panel D-11 per Addendum No. 1

DATE	REVISION
6/2/88	Added Note to Sign Assembly E-21 & Sign Panel D-11 per Addendum No. 1

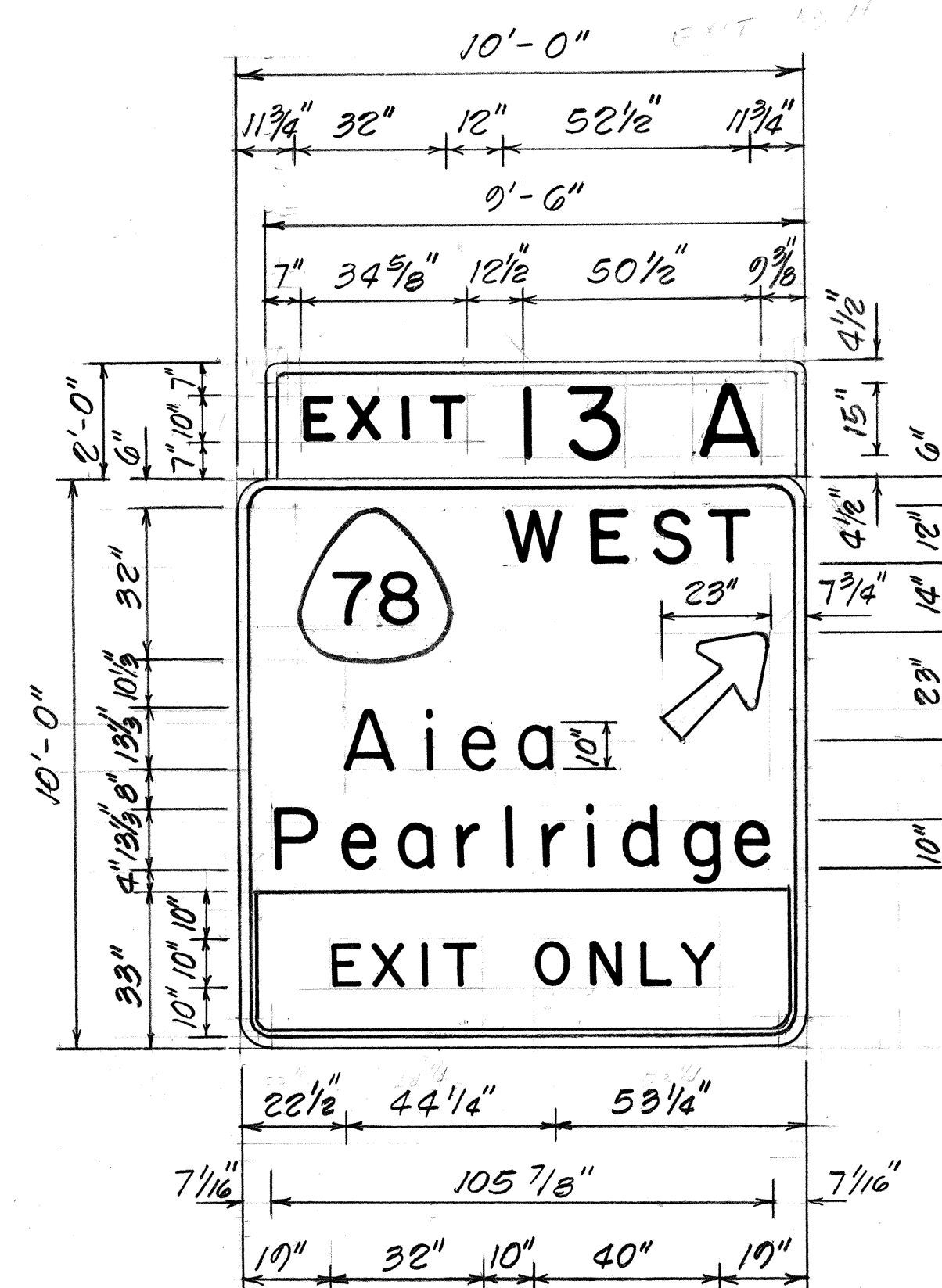
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING, PAVEMENT MARKING & LIGHTING PLAN
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. 1R-HI-1(207)
Scale: 1"=40' Date: May, 1988
SHEET No. 715 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	41 S-1	46



LEFT PANEL

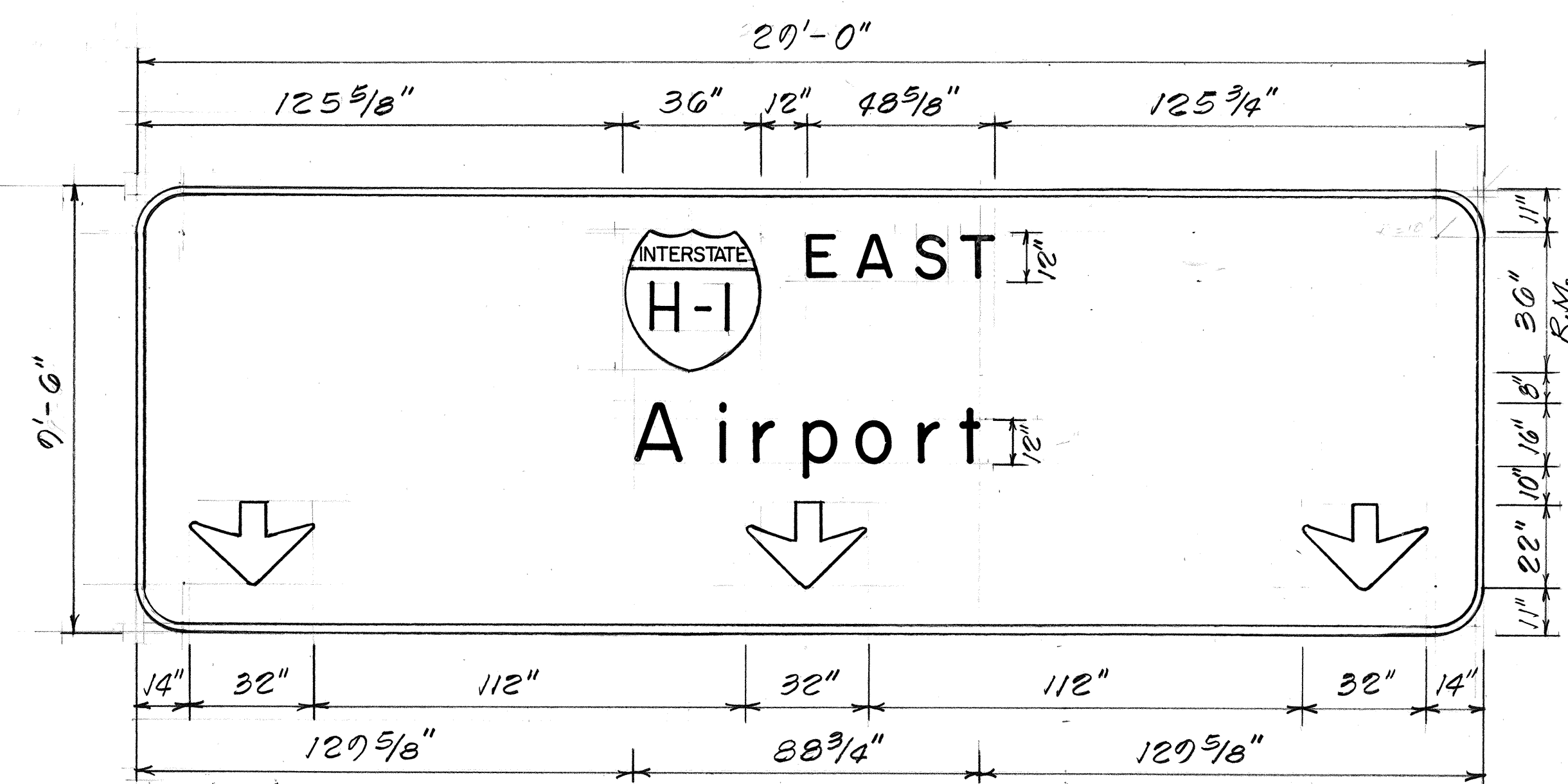
SIGN ASSEMBLY E-1
H-1 # STA. 200+65 I.B.
Scale: 3/8" = 1'-0"



SIGN ASSEMBLY E-3
H-1 # STA. 225+50
Scale: 3/8" = 1'-0"

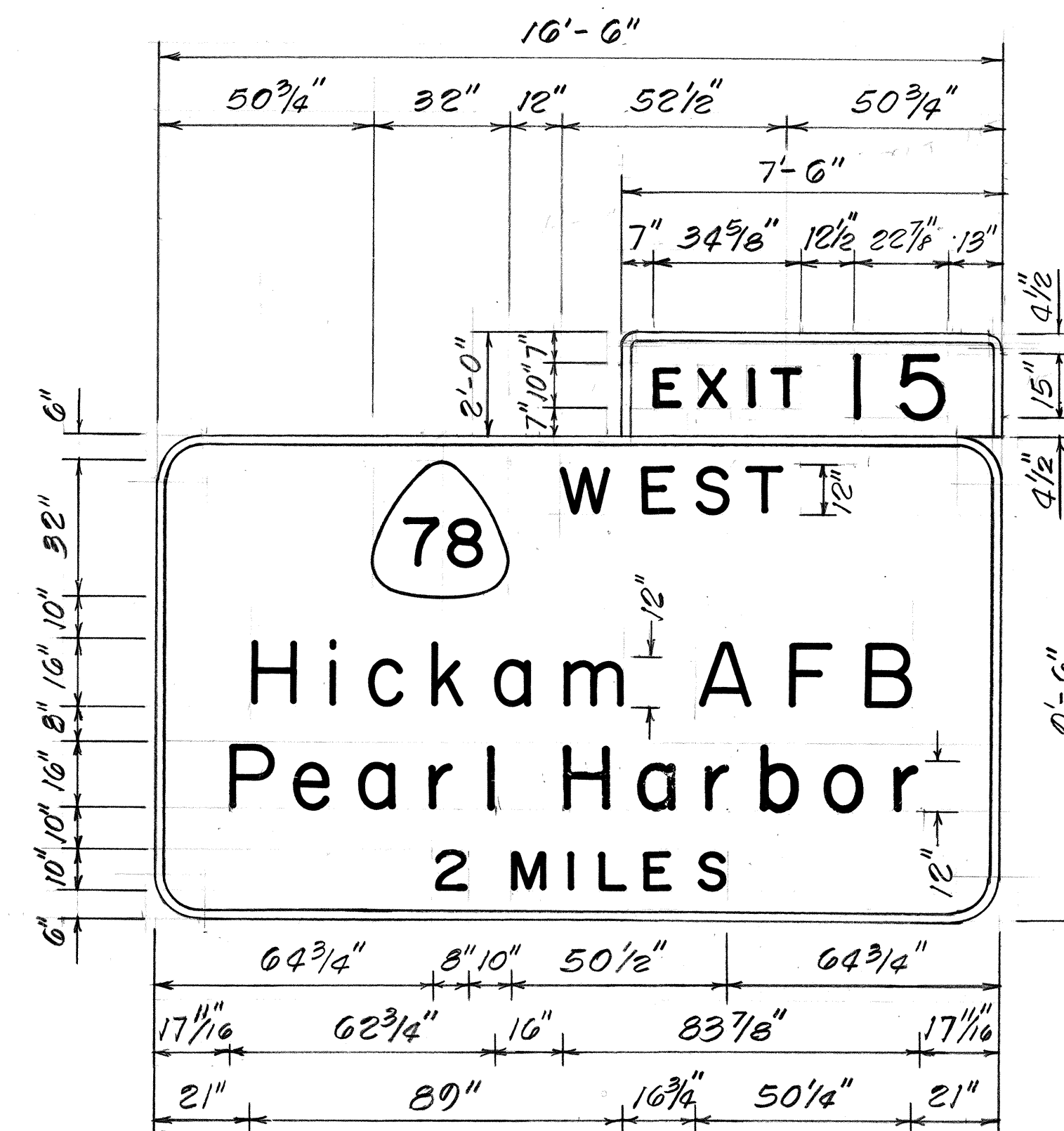
GENERAL NOTES

- Signs shall conform to the latest editions and amendments of the following FHWA publications:
 - "Manual of Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
- Letter Size:
 - When letters are all upper case, use Series "E"
 - When initial upper case letter is used in conjunction with lowercase letters, use Series "E(M)" for uppercase letter
- Borders shall be 2" wide unless otherwise noted. Corner radii shall be in accordance with Standard Plan TE-14.
- Interstate and State Route Marker symbols shall conform to details as shown on the plans and as specified in the MUTCD.
- New sign panels shall be laminated aluminum or extruded aluminum.
- Overlays shall be as specified in Section 621 of the Special Provisions.
- For details of Exit Number Panels, see Sht. No. T20
- "EXIT ONLY" panels shall have a black legend on a high intensity reflectorized yellow background. For details, see Sht. No. T2.



