

**NOTES**

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	30	97

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 Plan Sht. No. 31. 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 Tape-Type I or Thermo-plastic Extrusion unless otherwise noted.
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 G21 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. G22.2300 - Furnishing and Installing 250-Watt Mercury Vapor 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.

**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. G21.0600 - Overlay Panel for Exit Number Sign.
5. For details of Exit Number Panels, see Plan Sht. No. 56.
6. "EXIT ONLY" Panels shall have a black legend on a high intensity reflectorized yellow background. For Details, see Plan Sht. No. 31.

**DIRECTIONAL (Dir) 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 Plan Sht. No. 56.
5. Directional Sign Posts shall be 4.00 lbs./ft. Flanged Channel.

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

6/16/87	Additional Note Added to Expressway Sign Note No. 6 per Addendum No. 1
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**NOTES**

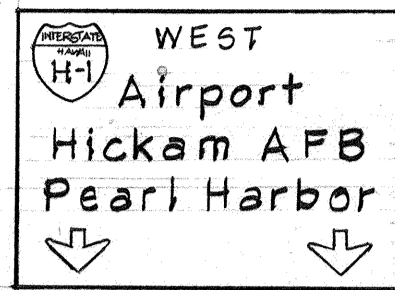
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainaloa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Date: May, 1987

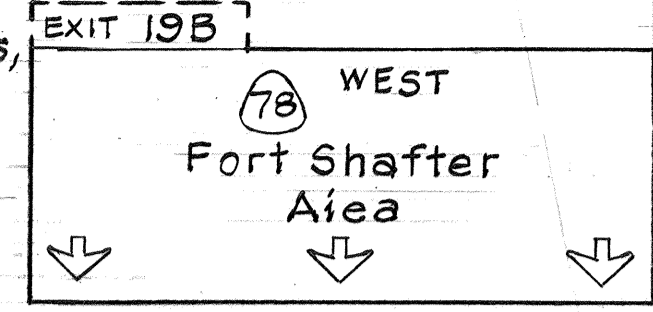
SHEET No. 11 OF 27 SHEETS



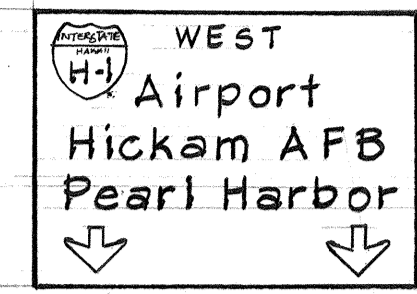
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(204)	1989	C.O.3/S-1	97



Remove Exist. Sign Panels, Install New Sign Panels on Exist. Structure



SIGN E-5



SIGN E-6

Remove Exist. Sign Panels, Install New Sign Panels on Existing Structure & Reinstall Exist. Exit No. Sign on New Panels

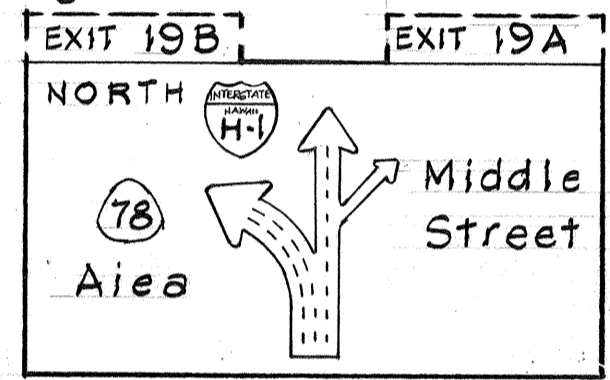
End New Lane Drop Marking

End New 4" White Edge Stripe

Extend Gore Striping

TRUE NORTH  
Scale: 1" = 50'

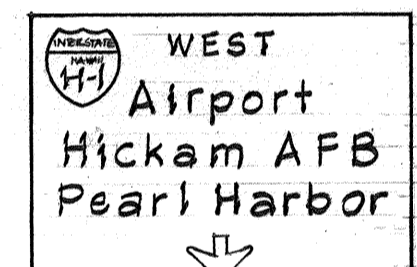
Remove Exist. Sign Panels, Install New Sign Panels on Existing Structure & Reinstall Exist. Exit No. Signs on New Panels



SIGN E-7

Begin New Lane Drop Marking

Remove Exist. Sign Panels, Install New Sign Panels on Exist. Structure



SIGN-10

Same as Sign E-6 Except for Single Centered Down Arrow

Begin New 4" White Edge Stripe

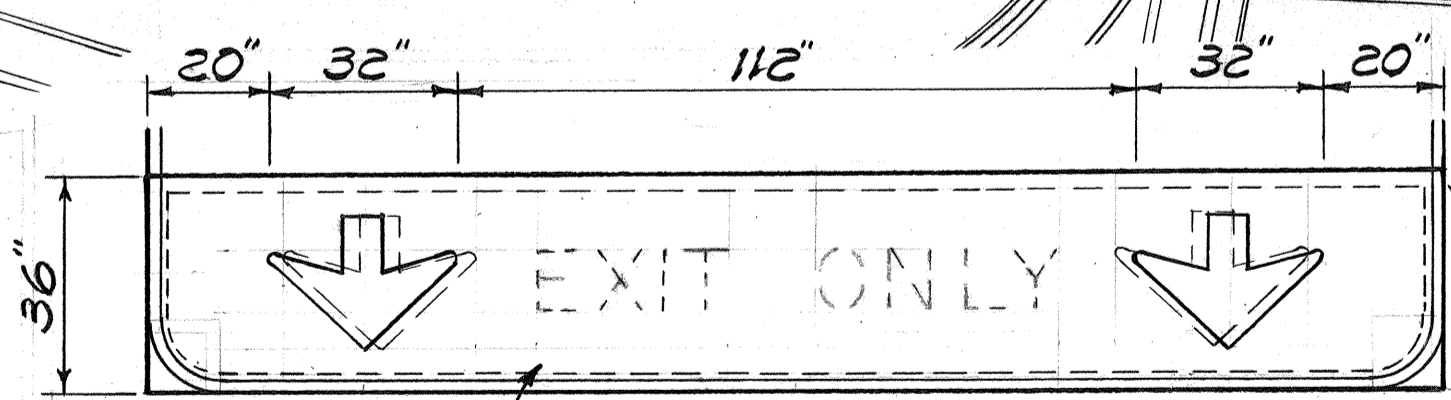
Lane Drop Marking

M.L. & STA. 33+00

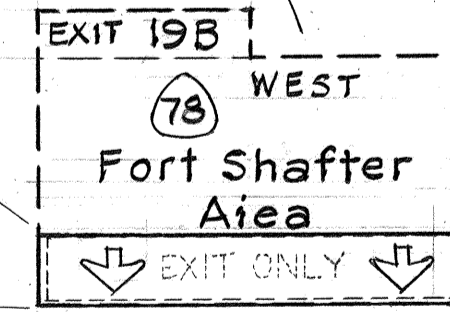
GULICK AVE.

RAMP K-2

KALIHI ST.

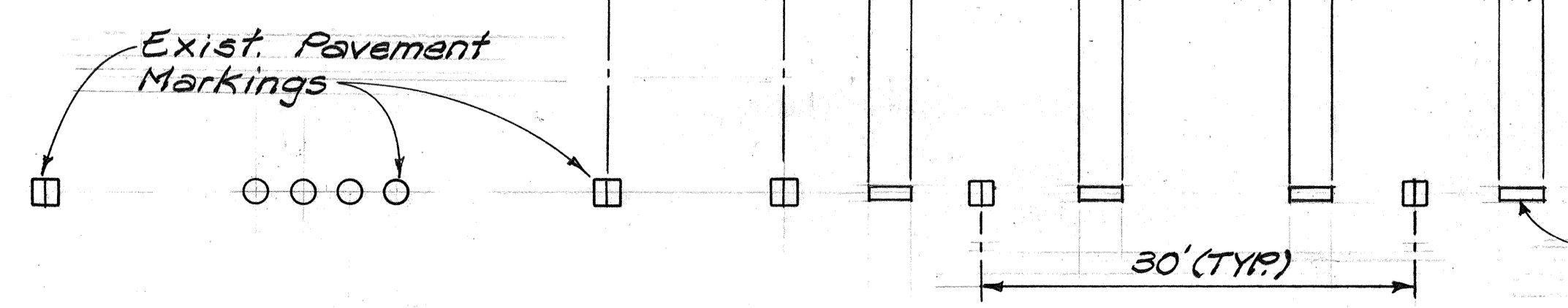


Install New Overlay on Existing Sign Panels.  
DETAIL OF SIGN E-9  
Scale: 3/8" = 1'-0"



SIGN E-9

Install New Overlay on Exist. Sign E-9



LANE DROP MARKING  
Scale: 1" = 10'

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

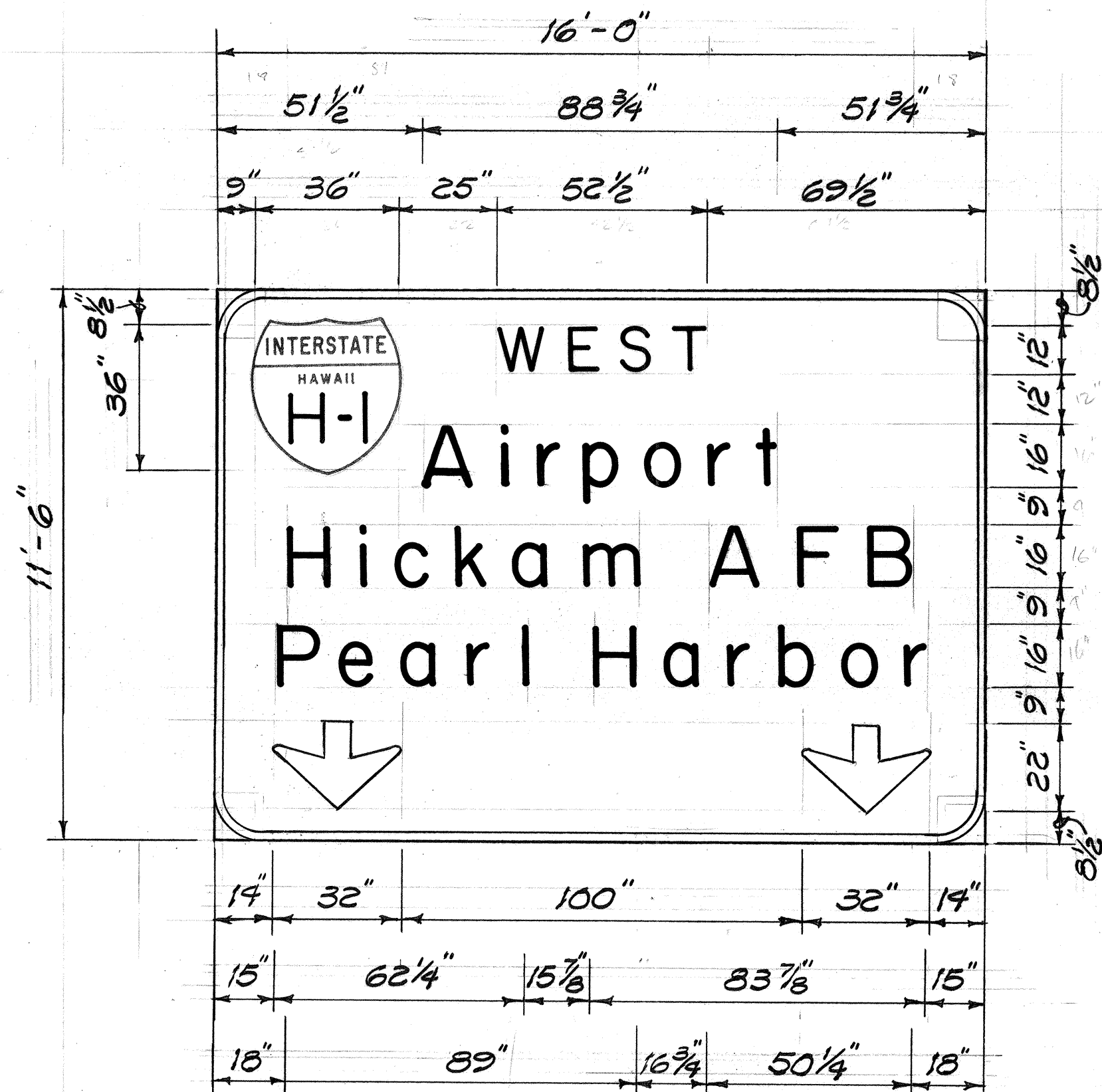
**SIGNING AND PAVEMENT MARKING PLAN & DETAILS**

INTERSTATE ROUTE H-1 RESURFACING  
MIDDLE STREET TO AINAKOA AVENUE  
F.A.I. PROJECT NO. 1R-HI-1(204)  
Scale: As Shown Date: June, 1988

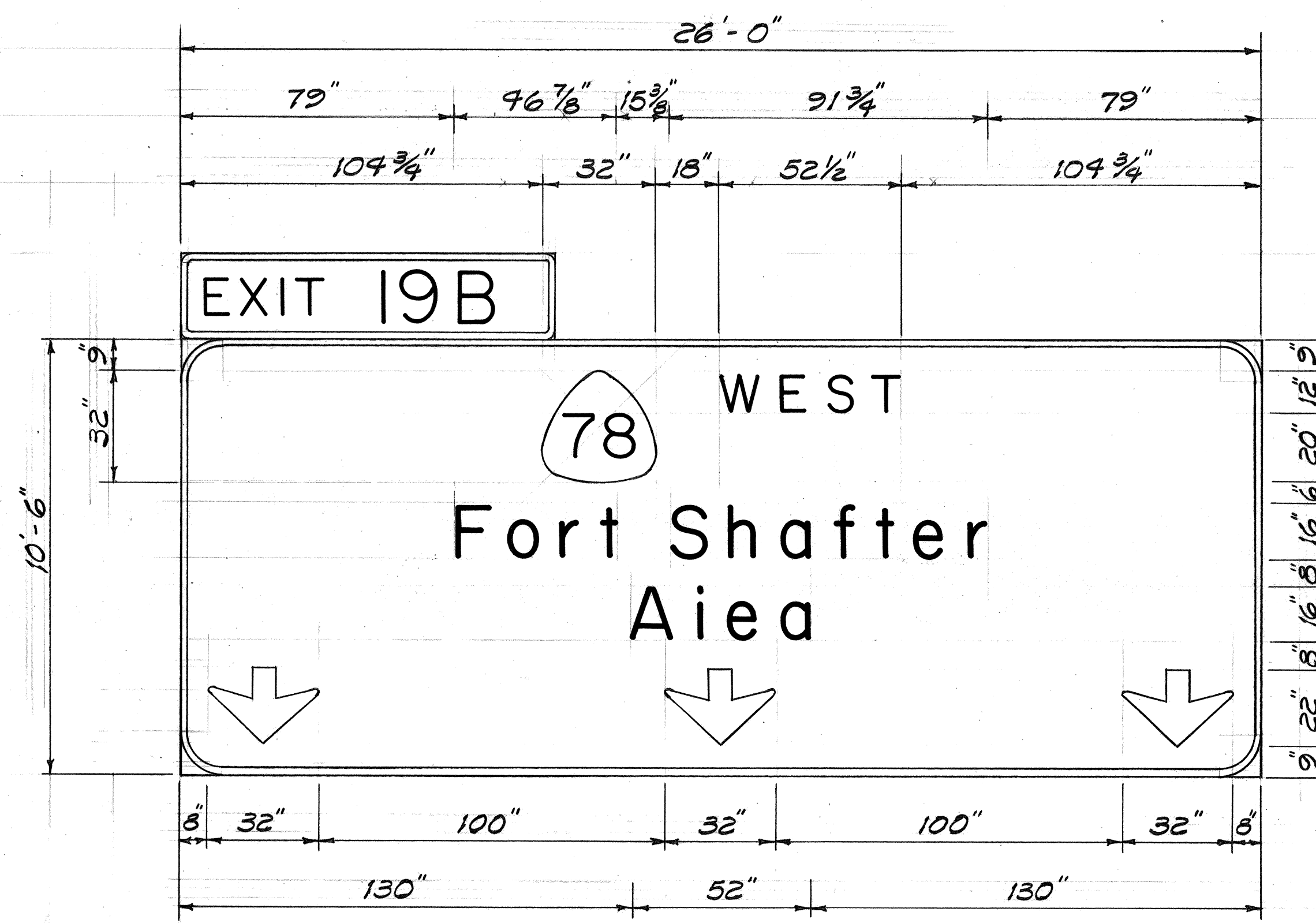
SHEET No. 72 OF 27 SHEETS

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

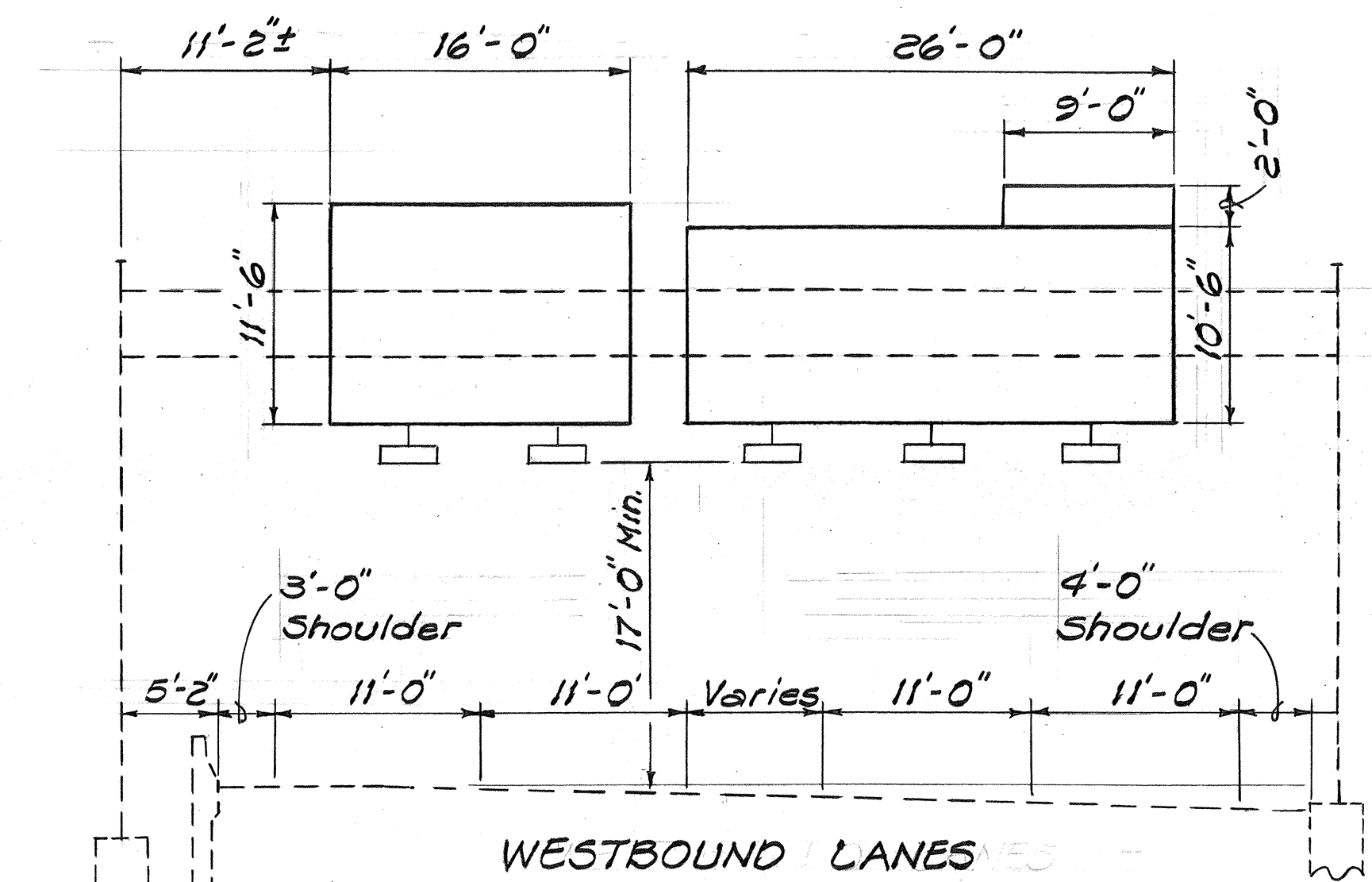
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(204)	1989	C.O. 31 S-2	97



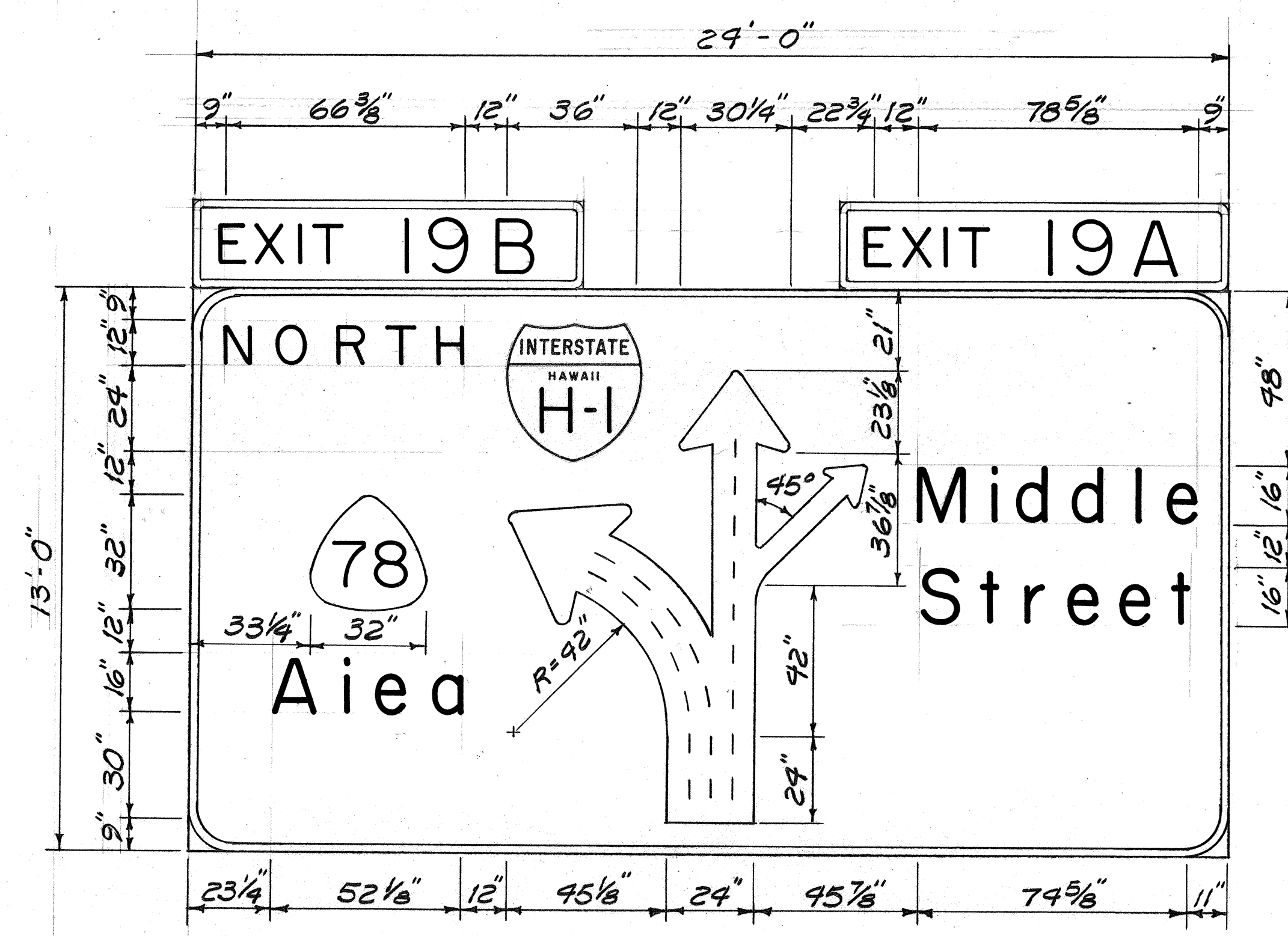
**SIGN E-3 & E-6**  
Scale: 3/8" = 1'-0"



