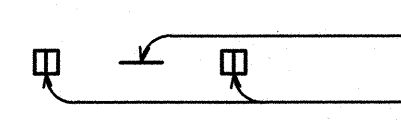
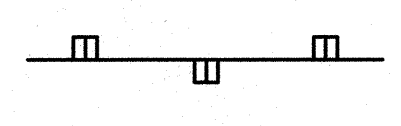
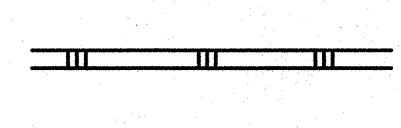
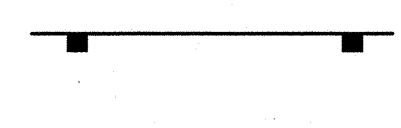
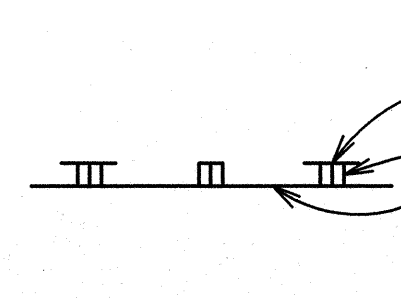
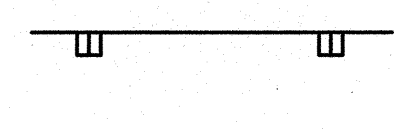
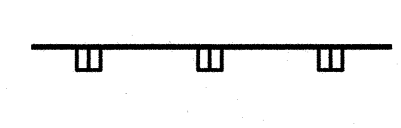
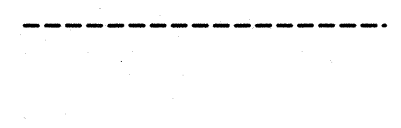
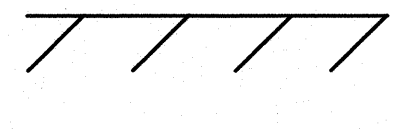
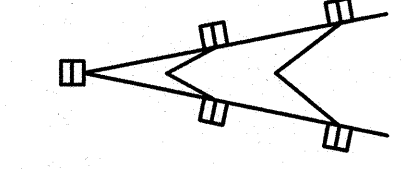




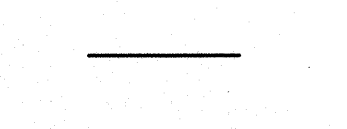
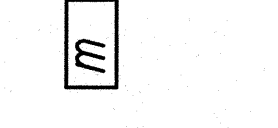






FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	110	382

**LEGEND:**

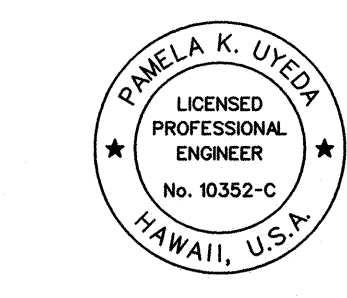
-  4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid White with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  Lane Change Restriction Marking  
4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 20'-0" o.c.  
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  8" White Edge Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type III or Thermoplastic Extrusion)
-  STOP
-  Lane Drop Marking  
See Std. Detail TE-28
-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. (Tape, Type III or Thermoplastic Extrusion)
-  Portable Message Board
-  Relocated License Plate Reader (LPR) Camera
-  Existing License Plate Reader (LPR) Camera
-  Spot Speed Sensor
-  Loop Detectors

**NOTES:**

1. Layout of pavement markings and striping shall be done by the Contractor and accepted by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as ordered by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be accepted by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise ordered by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be accepted by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as accepted by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs placed as indicated on the plans or as ordered by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 - Work Zone Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean, and deliver the signs and posts to the Oahu District Baseyard, or as ordered by the Engineer, upon the completion of the project.

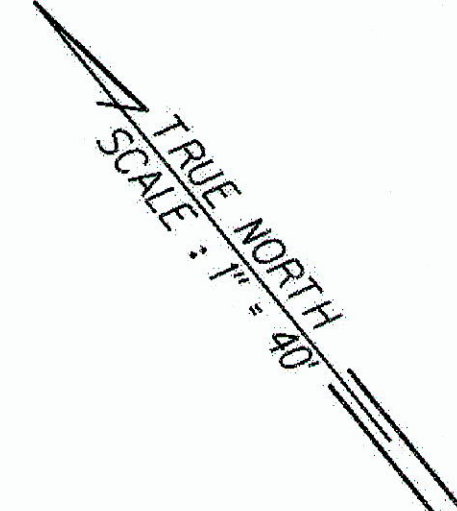
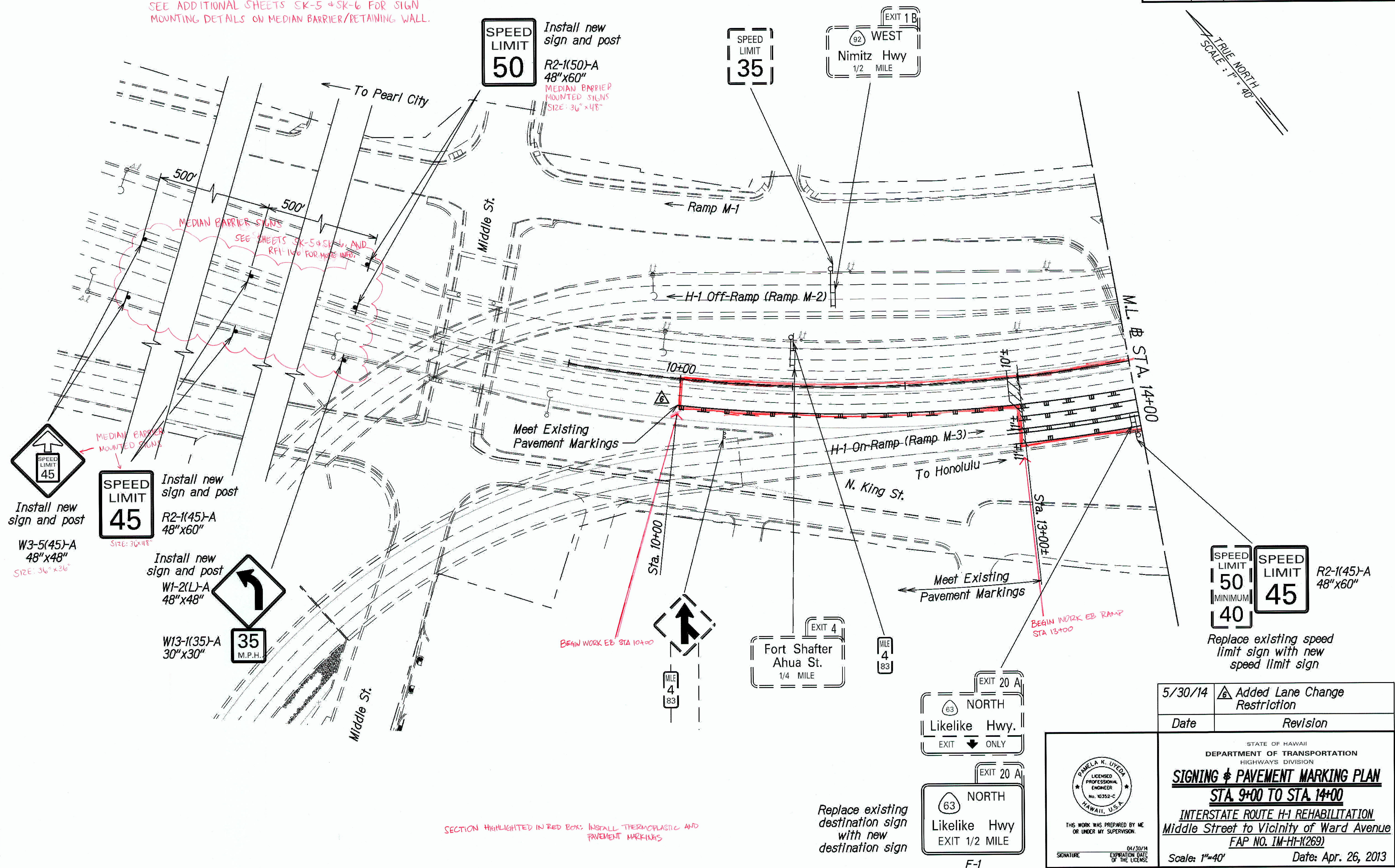
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
DATE	

T:\16469A\1010 PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\05 SIGN\SIGN\_NOTES.dgn

 <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>P. Uyeda</i> 04/30/14 SIGNATURE EXPIRATION DATE OF THE LICENSE</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><b>SIGNING AND PAVEMENT MARKING</b></p> <p><b>NOTES AND LEGEND</b></p> <p>INTERSTATE ROUTE H-1 REHABILITATION Middle Street to Vicinity of Ward Avenue FAP NO. IM-HI-1(269)</p>
	<p>Scale: None Date: Apr. 26, 2013</p>
	<p>SHEET No. P-01 OF 24 SHEETS</p>
	<p>110</p>

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	C.O. 111	382

PER RFI 166, FOR SIGN CHANGES ON SHEETS CO 111, 112, +128, SEE ADDITIONAL SHEETS SK-5 + SK-6 FOR SIGN MOUNTING DETAILS ON MEDIAN BARRIER/RETAINING WALL.



Install new sign and post  
W3-5(45)-A  
48"x48"  
SIZE: 36"x36"

Install new sign and post  
SPEED LIMIT 45  
R2-1(45)-A  
48"x60"  
SIZE: 36"x48"

Install new sign and post  
W1-2(L)-A  
48"x48"

W13-1(35)-A  
30"x30"

Install new sign and post  
SPEED LIMIT 50  
R2-1(50)-A  
48"x60"  
MEDIAN BARRIER MOUNTED SIGNS  
SIZE: 36"x48"

SPEED LIMIT 35

EXIT 1 B  
WEST  
Nimitz Hwy  
1/2 MILE

SPEED LIMIT 50  
MINIMUM 40  
SPEED LIMIT 45  
R2-1(45)-A  
48"x60"

Replace existing speed limit sign with new speed limit sign

5/30/14	Added Lane Change Restriction
Date	Revision

PAMELA K. UYEDA  
LICENSED PROFESSIONAL ENGINEER  
No. 10352-C  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

04/30/14  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 9+00 TO STA. 14+00**  
**INTERSTATE ROUTE H-1 REHABILITATION**  
**Middle Street to Vicinity of Ward Avenue**  
**FAP NO. IM-HI-1(269)**