LEFT PANEL

SIGN ASSEMBLY E-2
H-1 # STA. 210+00 I.B.
Scale: 3/8" = 1'-0"



CENTER PANEL

DATE	REVISION
6-20-80	Revised Sign Assembly E-3 to accommodate 0.5 Right Lane Drop.
6/1/88	Sheet added to Contract Plan Set for Additional Details Required per Addendum No. 1.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PANEL LAYOUTS
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJ. No. IR-HI-1(207)

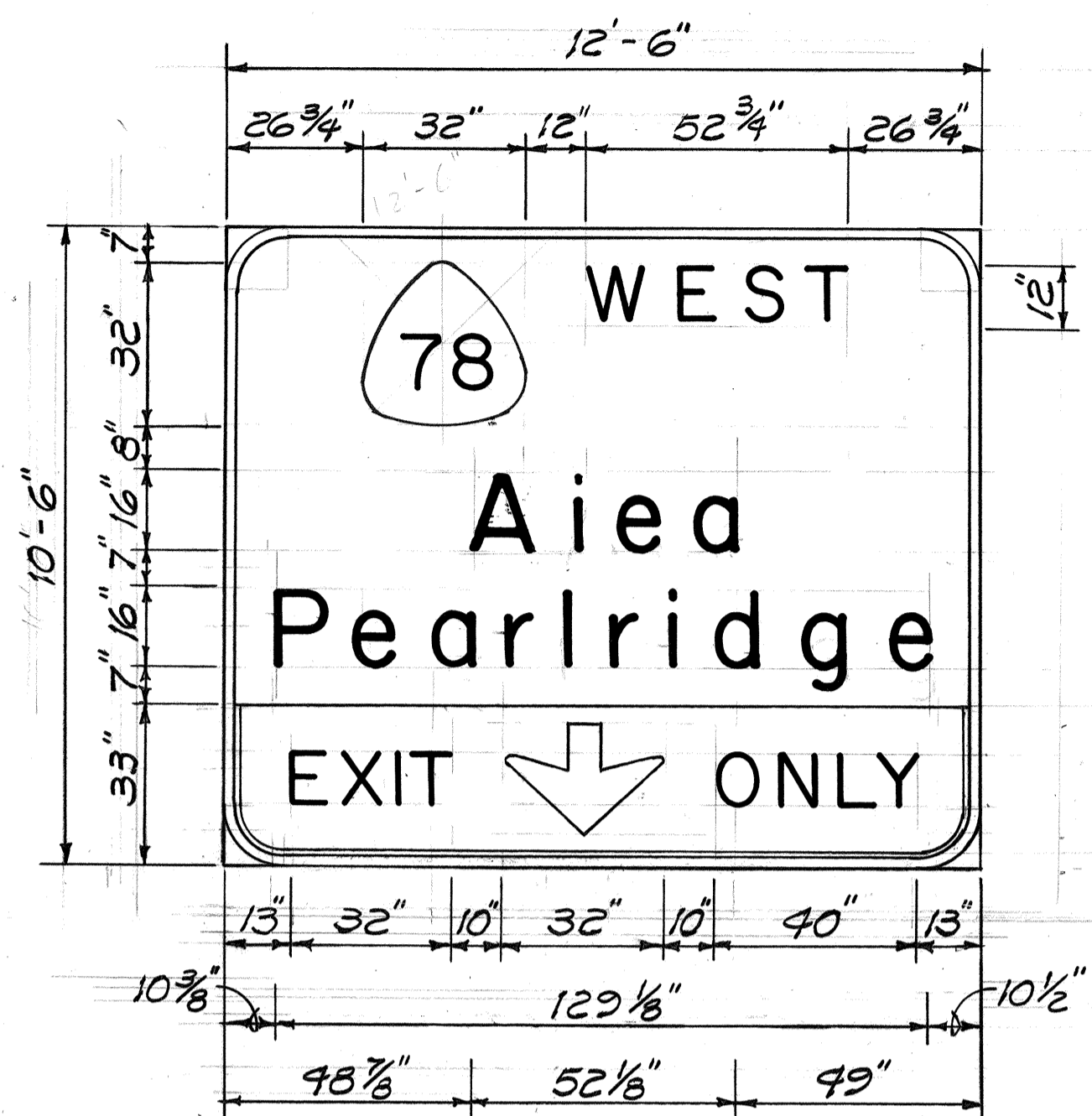
Scale: As Shown Date: June, 1988

SHEET No. 15 OF 20 SHEETS

C.O. ADD. 41 S-1

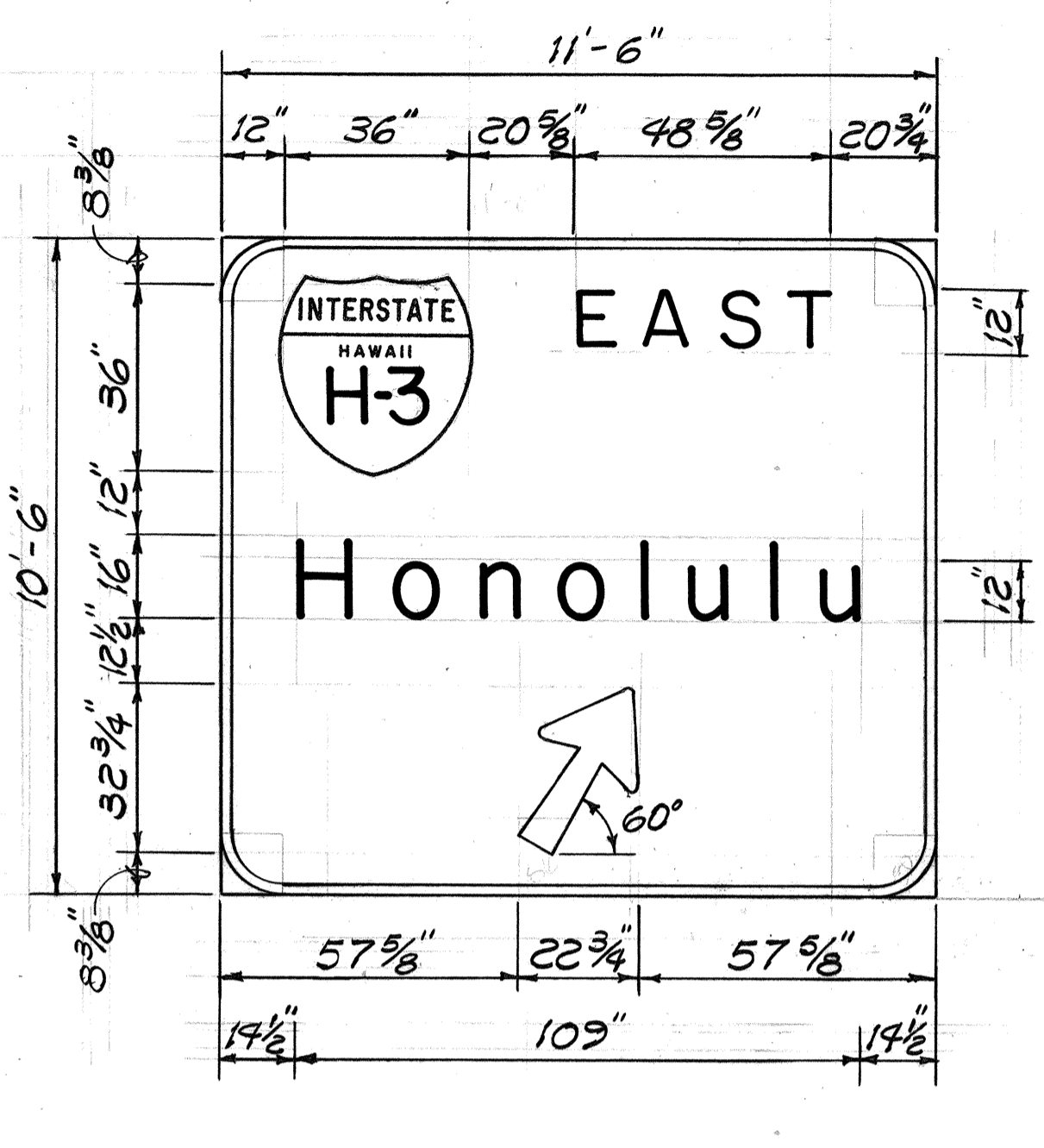
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	ADD. 91 5-2	46