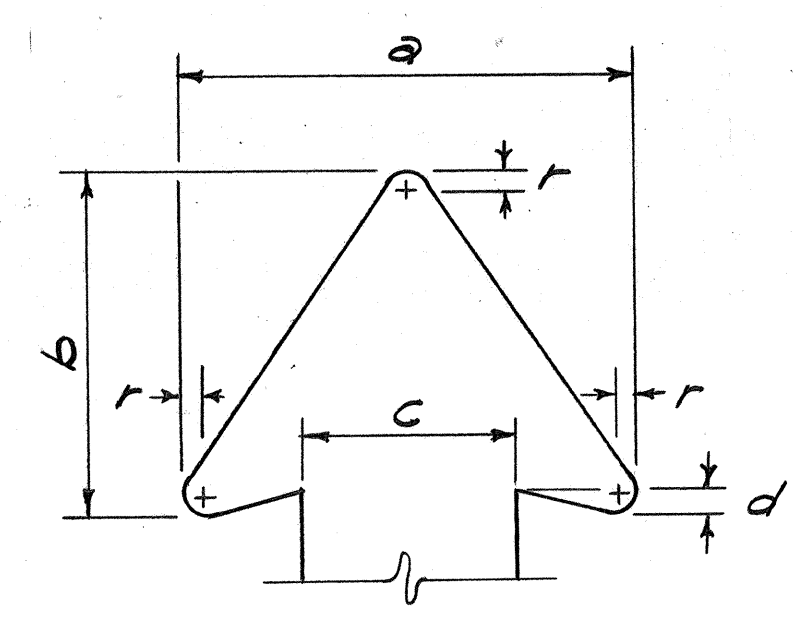
**SIGN E-5**  
Scale: 3/8" = 1'-0"



**FRAME LAYOUT FOR SIGN E-6 & E-5**  
Scale: 1/8" = 1'-0"

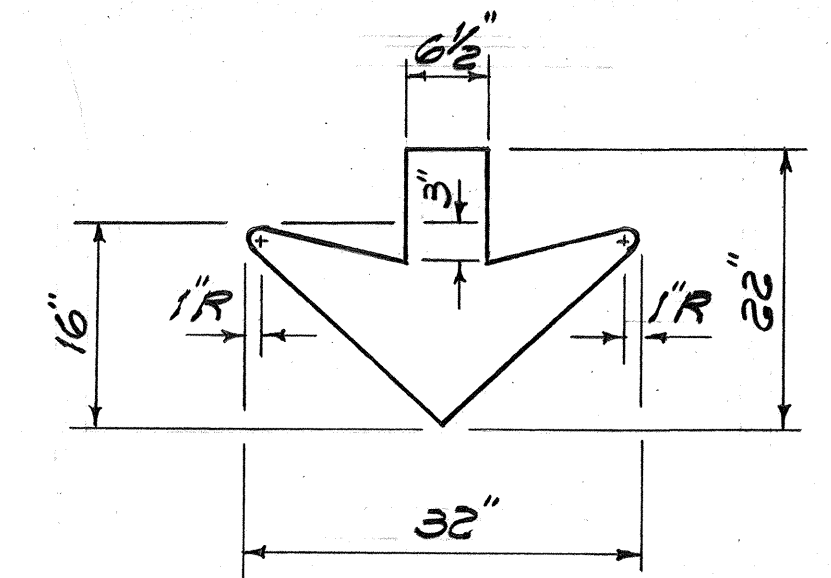


**SIGN E-7**  
Scale: 3/8" = 1'-0"

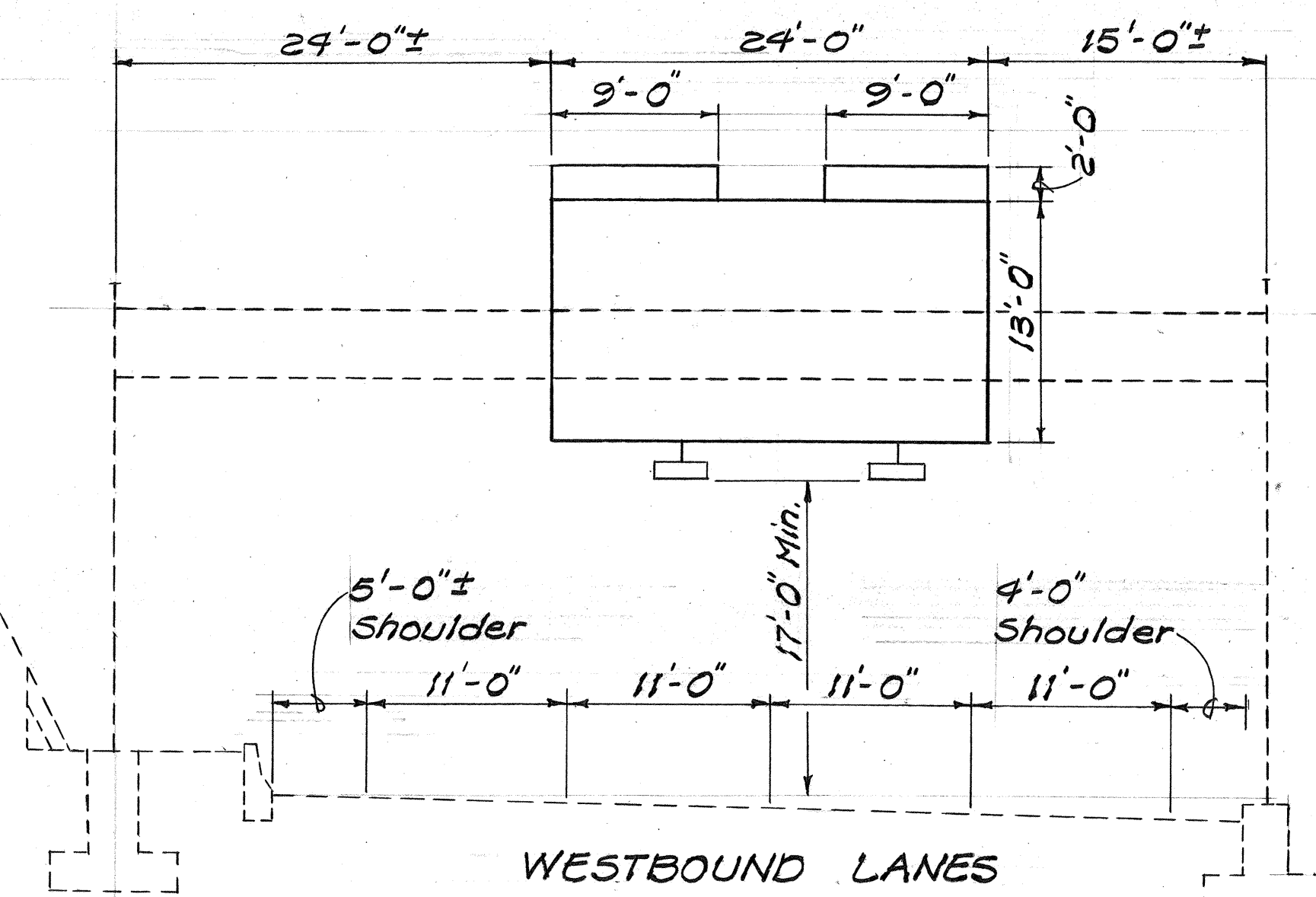


**ARROW DETAIL**  
Not to Scale

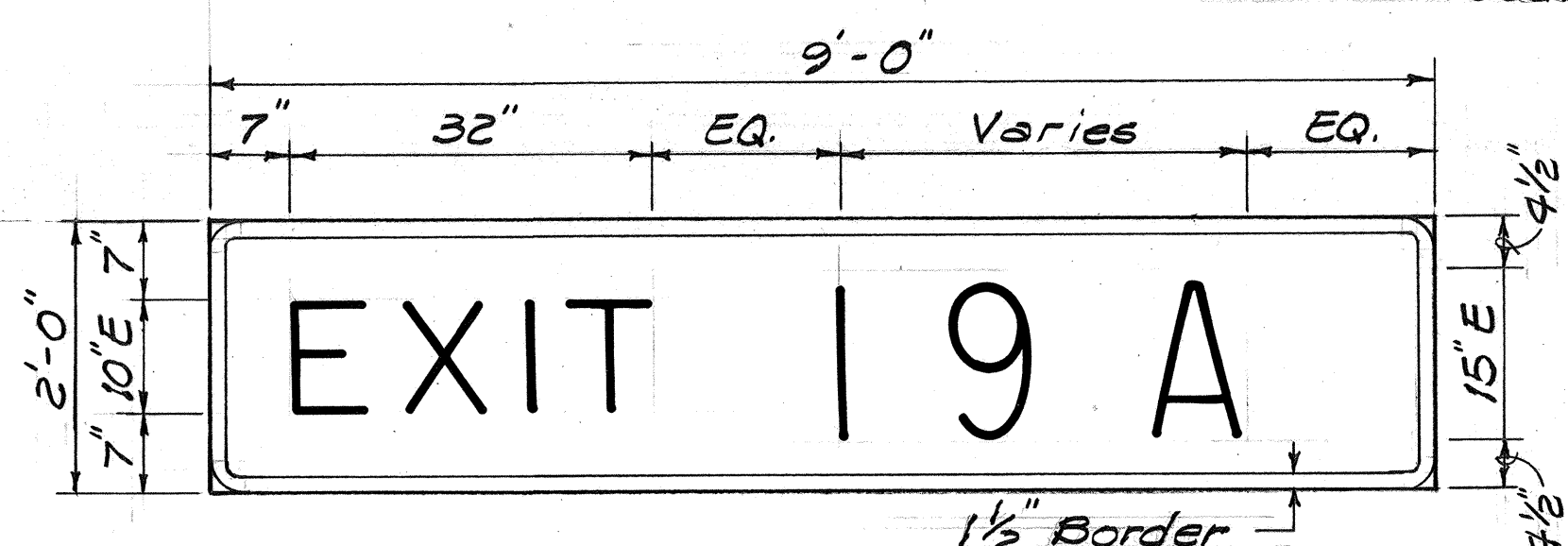
ARROW DIMENSIONS (Inches)				
a	b	c	d	r
38 1/4	29 1/4	18	2 7/8	2 3/8
30 1/4	23 1/8	12	2 1/4	1 5/8
22 1/4	17	6	1 3/4	1



**"DOWN" ARROW DETAIL**  
Not to Scale



**FRAME LAYOUT FOR SIGN E-7**  
Scale: 1/8" = 1'-0"



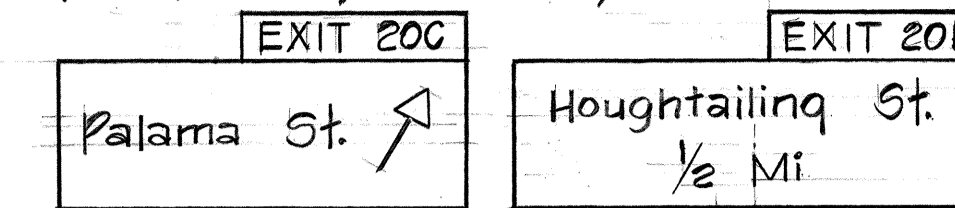
**TYPICAL EXIT NUMBER SIGN**  
Scale: 3/4" = 1'-0"

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**DETAILS,**  
**PANEL & FRAME LAYOUTS**  
INTERSTATE ROUTE H-1 RESURFACING  
MIDDLE STREET TO AINAKOIA AVENUE  
F.A.I. PROJECT NO. 1R-HI-1(204)  
Scale: As Shown Date: June, 1988

DATE \_\_\_\_\_  
SURVEY PLOTTED BY \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
DESIGNED BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
NOTE BOOK NO. \_\_\_\_\_

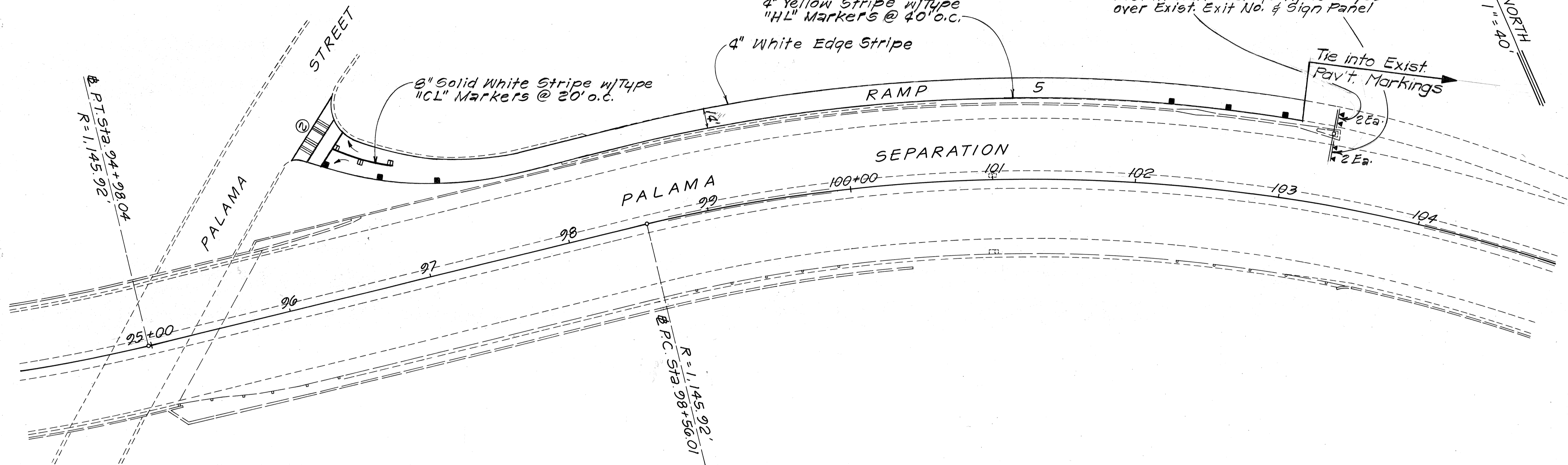
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	32	97

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

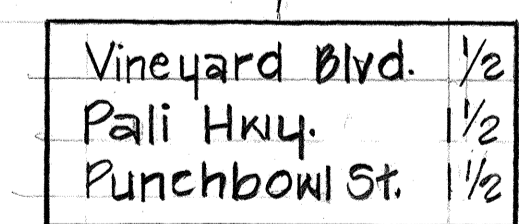
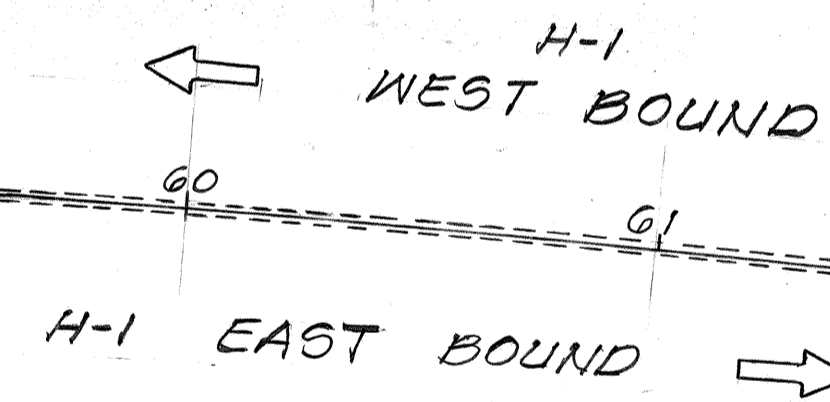


E-107  
Install New Overlays w/ Messages over Exist. Exit No. & Sign Panel

TRUE NORTH  
Scale: 1" = 40'



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

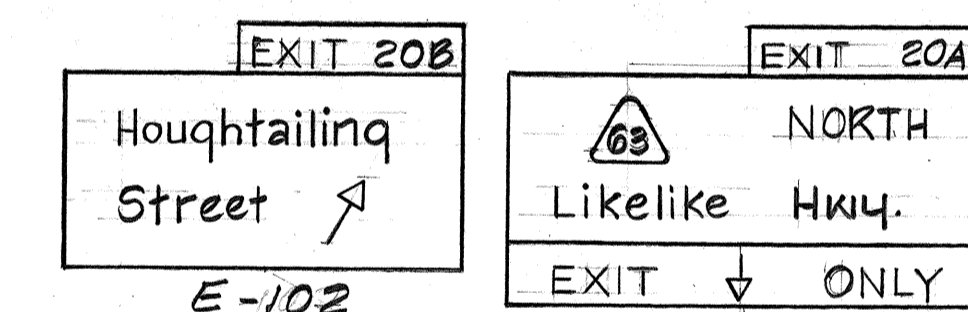


E-101  
Install New Overlays w/ Messages over Exist. Sign Panels

PLAN  
Scale: 1" = 40'

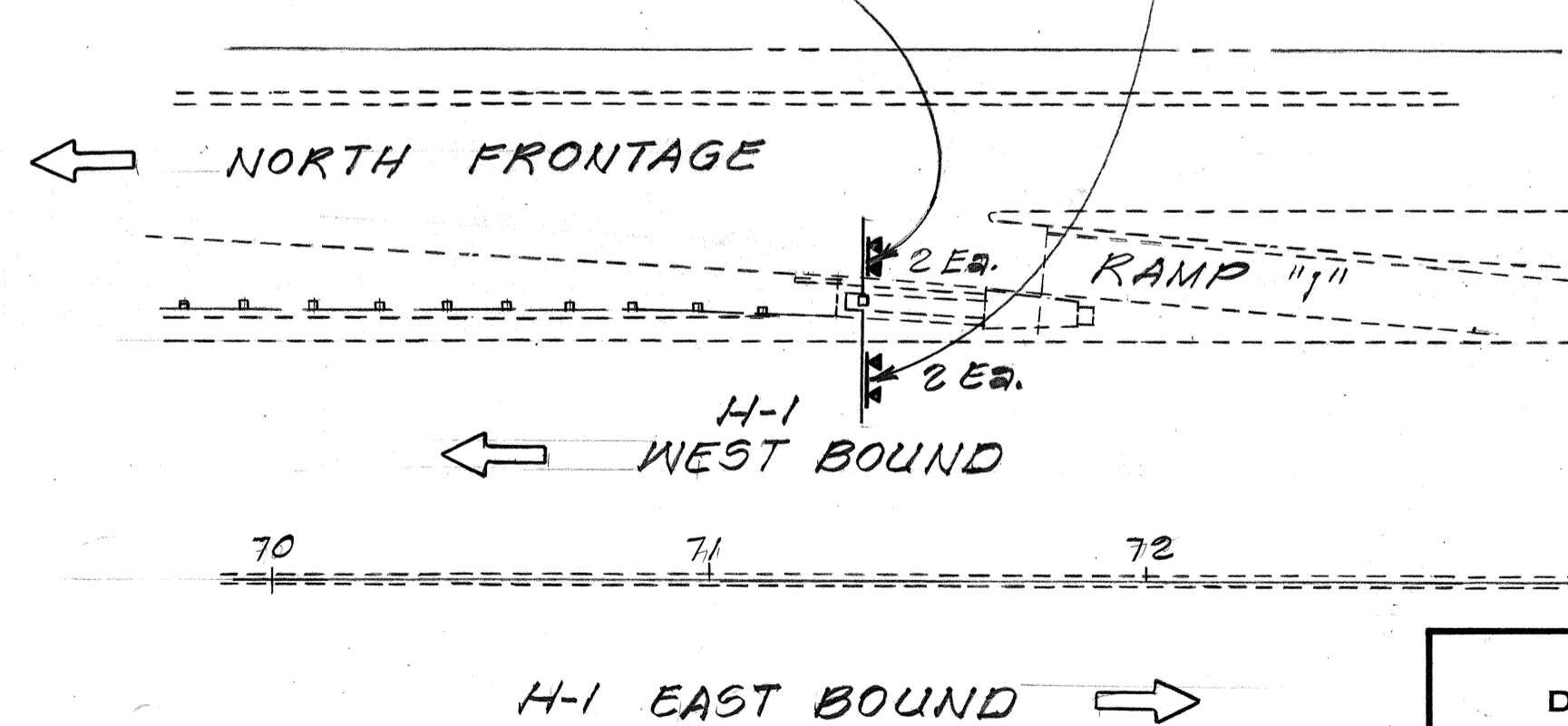
TRUE NORTH  
Scale: 1" = 40'

MOVE EXIST. EXIT NO. SIGN PANELS TO RT. EDGE OF SIGN



Install New Overlays w/ Messages over Exist. Sign Panels

TRUE NORTH  
Scale: 1" = 40'



PLAN  
Scale: 1" = 40'

DATE	REVISION
6/10/87	Revised Sign E-101 Mileage Distance, per Addendum No. 1.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

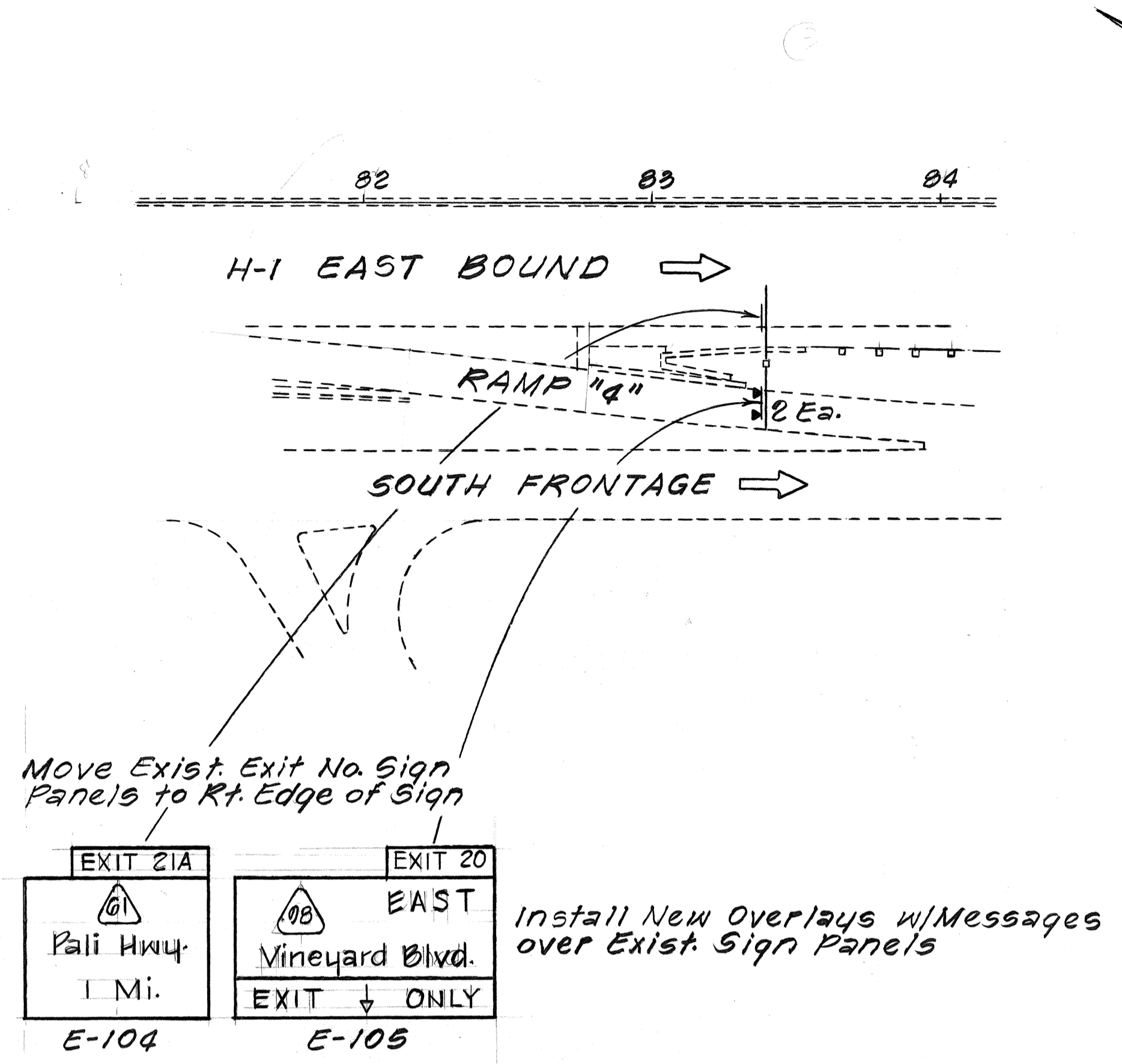
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