Scale: 1"=40' Date: Apr. 26, 2013

Replace existing destination sign with new destination sign

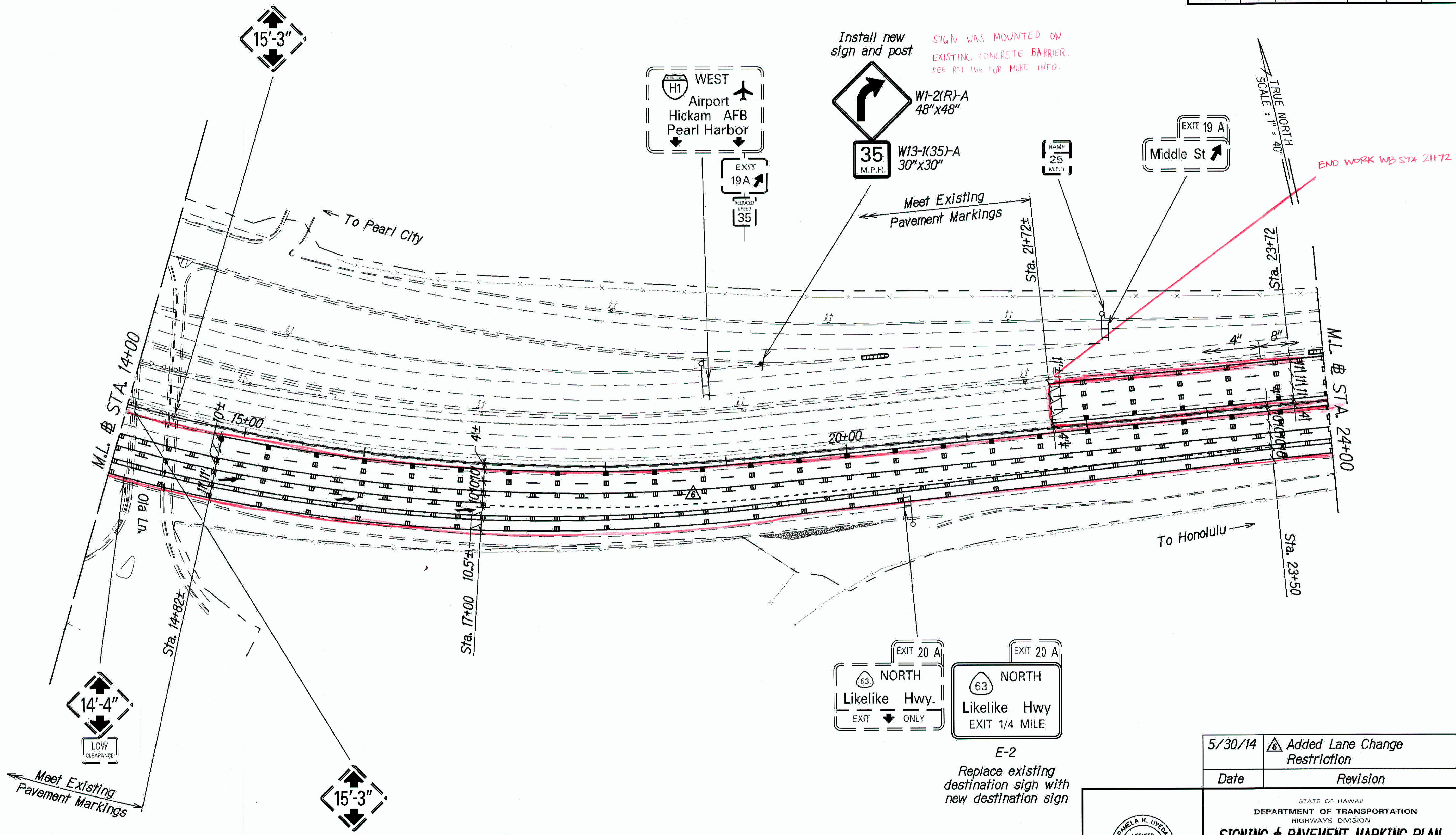
EXIT 20 A  
63 NORTH  
Likelike Hwy.  
EXIT ONLY

EXIT 20 A  
63 NORTH  
Likelike Hwy  
EXIT 1/2 MILE

"AS-BUILT"

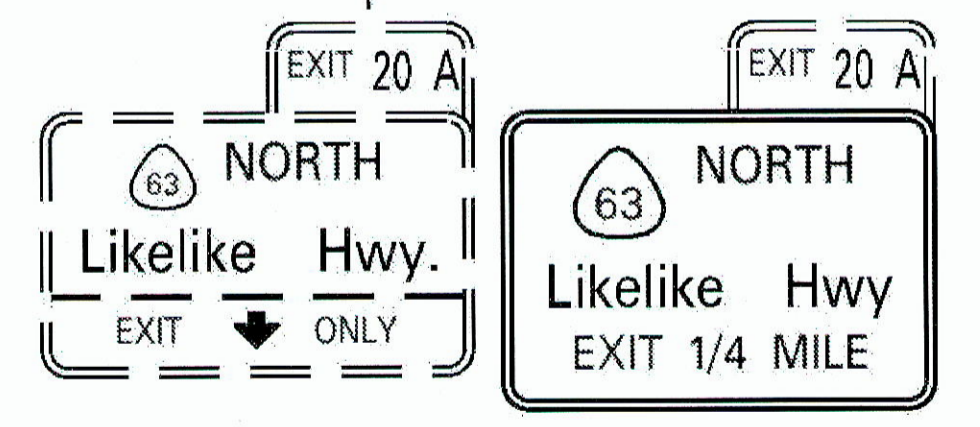
T: 716459A IDIQ PAVMT PREVENTIVE MAINTENANCE/HI-MIDDLE TO WARD-VICINITY OF WARD AVENUE SHEETS/SIGN/P-02.dgn

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	C.O. 112	382



Install new sign and post  
 SIGN WAS MOUNTED ON EXISTING CONCRETE BARRIER. SEE RFI 166 FOR MORE INFO.

END WORK WB STA 21+72



E-2  
 Replace existing destination sign with new destination sign

SECTION HIGHLIGHTED IN RED BOX: INSTALL THERMOPLASTIC AND PAVEMENT MARKINGS

5/30/14	Added Lane Change Restriction
Date	Revision

PANELA K. UYEDOK  
 LICENSED PROFESSIONAL ENGINEER  
 No. 10352-C  
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

DATE: 04/30/14  
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 14+00 TO STA. 24+00**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. IM-HI-1(269)

Scale: 1"=40' Date: Apr. 26, 2013

SHEET No. P-03 OF 24 SHEETS

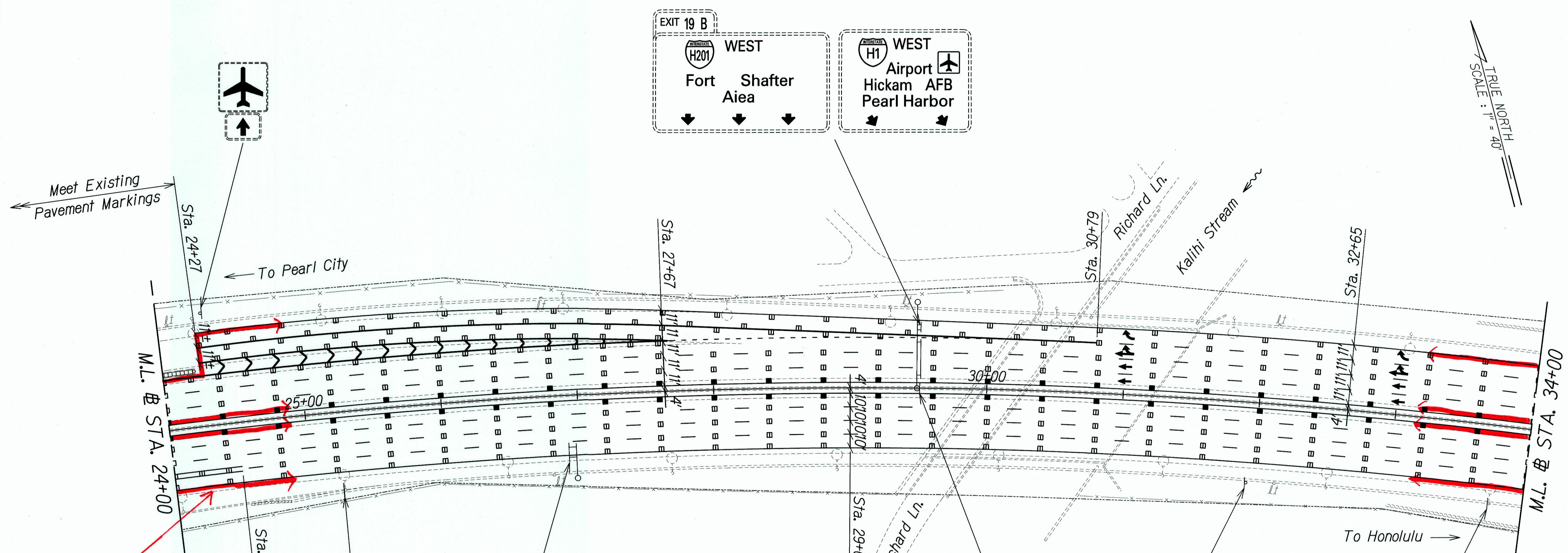
"AS-BUILT"

C.O. 112

JUN 16 2014

T:\16459A\_IDIQ\_PAVMT\_PREVENTIVE\_MAINTENANCE\HI\_MIDDLE\_TO\_WARD\_CADD\SHEETS\SIGN/P-03.dgn  
 SURVEY PROVIDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(269)	2013	C.O. 113	382



TRUE NORTH  
SCALE: 1" = 40'

Section Highlighted in Red Box:  
Install Thermoplastic and Pavement Markings

**TRUCKS & BUSES USE RIGHT LANE**  
R4-5a  
48"x66"  
Install new sign on exist SLP

EXIT 20 A  
63 NORTH  
Likelike Hwy.  
EXIT ONLY

EXIT 20 A  
63 NORTH  
Likelike Hwy

E-3  
Replace existing destination sign with new destination sign

LANES NARROWS  
40 M.P.H.  
Remove existing sign and post

SPEED LIMIT 50 MINIMUM 40  
SPEED LIMIT 45  
R2-1(45)-A  
48"x60"  
Replace existing speed limit sign with new speed limit sign

Bishop Museum NEXT EXIT

7/30/13	Added sign
Date	Revision

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
N.	

T:\16459A.IDIQ.PAVMT.PREVENTIVE.MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\SIGN\P-04.dgn

PAMELA K. UYEDA  
LICENSED PROFESSIONAL ENGINEER  
No. 10352-C  
HAWAII, U.S.A.  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
SIGNATURE: [Signature]  
EXPIRATION DATE OF THE LICENSE: 04/30/14

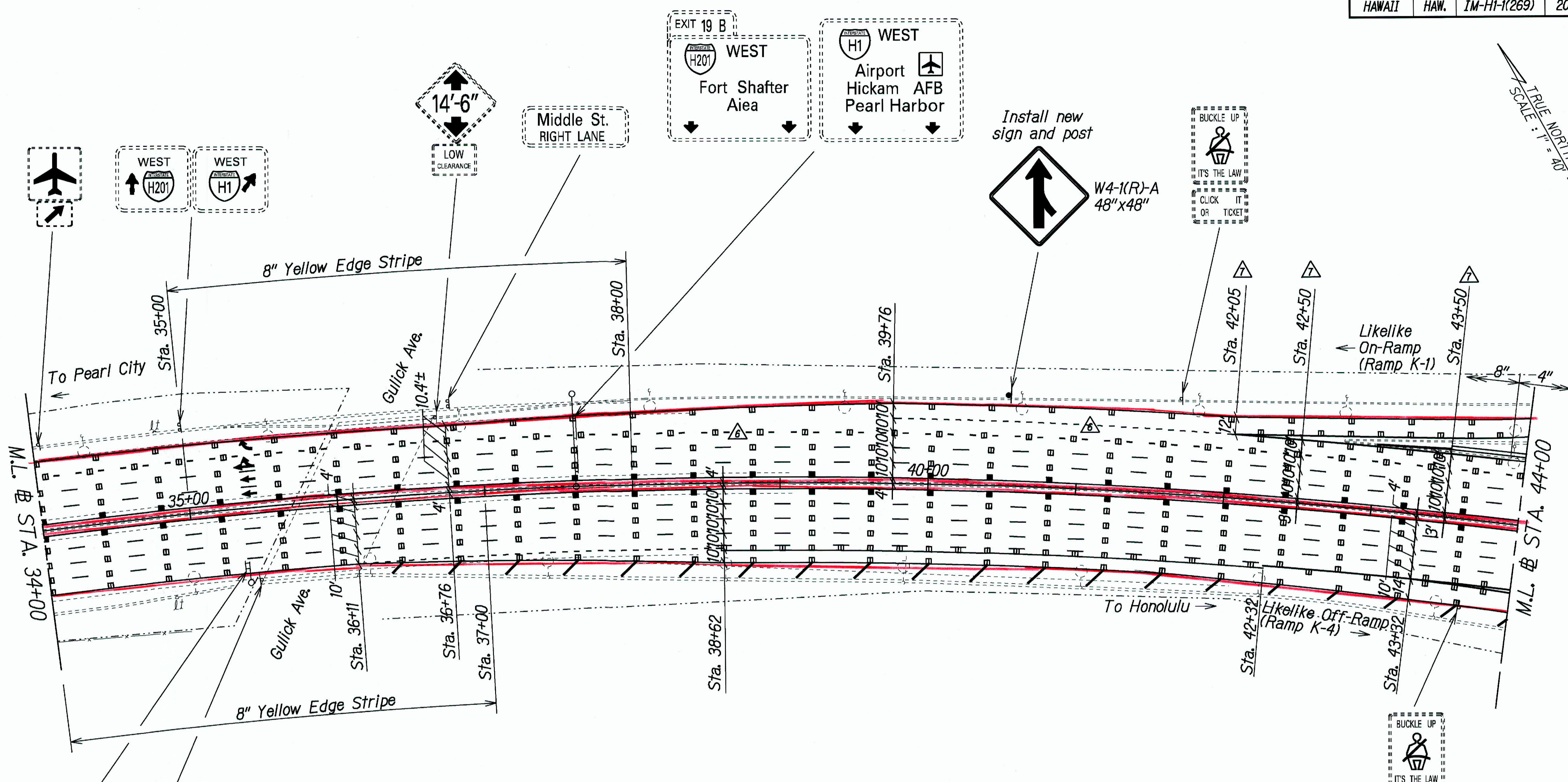
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 24+00 TO STA. 34+00**  
INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. 1M-HI-1(269)  
Scale: 1"=40' Date: Apr. 26, 2013