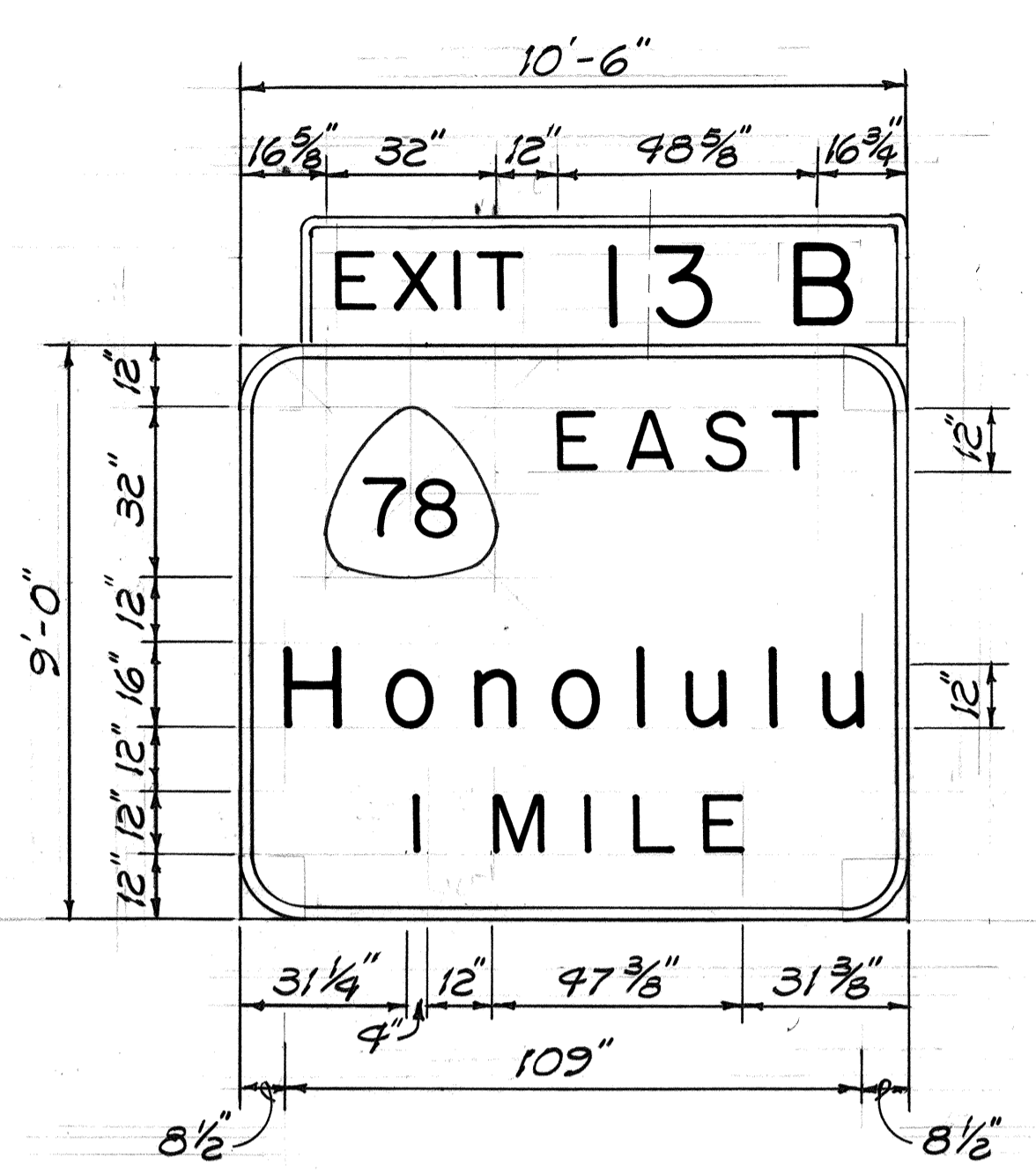


CENTER PANEL

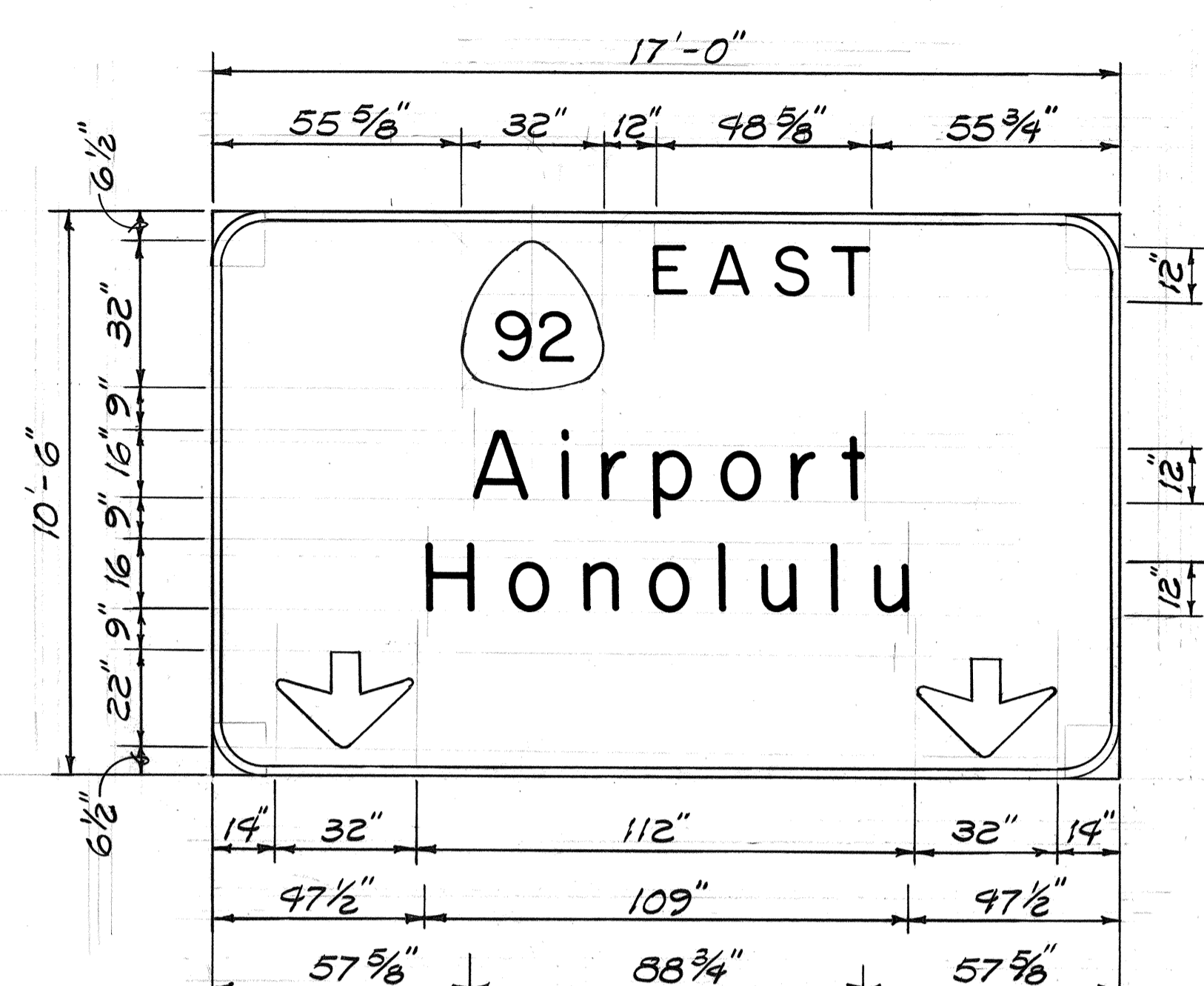
SIGN ASSEMBLY E-4
H-1 B STA. 5+50 ± 0.B.



RIGHT PANEL

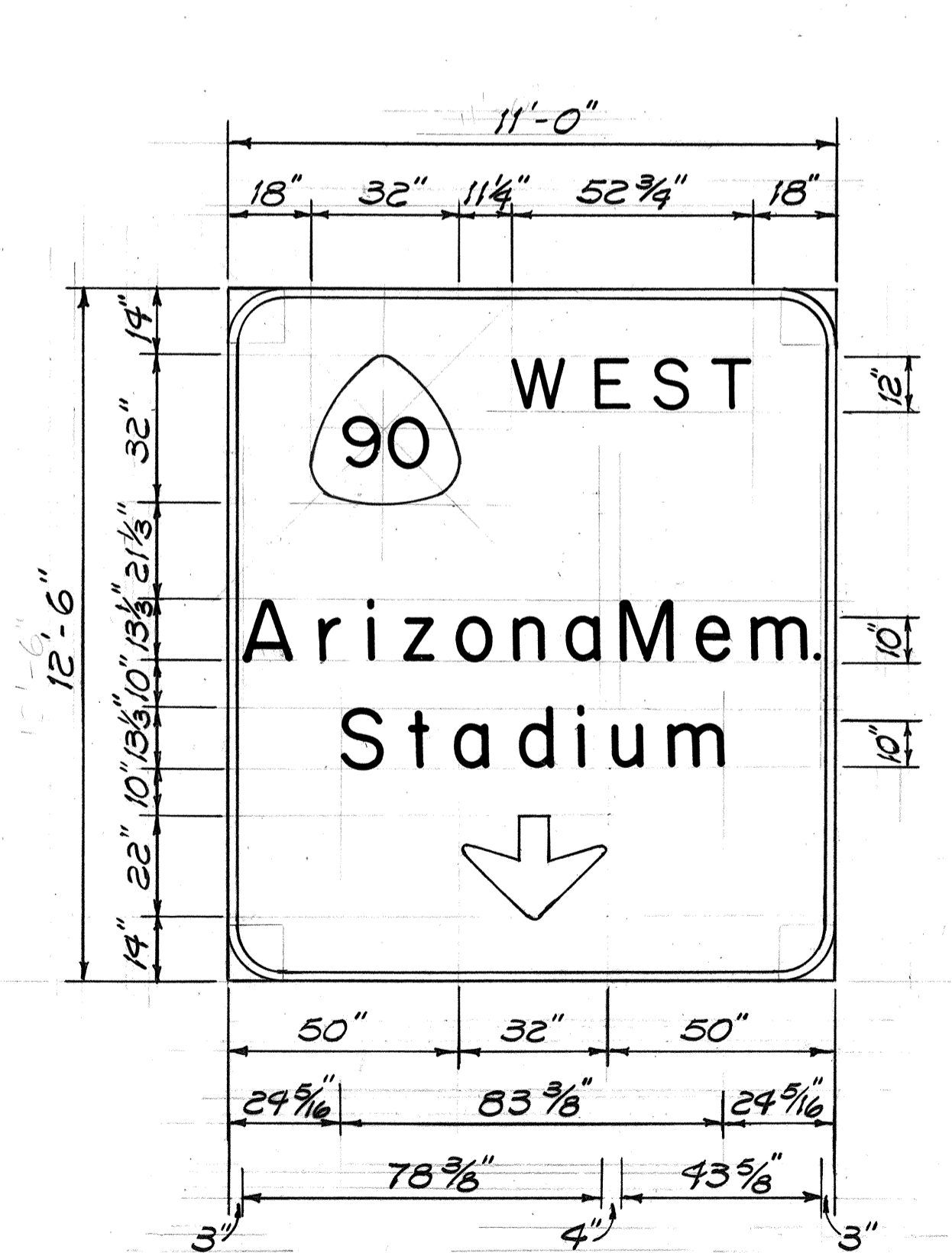


SIGN ASSEMBLY E-7
H-1 B STA. 59+00 ± 0.B.



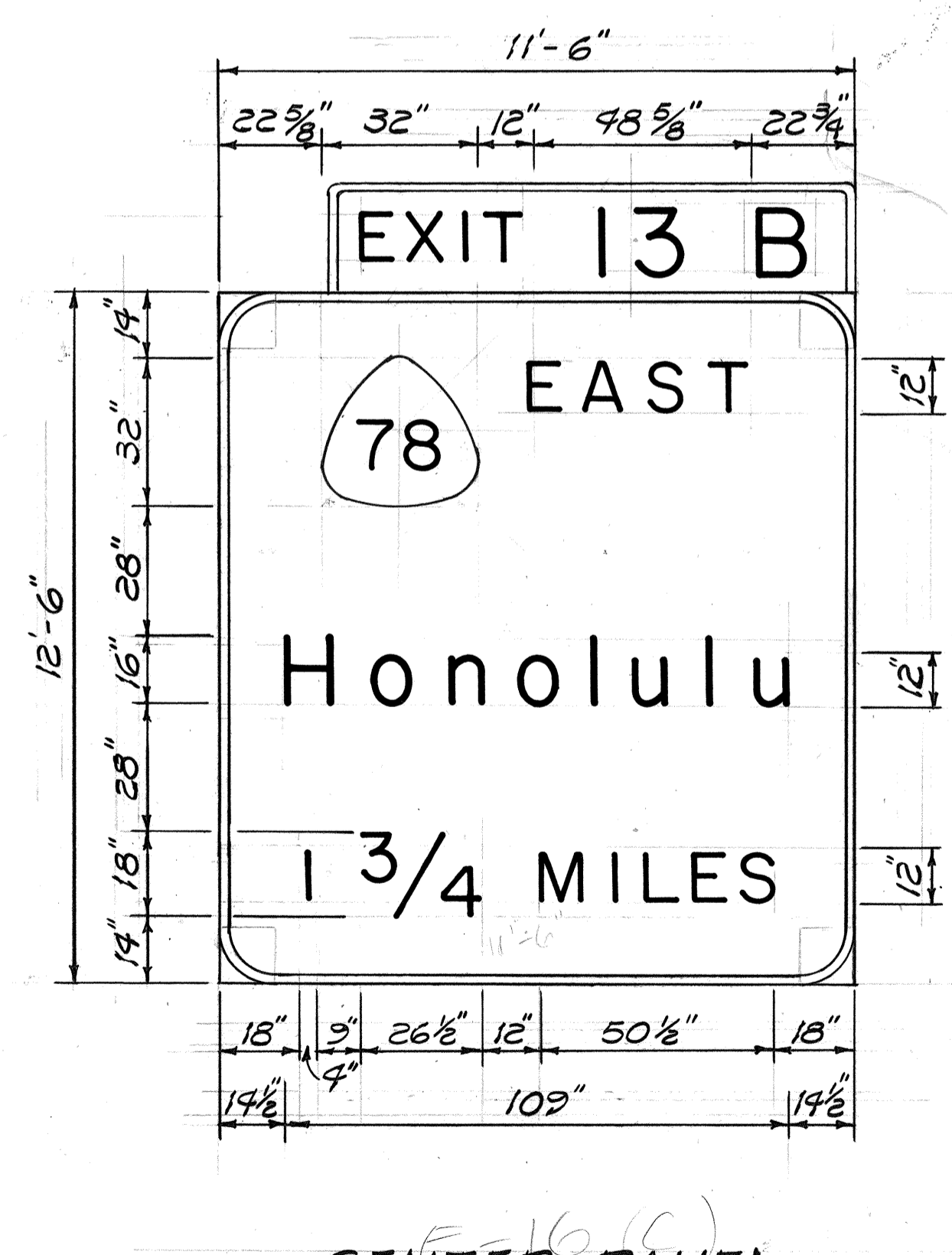
RIGHT PANEL

SIGN ASSEMBLY E-12
MAKAI F.R. STA. 17+75 ± LT.



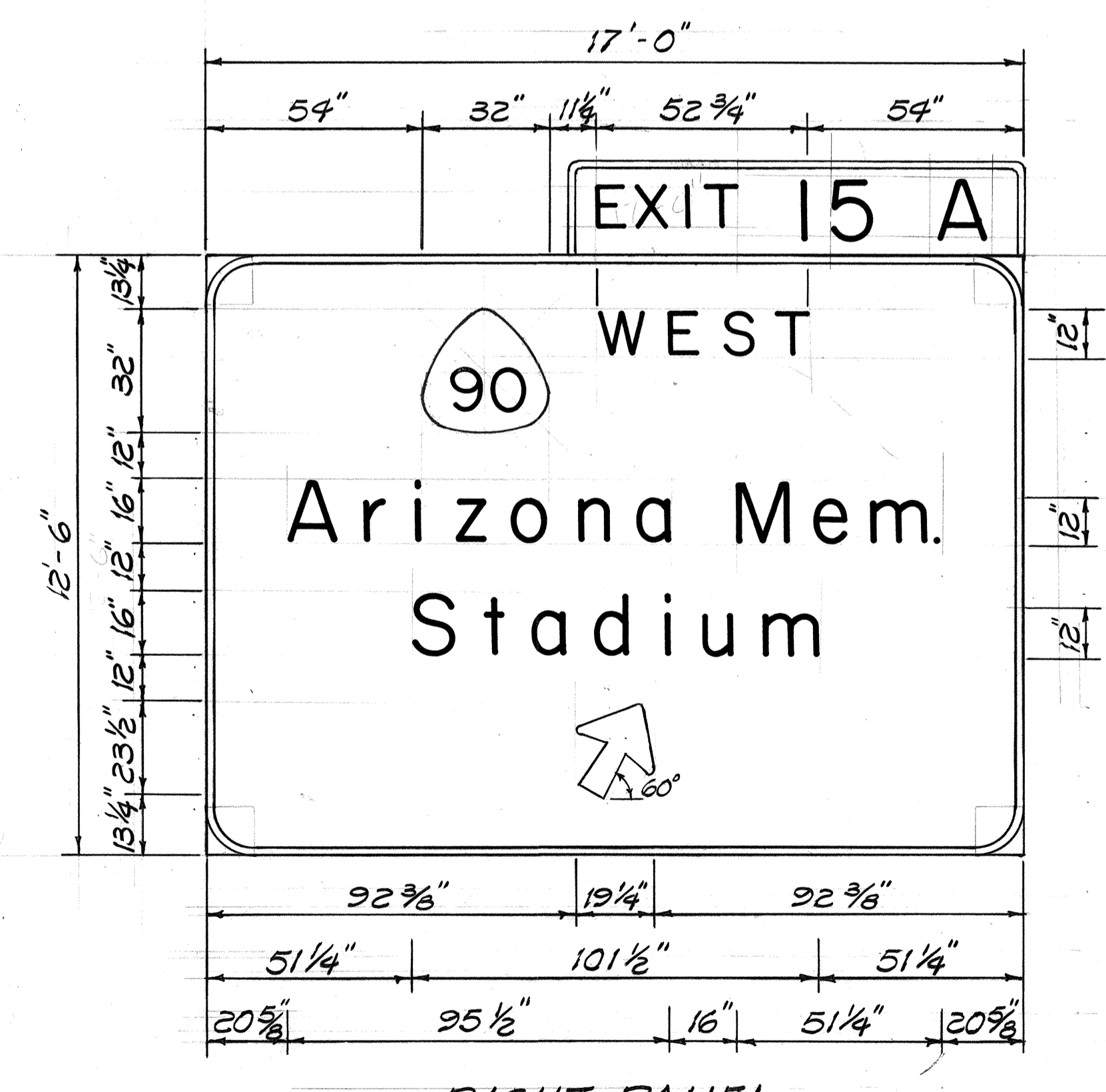
LEFT PANEL

SIGN ASSEMBLIES E-13, E-14 & E-21
RAMP NW STA. 32+60 ± (E-13)
RAMP NW STA. 43+00 ± (E-14)
RAMP NW STA. 51+75 ± (E-21)



CENTER PANEL

SIGN ASSEMBLY E-16
H-1 B STA. 105+00 ± 0.B.