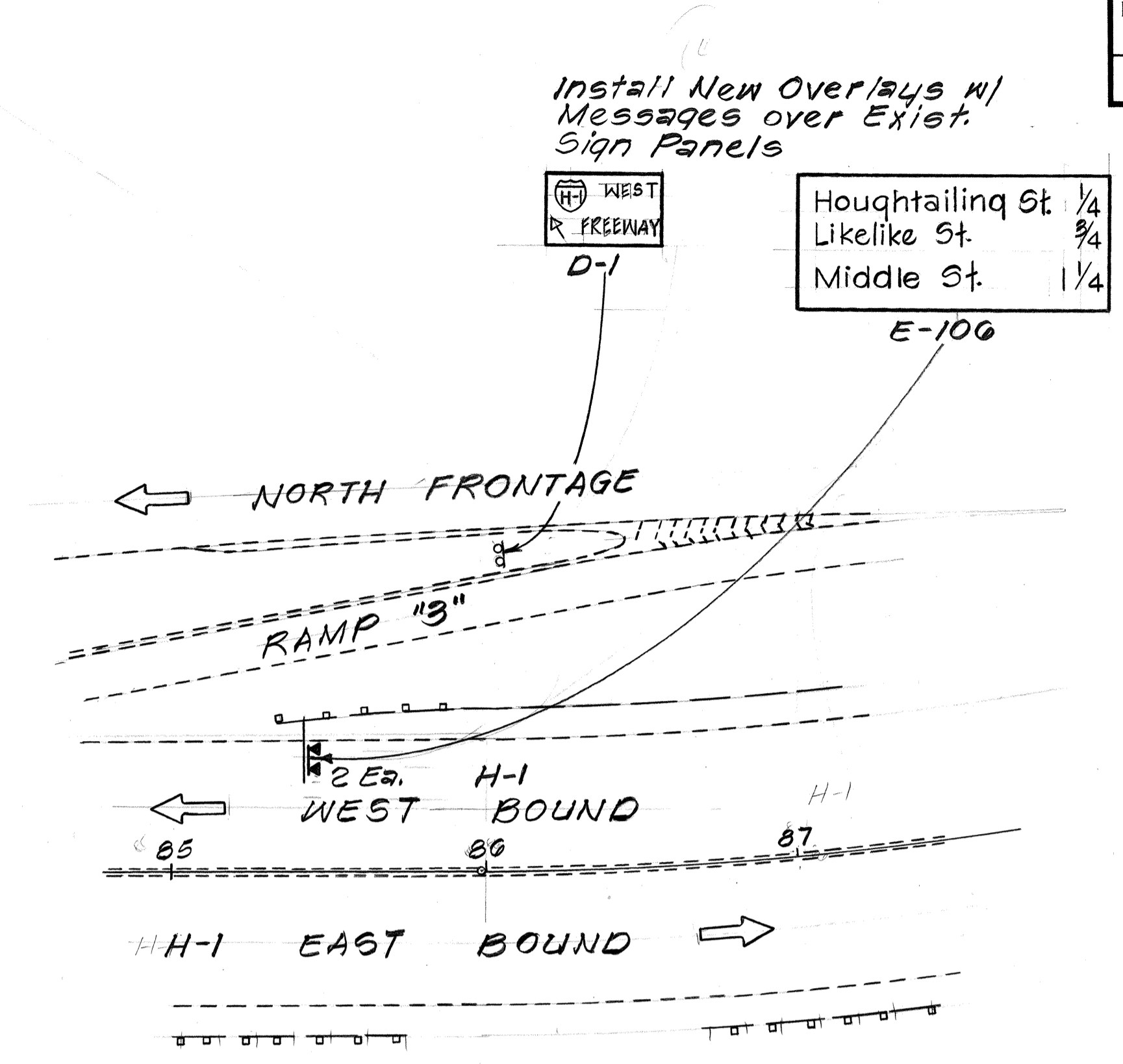
Scale: 1" = 40'      Date: May, 1987

SHEET No. 32 OF 27 SHEETS

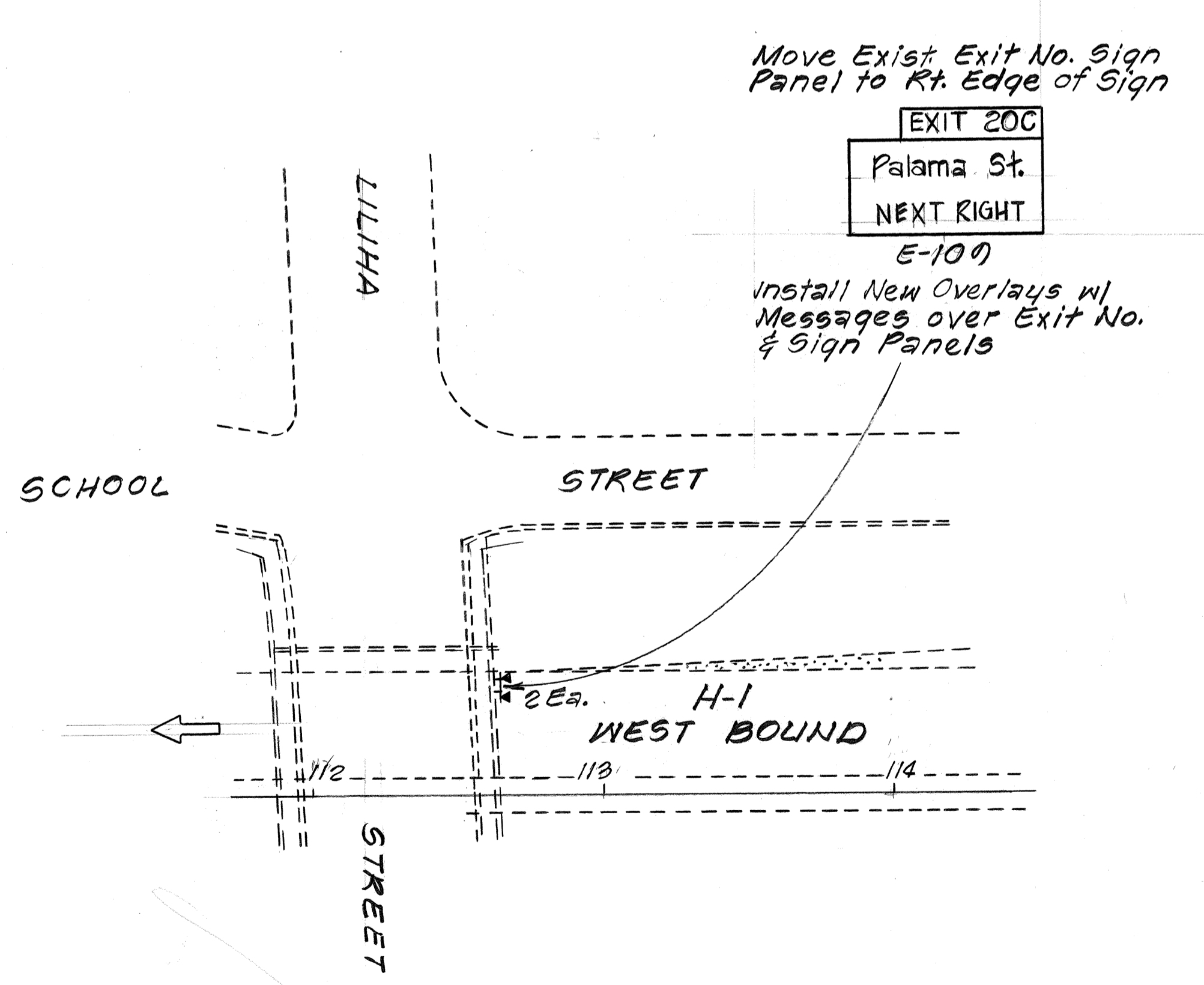
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	33	97



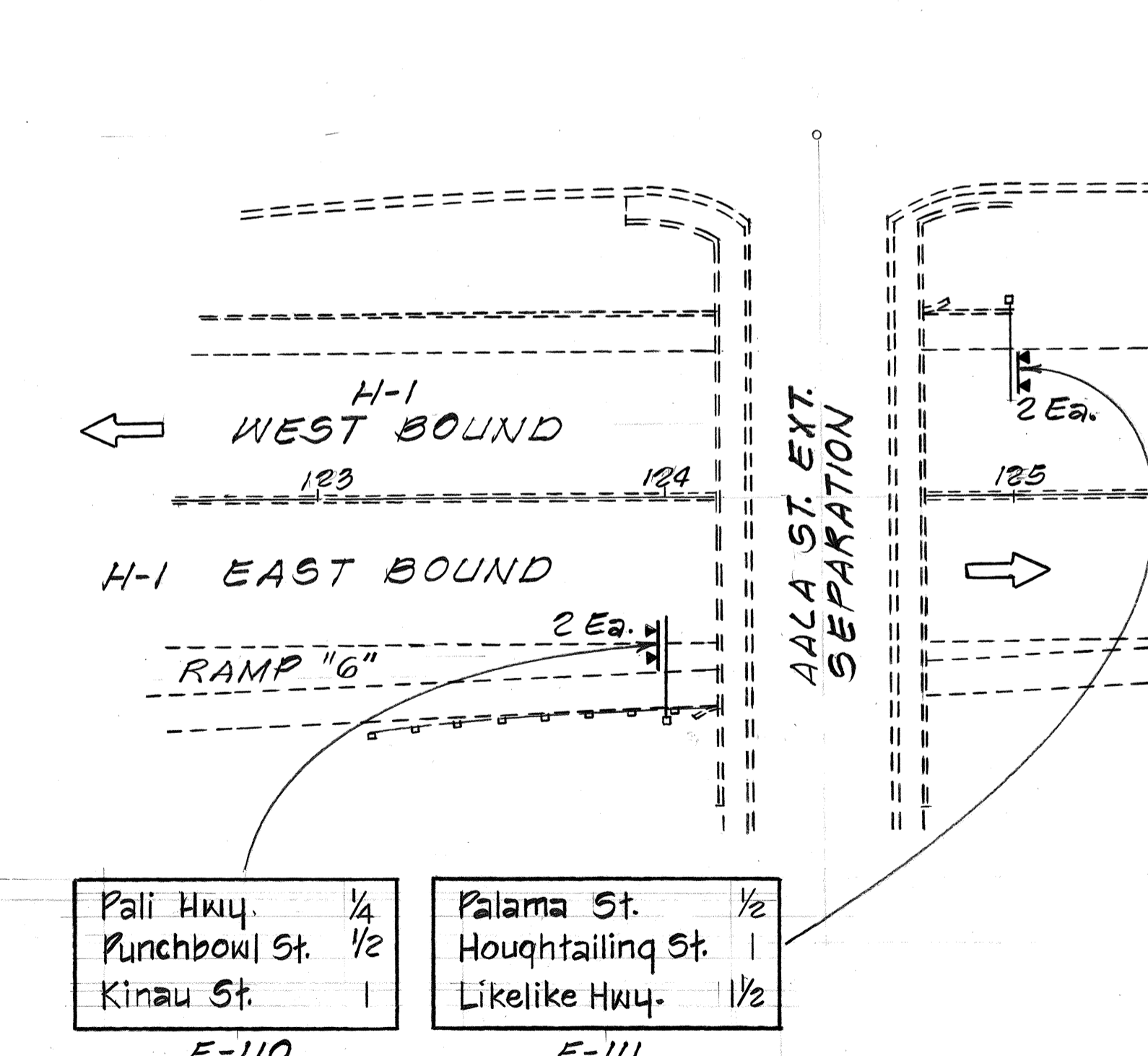
PLAN  
Scale: 1"=40'



PLAN  
Scale: 1"=40'



PLAN  
Scale: 1"=40'



PLAN  
Scale: 1"=40'

DATE	REVISION
6/18/87	Revised Sign E-110 Mileage Distance, per Addendum No. 1.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

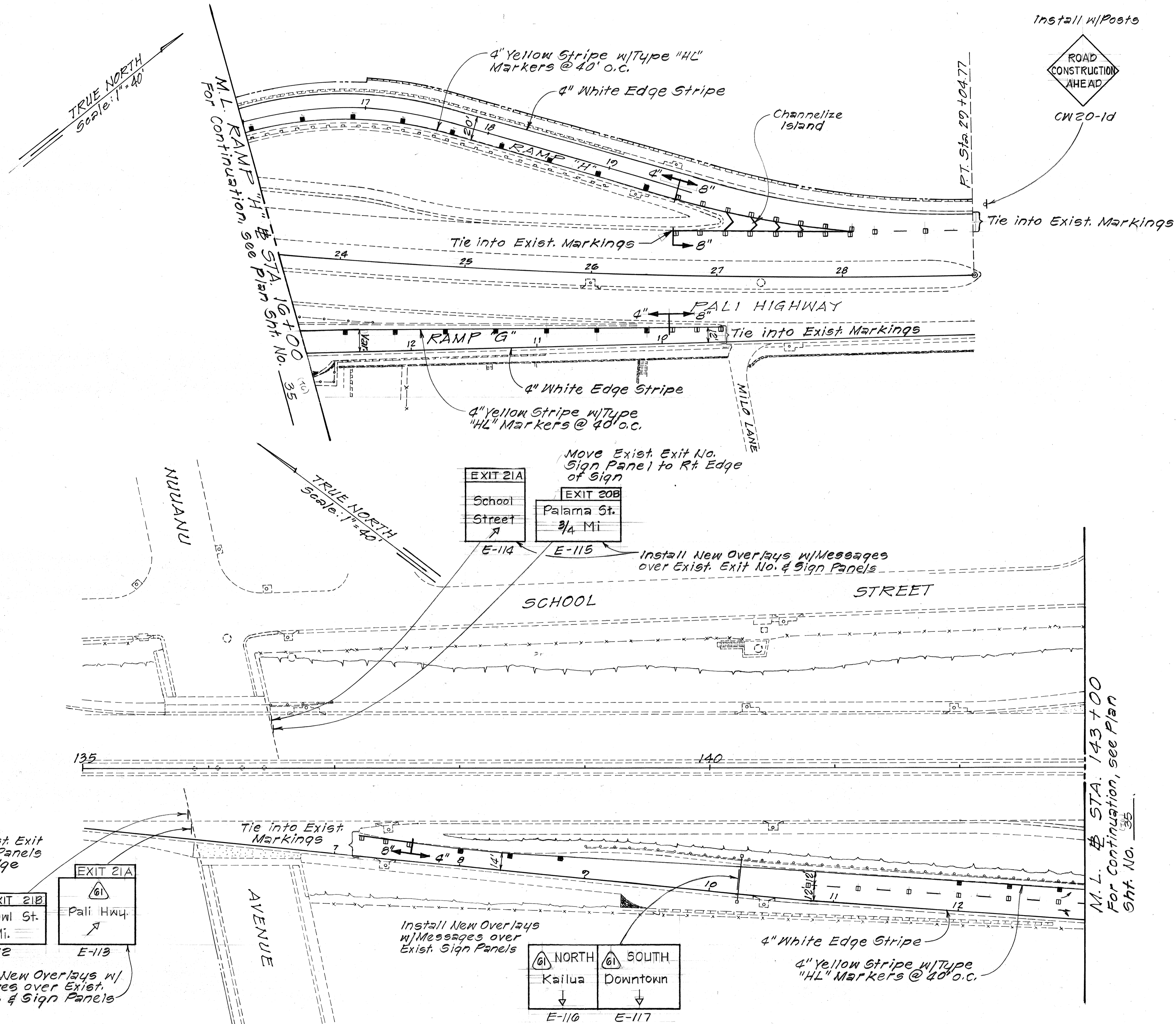
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

**INTERSTATE RTE. H-1 RESURFACING**  
Middle Street to Ainslie Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1"=40' Date: May, 1987

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
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(204)	1987	34	97



DATE	DATE
DESIGNED BY	CHECKED BY
DRIVEN BY	NO.
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

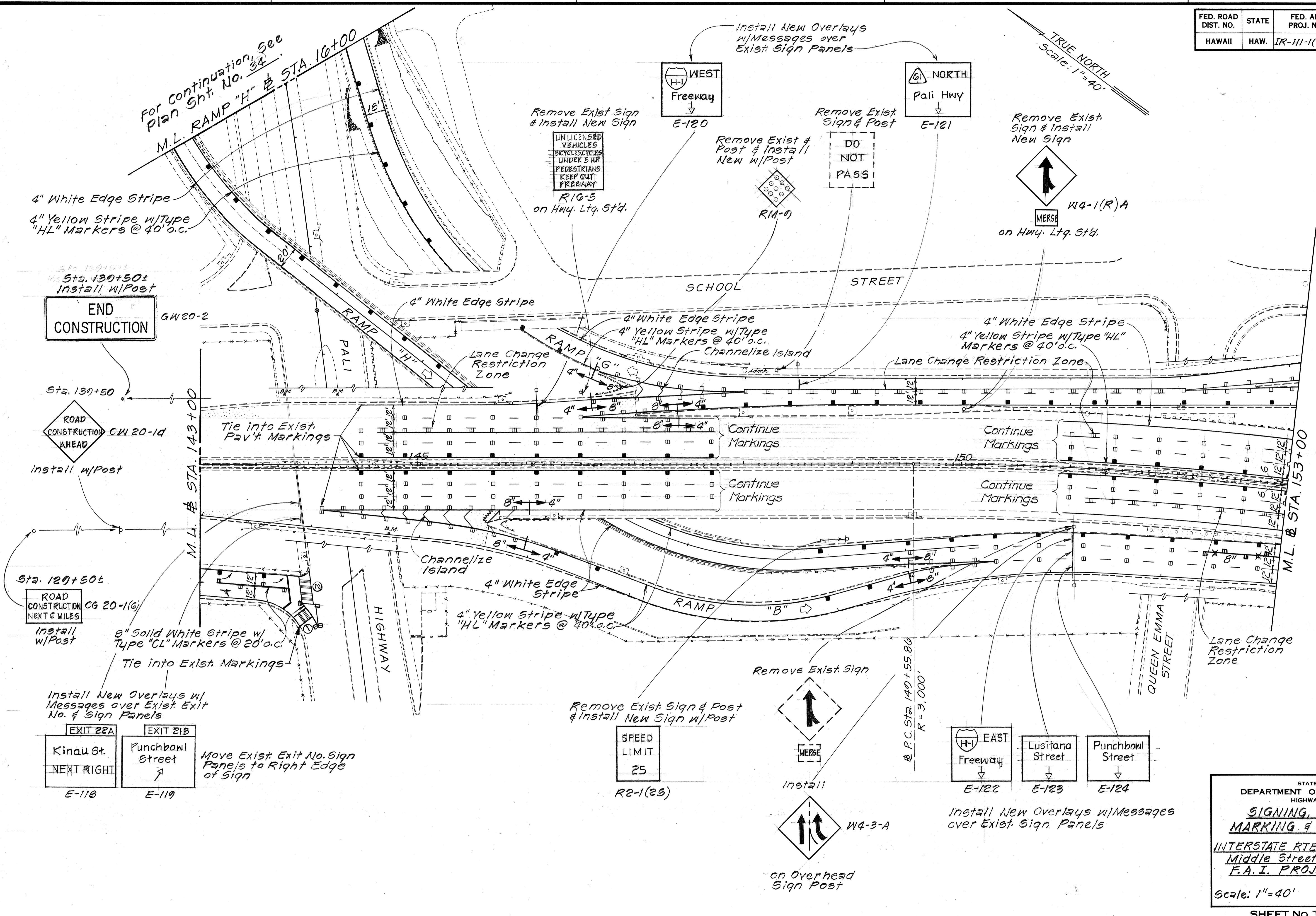
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1"=40' Date: May, 1987

SHEET NO. 15 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	35	97

TRUE NORTH  
Scale: 1"=40'



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

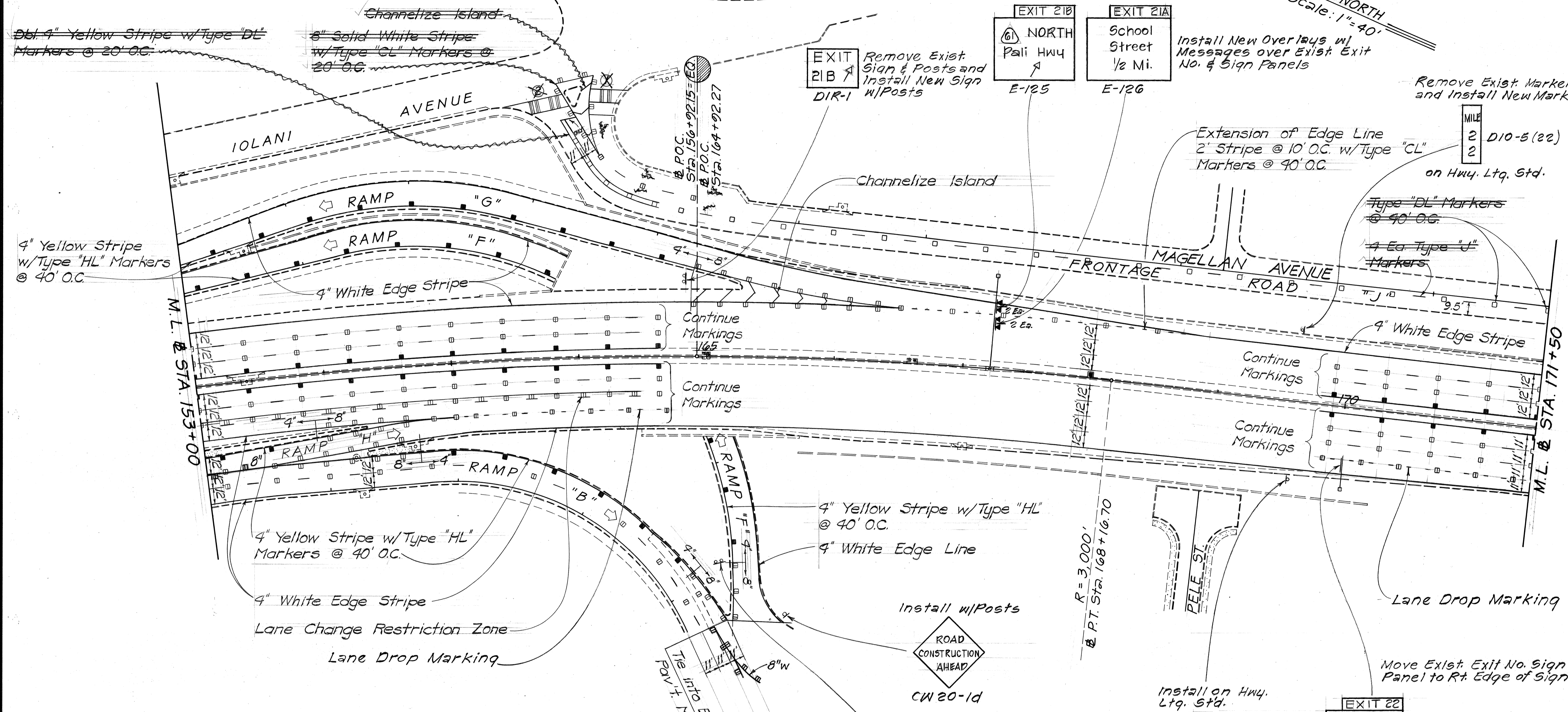
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAVEMENT  
MARKING & LIGHTING PLAN**  
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainaloa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)  
Scale: 1"=40' Date: May, 1987  
SHEET NO. 16 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	36	97

Note: Work along Magellan Ave. deleted by C.C.O. No. 2.