SHEET No. P-04 OF 24 SHEETS

"AS-BUILT"

C.O. 113

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(269)	2013	C.O. 114	382



TRUE NORTH  
SCALE: 1" = 40'

EXIT 20 A  
 NORTH  
 Likelike Hwy.  
 EXIT ONLY

14'-3"  
 LOW CLEARANCE

EXIT 20 A  
 NORTH  
 Likelike Hwy

E-4

Replace existing destination sign with new destination sign

Install new sign and post

W4-1(R)-A  
 48"x48"

BUCKLE UP  
 IT'S THE LAW  
 CLICK IT OR TICKET

Date	Revision
7/16/14	Revised Westbound Lanes (Sta. 39+76 to Sta. 45+00)
5/30/14	Added Lane Drop and Guide Line

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 34+00 TO STA. 44+00**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. IM-H1-1(269)

Scale: 1"=40'      Date: Apr. 26, 2013

SHEET No. P-05 OF 24 SHEETS

PAMELA K. UYEDA  
 LICENSED PROFESSIONAL ENGINEER  
 No. 10392-C  
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: \_\_\_\_\_ EXPIRATION DATE OF THE LICENSE: 04/30/16

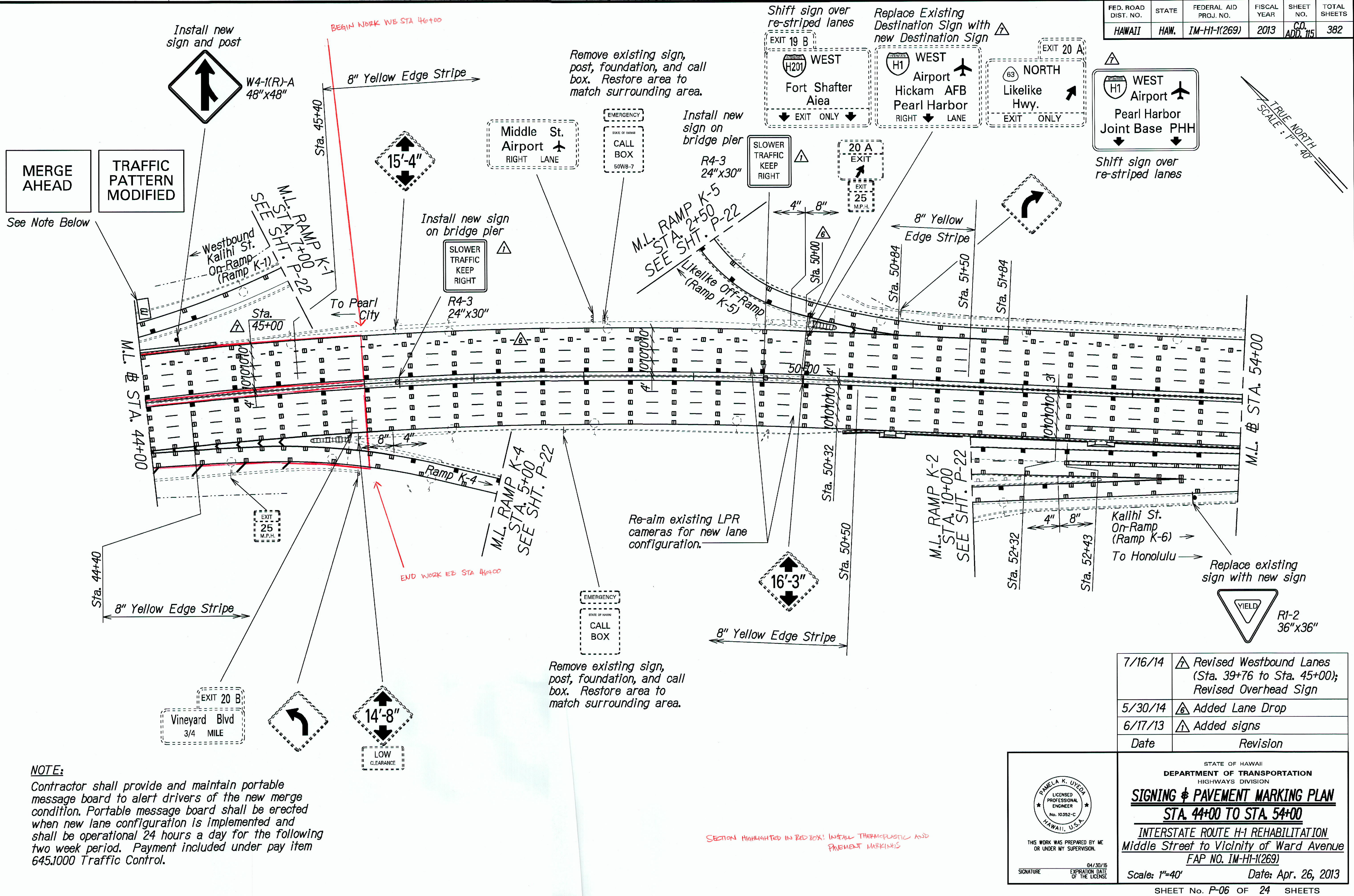
SECTION HIGHLIGHTED IN RED BOX: INSTALL THERMOPLASTIC AND PAVEMENT MARKINGS

"AS-BUILT"

C.O. 114 JUL 16 2014

T:\716459A.IDI.Q.PAVMT.PREVENTIVE MAINTENANCE\HLMIDDLE TO WARD\CADD\SHEETS\SIGN\P-05.dgn  
 DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 NO. \_\_\_\_\_

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	C.O. ADD. 115	382



Date	Revision
7/16/14	△ Revised Westbound Lanes (Sta. 39+76 to Sta. 45+00); Revised Overhead Sign
5/30/14	△ Added Lane Drop
6/17/13	△ Added signs

**NOTE:**  
Contractor shall provide and maintain portable message board to alert drivers of the new merge condition. Portable message board shall be erected when new lane configuration is implemented and shall be operational 24 hours a day for the following two week period. Payment included under pay item 645.1000 Traffic Control.

PAMELA K. UYEDA  
LICENSED PROFESSIONAL ENGINEER  
No. 10392-C  
HAWAII, U.S.A.  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
SIGNATURE: \_\_\_\_\_ EXPIRATION DATE OF LICENSE: 04/30/15

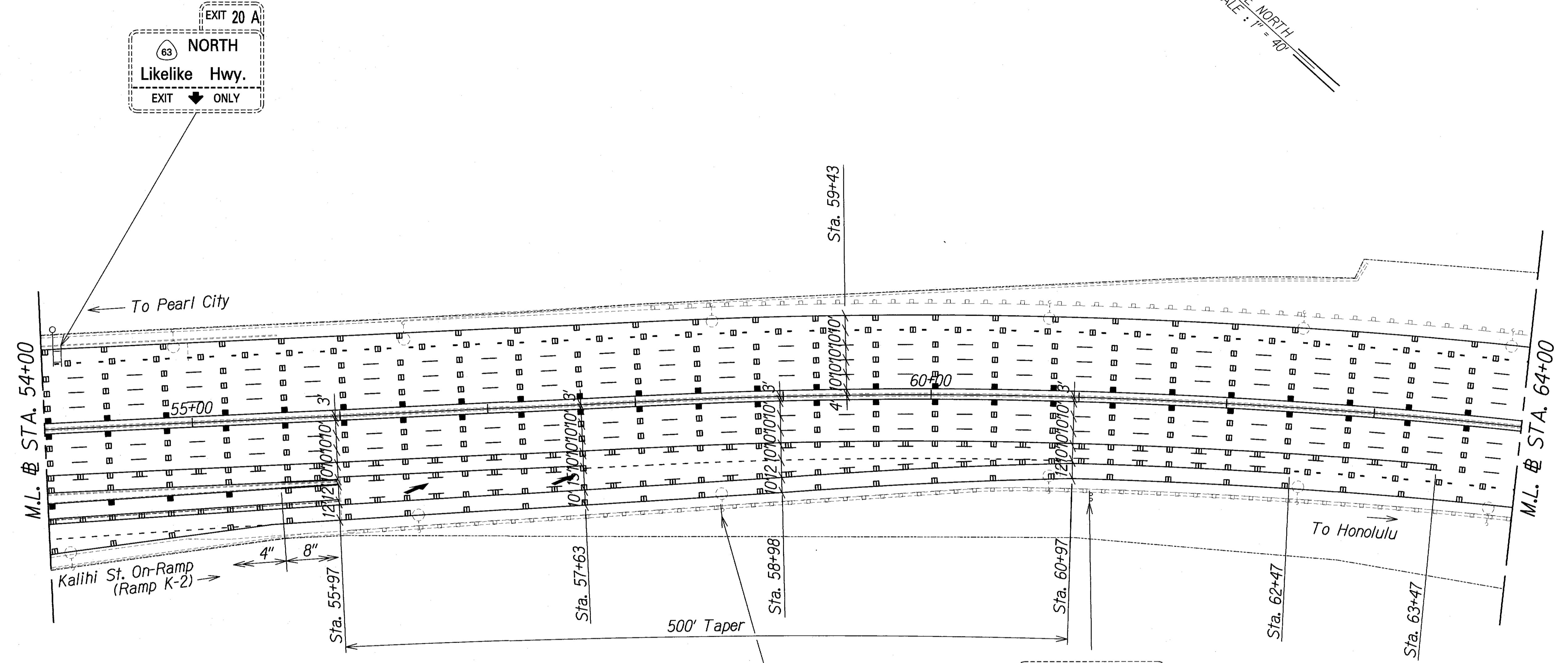
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 44+00 TO STA. 54+00**  
INTERSTATE ROUTE HI REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. IM-HI-1(269)  
Scale: 1"=40' Date: Apr. 26, 2013