RIGHT PANEL

DATE	REVISION
4/21/89	Revised Sign Assembly E-4 Center Panel Message
6/1/88	Sheet added to Contract Plan Set for Additional Details Required per Addendum No. 1.

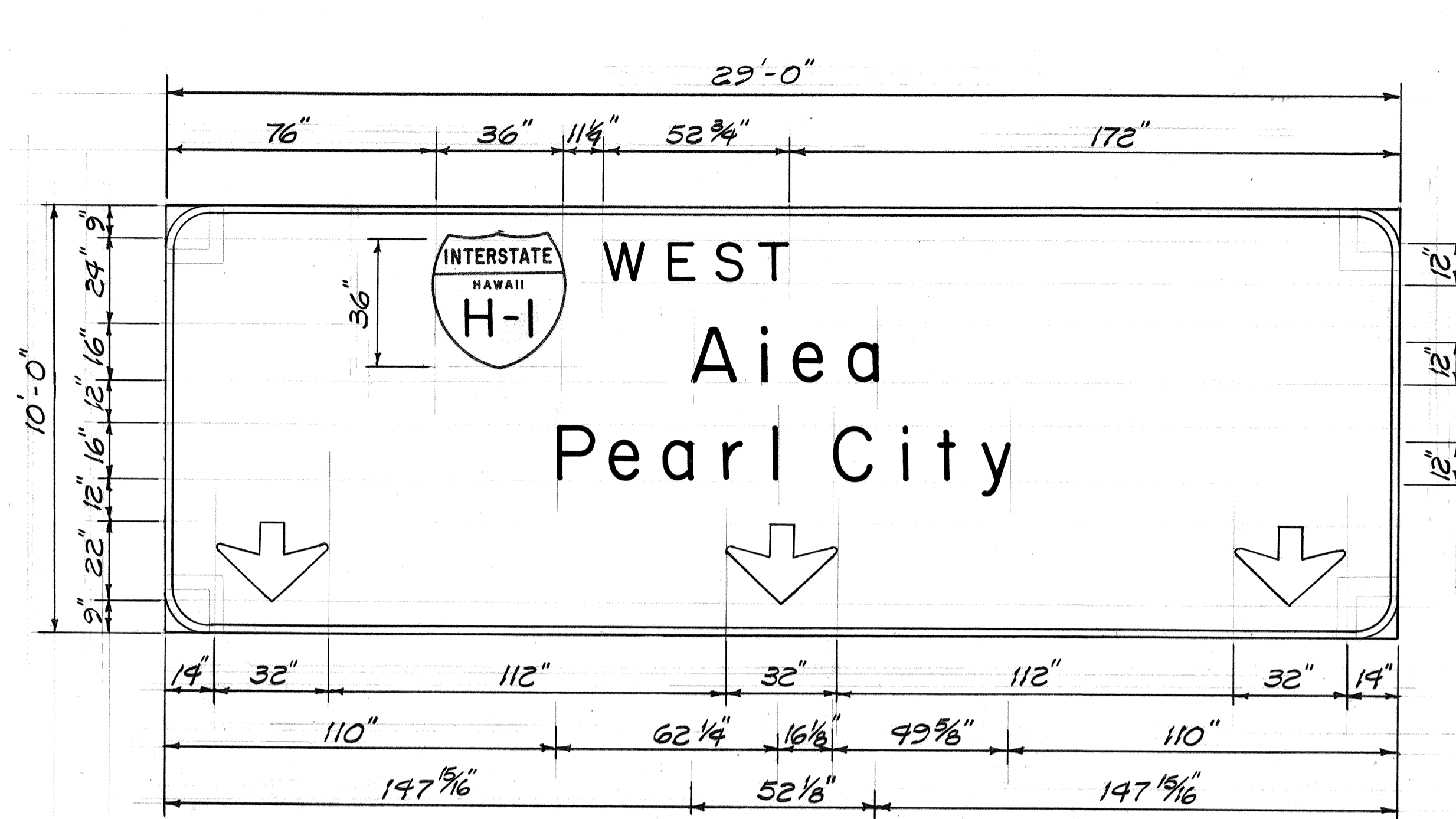
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PANEL LAYOUTS
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJ. No. IR-HI-1(207)

Scale: 3/8" = 1'-0" Date: June, 1988

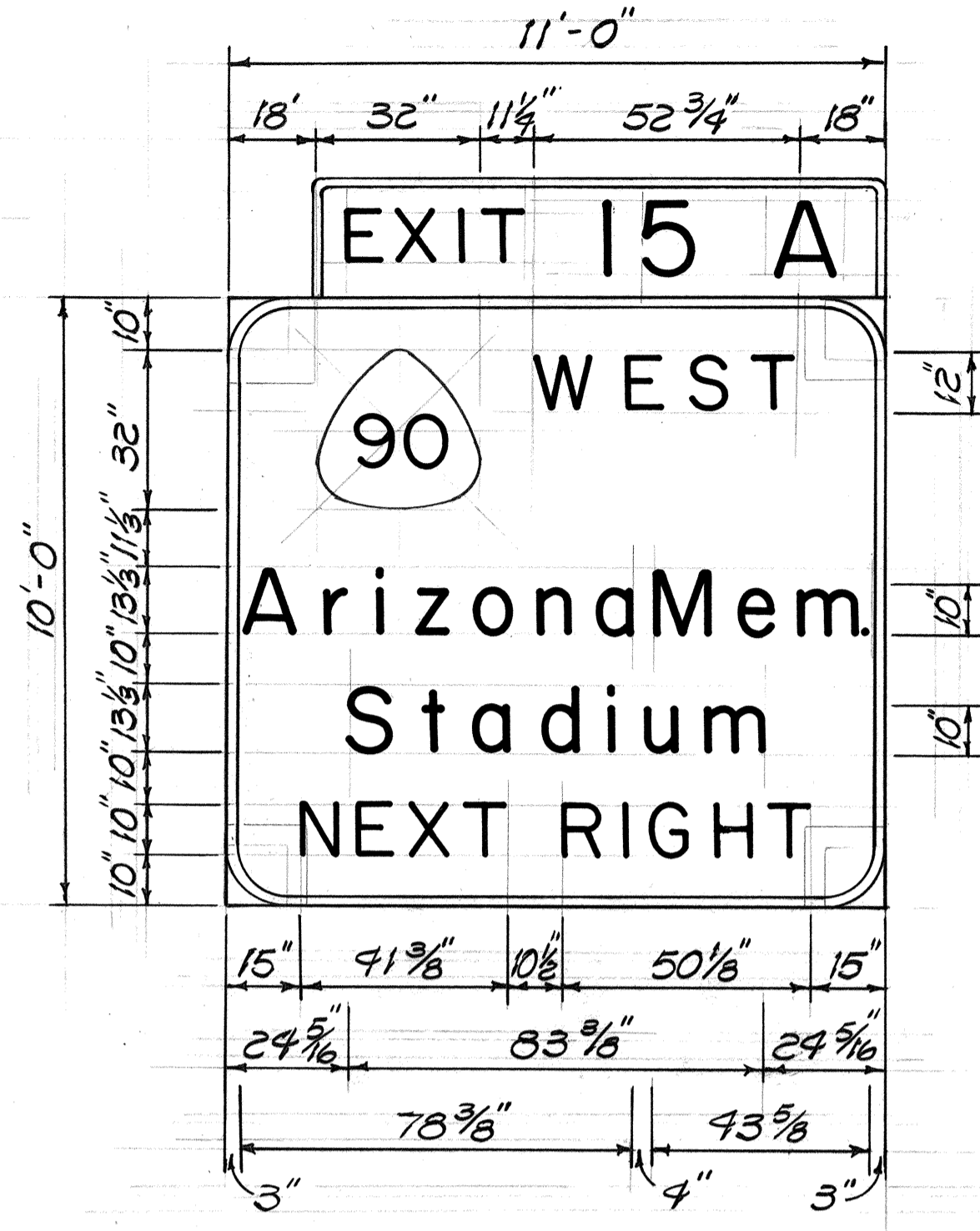
SHEET No. 13 OF 20 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

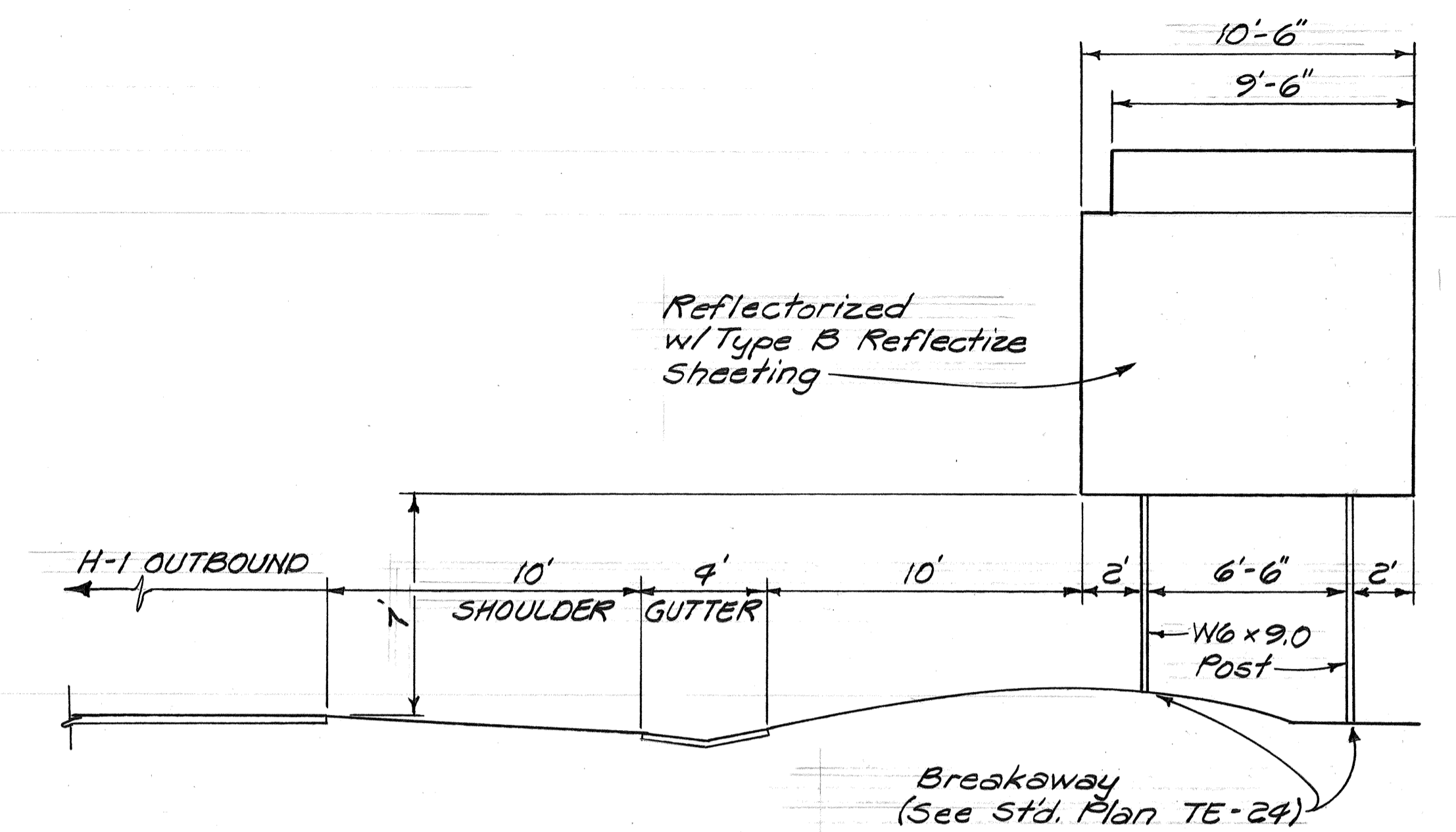
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	ADD 41 5-3	46