Move Exist. Exit No. Sign Panels to Rt. Edge of Sign

TRUE NORTH  
Scale: 1"=40'



6" Solid White Stripe w/Type "CL" Markers @ 20' O.C.

4" Yellow Stripe w/Type "DL" Markers @ 20' O.C.

4" Yellow Stripe w/Type "HL" Markers @ 40' O.C.

4" White Edge Stripe

4" Yellow Stripe w/Type "HL" Markers @ 40' O.C.

4" White Edge Stripe

Lane Change Restriction Zone

Lane Drop Marking

EXIT 21B  
Remove Exist. Sign & Posts and Install New Sign w/Posts  
DIR-1

EXIT 21B  
NORTH  
Pali Hwy  
E-125

EXIT 21A  
School Street  
1/2 Mi.  
E-126

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

Remove Exist. Marker and Install New Marker

Extension of Edge Line 2" Stripe @ 10' O.C. w/Type "CL" Markers @ 90' O.C.

2 D10-5(22) on Hwy. Ltq. Std.

Type "DL" Markers @ 40' O.C.

4 Ea. Type "J" Markers

Continue Markings

Continue Markings

Continue Markings

Lane Drop Marking

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

EXIT 22  
Kinau St  
EXIT ONLY  
E-127

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

Install on Hwy. Ltq. Std.

2 D10-5(22)

Install w/Posts  
ROAD CONSTRUCTION AHEAD  
CW 20-1d

4" Yellow Stripe w/Type "HL" @ 40' O.C.  
4" White Edge Line

WEST NORTH  
Lanikai Hwy  
Pali Hwy  
D-2  
Install New Overlays w/ Messages over Exist. Sign Panel

R=3,000'  
P.T. Sta. 168+16.70

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

DATE	REVISION
6/18/87	Revised Pav't Marking, per Addendum No. 1.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**  
INTERSTATE RTE. HI RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)  
Scale: 1"=40' Date: May, 1987  
SHEET NO. 11 OF 21 SHEETS

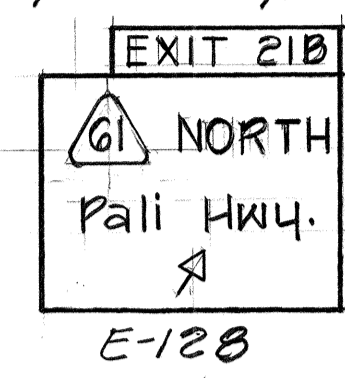
ADD. 36

36 HI-1 RESURF

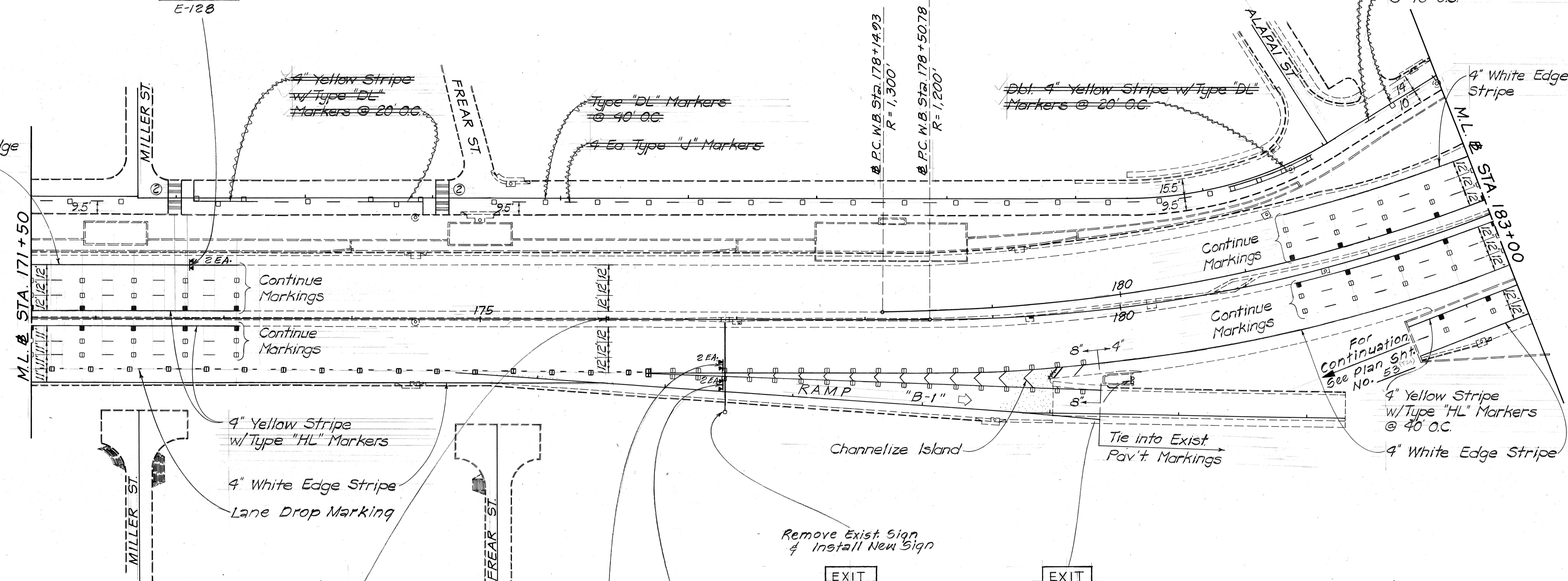
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	37	97

TRUE NORTH  
Scale: 1" = 40'

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

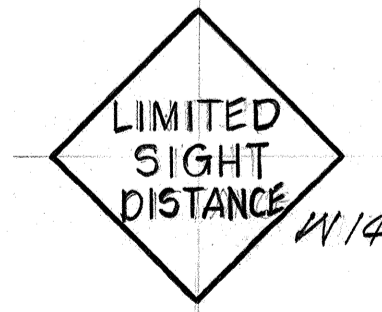


Install New Overlays w/ Messages over Exist. Exit No. & Sign Panels

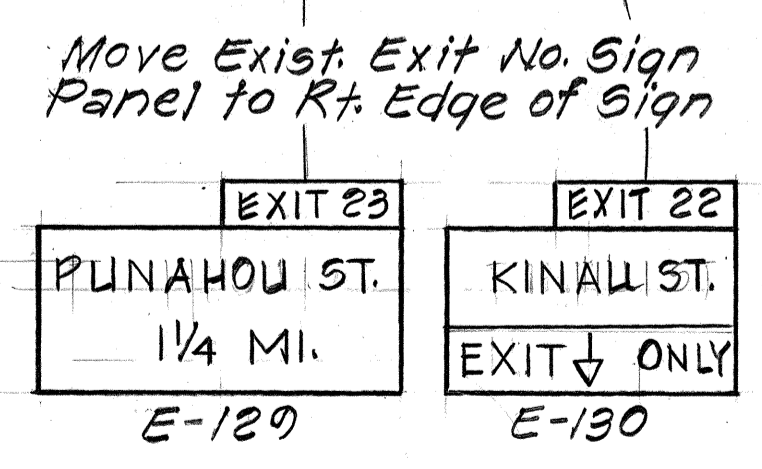


DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

Remove Exist. Sign & Install New Sign on Exist. Post

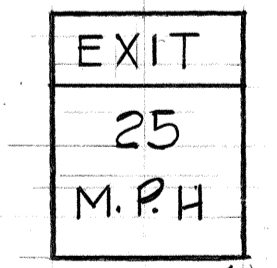


40 MPH W13-1(40)-A on Concrete Barrier



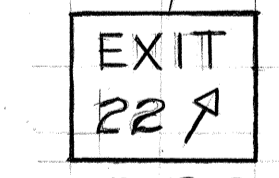
Install New Overlays w/ Messages over Exist. Exit No. & Sign Panels

Remove Exist. Sign & Install New Sign



W13-2(25) on Overhead Sign Post

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



DATE	REVISION
6/18/87	Revised Pav't Marking, per Addendum No. 1.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**  
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. NO. IR-HI-1(204)

Scale: 1" = 40' Date: May, 1987

SHEET NO. 37 OF 27 SHEETS

ADD. 37

37 H-1 RESURF

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	38	97

Remove Exist Sign & Install New Sign on Hwy. Ltq. St'd.

WEST M3-4-A  
H-1 IM-1(2)

Install New Overlays w/ Messages over Exist Sign Panels

Pali Hwy 1/4  
School St 3/4  
Palama St 1/2  
E-131

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

EXIT 30 M.P.H.

EXIT 22 DIR-3

Install w/ Posts

ROAD CONSTRUCTION AHEAD

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

EXIT 21B NORTH Pali Hwy. 1/2 MI E-133

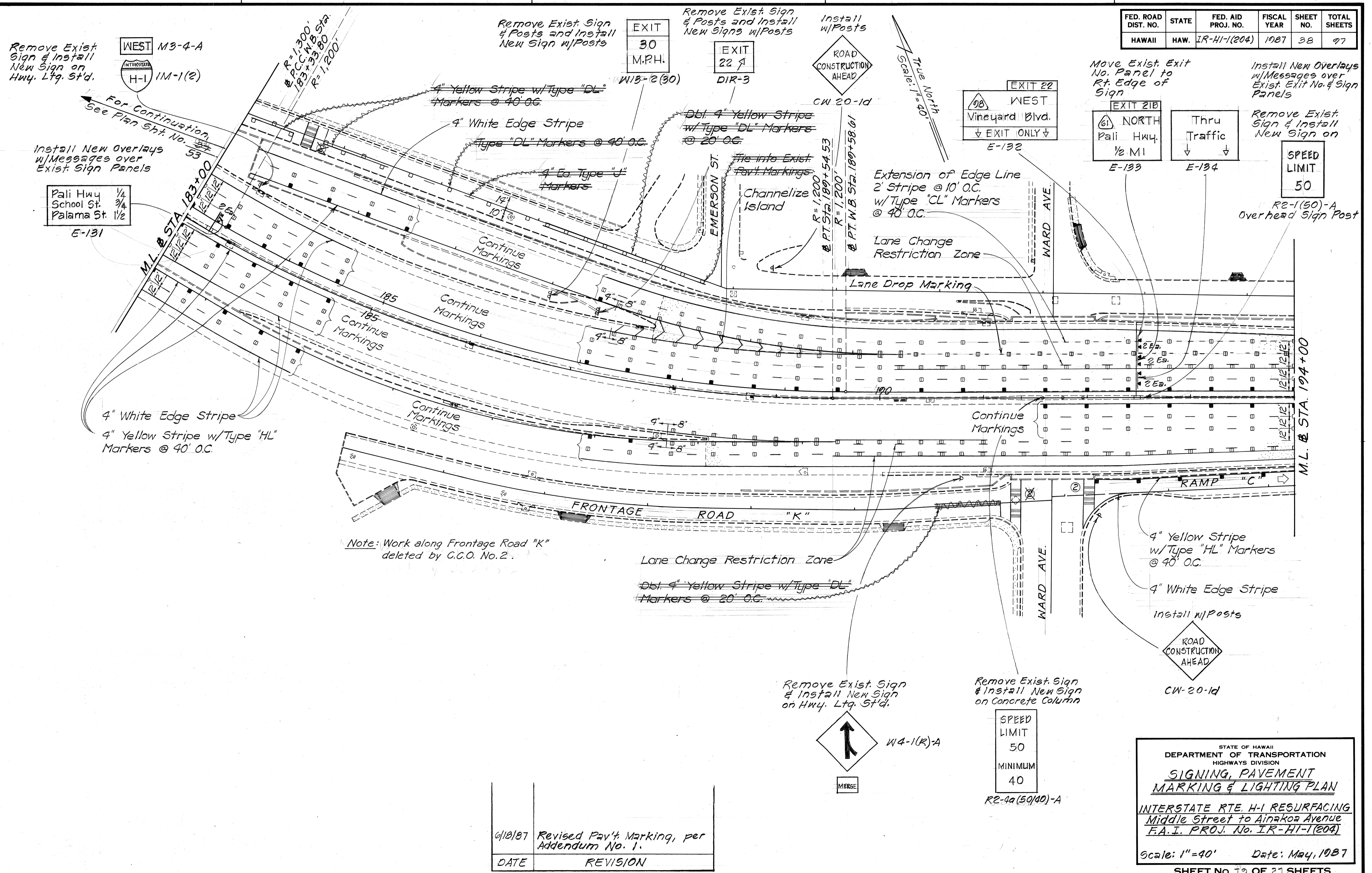
Thru Traffic E-134

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

Remove Exist Sign & Install New Sign on

SPEED LIMIT 50

R2-1(50)-A Over head Sign Post



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

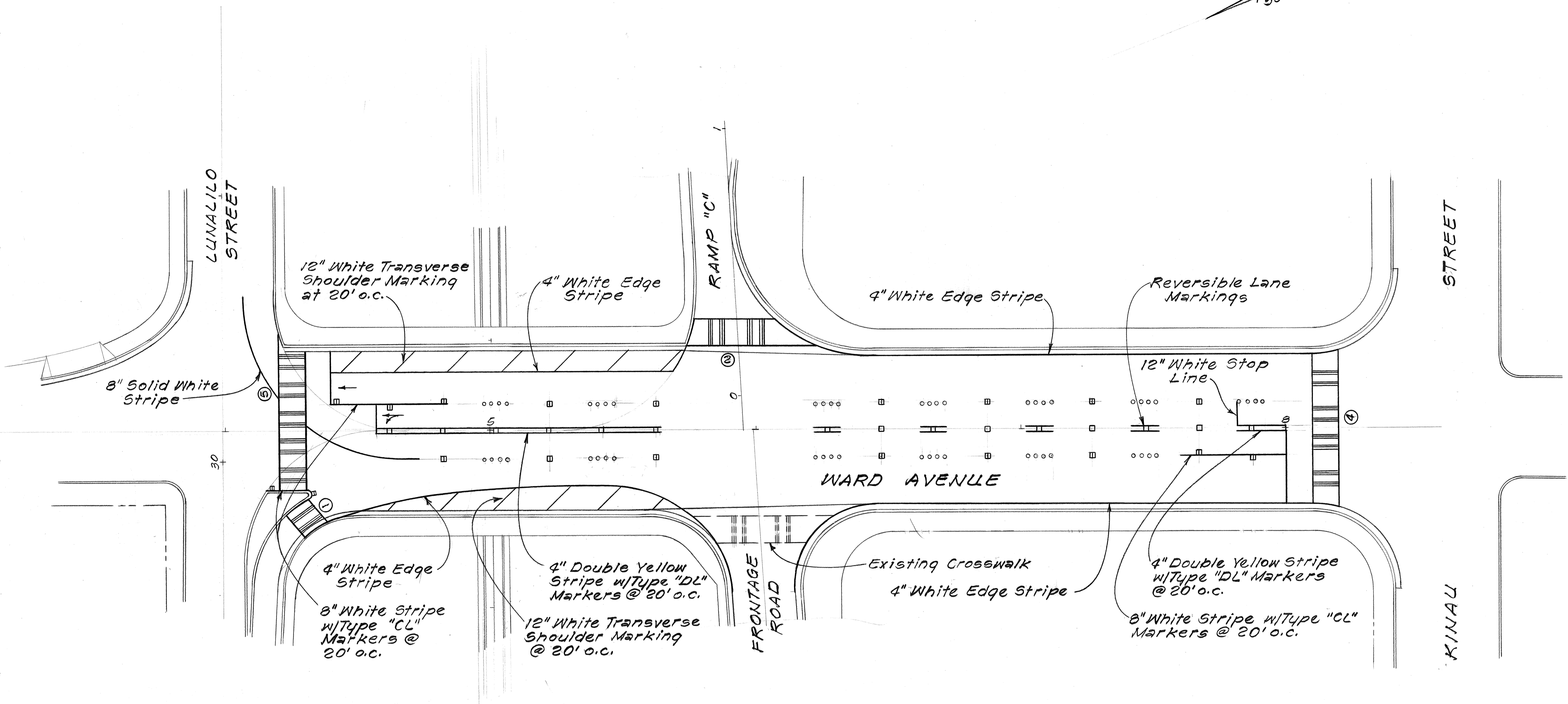
Note: Work along Frontage Road "K" deleted by C.C.O. No. 2.

DATE	REVISION
6/18/87	Revised Pav't Marking, per Addendum No. 1.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**  
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)  
Scale: 1"=40' Date: May, 1987  
SHEET No. 38 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-41-1(204)	1988	ADD. 38 S-1	77

TRUE NORTH  
Scale: 1"=20'



C.C.O. No. 5  
NON-PARTICIPATING

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
MIDDLE STREET TO AINAKOEA AVENUE  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1"=20' Date: Feb, 1988

SHEET No. 38 S-1 OF 27 SHEETS

DATE	REVISION
2-22-88	Added Ward Ave. Pavement Marking.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	39	97

Remove Exist. Sign & Install New Sign on Exist. Sign Post

Remove Exist. Sign & Install New Sign on Hwy. Ltq. Std.

Install New Overlays w/ Messages over Exist. Sign Panel

WEST M3-4-A

INTERSTATE H-1 1M-1(2)

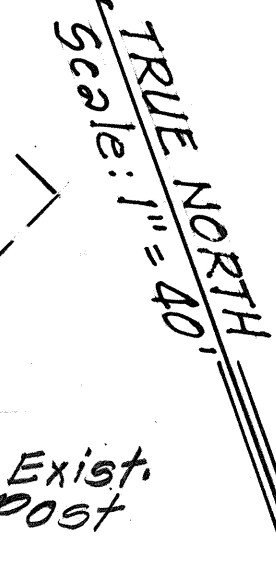
Merge MG-2(L)

Install w/ Posts



W4-3-A

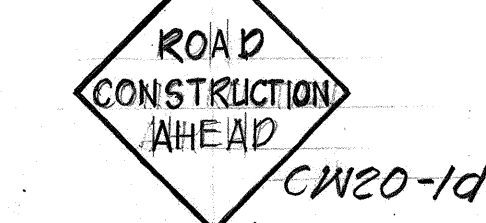
Remove Exist. Sign & Post



Merge

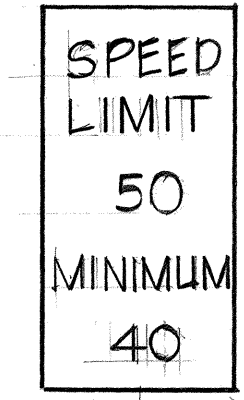
E-135

Install w/ Posts



Road Construction Ahead

ERNEST ST.



R2-4a (50/40)-A

Vineyard Blvd. 1/4  
Pali Hwy. 3/4  
School St. 1 1/4

Lane Drop Marking

Extension of Edge Line  
2" Stripe @ 10' O.C. w/ Type "CL"  
Markers @ 40' O.C.

PC Sta. 195+57.51  
R = 25,000

PT Sta. 197+68.89  
R = 25,000

Lane Drop Marking

Lane Change Restriction Zone

4" White Edge Stripe

STA. 200+50±  
Beg. 8" Stripe

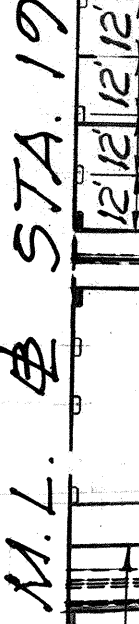
LUNALILO ST.

RAMP "E"

Tie into Exist. Pav't. Markings

4" White Edge Stripe

M.L. STA. 194+00



Continue Markings

Continue Markings

Continue Markings

Continue Markings

Lane Change Restriction Zone

4" White Edge Stripe

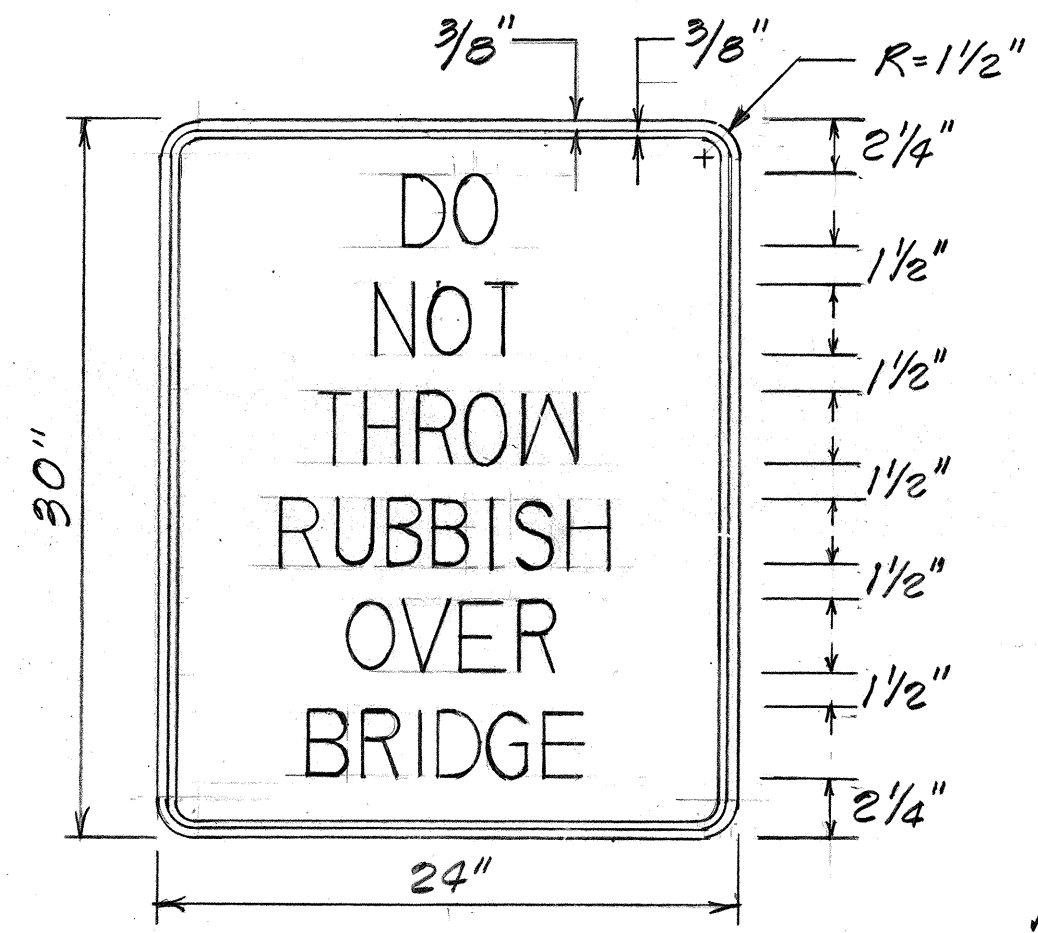
8" Solid White Stripe  
w/ Type "CL" Markers  
@ 20' O.C.

4" White Edge Stripe

Remove Exist. Sign & Install New Signs on Hwy. Ltq. Std.

EAST M3-2-A

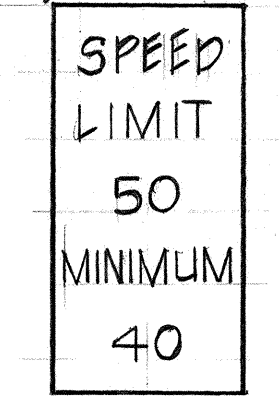
INTERSTATE H-1 1M-1(2)



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

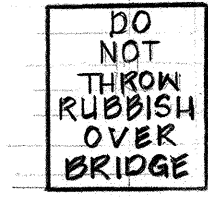
NOTE:  
1. Use 3" Series C Letters  
2. Reflectorized Red Legend and Border on Reflectorized White Background

Remove Exist. Sign & Install New Sign on Hwy. Ltq. Std.