"AS-BUILT"

T:\16459A IDIG PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\SIGN\P-06.dgn

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-K(269)	2013	116	382

TRUE NORTH  
SCALE: 1"=40'



Relocate existing sign assembly on new SLP

Vineyard Blvd.	1/2
Pali Hwy.	1 1/2
Punchbowl St.	1 1/2

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

T:\16459A IDIQ PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\SIGN\P-07.dgn

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*P. Ueda*  
SIGNATURE

04/30/14  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**

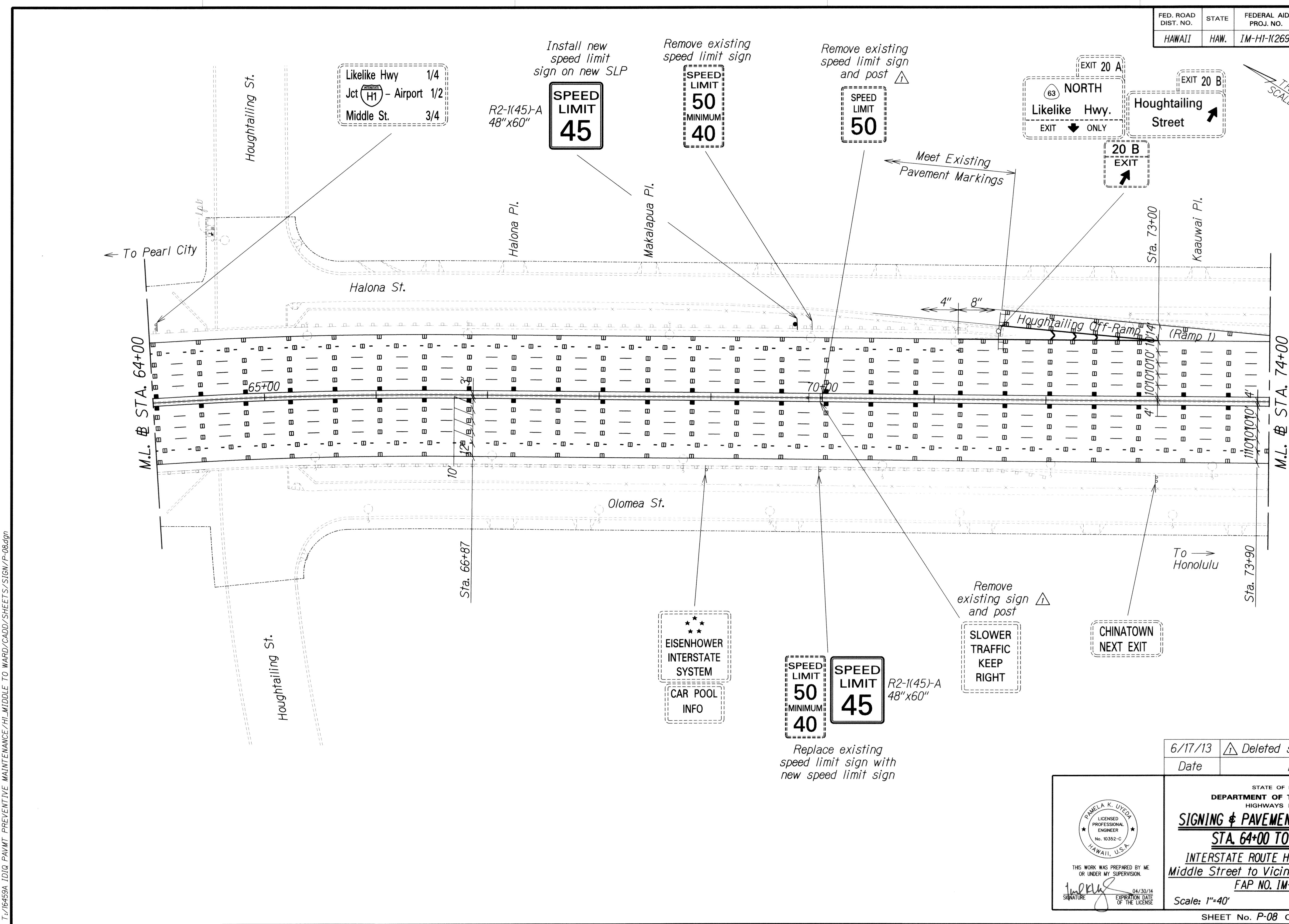
**STA. 54+00 TO STA. 64+00**

INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. 1M-HI-K(269)

Scale: 1"=40'      Date: Apr. 26, 2013

SHEET No. P-07 OF 24 SHEETS

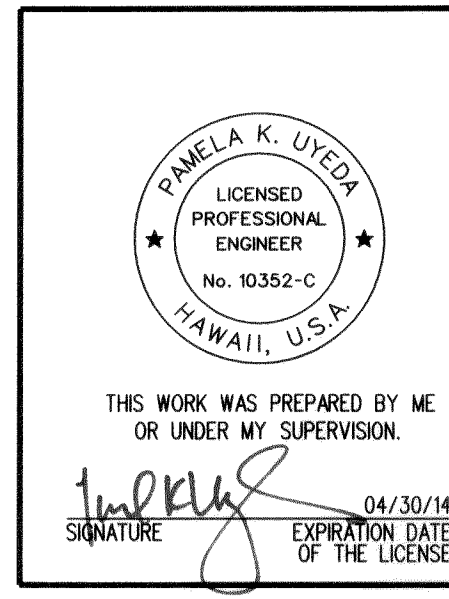
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(269)	2013	ADD. 117	382



DESIGNED BY	DATE
DRAWN BY	
NOTED BY	
CHECKED BY	

T:\16459A IDIQ PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\SIGN\P-08.dgn

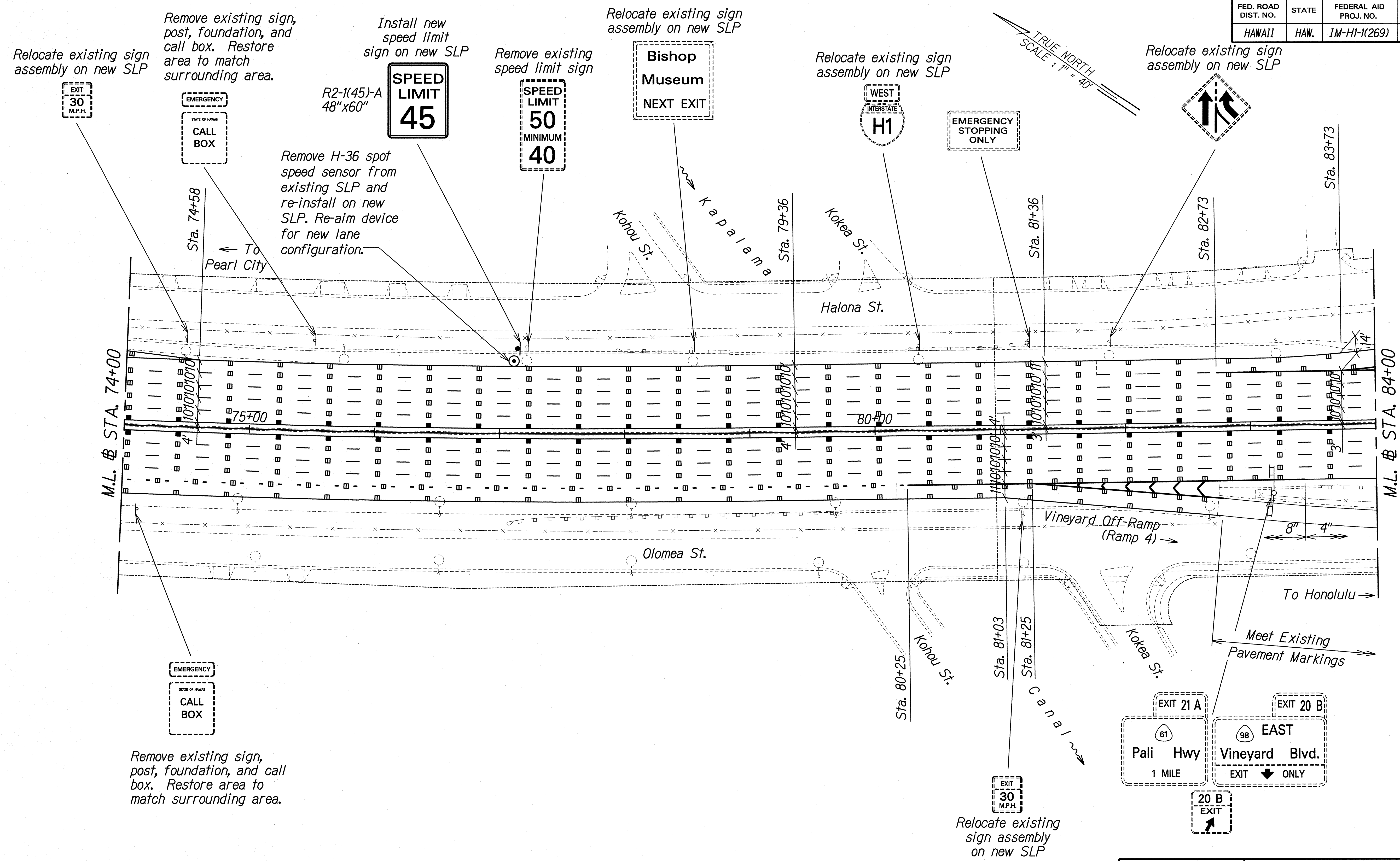
6/17/13	Deleted signs
Date	Revision



STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 64+00 TO STA. 74+00**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. 1M-HI-1(269)  
 Scale: 1"=40' Date: Apr. 26, 2013

SHEET No. P-08 OF 24 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	118	382



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	

T:\16459A.IDIQ.PAVMT.PREVENTIVE.MAINTENANCE\HI.MIDDLE.TO.WARD\CADD\SHEETS\SIGN\P-09.dgn

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*P. Uyeda*  
SIGNATURE

04/30/14  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**

**STA. 74+00 TO STA. 84+00**

INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. IM-HI-1(269)