LEFT PANEL

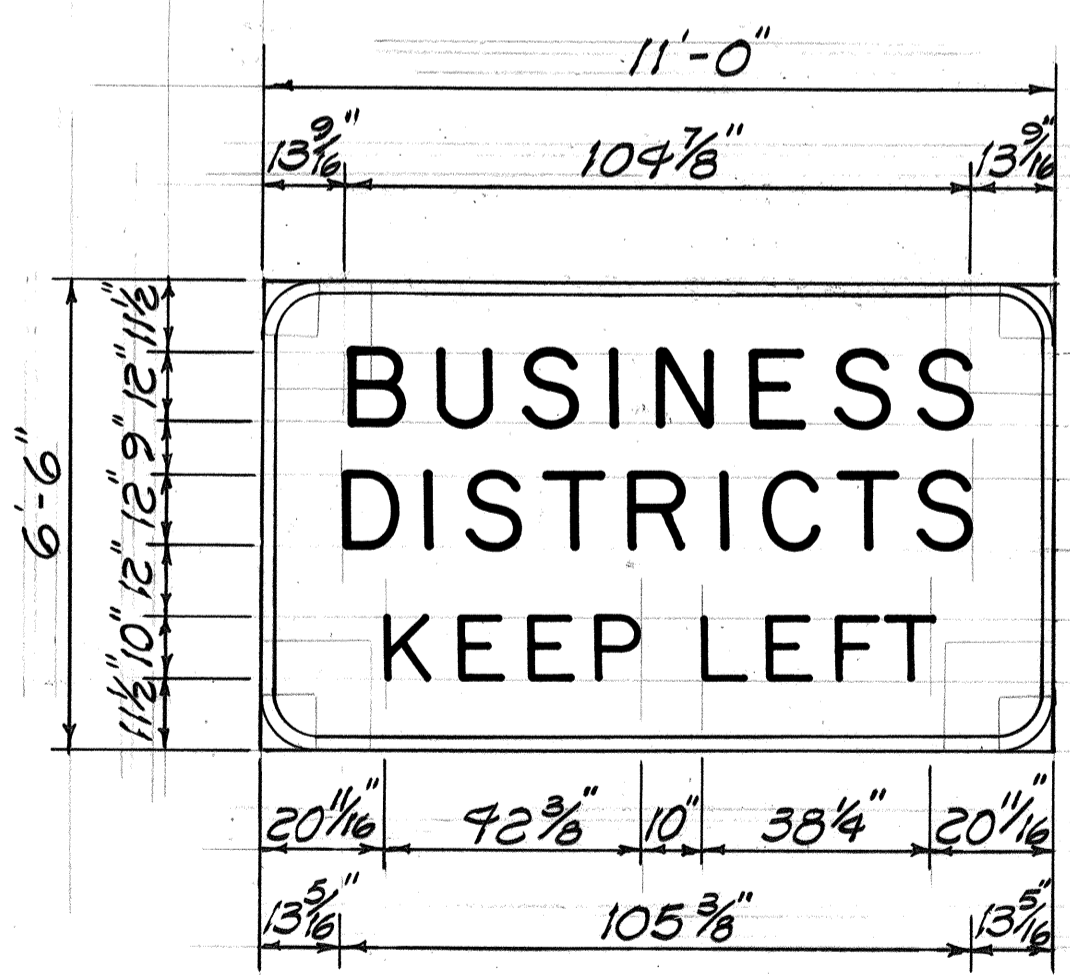


CENTER PANEL

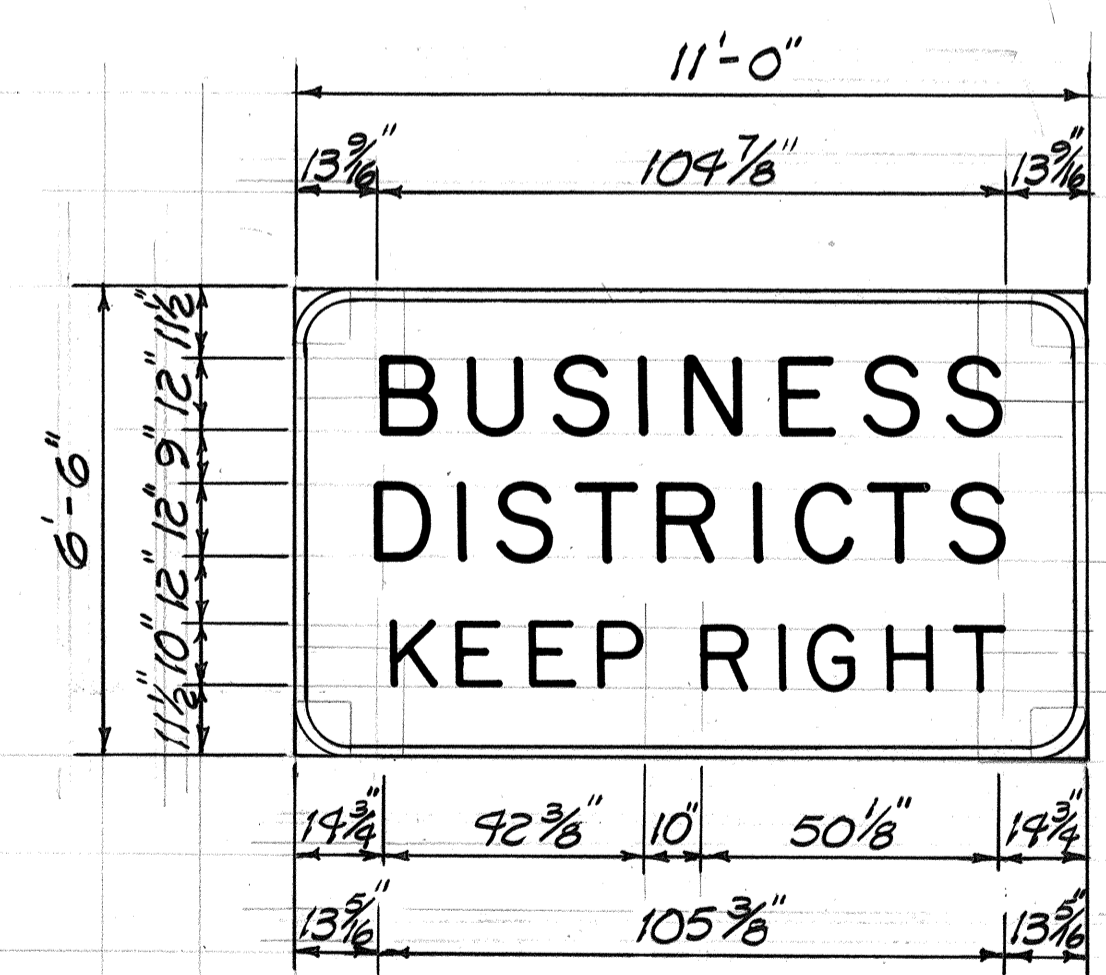


GROUND MOUNTED LAYOUT FOR SIGN E-7
H-1 OUTBOUND STA. 59+00
Scale: 1/4" = 1'-0"

SIGN ASSEMBLY E-12
H-1 @ STA. 116+00 ± LT.



SIGN D-7
RAMP WN STA. 10+70 ± LT.



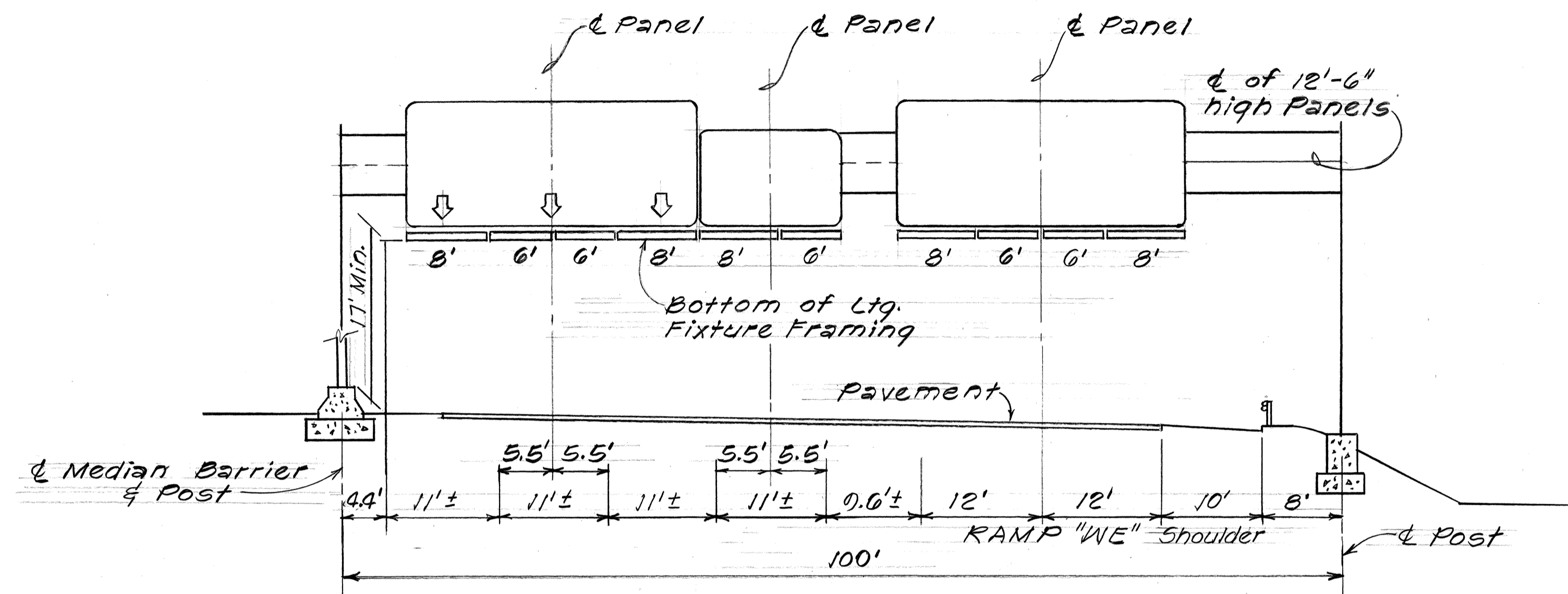
SIGN D-11
RAMP NW STA. 55+00 ± LT.

DATE	REVISION
5/24/89	Added Sign Assembly E-7 Ground Mounted Layout Detail.
6/1/88	Sheet added to Contract Plan Set for Additional Details Required per Addendum No. 1.

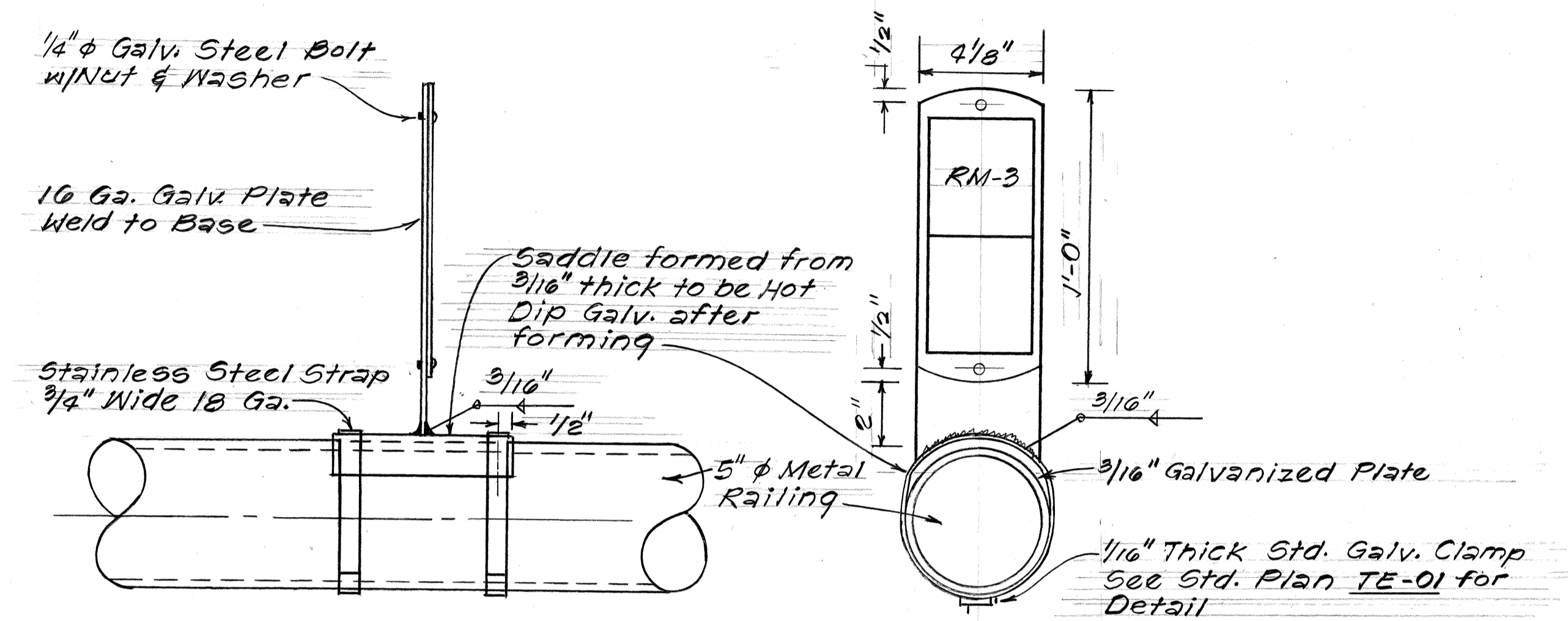
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PANEL LAYOUTS
INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJ. No. 1R-HI-1(207)
Scale: 3/8" = 1'-0" Date: June, 1988