R2-4a (50/40)-A

Remove Exist. Signs (3 Ea.) Approx. 500' Apart and Install New Sign on Exist. Post on Barrier (Eastbound)



For Detail, see this sheet

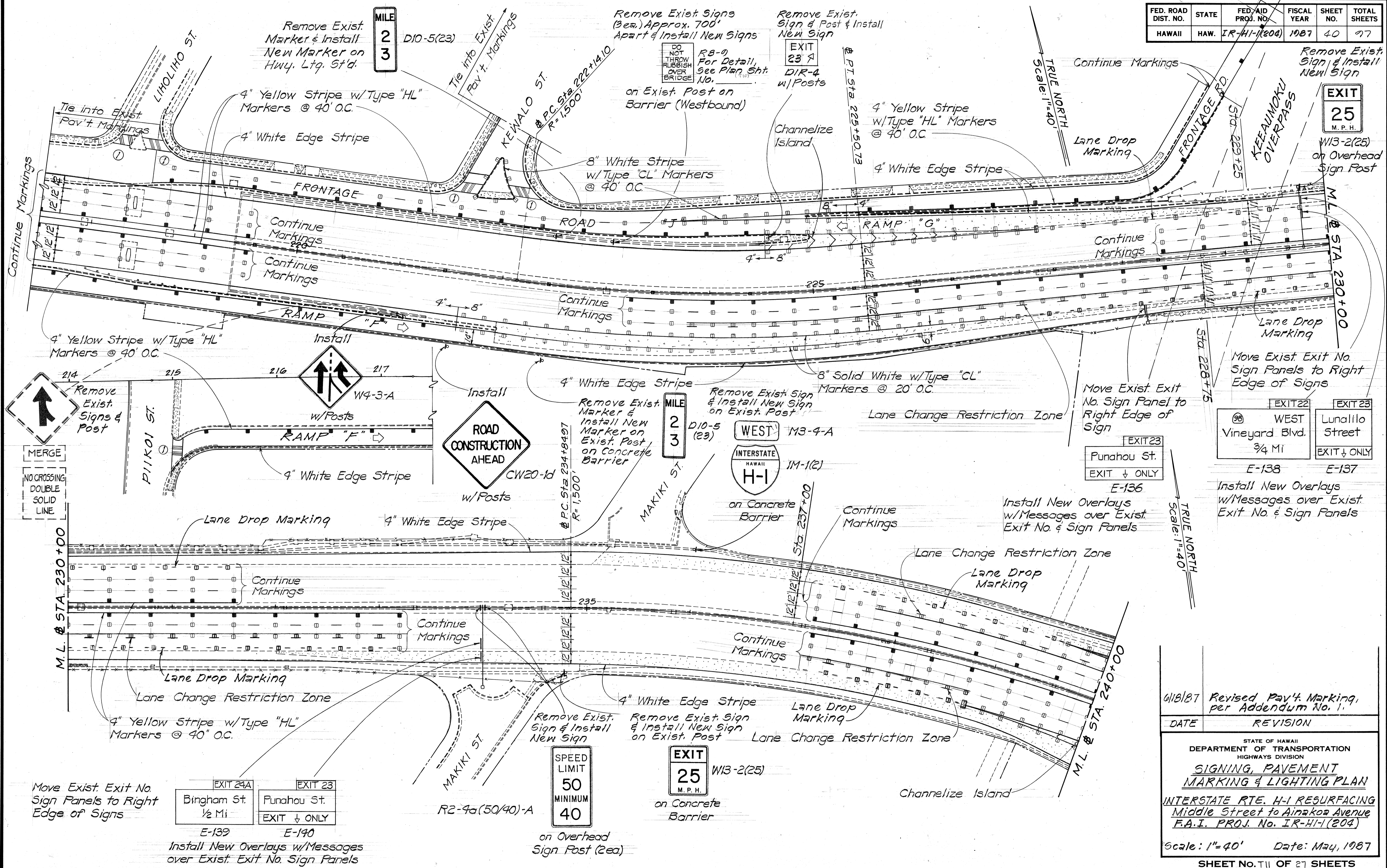
REVISED H-1/RAMP "E" GORE  
POST UNDER "AS-BUILT"

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

6/18/87	Revised Pav't. Marking, per Addendum No. 1.
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAYEMENT  
MARKING & LIGHTING PLAN**  
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)  
Scale: As Shown Date: May, 1987  
SHEET NO. 110 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-(204)	1987	40	97

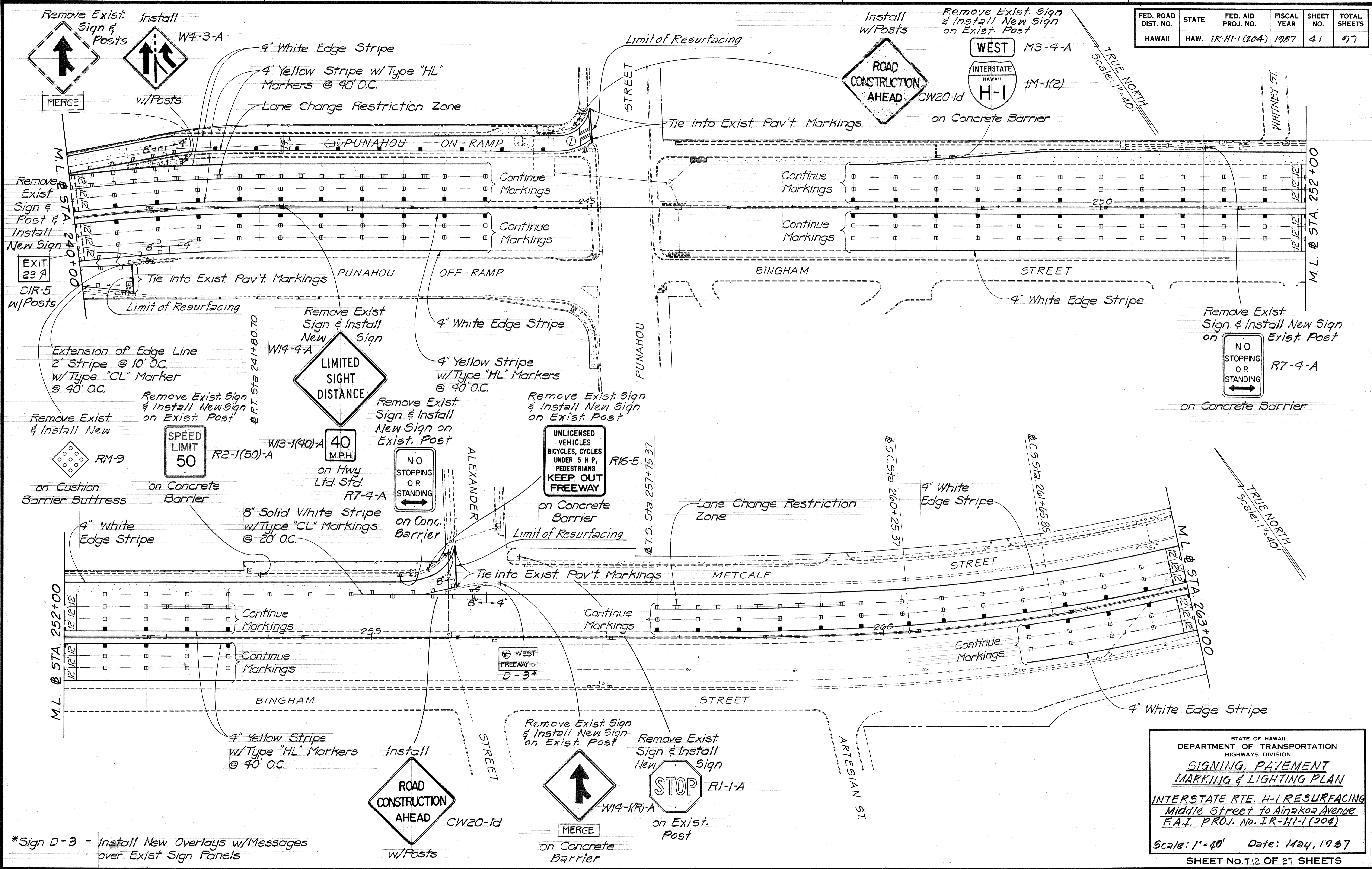


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

6/18/87	Revised Pav't. Marking, per Addendum No. 1.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>SIGNING, PAVEMENT MARKING &amp; LIGHTING PLAN</b>	
INTERSTATE RTE. H-1 RESURFACING Middle Street to Ainakoa Avenue F.A.I. PROJ. No. IR-HI-(204)	
Scale: 1"=40'	Date: May, 1987
SHEET No. 111 OF 27 SHEETS	

ADD. 40

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	41	97



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

\*Sign D-3 - Install New Overlays w/Messages over Exist. Sign Panels

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1"=40' Date: May, 1987  
SHEET No. 41 OF 27 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	43	77

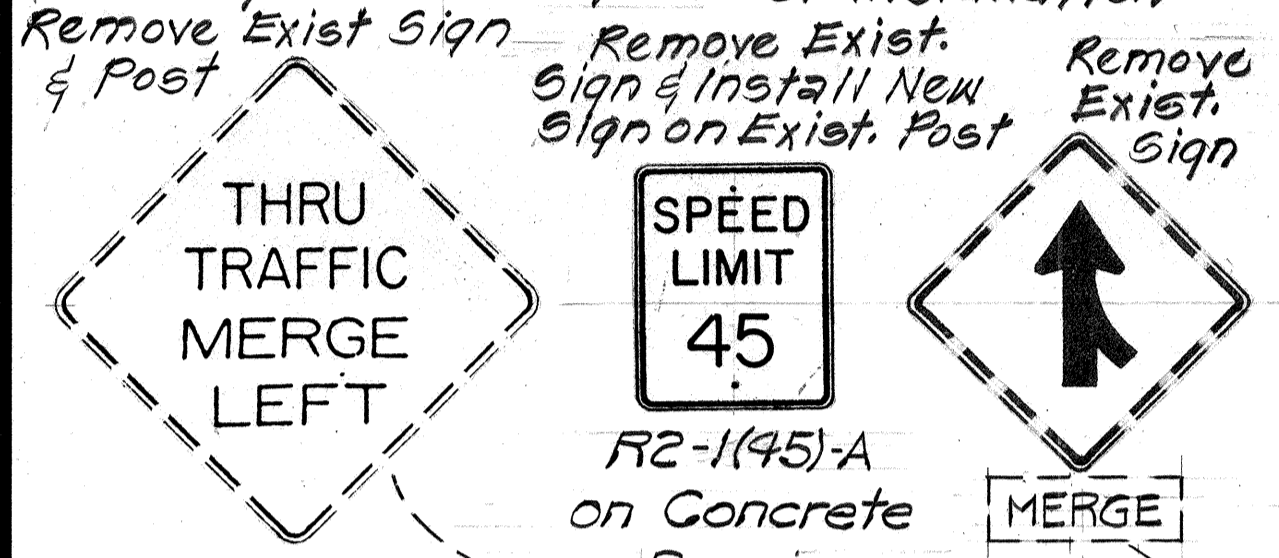
**LEGEND**

- RM-2
- RM-3

NOTE: Remove all existing reflector markers & posts and install new reflector markers w/post at the locations as shown on this sheet & Plan Sht. No. 44.

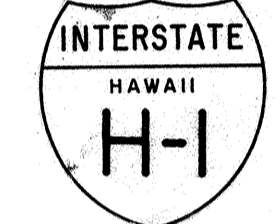
\* Remove Existing Signs & Posts & Install New Panels w/Message w/Posts.

For Signs D4, D5 & D6, use Flanged Channel or Square Tube Post & Sign D-7, use 2.50 LBS/FT. Flanged Channel, 3-Post Installation



Remove Exist. Sign & Install on Exist. Post

WEST M3-4-A



on Concrete Barrier

4" Yellow Stripe w/Type "HL" Markers @ 40' O.C.

8" Solid White Stripe w/Type "CL" Markers @ 20' O.C.

4" White Edge Stripe

Lane Drop Marking

Lane Change Restriction Zone

4" White Edge Stripe

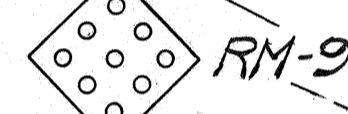
4" Yellow Stripe w/Type "HL" Markers @ 40' O.C.

Remove Exist. Sign & Posts & Install New Sign



on Cushion Barrier Buttruss

Remove Exist. & Install New



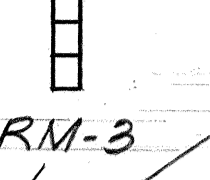
on Cushion Barrier Buttruss

Remove Exist. Sign & Posts & Install New Sign



w/Posts

Remove Exist. & Install w/Post



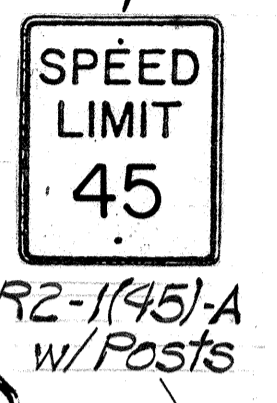
4" Yellow Stripe w/Type "HL" Markers @ 40' O.C.

install w/Post

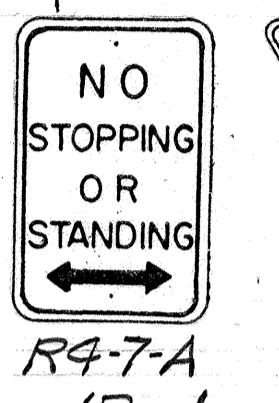


RI-2-A

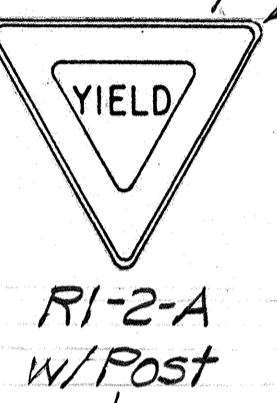
Remove Exist. Sign & Posts & Install New Signs



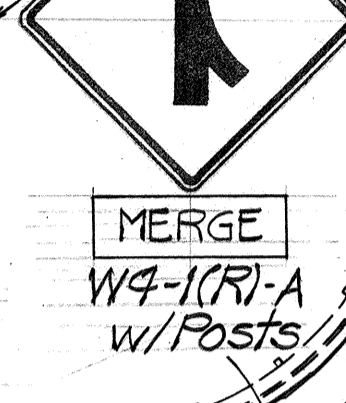
R2-1(45)-A w/Posts



R4-7-A w/Post

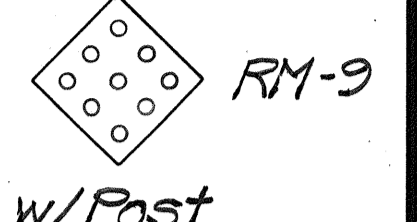


RI-2-A w/Post



W4-1(R)-A w/Posts

Remove Exist. RM-9 & Post & Install New



w/Post

4" White Edge Stripe Lane Change Restriction Zone

4" White Edge Stripe

Continue Markings

Continue Markings

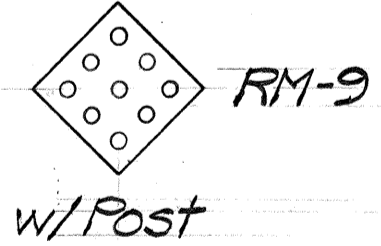
Extension of Edge Line 2' Stripe @ 10' O.C. w/Type "CL" Markers @ 40' O.C.

4" White Edge Stripe

4" White Edge Stripe

4" Yellow Stripe w/Type "HL" Markers @ 40' O.C.

Remove Exist. RM-9 & Post & Install New



w/Post

EXIT 248 DIR-9\*

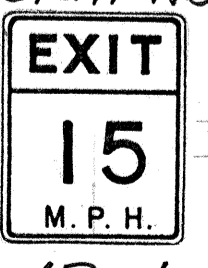
Remove Exist. Sign & Install New Sign



on Hwy. Ltg. Std.

R2-1(45)-A

Remove Exist. Sign & Posts and Install New Signs



w/Posts

W13-2(15)

6/12/87 Revised Pav't Marking and Added Yield Sign, per Addendum No. 1.

DATE

REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**  
INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. NO. IR-HI-1(204)  
Scale: 1"=40' Date: May, 1987  
SHEET NO. T14 OF 27 SHEETS

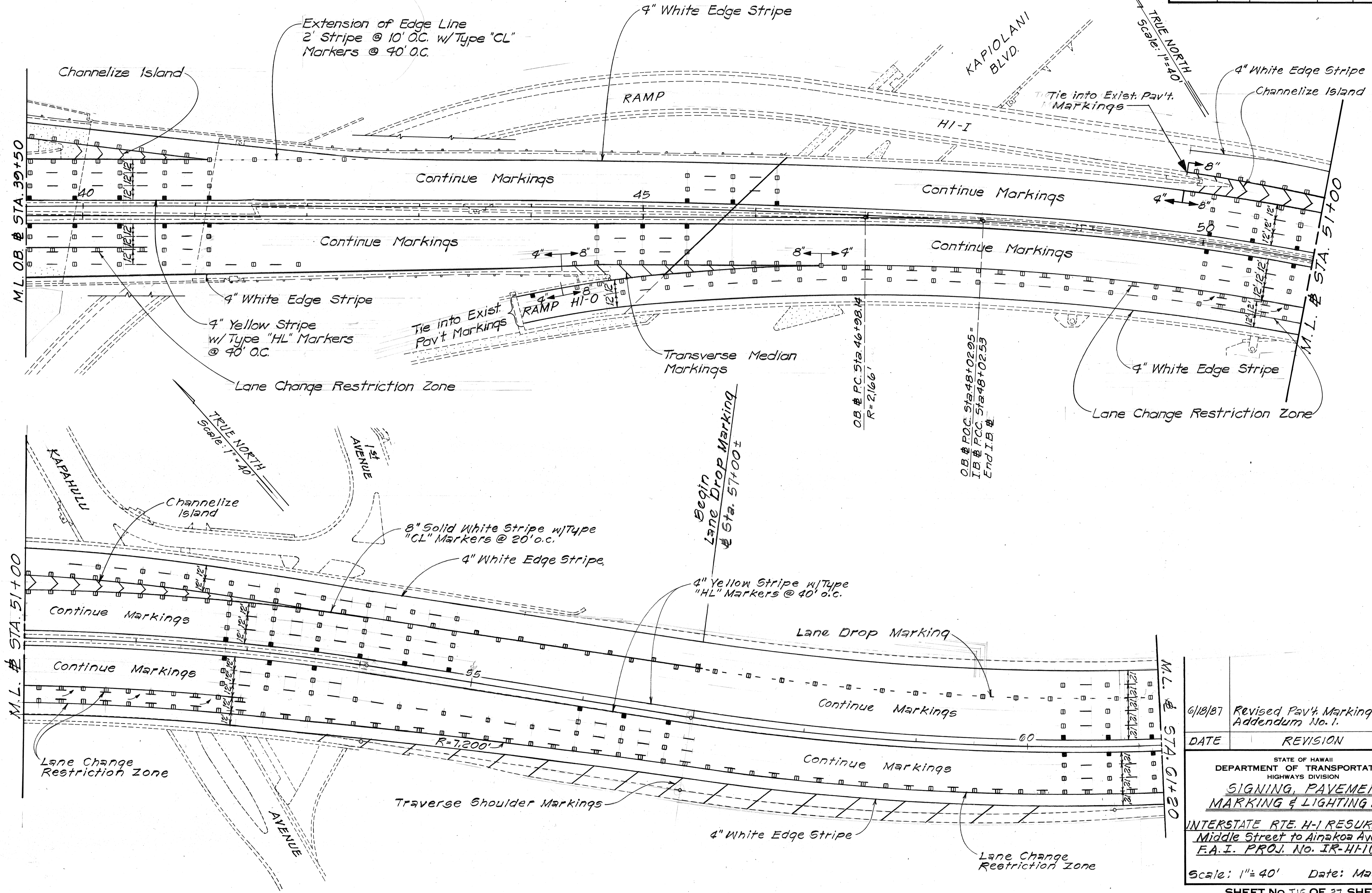
ADD. 43

43 H-1 RESURF

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
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(204)	1987	45	97



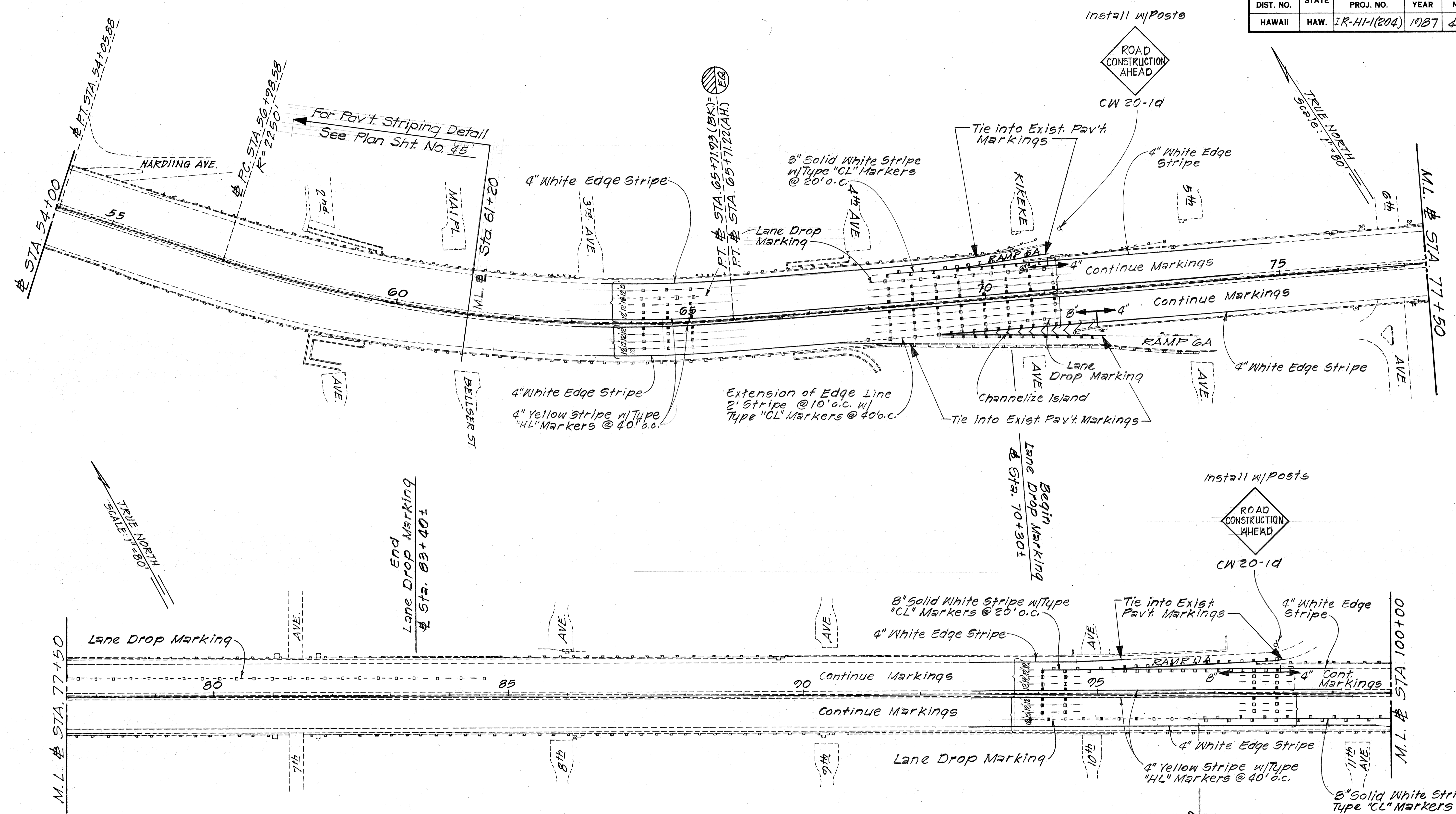
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