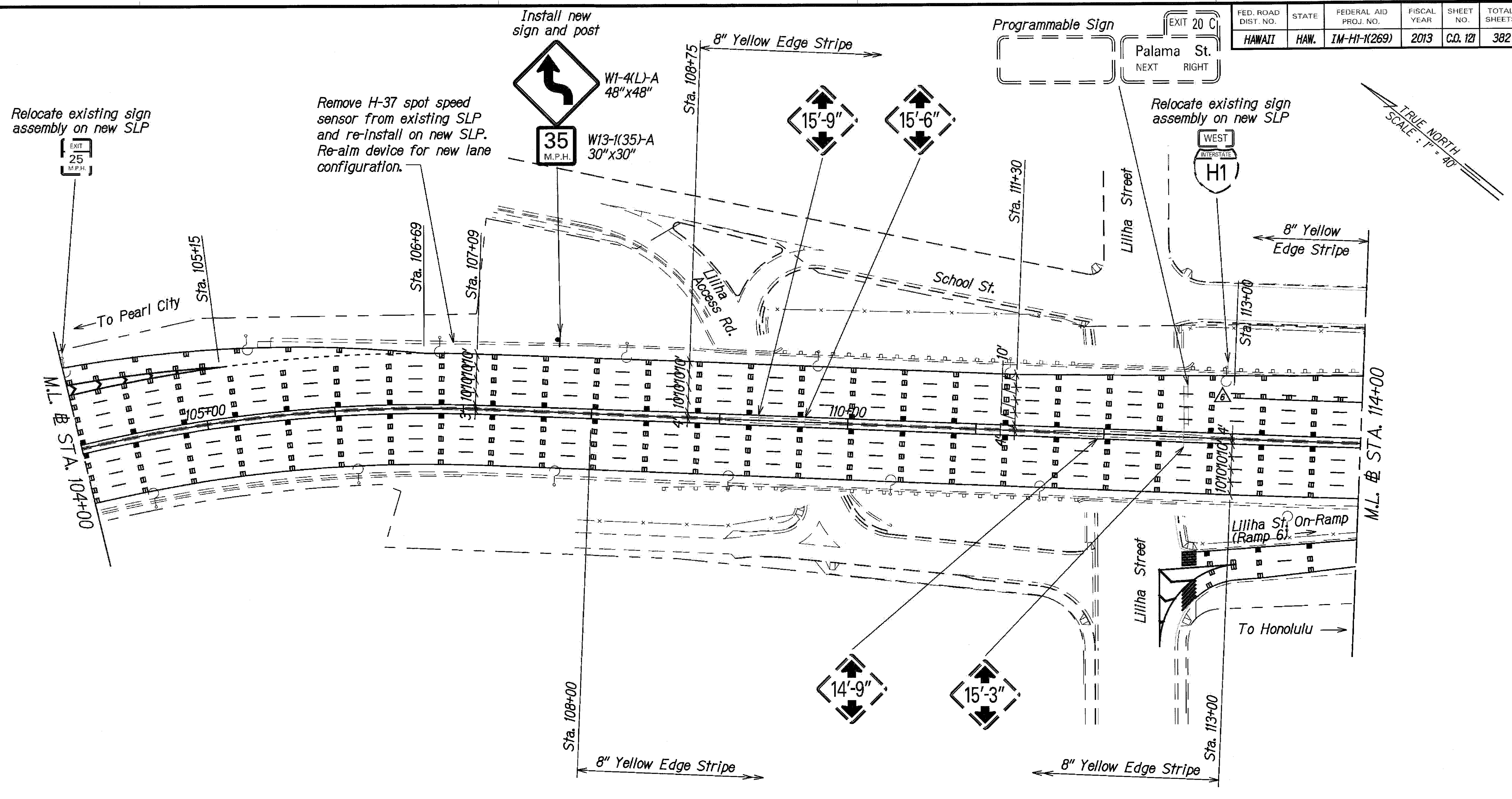
Scale: 1"=40'      Date: Apr. 26, 2013

SHEET No. P-09 OF 24 SHEETS





FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	C.O. 121	382



Relocate existing sign assembly on new SLP

Remove H-37 spot speed sensor from existing SLP and re-install on new SLP. Re-aim device for new lane configuration.

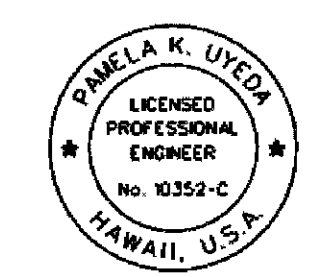
Install new sign and post

Programmable Sign

Relocate existing sign assembly on new SLP

TRUE NORTH  
SCALE: 1" = 40'

5/30/14	Added Lane Change Restriction
Date	Revision

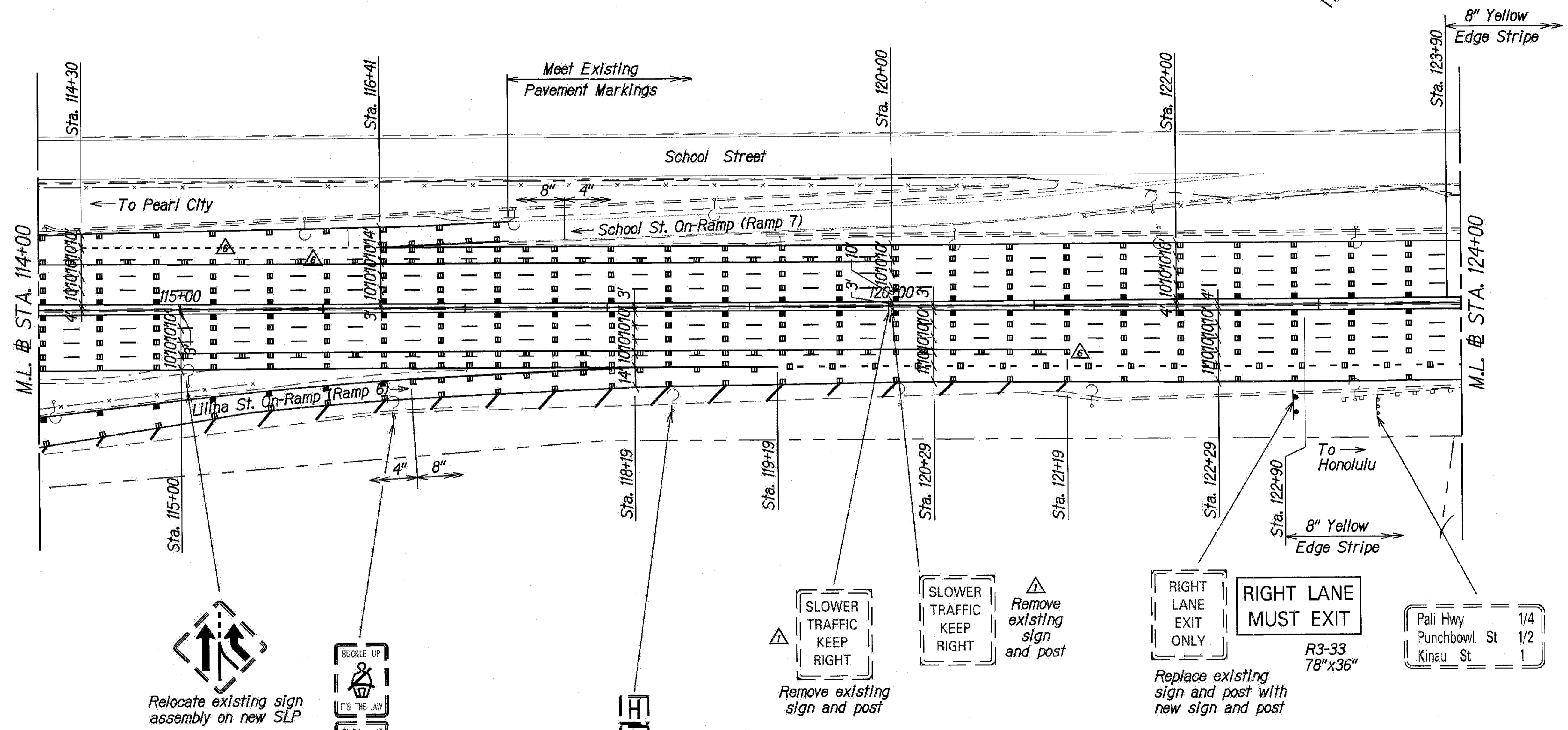
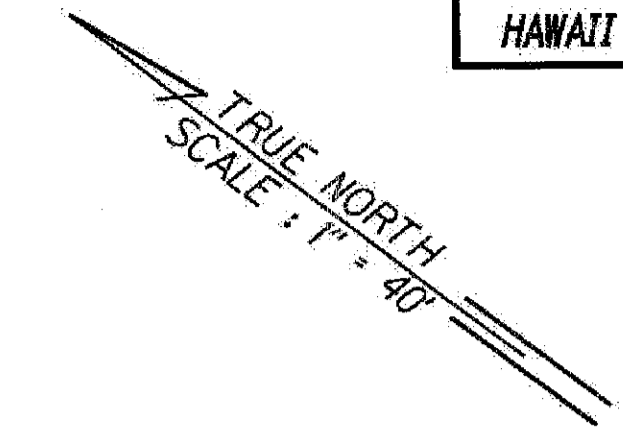
  
 LICENSED PROFESSIONAL ENGINEER  
 No. 10352-C  
 HAWAII, U.S.A.  
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 SIGNATURE: \_\_\_\_\_ EXPIRATION DATE OF THE LICENSE: 04/30/14

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 104+00 TO STA. 114+00**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. IM-HI-1(269)  
 Scale: 1"=40' Date: Apr. 26, 2013

SHEET No. P-12 OF 24 SHEETS

C.O. 121

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(269)	2013	C.O. ADD. 122	382



Relocate existing sign assembly on new SLP

Relocate existing sign assembly on new SLP

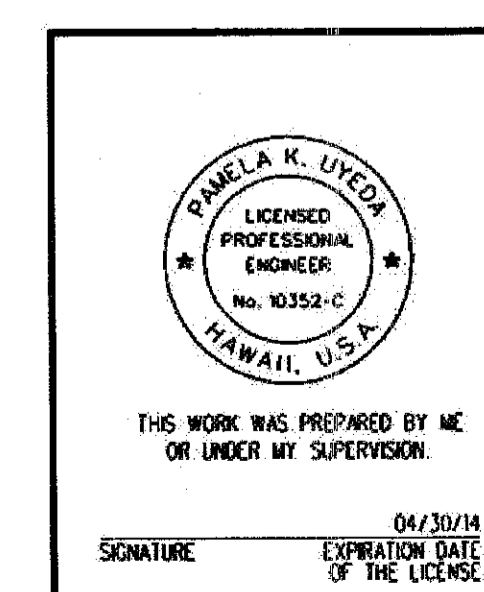
Relocate existing sign assembly on new SLP

Remove existing sign and post

Remove existing sign and post

Replace existing sign and post with new sign and post

5/30/14	Added Lane Change Restriction and Guide Line
6/17/13	Deleted signs
Date	Revision



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 114+00 TO STA. 124+00**  
INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. 1M-H1-K(269)  
Scale: 1"=40' Date: Apr. 26, 2013