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

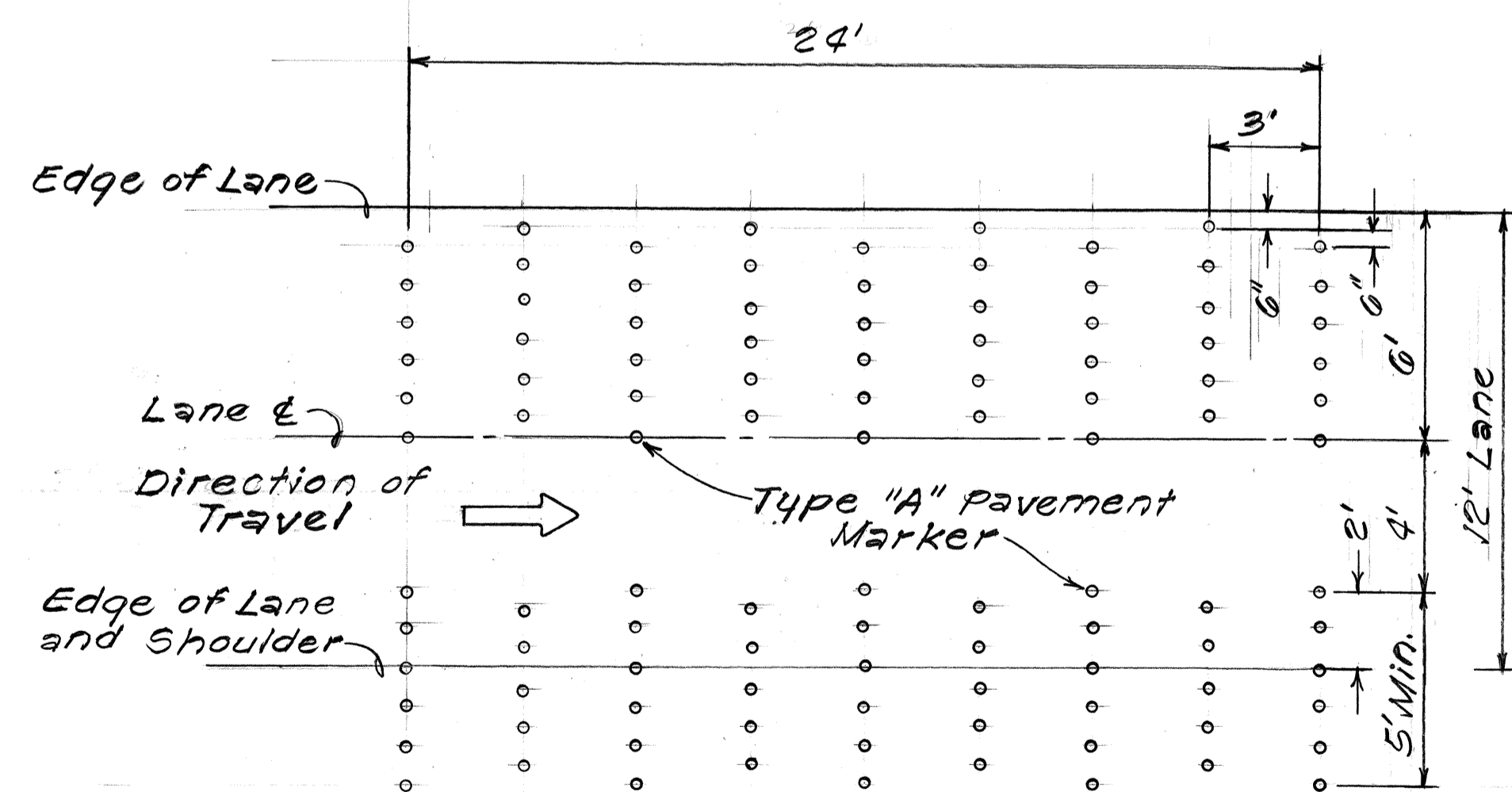
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	42	46



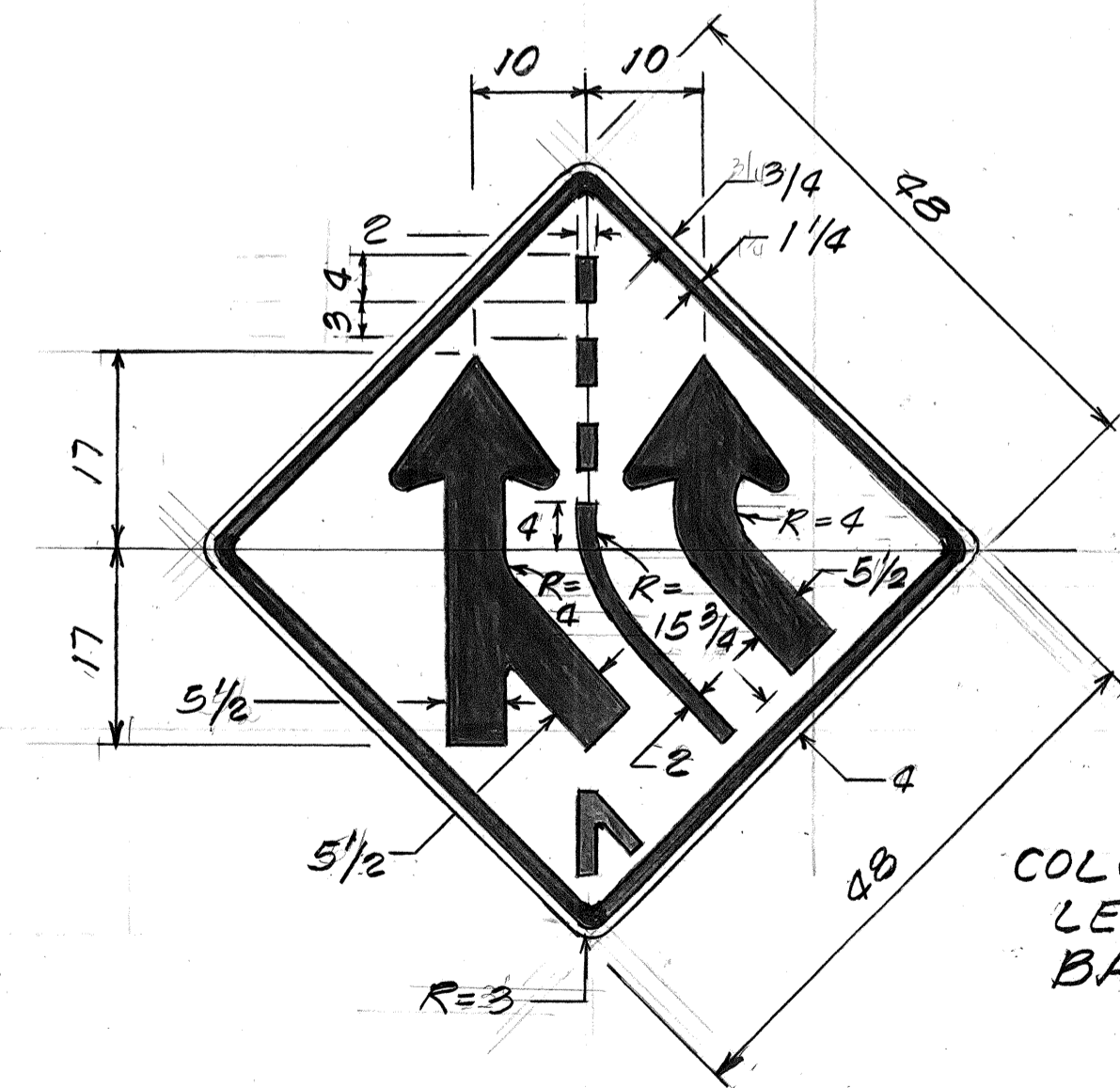
SIGN FRAME LAYOUT
 INTERSTATE ROUTE H-1 INBOUND STA. 200+65
 Scale: 1"=10'



DETAIL OF BRACKET FOR REFLECTOR MARKER
 MOUNTED ON BRIDGE RAILINGS
 Not to Scale



RUMBLE STRIP DETAIL
 Not to Scale



COLORS:
 LEGEND-BLACK (Non-Ref.)
 BACKGROUND-YELLOW (Non-Ref.)

W4-4-A
 Not to Scale

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
MISCELLANEOUS DETAILS

INTERSTATE ROUTE H-1 RESURFACING
 KAIMAKANI ST. TO AIRPORT VIADUCT
 F.A.I. PROJECT No. IR-HI-1(207)

Scale: 1"=40' Date: May, 1988
 SHEET No. 7/16 OF 20 SHEETS

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

EXPRESSWAY SIGN SUMMARY

TYPE	LOCATION	MESSAGE	SIZE	OVERLAY AREA(S.F.)	SIGN LUMINAIRE
E-1	@ STA. 200+65 RT.	Ⓜ EAST, Hickam AFB, Pearl Harbor, Airport, ↓↓↓ Halawa Hts., Stadium, NEXT RIGHT Ⓜ EAST, Honolulu, ↑ Ⓜ WEST, Aiea	29'-0" x 12'-6" 14'-0" x 10'-6" 26'-0" x 12'-6"	362.50 197.00 325.00	2 EA. 2 EA. 2 EA.
E-2	@ STA. 219+00 RT.	Ⓜ EAST, Airport ↓↓↓ Ⓜ WEST, Hickam AFB, Pearl Harbor, 2 Miles Halawa Hts., Stadium ↑	29'-0" x 9'-6" 16'-6" x 9'-6" 14'-6" x 9'-6"	275.00 156.75 137.75	2 EA. 2 EA. 2 EA.
E-3	@ STA. 225+50 LT.	Ⓜ WEST, Aiea, Pearlridge ↑ Ⓜ WEST, Pearl City ↓↓↓	10'-0" x 10'-0" 29'-6" x 10'-6"	100.00 309.75	2 EA. 2 EA.
E-4	@ STA. 5+50 LT.	Ⓜ WEST, Aiea, Pearlridge, NEXT RIGHT Ⓜ EAST, Honolulu ↑	12'-6" x 10'-6" 11'-6" x 10'-6"	131.25 120.75	2 EA. 2 EA.
E-5	@ STA. 25+50 RT.	Ⓜ WEST, Airport, Honolulu, ↓↓↓ EAST @ WEST, Nimitz Hwy. 1 Hickam AFB, Pearl Harbor ↓ 1 MILE ↓	29'-6" x 12'-6" 31'-0" x 12'-6"	368.75 387.50	2 EA. 3 EA.
E-6	@ STA. 56+00 RT.	Ⓜ EAST, Airport, Honolulu EAST @ WEST, Nimitz Hwy. 1 Hickam AFB, Pearl Harbor EXIT ↓ ONLY	29'-0" x 12'-6" 31'-0" x 12'-6"	362.50 387.50	2 EA. 3 EA.
E-7	@ STA. 59+00 LT.	Ⓜ EAST, Honolulu, 1 MILE	10'-6" x 9'-0"	94.50	—
E-8	@ STA. 72+50 RT.	EAST @ WEST Nimitz Hwy. 1 Hickam AFB, Pearl Harbor ↓ EXIT ONLY ↓	31'-0" x 12'-6"	387.50	3 EA.
E-9	RAMP WN STA. 11+00	Ⓜ EAST, Nimitz Hwy., NEXT LEFT Ⓜ WEST, Hickam AFB, Pearl Harbor ↓↓	15'-0" x 12'-6" 17'-0" x 12'-6"	187.50 212.50	2 EA. 2 EA.
E-10	MAKAI F.R. STA. 6+70	Ⓜ EAST, Honolulu ↓ Ⓜ EAST, Airport ↓ Ⓜ WEST, Hickam AFB, Pearl Harbor ↓	12'-0" x 12'-6" 10'-6" x 12'-6" 16'-0" x 12'-6"	150.00 131.25 200.00	2 EA. 1 EA. 2 EA.
E-11	RAMP WS STA. 0+00 LT.	Ⓜ EAST, ↘ Nimitz Hwy.	18'-0" x 8'-6"	153.00	—
E-12	MAKAI F.R. STA. 17+75	Ⓜ EAST, Honolulu ↓ Ⓜ EAST, Airport, Honolulu ↓↓	12'-0" x 10'-6" 17'-0" x 10'-6"	126.00 178.50	2 EA. 2 EA.
E-13	RAMP NW STA. 32+60	Ⓜ WEST, Arizona Mem., Stadium ↓ Ⓜ WEST, Aiea, Pearl City ↓	11'-0" x 12'-6" 13'-6" x 12'-6"	137.50 168.75	2 EA. 2 EA.
E-14	RAMP NW STA. 43+00	Ⓜ WEST, Arizona Mem., Stadium ↓ Ⓜ WEST, Aiea, Pearl City ↓	11'-0" x 12'-6" 13'-6" x 12'-6"	137.50 168.75	2 EA. 2 EA.
E-15	RAMP MW STA. 19+00 LT.	Ⓜ WEST, Aiea, Pearl City ↑	13'-6" x 10'-6"	141.75	2 EA.
E-16	@ STA. 105+00 LT.	Ⓜ WEST, Pearl City ↓↓↓ Ⓜ EAST, Honolulu, 1 3/4 MILES Ⓜ WEST, Arizona Mem., Stadium ↑	29'-0" x 12'-6" 11'-6" x 12'-6" 17'-0" x 12'-6"	362.50 143.75 212.50	2 EA. 2 EA. 2 EA.
E-17	MAUKA F.R. STA. 36+65	Ⓜ WEST, Hickam AFB, Pearl Harbor ↓↓ Ⓜ WEST, Arizona Mem., Stadium ↓↓ Ⓜ WEST, Aiea, Pearl City, NEXT RIGHT	16'-0" x 12'-6" 17'-0" x 12'-6" 13'-6" x 12'-6"	200.00 212.50 168.75	2 EA. 2 EA. 2 EA.
E-18	@ STA. 107+00 RT.	Airport, 3/4 MILE	9'-6" x 6'-6"	61.75	1 EA.
E-19	@ STA. 116+00 LT.	Ⓜ WEST, Aiea, Pearl City ↓↓↓ Ⓜ WEST, Arizona Mem., Stadium, NEXT RIGHT Ⓜ WEST, Hickam AFB, Pearl Harbor, ↓EXIT ONLY↓	29'-0" x 10'-0" 11'-0" x 10'-0" 19'-6" x 10'-0"	290.00 110.00 195.00	— — —