6/18/87	Revised Pav't. Marking, per Addendum No. 1.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>SIGNING, PAVEMENT MARKING &amp; LIGHTING PLAN</b>	
INTERSTATE RTE. H-1 RESURFACING Middle Street to Aiea Koa Avenue E.A.I. PROJ. No. 1R-HI-1(204)	
Scale: 1"=40'	Date: May, 1987
SHEET No. 116 OF 27 SHEETS	

ADD. 45

45 H-1 RESURF (1)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	46	97



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

DATE	REVISION
6/18/87	Revised Pavement Marking per Addendum No. 1

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

INTERSTATE RTE. HI RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

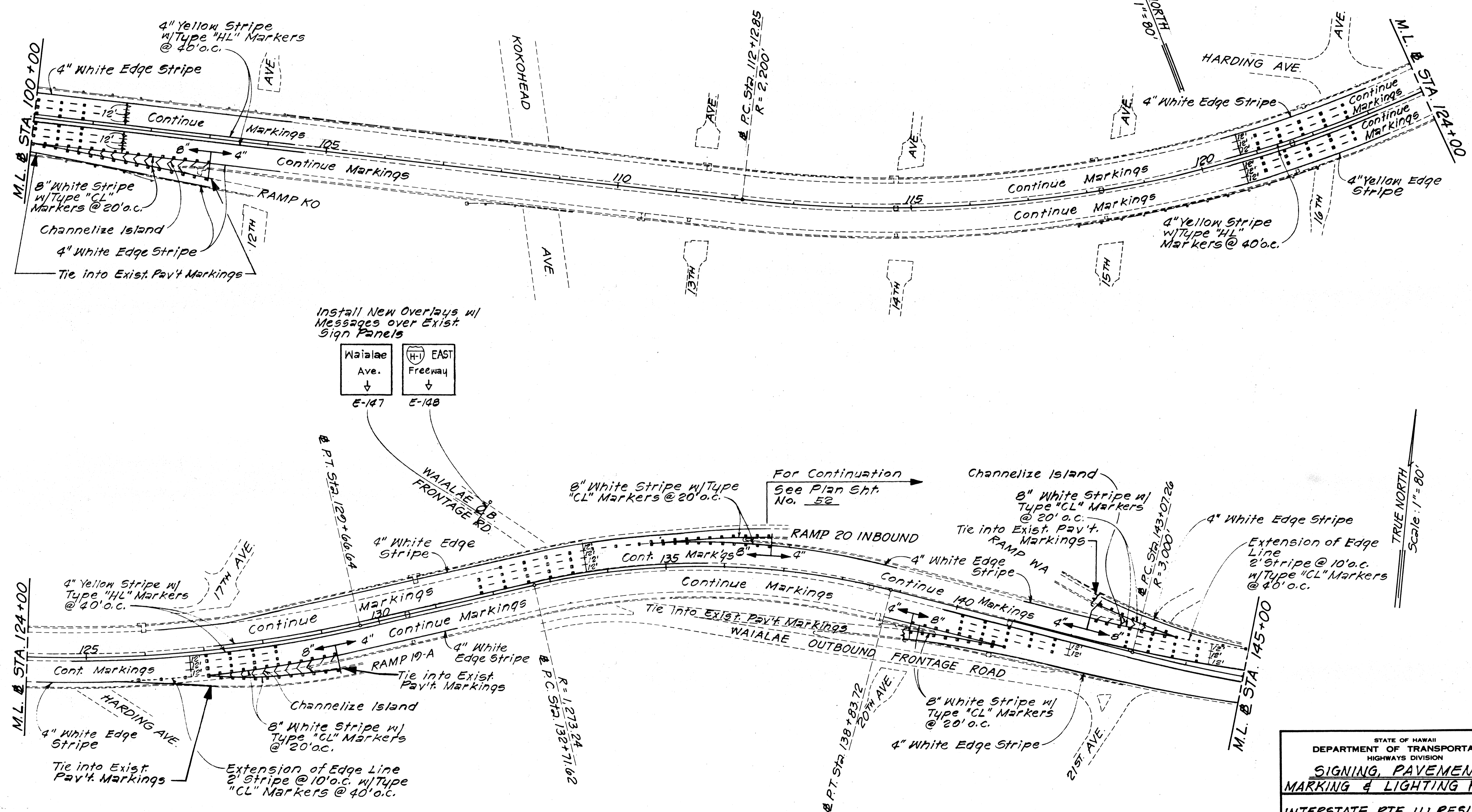
Scale: 1" = 80' Date: May, 1987

SHEET NO. 117 OF 27 SHEETS

ADD. 46

46 HI RESURF.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	47	97



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

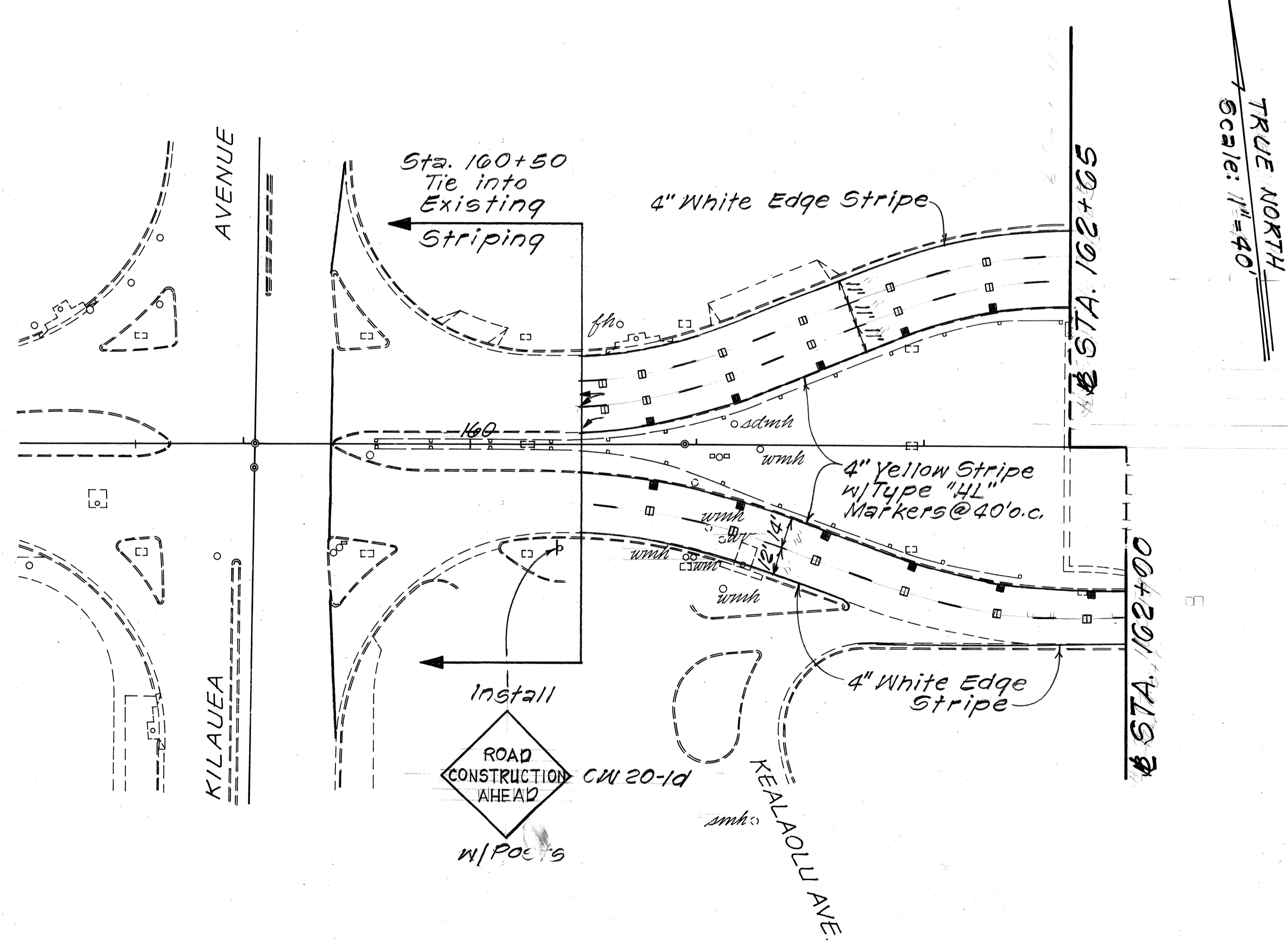
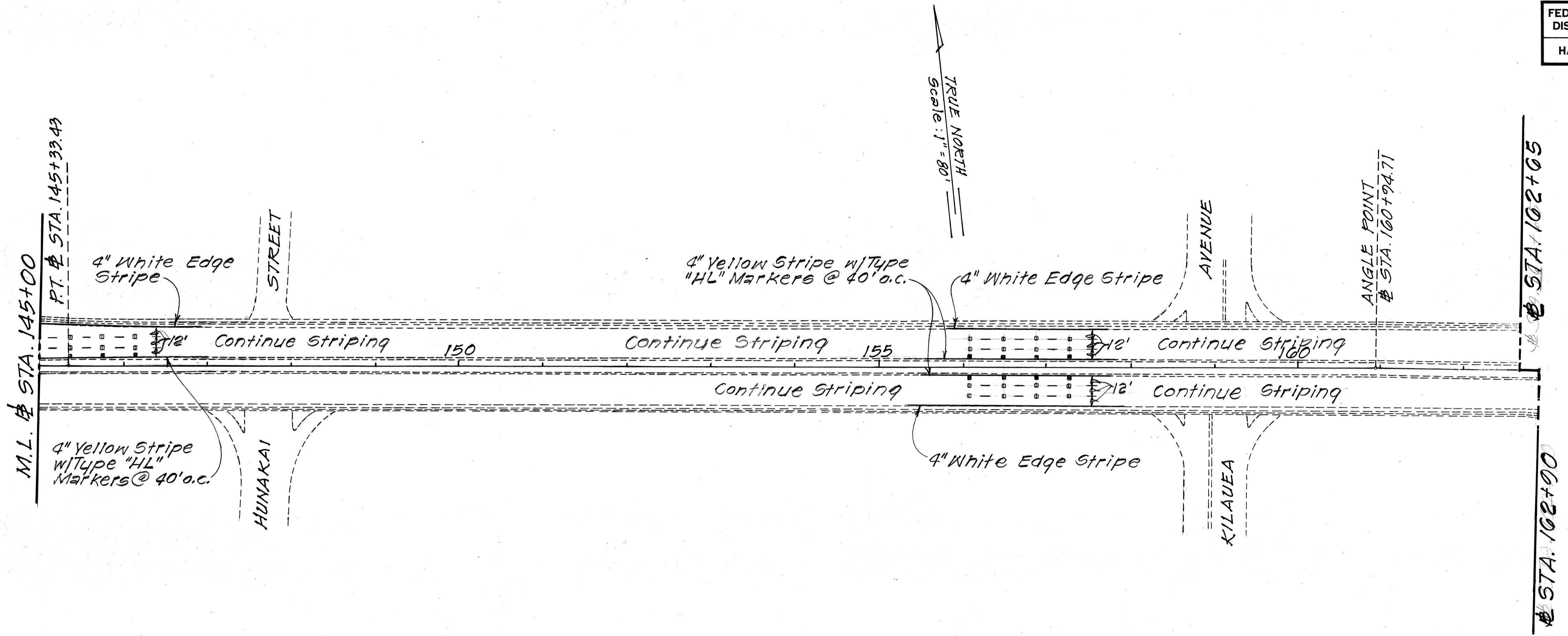
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING, PAVEMENT  
MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainaloa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1"=80' Date: May, 1987  
SHEET No. 18 OF 27 SHEETS

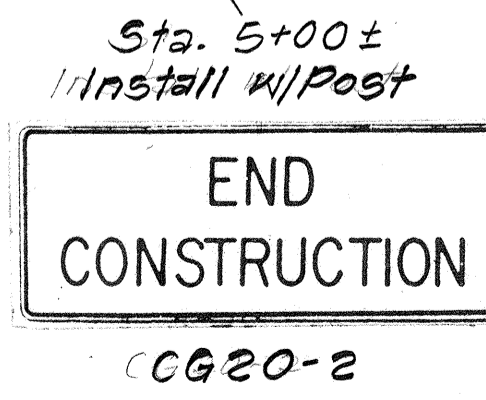
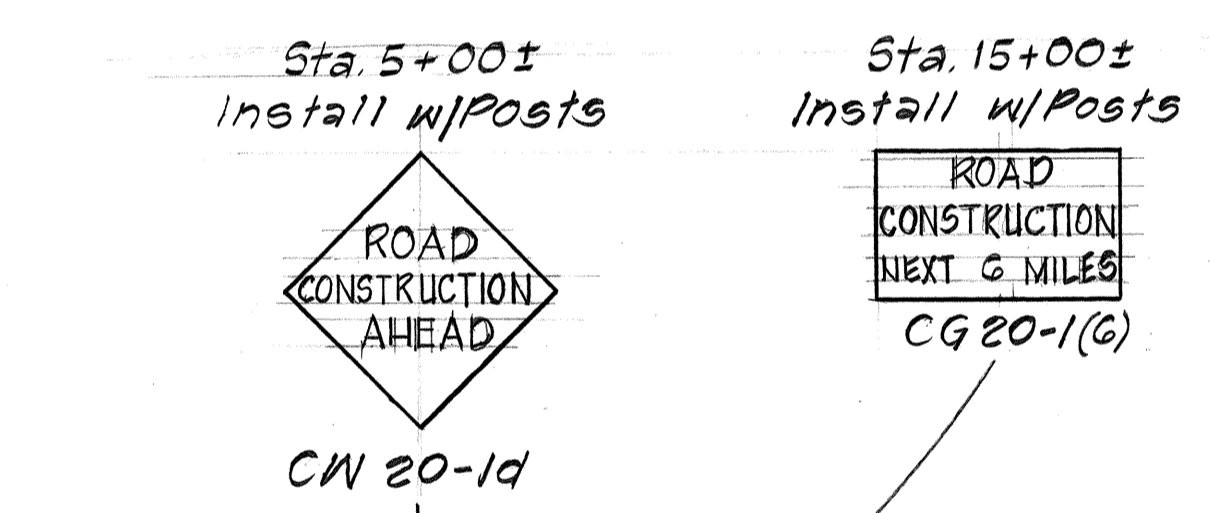
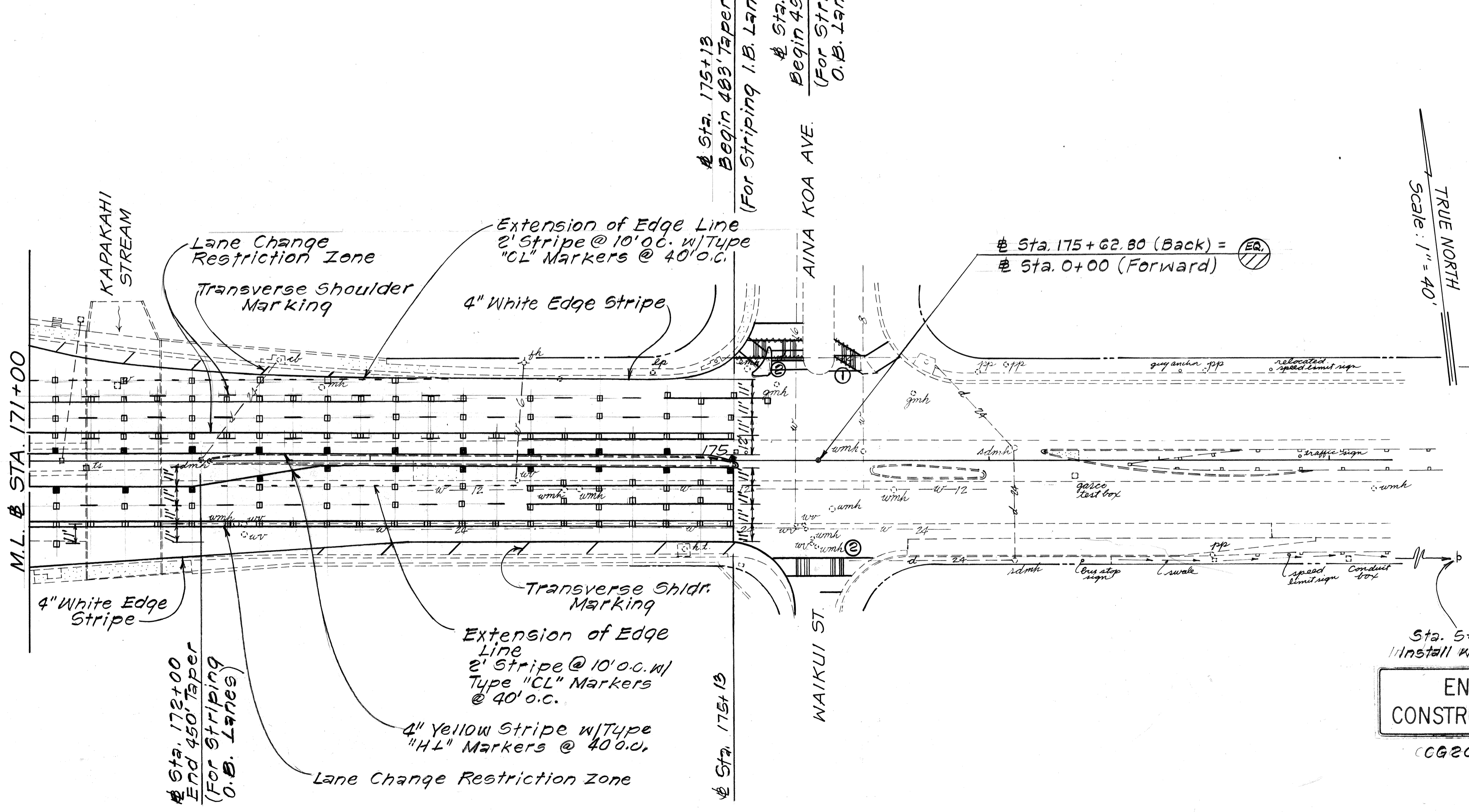
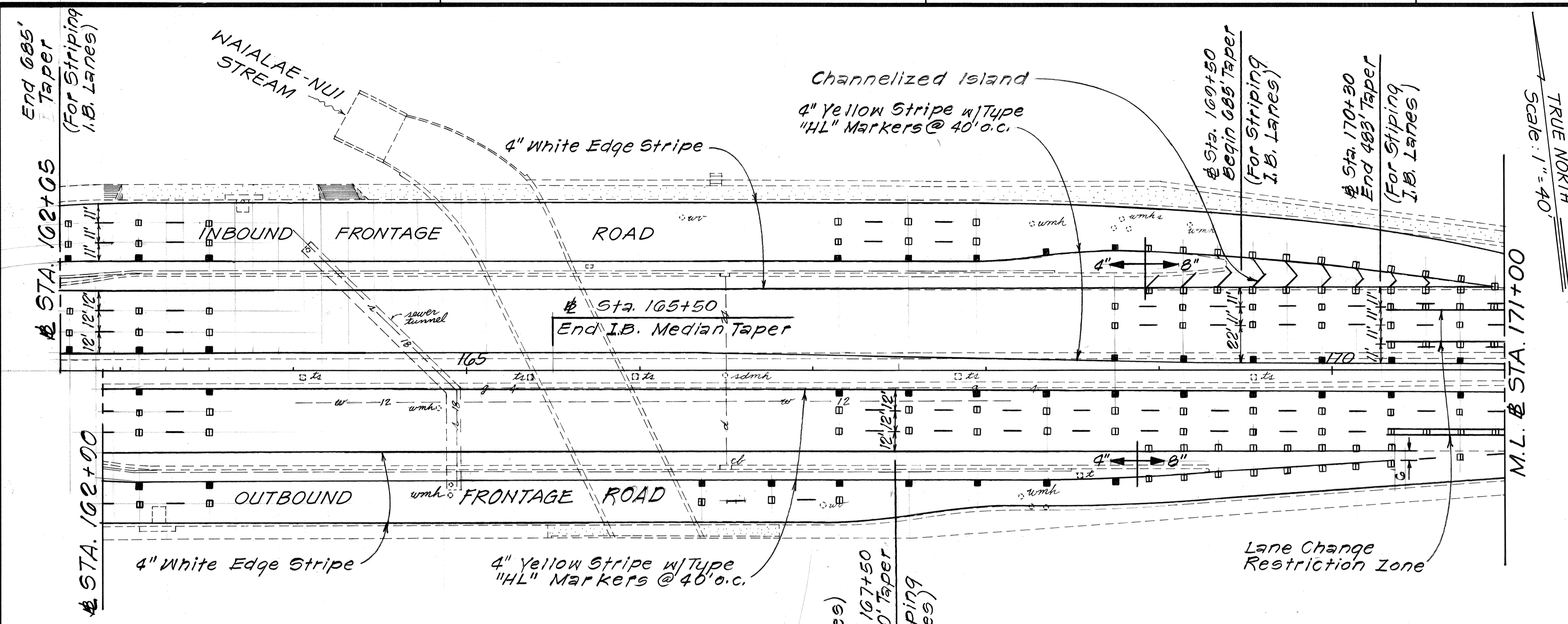
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	48	97



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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING, PAYEMENT  
MARKING & LIGHTING PLAN**  
INTERSTATE RTE. HI RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)  
Scale: As Shown Date: May, 1987  
SHEET No. 48 OF 97 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	49	97