SHEET No. P-13 OF 24 SHEETS

C.O. ADD. 122

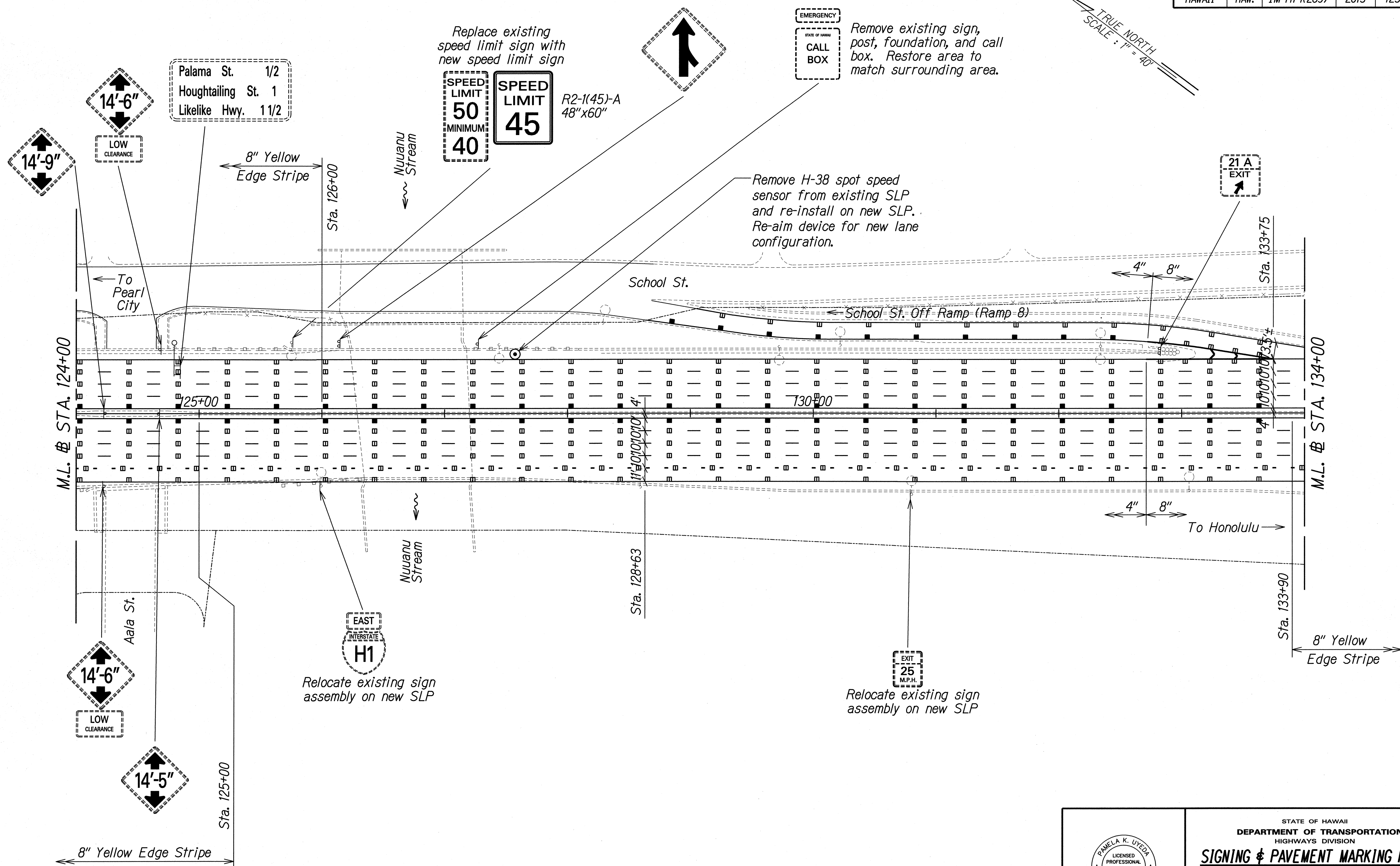
TRACED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 QUANTITIES BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 T. 716459A IDIQ PAINT PREVENTIVE MAINTENANCE/CHI MIDDLE TO WARD/CADD/SHEETS/SIGN/P-13.dgn

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	123	382

TRUE NORTH  
SCALE: 1" = 40'

T-16459A IDIQ PAVMT PREVENTIVE MAINTENANCE/HI MIDDLE TO WARD/CADD/SHEETS/SIGN/P-14.dgn

ORIGINAL PLAN	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	

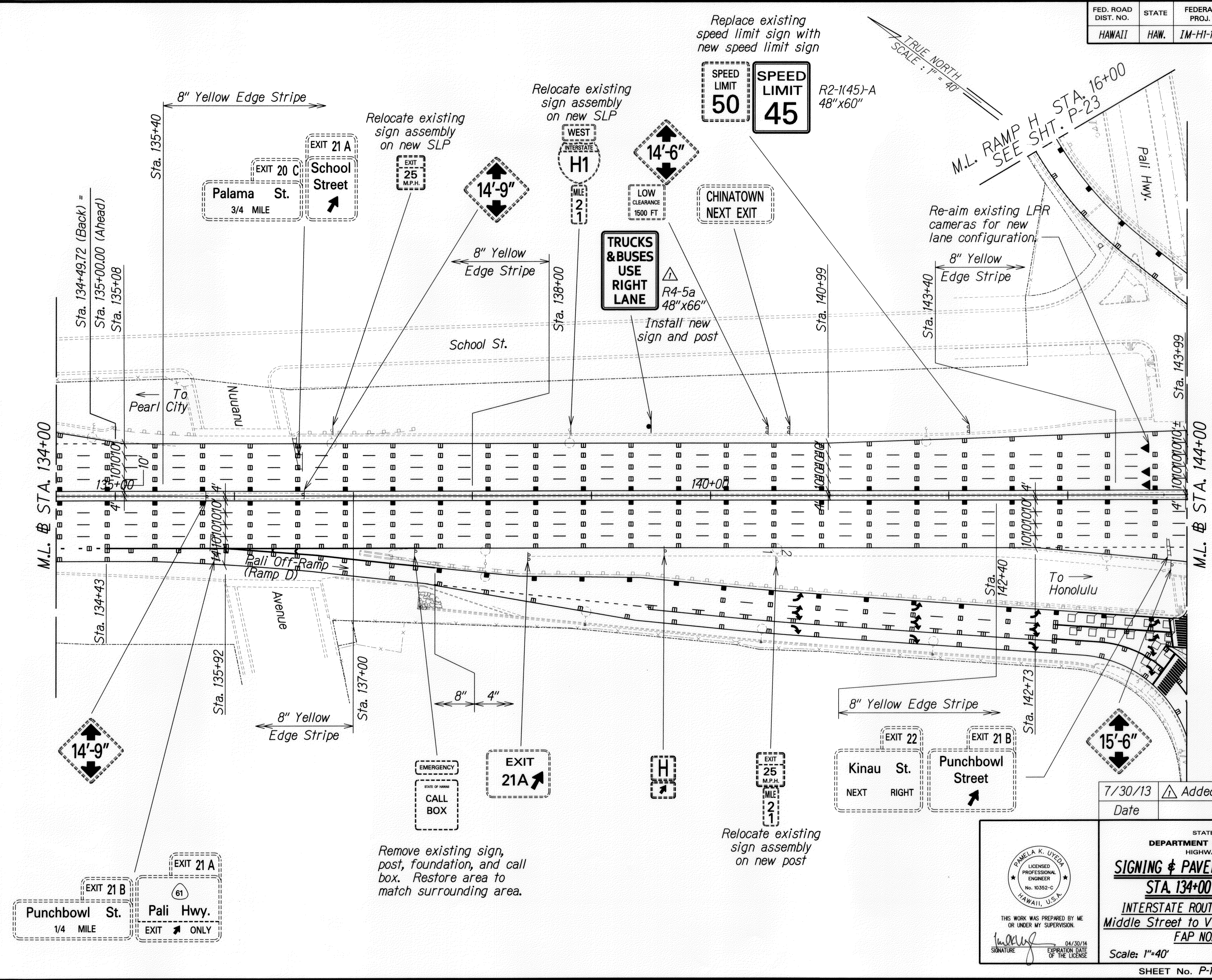


<p>PAMELA K. UYEDA LICENSED PROFESSIONAL ENGINEER No. 10352-C HAWAII, U.S.A.</p> <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>[Signature]</i> SIGNATURE</p> <p>04/30/14 EXPIRATION DATE OF THE LICENSE</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><b>SIGNING &amp; PAVEMENT MARKING PLAN</b></p> <p><b>STA. 124+00 TO STA. 134+00</b></p> <p>INTERSTATE ROUTE H-1 REHABILITATION Middle Street to Vicinity of Ward Avenue FAP NO. IM-HI-1(269)</p> <p>Scale: 1"=40'      Date: Apr. 26, 2013</p>
	<p>SHEET No. P-14 OF 24 SHEETS</p>
	<p>123</p>

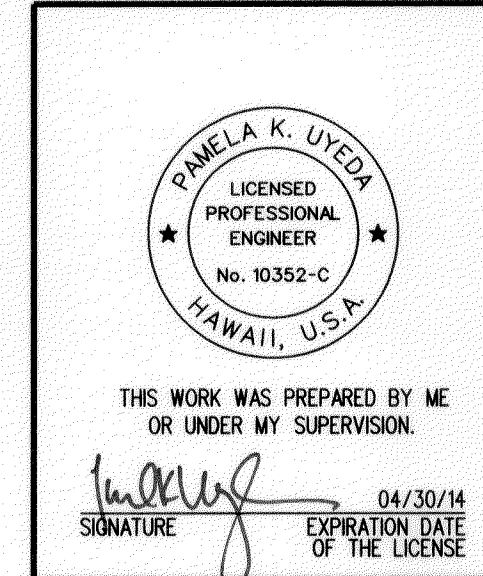
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(269)	2013	C.O. 124	382

T:\16459A\1010 PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\SIGN\P-15.dgn

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



7/30/13	Added sign
Date	Revision



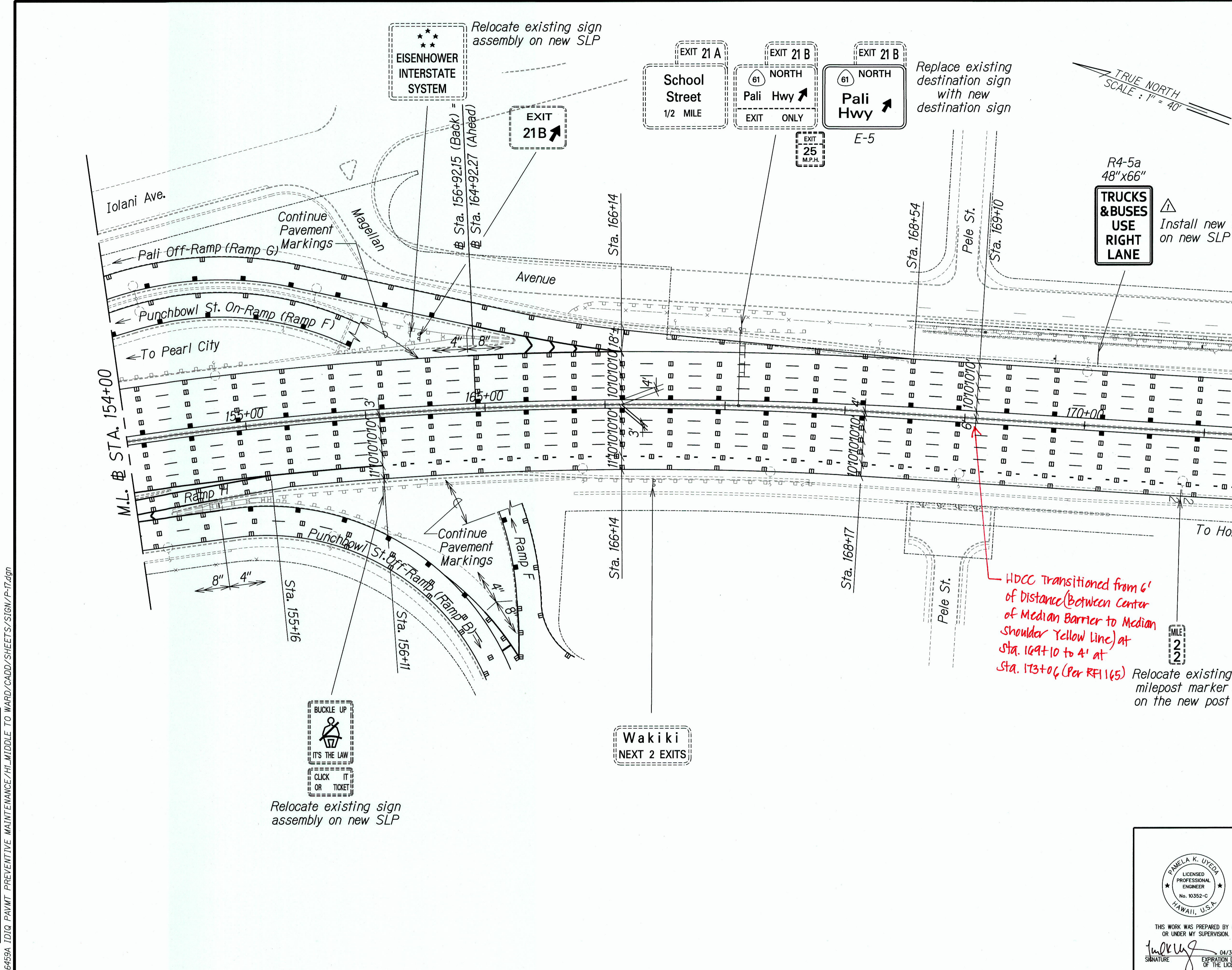
STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 134+00 TO STA. 144+00**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. 1M-HI-1(269)  
 Scale: 1"=40' Date: Apr. 26, 2013