SEE SHEET NO. T18 FOR CONTINUATION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	43	46

DESTINATION SIGN SUMMARY

TYPE	LOCATION	MESSAGE	SIZE	OVERLAY AREA(S.F.)	NEW PANEL (S.F.)
D-1	@ STA. 205+00 ± RT.	EXIT 13A ↑	8'-0" x 6'-0"		48.00
D-2	@ STA. 220+50 ± LT.	EXIT 13A ↑	8'-0" x 6'-0"		48.00
D-3	@ STA. 223+70 ± RT.	EXIT 13B ↑	8'-0" x 6'-0"		48.00
D-4	@ STA. 236+90 ± LT.	EXIT 13B ↑	8'-0" x 6'-0"	71.50	48.00
D-5	@ STA. 64+00 ± RT.	EXIT 15, BUSINESS DISTRICTS	9'-0" x 5'-6"	49.50	
D-6	@ STA. 79+00 ± RT.	EXIT 15 ↑	7'-6" x 6'-0"		45.00
D-7	RAMP WN STA. 10+70 LT.	BUSINESS DISTRICTS, KEEP LEFT	11'-0" x 6'-6"	71.50	
D-8	MAKAI F.R. STA. 16+00 RT.	BUSINESS DISTRICTS ↑	9'-6" x 3'-0"	28.50	
D-9	@ STA. 98+00 LT.	EXIT 15A ↑	8'-0" x 6'-0"		48.00
D-10	@ STA. 110+50 LT.	EXIT 15B ↑	8'-0" x 6'-0"		48.00
D-11	RAMP NW STA. 55+00 LT.	BUSINESS DISTRICTS, KEEP RIGHT	11'-0" x 6'-6"	71.50	
				TOTAL	333.00

EXIT EXIT NUMBER SIGN SUMMARY

INSTALLED ABOVE SIGN NO.	DESCRIPTION	AREA (S.F.)	
		PANEL	OVERLAY
E-1(C)	EXIT 13B		19.00
E-1(R)	EXIT 13A		19.00
E-2(C)	EXIT 15		15.00
E-2(R)	EXIT 13B		19.00
E-3	EXIT 13A		19.00
E-4(C)	EXIT 13A		19.00
E-4(R)	EXIT 13B		19.00
E-5	EXIT 15		15.00
E-6	EXIT 15		15.00
E-7	EXIT 13B		19.00
E-8	EXIT 15		15.00
E-16(C)	EXIT 13B		19.00
E-16(R)	EXIT 15A		19.00
E-18	EXIT 16		15.00
E-19(C)	EXIT 15A		19.00
E-19(R)	EXIT 15B		19.00
TOTAL			284.00

6/2/88 Revised Destination Sign D-5 & D-8 Panel Dimensions.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT NO. IR-HI-1(207)

Date: May, 1988

SHEET No. 717 OF 20 SHEETS

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

EXPRESSWAY SIGN SUMMARY (CONT.)

TYPE	LOCATION	MESSAGE	SIZE	OVERLAY AREA(S.F.)	SIGN LUMINAIRE
E-20	RAMP EN STA. 1+12	Hickam AFB ↓↓↓	29'-0" x 7'-0"	203.00	—
		Pearl Harbor ↓↓	17'-0" x 7'-0"	119.00	—
E-21	RAMP NW STA. 51+75	Ⓢ WEST, Arizona Mem., Stadium ↓	11'-0" x 12'-6"	137.50	2 EA.
		Ⓢ WEST, Aiea, Pearl City ↓	13'-6" x 12'-6"	168.75	2 EA.
		Ⓢ EAST, Honolulu ↓↓	17'-0" x 12'-6"	212.50	2 EA.
		Ⓢ EAST, Airport ↓	10'-6" x 12'-6"	131.25	2 EA.
TOTAL				9,076.25	77 EA.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(207)	1988	44	46

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARY

INTERSTATE ROUTE H-1 RESURFACING
KAIMAKANI ST. TO AIRPORT VIADUCT
F.A.I. PROJECT No. 1R-HI-1(207)

Date: May, 1988

SHEET No. 7/8 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	45	46

TRAFFIC SIGN SUMMARY

SIGN NO.	LOCATION	MESSAGE	QUANTITY			
			10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
			w/POST	w/o POST	w/POST	w/o POST
R2-1(45)	RAMP WE STA. 203+80± RT.	SPEED LIMIT 45		1		
W4-1(R)-A	⊕ STA. 215+50± LT.	↑ MERGE			1	
W13-2(30)	⊕ STA. 219+00± RT.	EXIT 30 M.P.H.				1
W1-1(R)-A	RAMP B STA. 10+80± RT.	→			1	
W13-1(30)-A	" " " " "	30 M.P.H.				1
W1-1(R)-A	" " " 12+70± LT.	→			1	
W13-2(30)	RAMP E STA. 14+20± RT.	EXIT 30 M.P.H.			1	
W13-3(45)	RAMP SE STA. 225+20± RT.	RAMP 40 M.P.H.				1
W4-1(R)-A	⊕ STA. 239+00± RT.	↑			1	
W4-4-A	RAMP ES STA. 14+30± RT.	↘			1	
R2-4a(55/45)-A	⊕ STA. 25+50±	SPEED LIMIT 55 MIN 45				2
W4-2(R)-A	⊕ STA. 50+80± LT.	↘			1	
W9-2(L)-A	⊕ STA. 55+80± LT.	LANE ENDS MERGE LEFT			1	
W9-1(R)-B	⊕ STA. 60+80± LT.	RIGHT LANE ENDS			1	
W4-4-A	RAMP NW STA. 15+00± LT.	↘			1	
W13-2(35)	RAMP WN STA. 7+00± RT.	EXIT 35 M.P.H.			1	
W13-3(35)	RAMP KN STA. 3+00± RT.	RAMP 35 M.P.H.			1	
W13-3(35)	RAMP EK STA. 9+00± LT.	RAMP 35 M.P.H.			1	
TOTAL				1	13	5

PAVEMENT MARKING SUMMARY

DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A	13,500 EA.
TYPE CL	4,370 EA.
TYPE HL	1,300 EA.
TAPE - TYPE I	
4-INCH PAVEMENT STRIPE (WHITE)	5,600 L.F.
8- " " " "	4,760 L.F.
PAVEMENT ARROWS	9 EA.
" DIAMONDS	30 EA.
" WORDS	1 EA.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT (EDGE) STRIPE (WHITE)	51,300 L.F.
4- " " " " (YELLOW)	45,500 L.F.
8- " " STRIPE (WHITE)	11,950 L.F.
12- " " " "	2,150 L.F.
THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE)	640 L.F.
12- " " " "	20 L.F.

REFLECTOR MARKER SUMMARY

TYPE	QUANTITY			
	w/o POST	w/FLEXIBLE POST	w/STEEL POST	MOUNT ON BR. RAILING
RM-2	12 EA.	193 EA.	13 EA.	34 EA.
RM-3			1 EA.	
TOTAL				
	12 EA.	193 EA.	14 EA.	34 EA.

CONSTRUCTION SIGN SUMMARY

SIGN NO.	LOCATION	MESSAGE	w/POST	w/o POST
CW20-1d	⊕ STA. 162+50± RT.	ROAD CONSTRUCTION AHEAD		1
CG20-2	" " 189+77± LT.	END CONSTRUCTION		1
CG20-2	" " 116+60± RT.	" "		1
CW20-1d	" " 116+60± LT.	ROAD CONSTRUCTION AHEAD		1
CW20-1d	MAUKA FR. STA. 37+00± LT.	" " "		1
CW20-1d	RAMP NW STA. 45+00± LT.	" " "		1
CG20-2	" EN STA. 0+00± LT.	END CONSTRUCTION		1
TOTAL				7

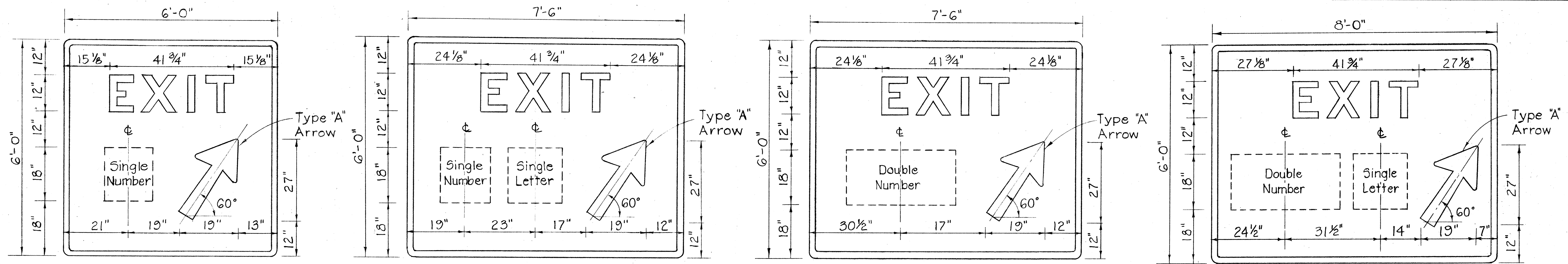
SURVEY PLOTTED BY _____ DATE _____
 ORIGINAL PLAN _____
 TRACED BY _____
 NOTE BOOK _____
 QUANTITIES BY _____
 CHECKED BY _____
 NO. _____

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

 MISCELLANEOUS SUMMARIES
 INTERSTATE ROUTE H-1 RESURFACING
 KAIMAKANI ST. TO AIRPORT VIADUCT
 F.A.I. PROJ. NO. IR-HI-1(207)