DATE	_____
DESIGNED BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

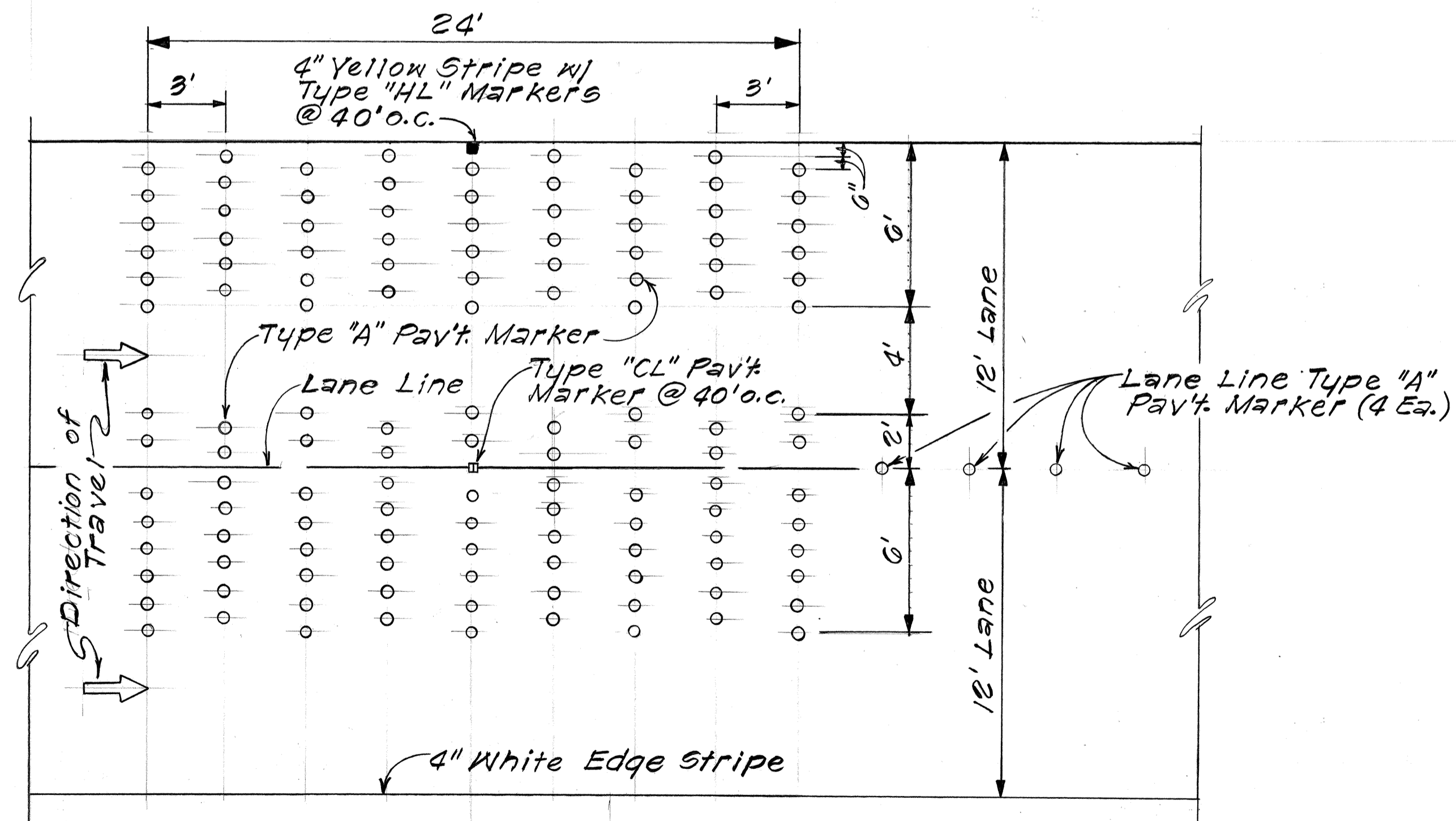
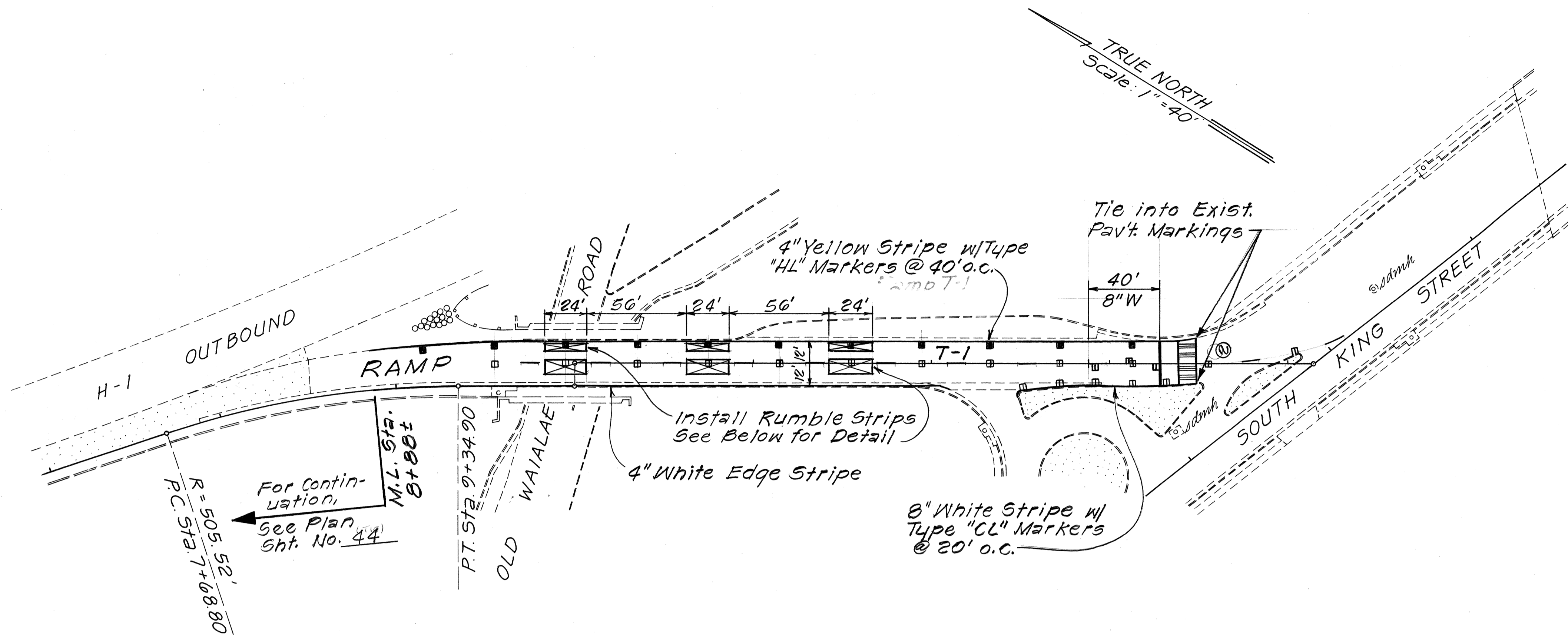
**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainaloa Avenue  
F.A.I. PROJ. NO. IR-HI-1(204)

Scale: 1"=40' Date: May, 1987

SHEET NO. T20 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(204)	1987	50	97



**RUMBLE STRIP DETAIL**  
Scale: 1/4"=1'-0"

NOTE: Rumble Strip will be paid for under Item No. 629.2010 - Type A Pavement Markers.

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

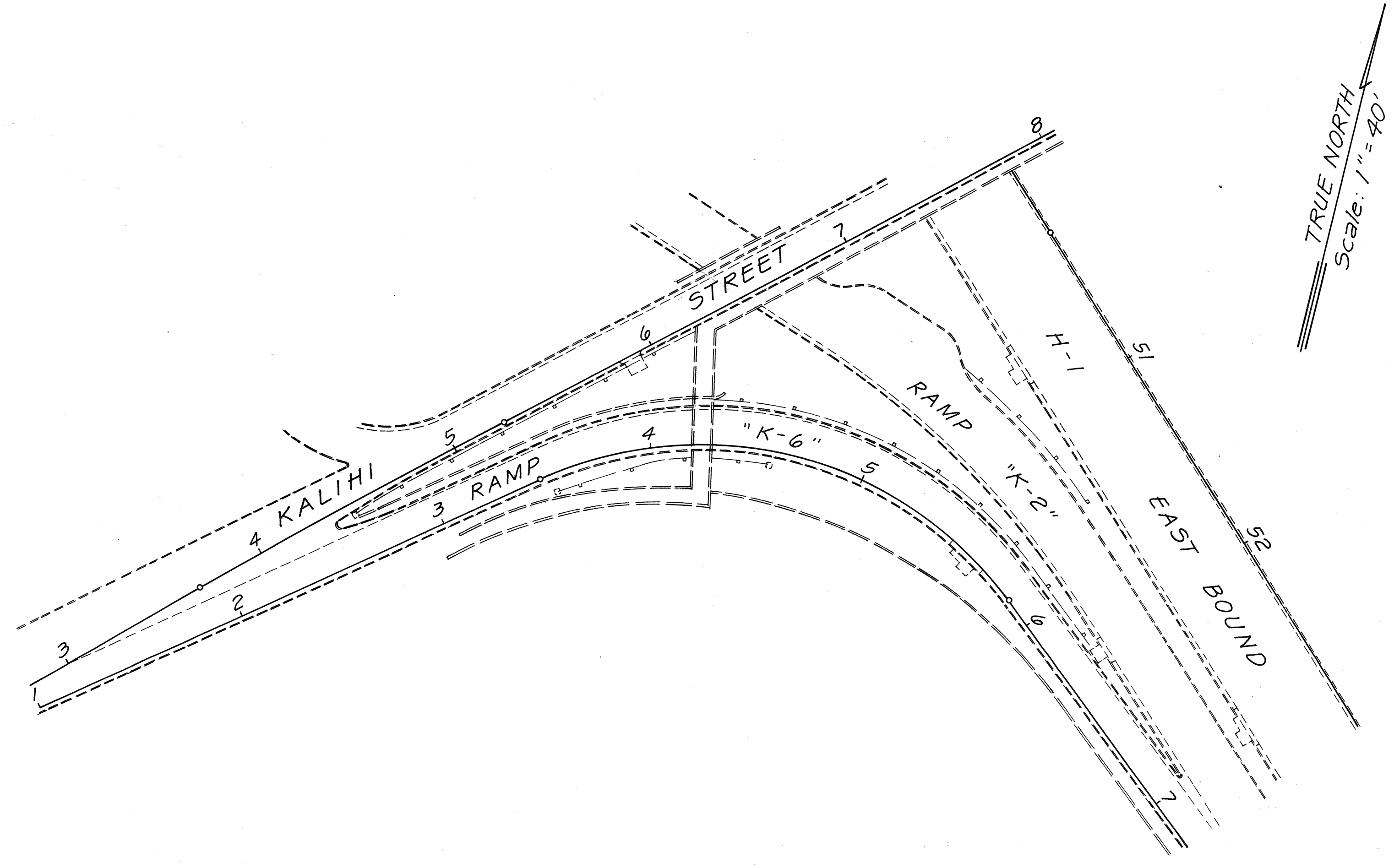
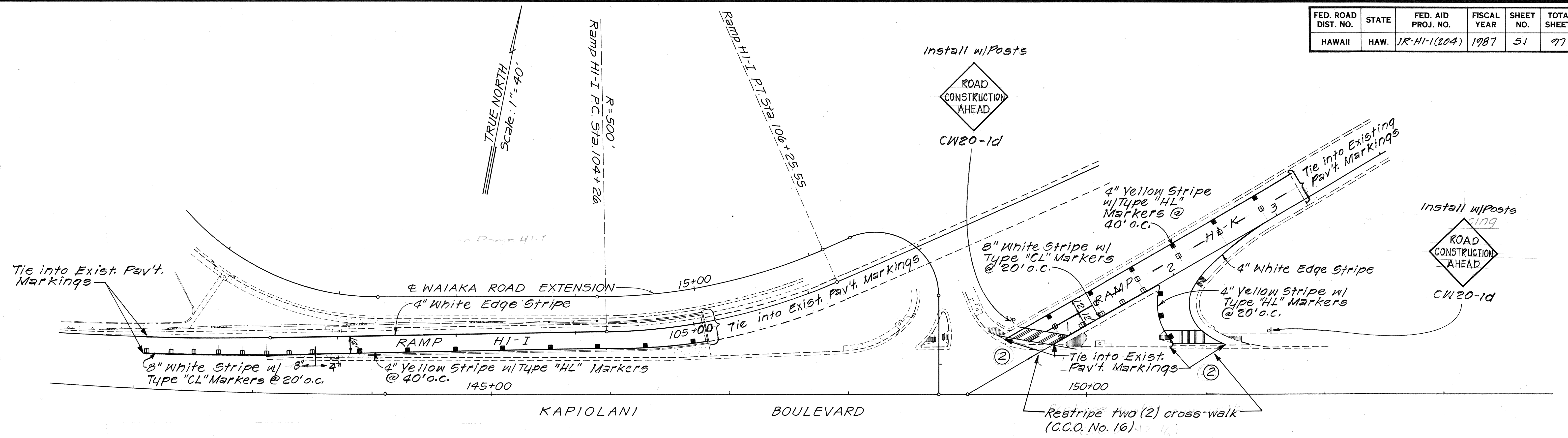
**SIGNING & PAVEMENT MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. 1R-HI-1(204)

Scale: As Shown Date: May, 1987

SHEET No. 21 OF 27 SHEETS

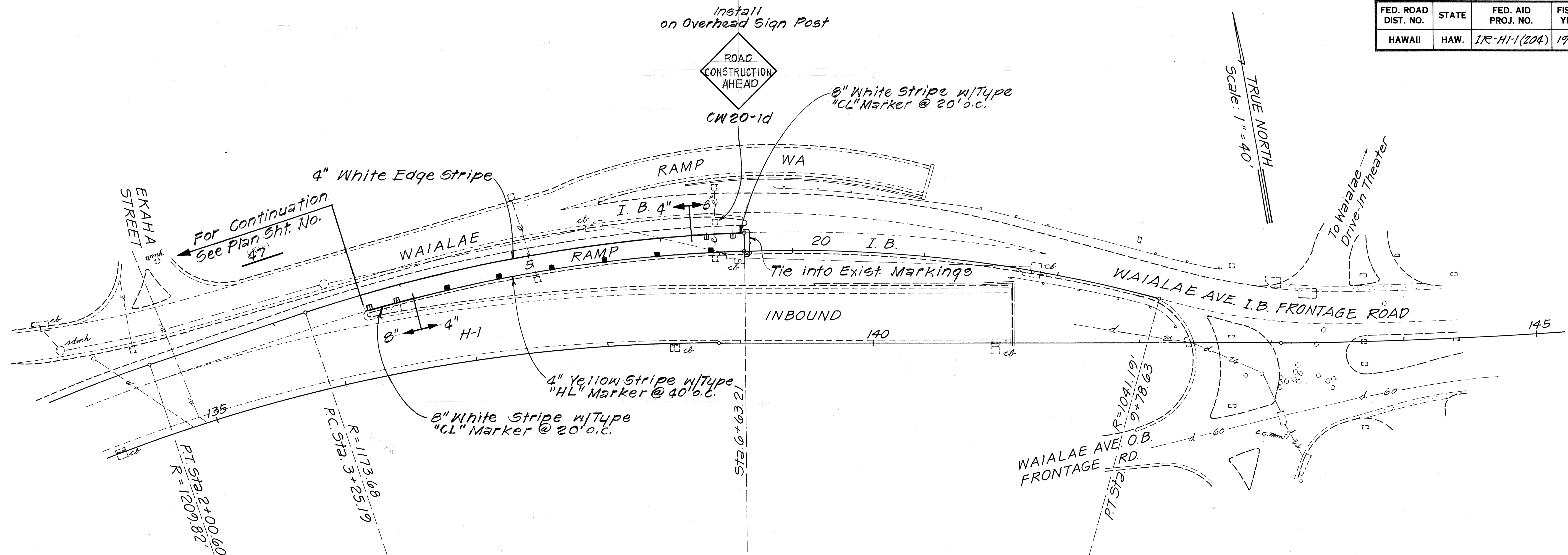
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	51	97



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  
MARKING & LIGHTING PLAN**  
INTERSTATE RTE. HI-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)  
Scale: 1"=40' Date: May, 1987  
SHEET No. T22 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	52	97



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

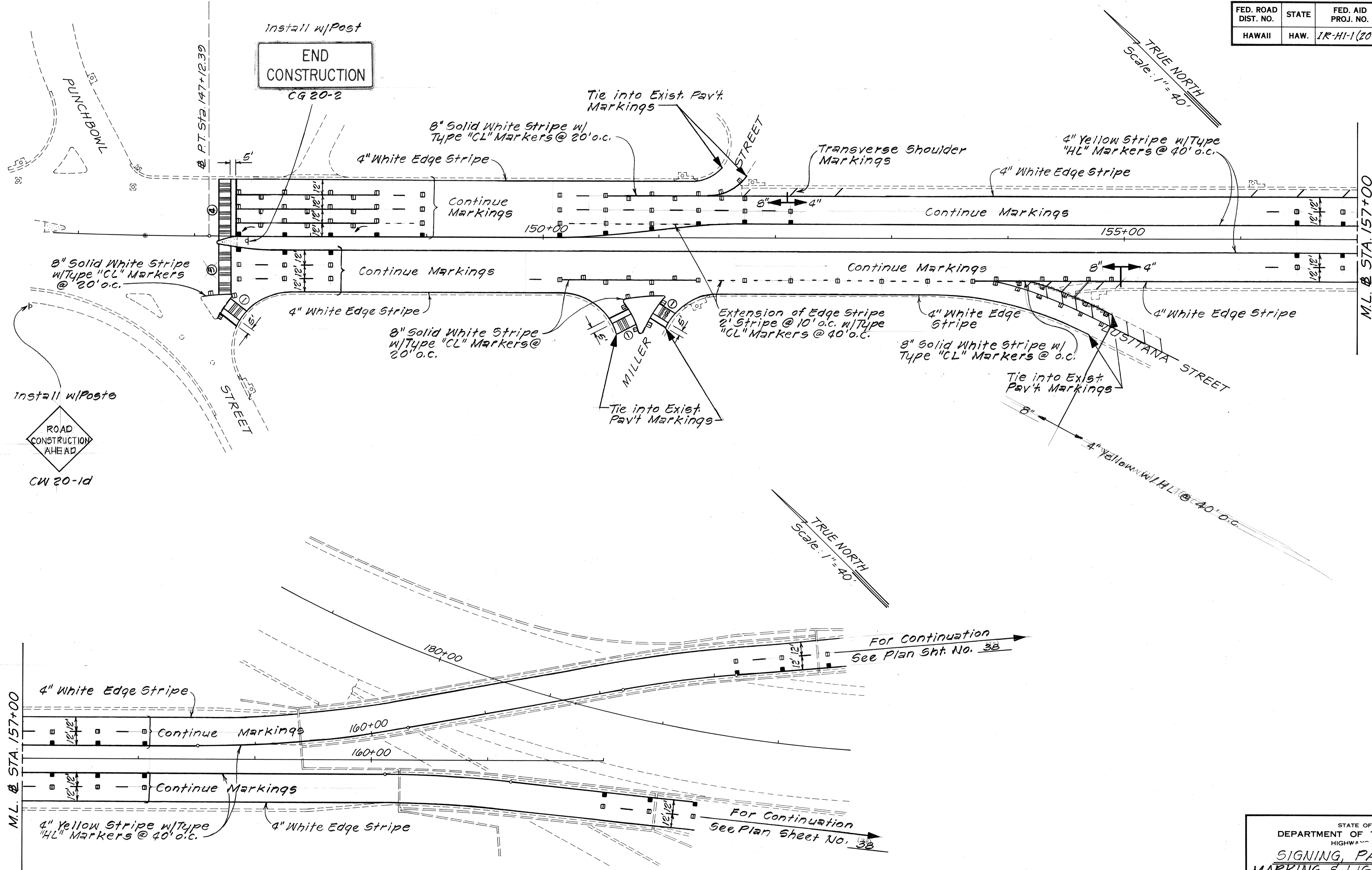
**SIGNING, PAVEMENT  
MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1" = 40' Date: May, 1987

SHEET No. T23 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1987	53	97



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

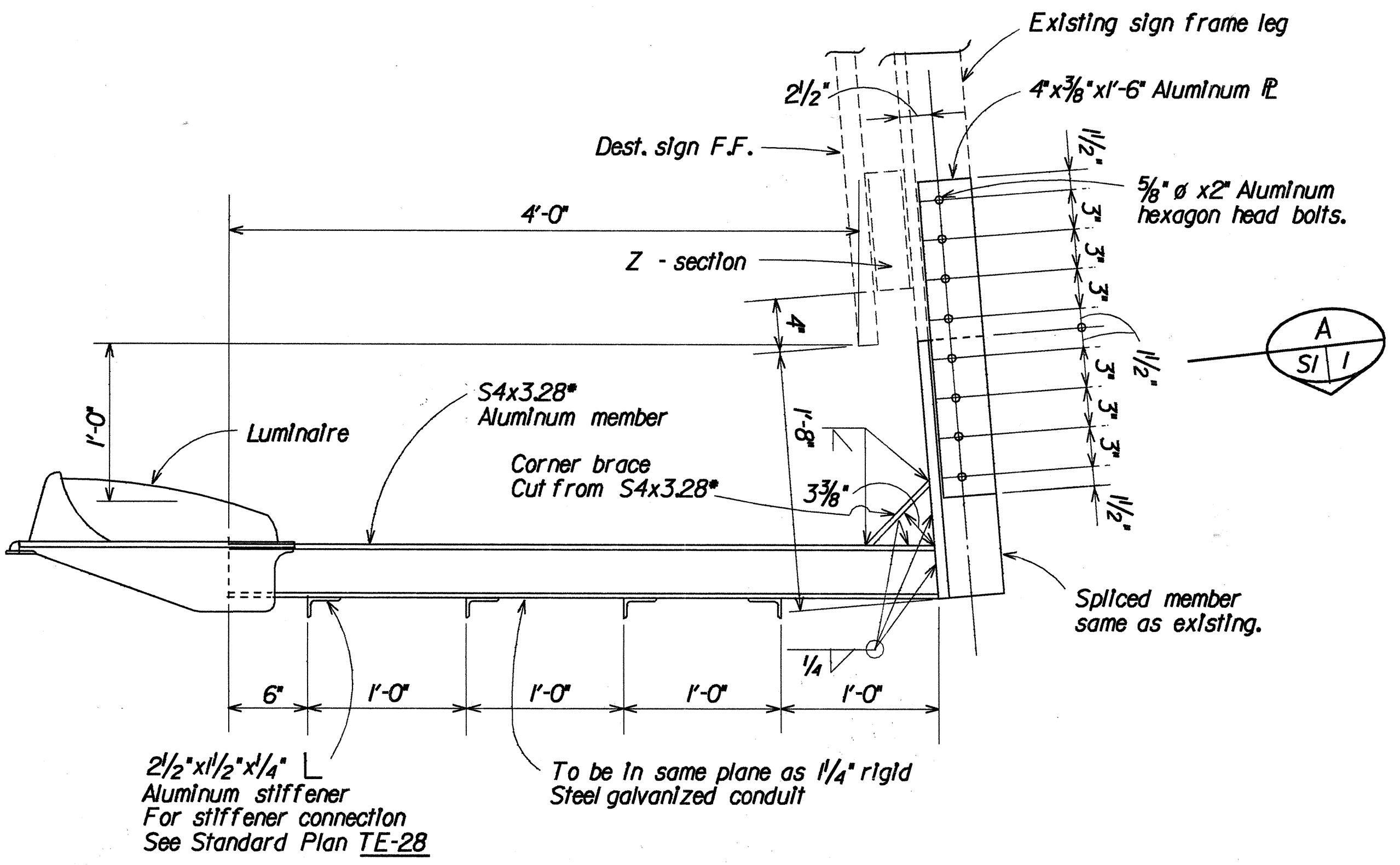
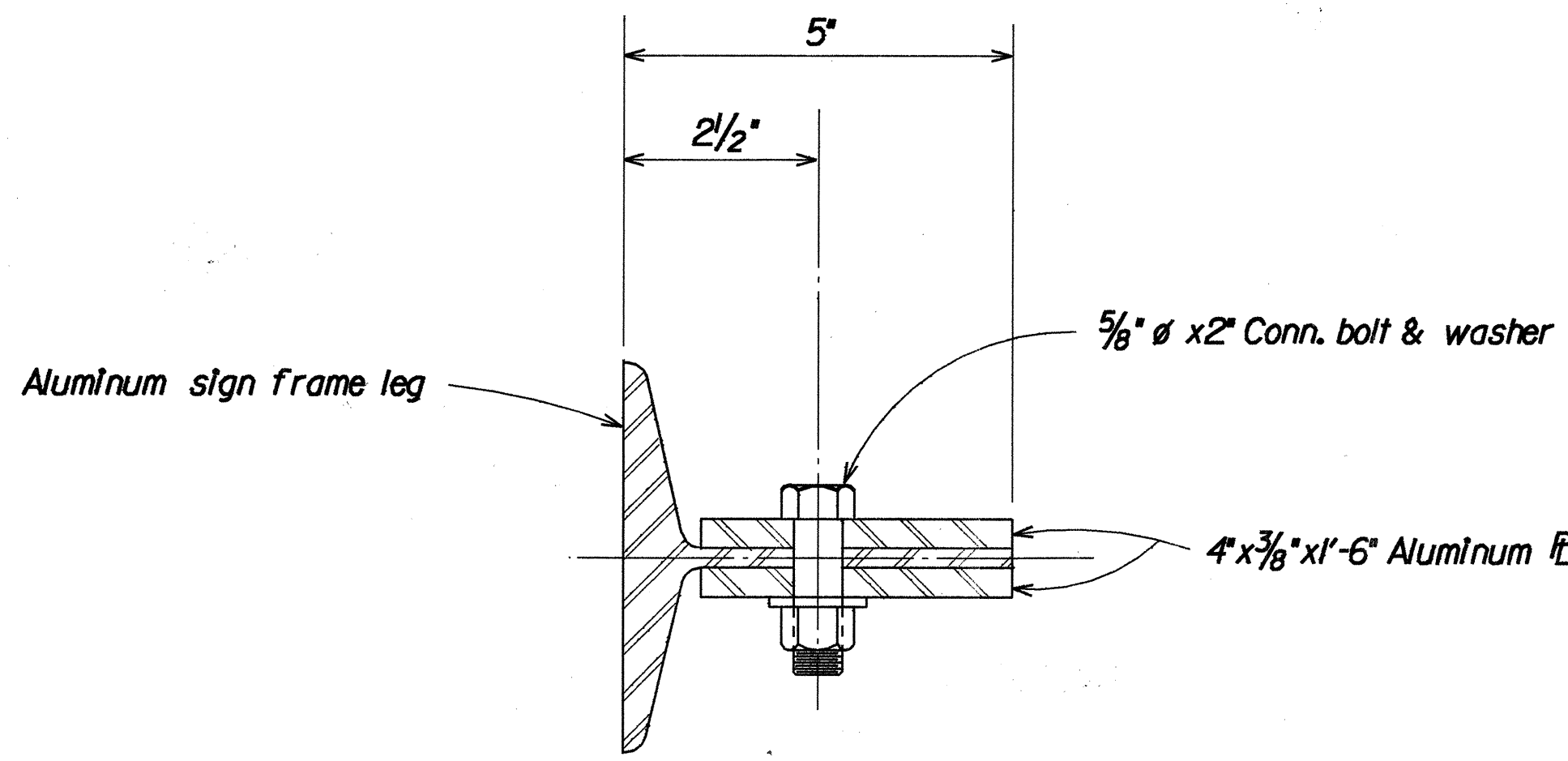
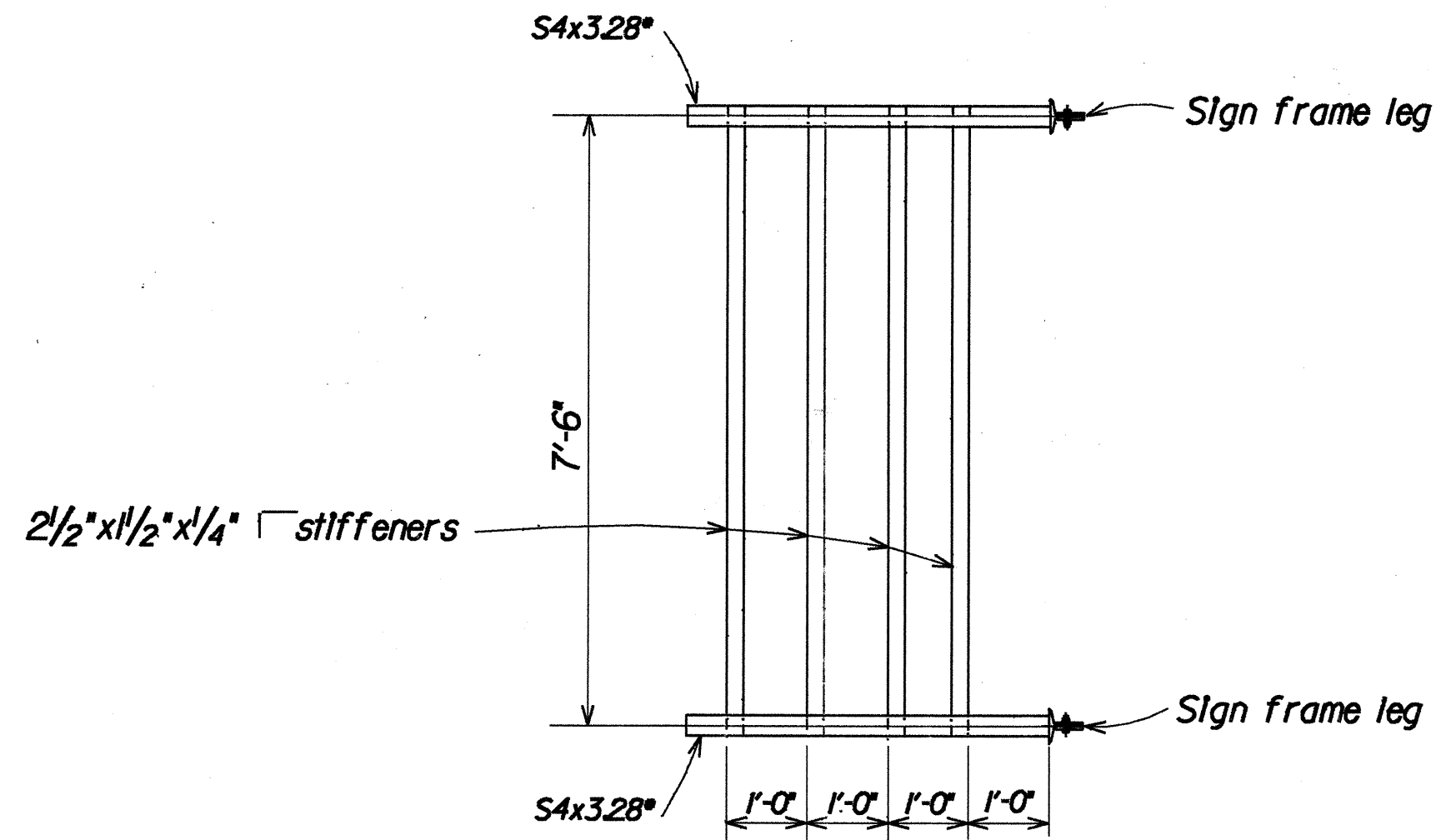
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING, PAVEMENT MARKING & LIGHTING PLAN**