SHEET No. P-15 OF 24 SHEETS

**C.O. 124**



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(269)	2013	C.O. 126	382



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
N <sub>o.</sub>	_____

T:\16459A\_IDIQ\_PAVMT\_PVENTIVE\_MAINTENANCE\HI\_MIDDLE TO WARD\CADD\SHEETS\SIGN\P-17.dgn

7/30/13	△ Added sign
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 SIGNATURE: *[Signature]* 04/30/14  
 EXPIRATION DATE OF THE LICENSE

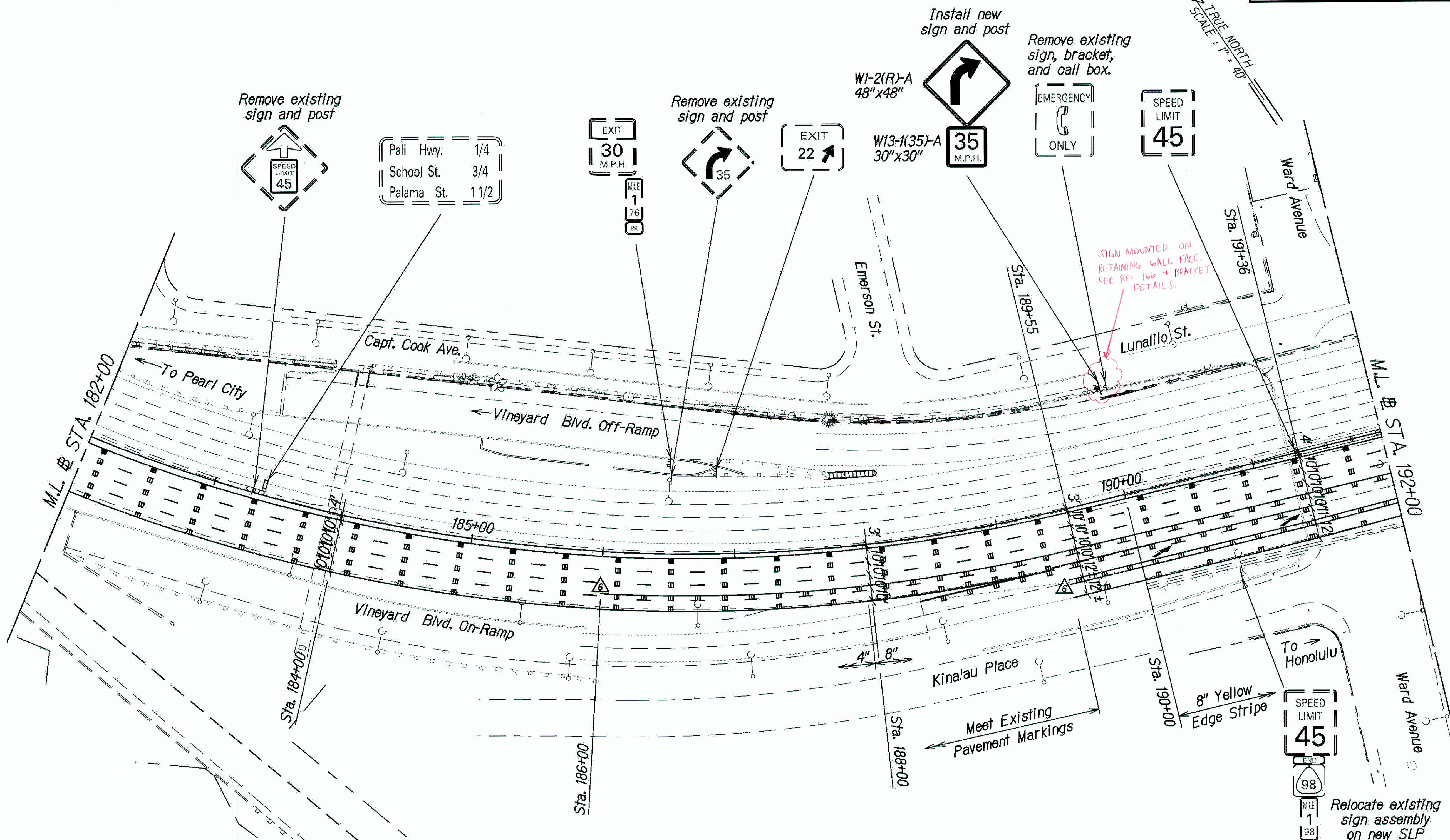
STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 154+00 TO STA. 172+00**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. 1M-HI-1(269)  
 Scale: 1"=40' Date: Apr. 26, 2013

"AS-BUILT"

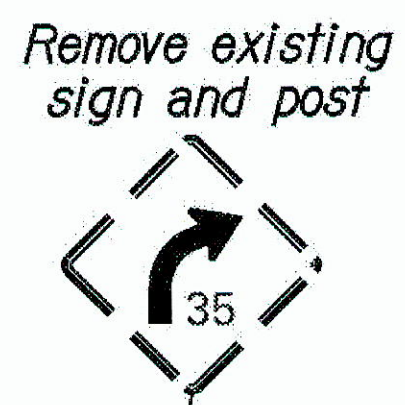
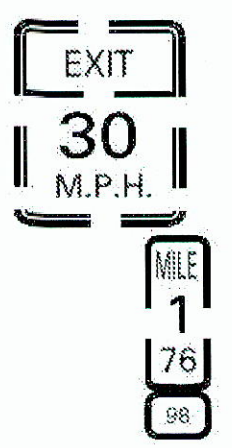


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	C.O. 128	382

TRUE NORTH  
SCALE: 1" = 40'

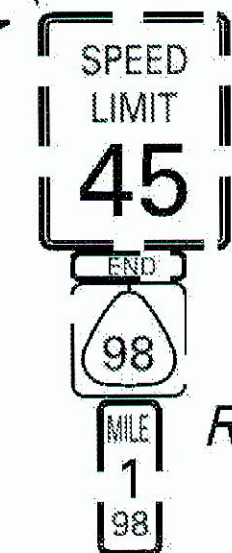
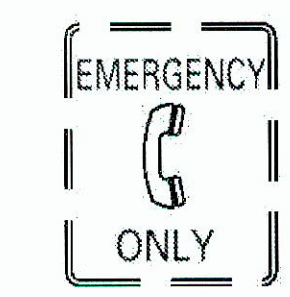


Pali Hwy.	1/4
School St.	3/4
Palama St.	1 1/2



W1-2(R)-A  
48"x48"

W13-1(35)-A  
30"x30"



5/30/14	△ Added Lane Change Restriction and Double Solid White Line
Date	Revision

PAMELA K. UYEDA  
LICENSED PROFESSIONAL ENGINEER  
No. 10352-C  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

04/30/14  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 182+00 TO STA. 192+00**

INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. IM-HI-1(269)

Scale: 1"=40' Date: Apr. 26, 2013

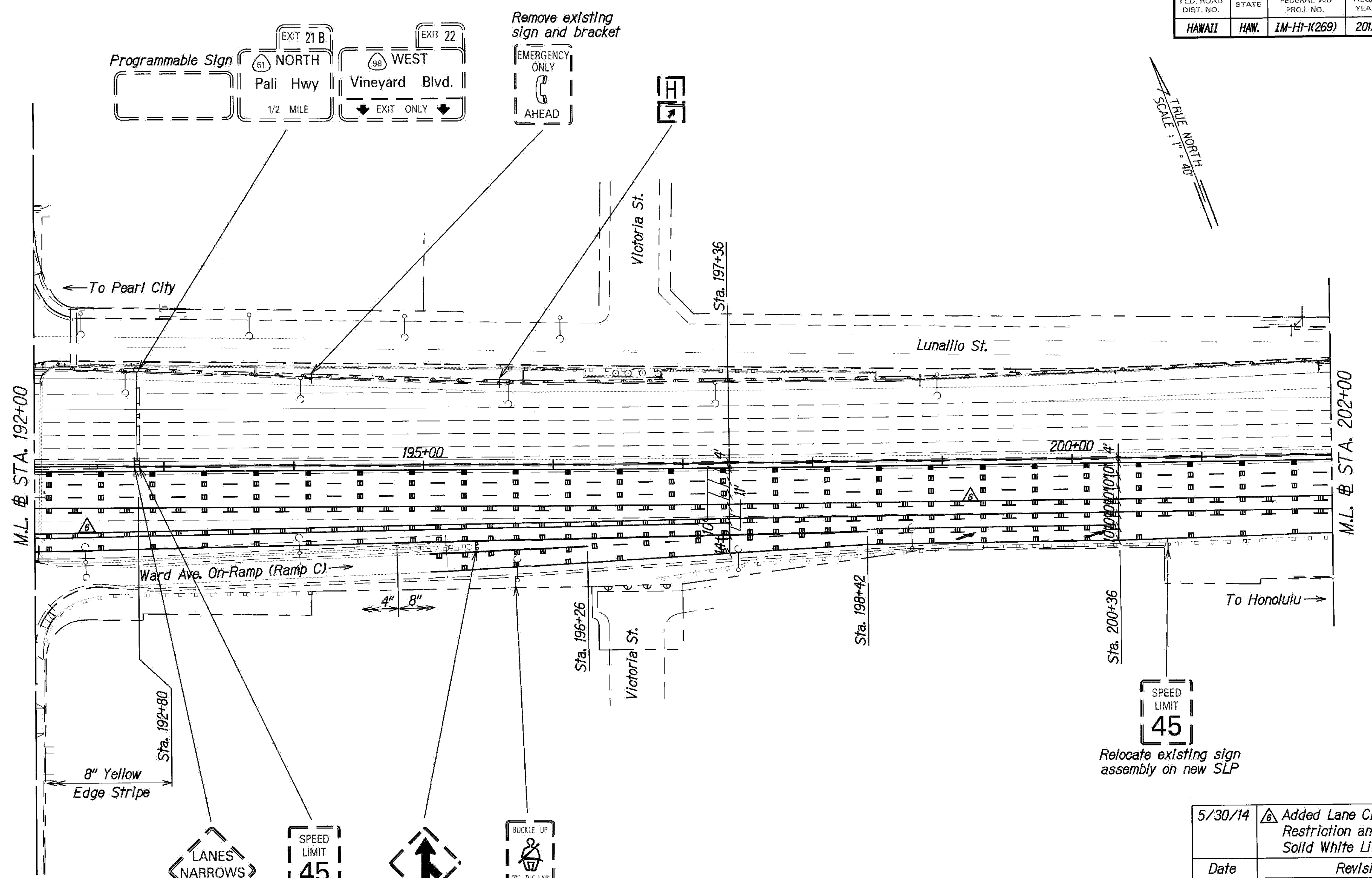
SHEET No. P-19 OF 24 SHEETS

"AS-BUILT"

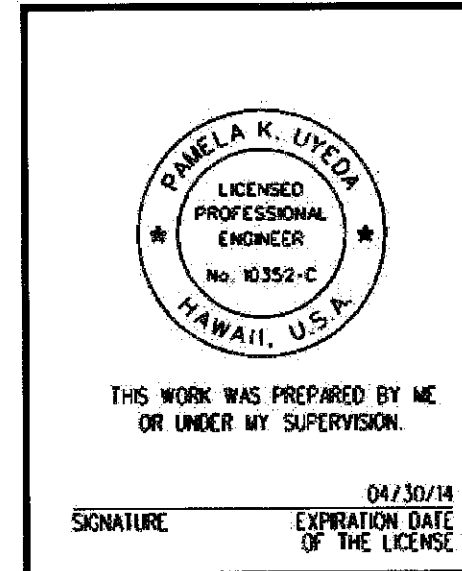
C.O. 128

JUN 16 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-K(269)	2013	C.O. 129	382