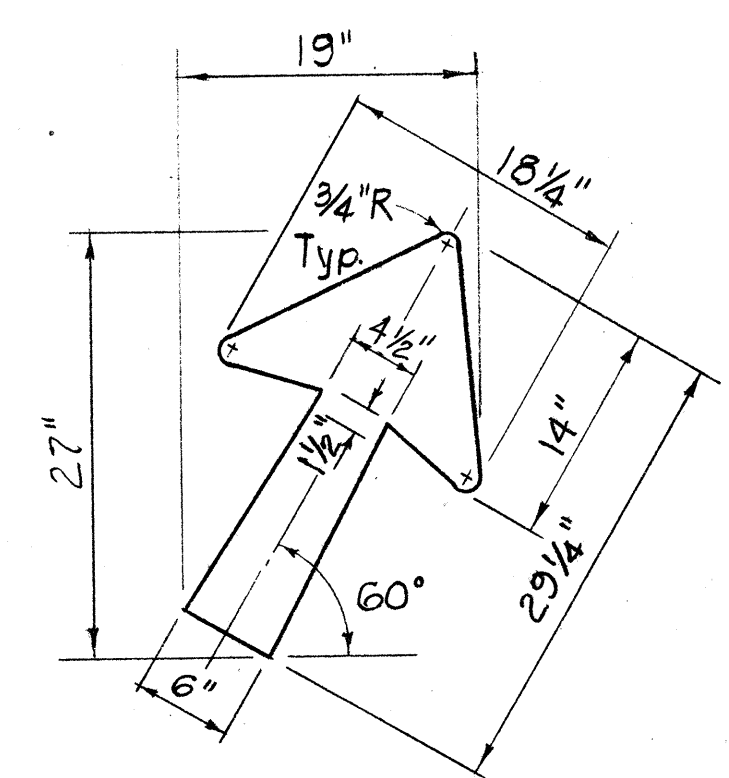
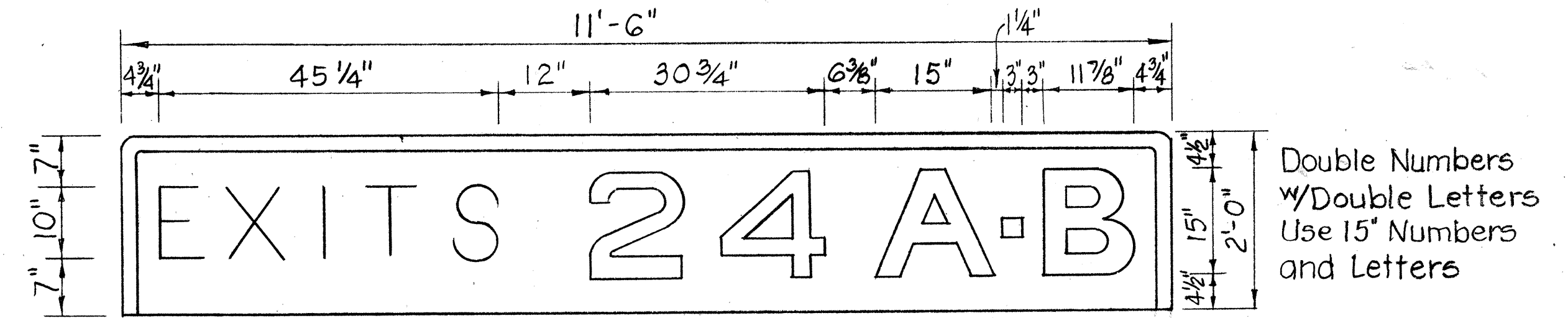
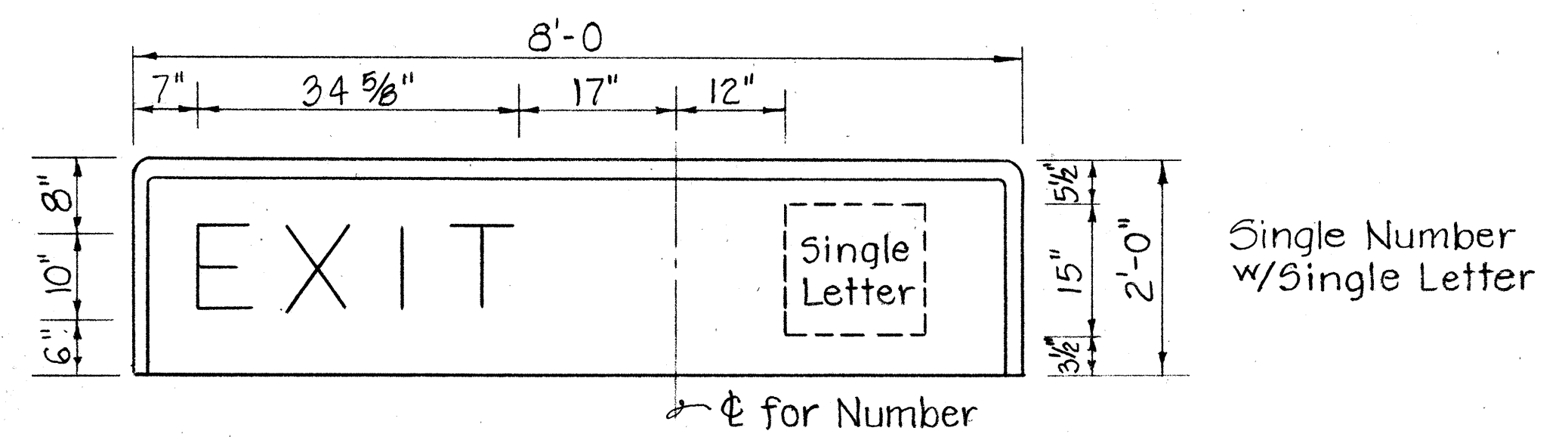
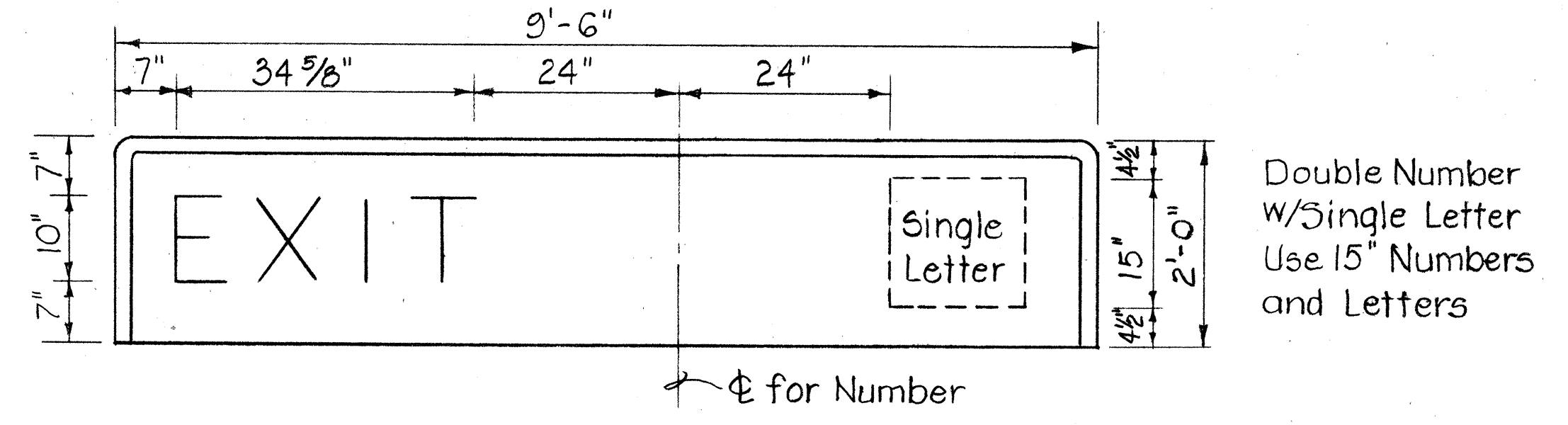
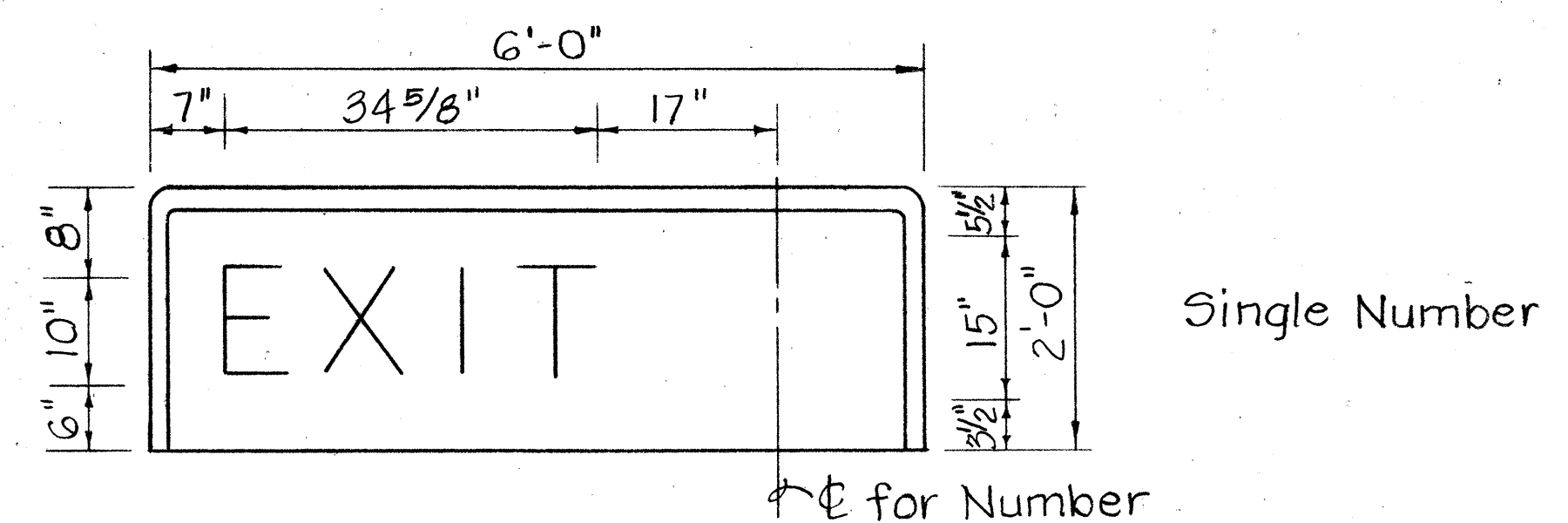
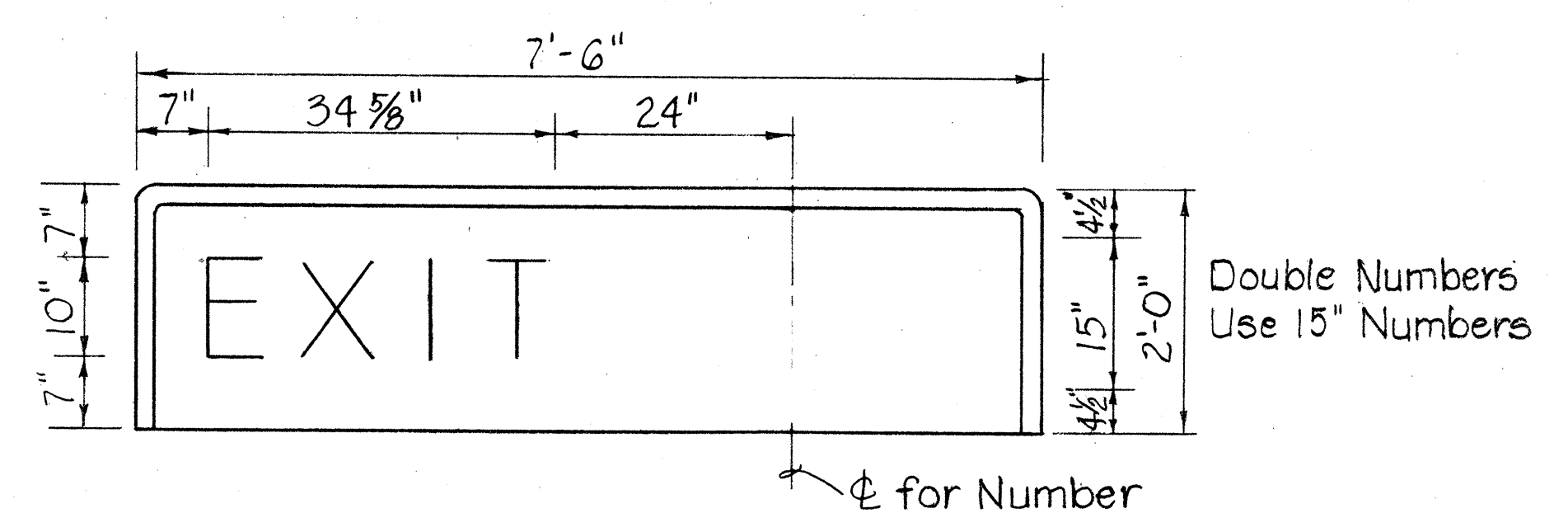
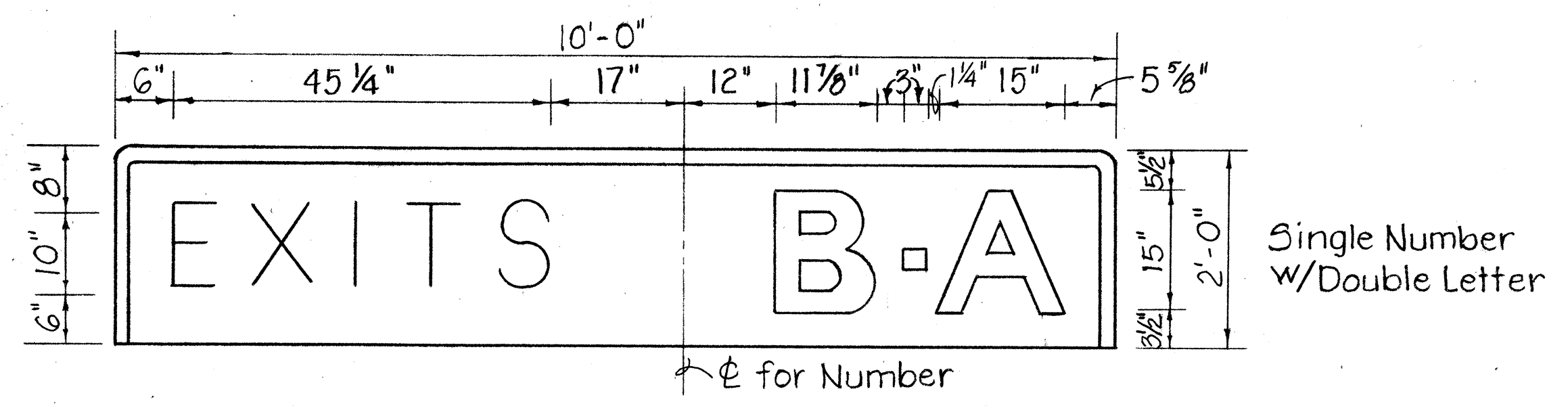
 Date: May, 1988
 SHEET NO. 119 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(207)	1988	46	46



GORE EXIT SIGNS
Scale: 3/4" = 1'-0"

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 plans.
4. Contractor shall submit for approval, shop drawings for the attachment of Exit Number Panels to Sign Panels.



TYPE "A" DIAGONAL ARROW DETAIL
N.T.S.

EXIT NUMBER PANELS
Scale: 3/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL EXIT NUMBER SIGN PANEL LAYOUT

F.A.I. PROJ. NO. IR-HI-1(207)

Scale: As Shown Date: May, 1988

SHEET NO. 12 OF 20 SHEETS

DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
DESIGNED BY: _____
NOTE BOOK: _____
QUANTITIES BY: _____
CHECKED BY: _____
No. _____