INTERSTATE RTE. H-1 RESURFACING  
Middle Street to Ainakoa Avenue  
F.A.I. PROJ. No. IR-HI-1(204)

Scale: 1" = 40' Date: May, 1987  
SHEET No. 24 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1204	1988	T24 S-1	27



- NOTE:
1. See State of Hawaii D.O.T. Standard Plan Sit. TE-28 for details of luminaire mountings.
  2. Aluminum member's shall be used except as otherwise noted.
  3. Sign frame leg and stiffener members shall be Alloy 6061-T6.
  4. All methods & workmanship shall conform to the latest practice of AASHTO/AWS welding code.

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

**EXPRESSWAY SIGN DETAILS**

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**EXPRESSWAY SIGN DETAILS**  
MILLER STREET PEDESTRIAN OVERCROSSING  
INTERSTATE ROUTE HI RESURFACING & SAFETY  
IMPROVEMENTS, MIDDLE STREET TO AINA KOA AVENUE  
F.A.I. PROJ. NO. 1R-HI-1204

Scale: As Shown Date: June 1986

EXPRESSWAY SIGN SUMMARY

EXIT NUMBER PANEL SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(204)	1987	54	97

TYPE	LOCATION	MESSAGE	SIZE	OVERLAY AREA(S.F.)	SIGN LUMINAIRE
E-101	Sta. 61+00 R	Vineyard Blvd 1/2, Pali Hwy 1/2, Punchbowl St 1/2	19'-6" x 8'-6"	165.75	
E-102	Sta. 71+35 L	Houghtailing Street ↗	19'-6" x 8'-0"	156.00	2 EA.
E-103	"	ⓐ NORTH, Likelike Hwy, EXIT ↓ ONLY	16'-6" x 9'-6"	156.75	2 EA.
E-104	Sta. 83+40 R	ⓐ Pali Hwy, 1 Mi	12'-6" x 9'-6"	118.75	
E-105	"	ⓑ EAST, Vineyard Blvd, EXIT ↓ ONLY	18'-0" x 9'-6"	171.00	2 EA.
E-106	Sta. 85+45 L	Houghtailing St 1/4, Likelike Hwy 3/4, Middle St 1/4	20'-0" x 8'-6"	170.00	2 EA.
E-107	Sta. 103+30 L	Palama St ↗	17'-0" x 6'-0"	102.00	2 EA.
E-108	"	Houghtailing St, 1/2 Mi	20'-0" x 6'-0"	120.00	2 EA.
E-109	Sta. 112+65 L	Palama St, NEXT RIGHT	13'-6" x 6'-6"	87.75	2 EA.
E-110	Sta. 124+00 R	Pali Hwy 1/4, Punchbowl St 1/2, Kinou St 1	18'-6" x 8'-6"	157.25	2 EA.
E-111	Sta. 125+00 L	Palama St 1/2, Houghtailing St 1, Likelike Hwy 1/2	20'-0" x 8'-6"	170.00	2 EA.
E-112	Sta. 135+80 R	Punchbowl St, 1/4 Mi.	17'-0" x 6'-0"	102.00	
E-113	"	ⓐ Pali Hwy ↗	12'-0" x 10'-6"	126.00	
E-114	Sta. 136+60 L	School Street ↗	9'-6" x 9'-6"	90.25	
E-115	"	Palama St, 3/4 Mi	13'-6" x 6'-6"	87.75	
E-116	RAMP D Sta. 10+25 (Pali Hwy OFF-Ramp)	ⓐ NORTH, Kailua ↓	11'-0" x 10'-0"	110.00	
E-117	"	ⓑ SOUTH, Downtown ↓	13'-0" x 10'-0"	130.00	
E-118	Sta. 143+90 R	Kinou St, NEXT RIGHT	13'-0" x 9'-6"	123.50	
E-119	"	Punchbowl Street ↗	13'-6" x 9'-6"	128.25	
E-120	Sta. 146+05 L	ⓐ WEST, Freeway ↓	11'-0" x 10'-0"	110.00	
E-121	Sta. 148+50 L	ⓑ NORTH, Pali Hwy ↓	12'-0" x 10'-0"	120.00	
E-122	Ramp B Sta. 11+20	ⓐ EAST, Freeway ↓	11'-0" x 10'-0"	110.00	
E-123	"	Lusitana Street ↓	10'-0" x 8'-6"	85.00	
E-124	"	Punchbowl Street ↓	11'-6" x 8'-6"	97.75	
E-125	Sta. 167+20 L	ⓐ NORTH, Pali Hwy ↗	12'-6" x 9'-6"	118.75	2 EA.
E-126	"	School Street, 1/2 Mi	13'-0" x 9'-6"	123.50	2 EA.
E-127	Sta. 170+00 R	Kinou St, EXIT ↓ ONLY	12'-0" x 6'-6"	78.00	
E-128	Sta. 172+70 L	ⓐ NORTH, Pali Hwy ↗	12'-6" x 9'-6"	118.75	2 EA.
E-129	Sta. 176+90 R	PUNAHOU ST, 1/4 Mi	15'-0" x 6'-6"	97.50	2 EA.
E-130	"	KINAU ST, EXIT ↓ ONLY	12'-0" x 6'-6"	78.00	2 EA.
E-131	Sta. 183+25 L	Pali Hwy 1/4, School St 3/4, Palama St 1/2	16'-0" x 7'-6"	120.00	2 EA.
E-132	Sta. 192+45 L	ⓑ WEST, Vineyard Blvd, EXIT ONLY ↓	18'-0" x 9'-6"	171.00	2 EA.
E-133	"	ⓐ NORTH, Pali Hwy, 1/2 Mi	13'-0" x 9'-6"	123.50	2 EA.
E-134	"	Thru Traffic ↓ ↓	16'-0" x 9'-6"	152.00	2 EA.
E-135	Sta. 201+20 L	Vineyard Blvd 1/4, Pali Hwy 3/4, School St 1/4	18'-6" x 8'-6"	157.25	2 EA.
E-136	Sta. 228+20 R	Punahou St, EXIT ↓ ONLY	15'-0" x 6'-6"	97.50	
E-137	Sta. 229+75 L	Lunalilo Street, EXIT ↓ ONLY	11'-0" x 9'-6"	104.50	
E-138	"	ⓑ WEST, Vineyard Blvd, 3/4 Mi	18'-0" x 9'-6"	171.00	
E-139	Sta. 234+00 R	Bingham St 1/2 Mi.	15'-0" x 6'-6"	97.50	
E-140	"	Punahou St, EXIT ↓ ONLY	15'-0" x 6'-6"	97.50	
E-141	Sta. 269+60 R	Bingham St ↗	15'-0" x 7'-0"	105.00	
E-142	Sta. 280+00 R	University Ave, NEXT RIGHT	18'-6" x 6'-0"	111.00	
E-143	Sta. 9+00 L	Wilder Ave, EXIT ↓ ONLY	14'-0" x 7'-0"	98.00	
E-144	Sta. 12+50	Wilder Ave, NEXT RIGHT	14'-0" x 6'-0"	84.00	
E-145	Sta. 13+50 R	University Ave, ↗	18'-6" x 7'-0"	129.50	
E-146	Sta. 21+00 R	King Street, NEXT RIGHT	14'-0" x 6'-0"	84.00	
E-147	Waialae O.B. Frontage Rd.	Waialae Ave ↓	8'-6" x 8'-6"	72.25	
E-148	"	ⓐ EAST, Freeway ↓	9'-0" x 8'-6"	76.50	
TOTAL				5662.25	38

INSTALLED ABOVE SIGN NO.	MESSAGE	OVERLAY AREA (S.F.)
E-102	EXIT 20B	19.00
E-103	EXIT 20A	19.00
E-104	EXIT 21A	19.00
E-105	EXIT 20	15.00
E-107	EXIT 20C	19.00
E-108	EXIT 20B	19.00
E-109	EXIT 20C	19.00
E-112	EXIT 21B	19.00
E-113	EXIT 21A	19.00
E-114	EXIT 21A	19.00
E-115	EXIT 20B	19.00
E-118	EXIT 22A	19.00
E-119	EXIT 21B	19.00
E-125	EXIT 21B	19.00
E-126	EXIT 21A	19.00
E-127	EXIT 22	15.00
E-128	EXIT 21B	19.00
E-129	EXIT 23	15.00
E-130	EXIT 22	15.00
E-132	EXIT 22	15.00
E-133	EXIT 21B	19.00
E-136	EXIT 23	15.00
E-137	EXIT 23	15.00
E-138	EXIT 22	15.00
E-139	EXIT 24A	19.00
E-140	EXIT 23	15.00
E-141	EXIT 24A	19.00
E-142	EXIT 24B	19.00
E-143	EXIT 24A	19.00
E-144	EXIT 24A	19.00
E-145	EXIT 24B	19.00
E-146	EXIT 25A	19.00
TOTAL		572.00

DESTINATION SIGN SUMMARY

TYPE	LOCATION	MESSAGE	SIZE	OVERLAY AREA (S.F.) W/O POST	NEW PANEL (S.F.) W/POST
D-1	Gore @ Vineyard Blvd On-Ramp & Halona St	ⓐ WEST, ↗ FREEWAY	7'-6" x 4'-6"	33.75	
D-2	RAMPS B & F GORE	WEST NORTH Lunalilo Frwy ↗ ⓐ Pali Hwy	7'-6" x 4'-6"	33.75	
D-3	Sta. 256+00 L	ⓐ WEST, Freeway →	7'-6" x 4'-6"	33.75	
D-4	University I.C.	↗ HONOLULU, WILDER AVE ↗	4'-2" x 1'-10"		7.64
D-5	"	↗ MOILIILI, HONOLULU ↗	4'-2" x 1'-10"		7.64
D-6	"	↗ MANOA, HONOLULU ↗	4'-2" x 1'-10"		7.64
D-7	"	ON RAMP HONOLULU, 500 FT. →	9'-7" x 2'-5"		23.16
TOTAL				101.25	46.08

DIRECTIONAL SIGN SUMMARY

TYPE	LOCATION	MESSAGE	SIZE	OVERLAY AREA (S.F.)
DIR-1	Sta. 164+80 L	EXIT 21B ↗	7'-6" x 5'-0"	37.50
DIR-2	Sta. 180+00 R	EXIT 22 ↗	6'-0" x 5'-0"	30.00
DIR-3	Sta. 187+15 L	EXIT 22 ↗	6'-0" x 5'-0"	30.00
DIR-4	Sta. 224+60 L	EXIT 23 ↗	6'-0" x 5'-0"	30.00
DIR-5	Sta. 240+70 R	EXIT 23 ↗	6'-0" x 5'-0"	30.00
DIR-6	Sta. 269+00 R	EXIT 24A ↗	7'-6" x 5'-0"	37.50
DIR-7	Sta. 280+70 L	EXIT 24A ↗	7'-6" x 5'-0"	37.50
DIR-8	Sta. 18+70 L	EXIT 24B ↗	7'-6" x 5'-0"	37.50
DIR-9	Sta. 18+92 R	EXIT 24B ↗	7'-6" x 5'-0"	37.50
DIR-10	Sta. 33+80 R	EXIT 25A ↗	7'-6" x 5'-0"	37.50
TOTAL				395.00

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

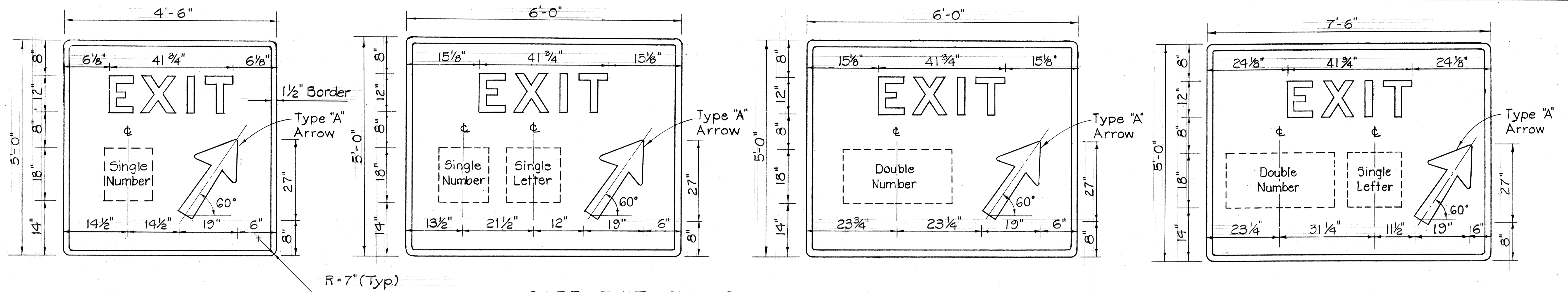
**MISCELLANEOUS SUMMARIES**

INTERSTATE RTE. H-1 RESURFACING  
MIDDLE ST. TO AINA KOA AVE.  
F.A.I. PROJ. NO. 1R-HI-1(204)  
Date: May 1987

6/18/87	Revised Expressway Sign Summary, per Addendum No. 1
DATE	REVISION

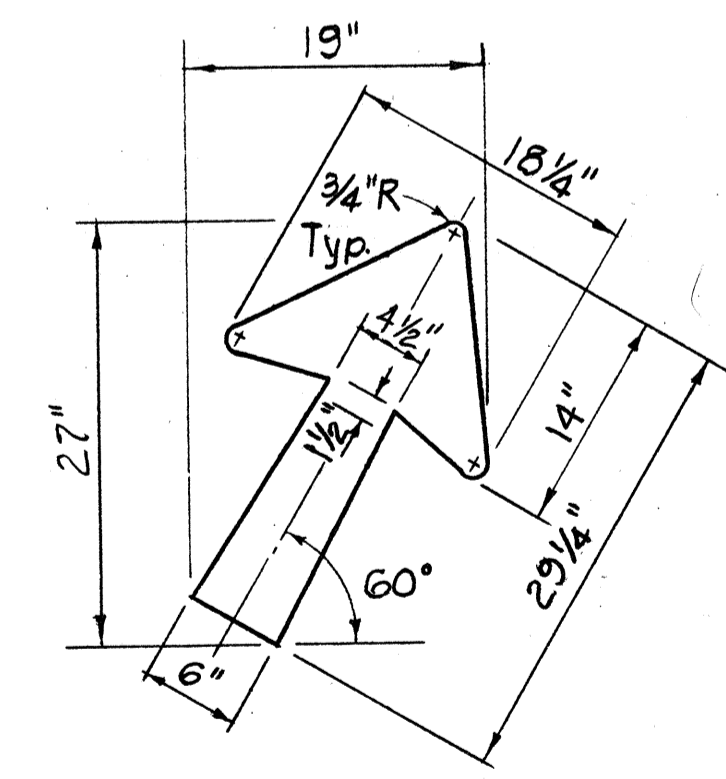
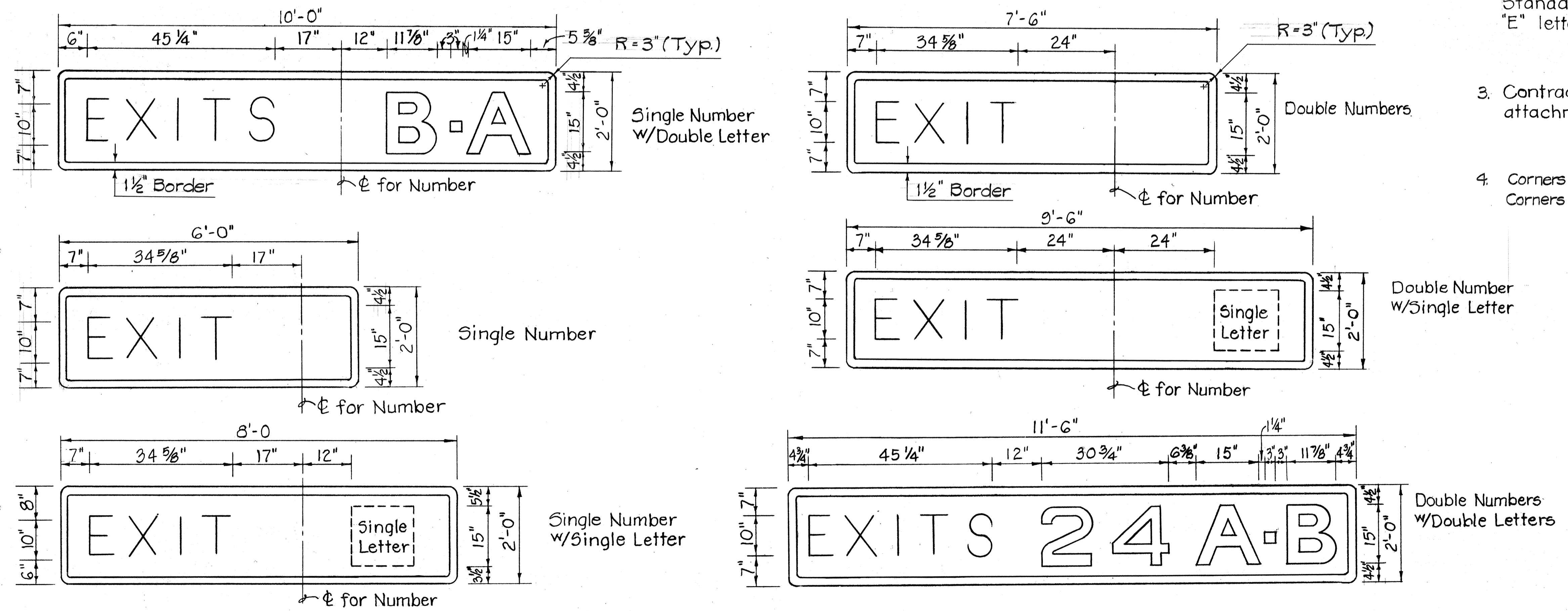


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-41-(204)	1987	56	97



**GORE EXIT SIGNS**  
Scale: N.T.S.

- Exit Number Panel Backing may be either extruded or laminated aluminum panels. The face of each Exit Number Panel shall be in line with the face of the Sign panel to which it will be attached.
- Sign message shall be lettered in uppercase according to Standard Alphabets for Highway Signs, FHWA, 1966. Use Series "E" letters unless otherwise noted.
- Contractor shall submit for approval, shop drawings for the attachment of Exit Number Panels to Sign Panels.
- Corners of Gore Exit Signs shall be trimmed along the border. Corners of Exit Number Panels need not be trimmed.



**EXIT NUMBER PANELS**  
Scale: N.T.S.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL EXIT NUMBER  
SIGN PANEL LAYOUT**

DATE: \_\_\_\_\_  
SURVEY PLOTTED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
NOTE BOOK NO. \_\_\_\_\_