5/30/14	Added Lane Change Restriction and Double Solid White Line
Date	Revision

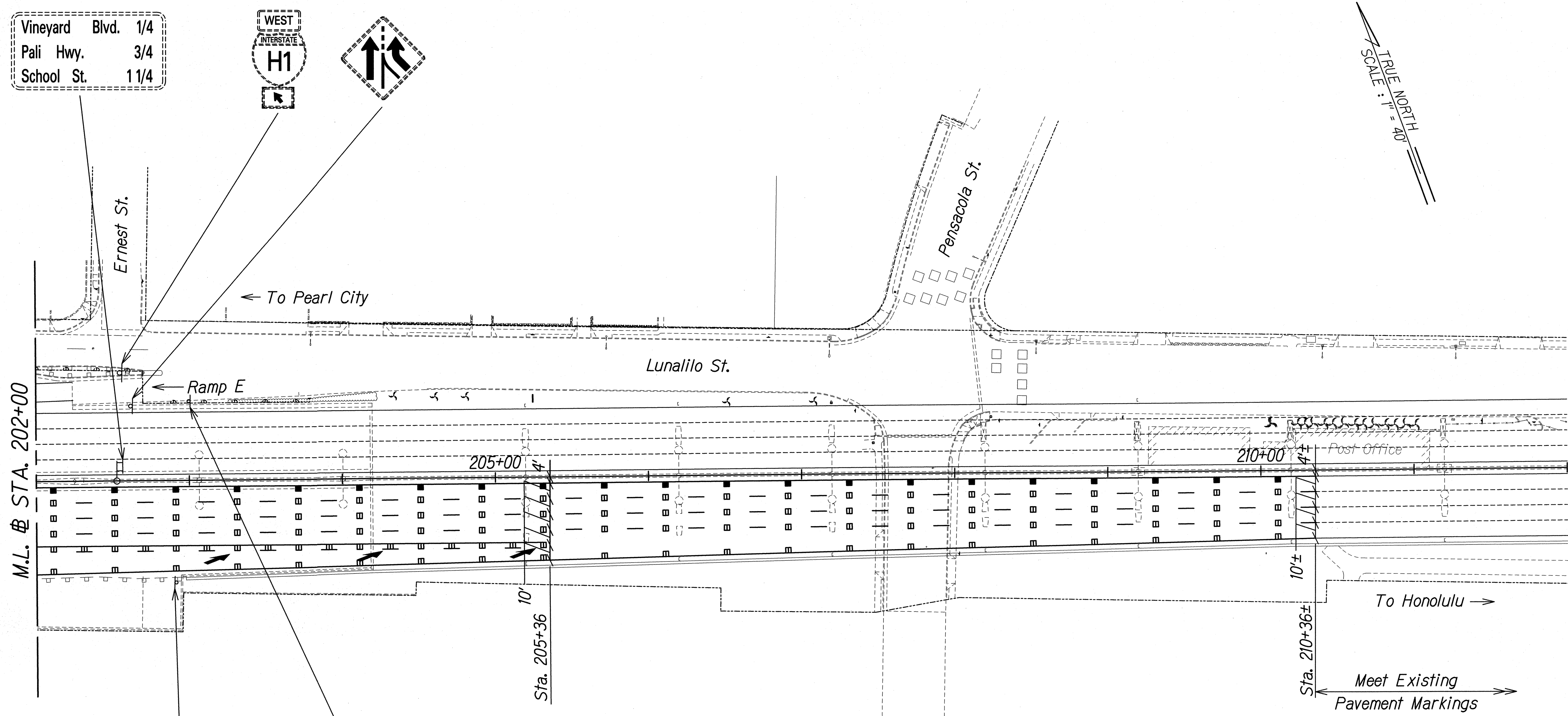


STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

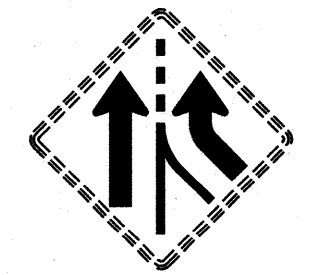
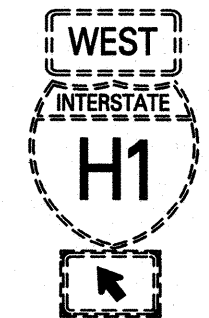
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 192+00 TO STA. 202+00**  
**INTERSTATE ROUTE H-1 REHABILITATION**  
**Middle Street to Vicinity of Ward Avenue**  
**FAP NO. IM-HI-K(269)**

Scale: 1"=40' Date: Apr. 26, 2013

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	130	382



Vineyard Blvd. 1/4  
Pali Hwy. 3/4  
School St. 11/4



TRUE NORTH  
SCALE: 1"=40'

Hospital  
NEXT EXIT

EMERGENCY ONLY  
AHEAD  
UNLICENSED VEHICLES  
BICYCLES, CYCLES  
UNDER 5 HP,  
PEDESTRIANS  
KEEP OUT  
FREEWAY  
Remove existing sign

ORIGINAL PLAN	DATE
REVISION 1	
REVISION 2	
REVISION 3	
REVISION 4	
REVISION 5	
REVISION 6	
REVISION 7	
REVISION 8	
REVISION 9	
REVISION 10	

L:\16469A.DWG.PAVMT.PREVENTIVE.MAINTENANCE\HI.LIKE.LIKE.TO.PUNCHROLL\CADD\SHEETS\SIGN\P-21.dwg

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*P. Uyeda*  
SIGNATURE

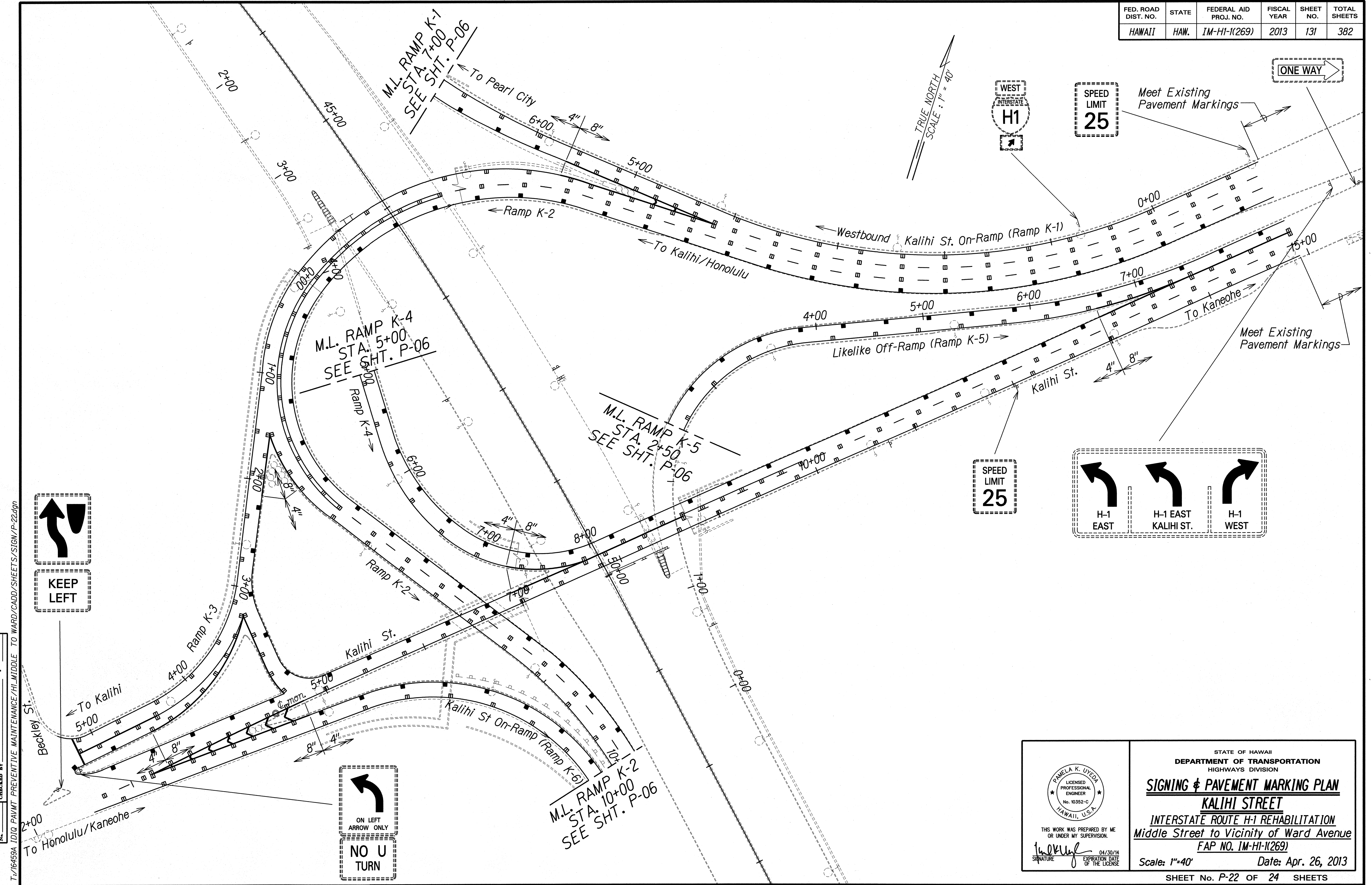
04/30/14  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

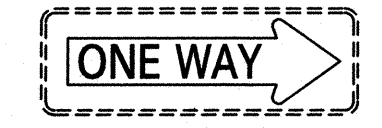
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 202+00 TO STA. 212+00**  
INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. 1M-HI-1(269)

Scale: 1"=40'      Date: Apr. 26, 2013

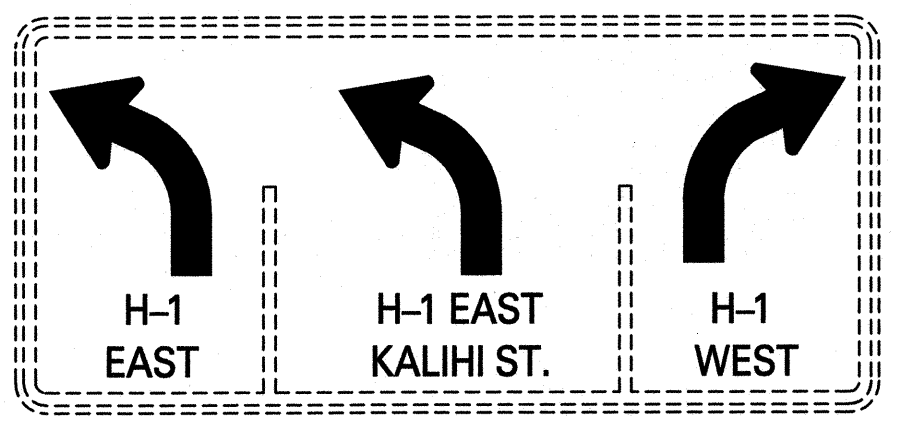
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	131	382



SPEED LIMIT 25



SPEED LIMIT 25



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
PROJECT NO.	
SHEET NO.	
TITLE	

T:\16459A.IDIQ.PAVMT.PREVENTIVE.MAINTENANCE\HI-MIDDLE.TO.WARD\CADD\SHEETS\SIGN\P-22.dgn

PANELA K. UYEDA  
 LICENSED PROFESSIONAL ENGINEER  
 No. 10352-C  
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

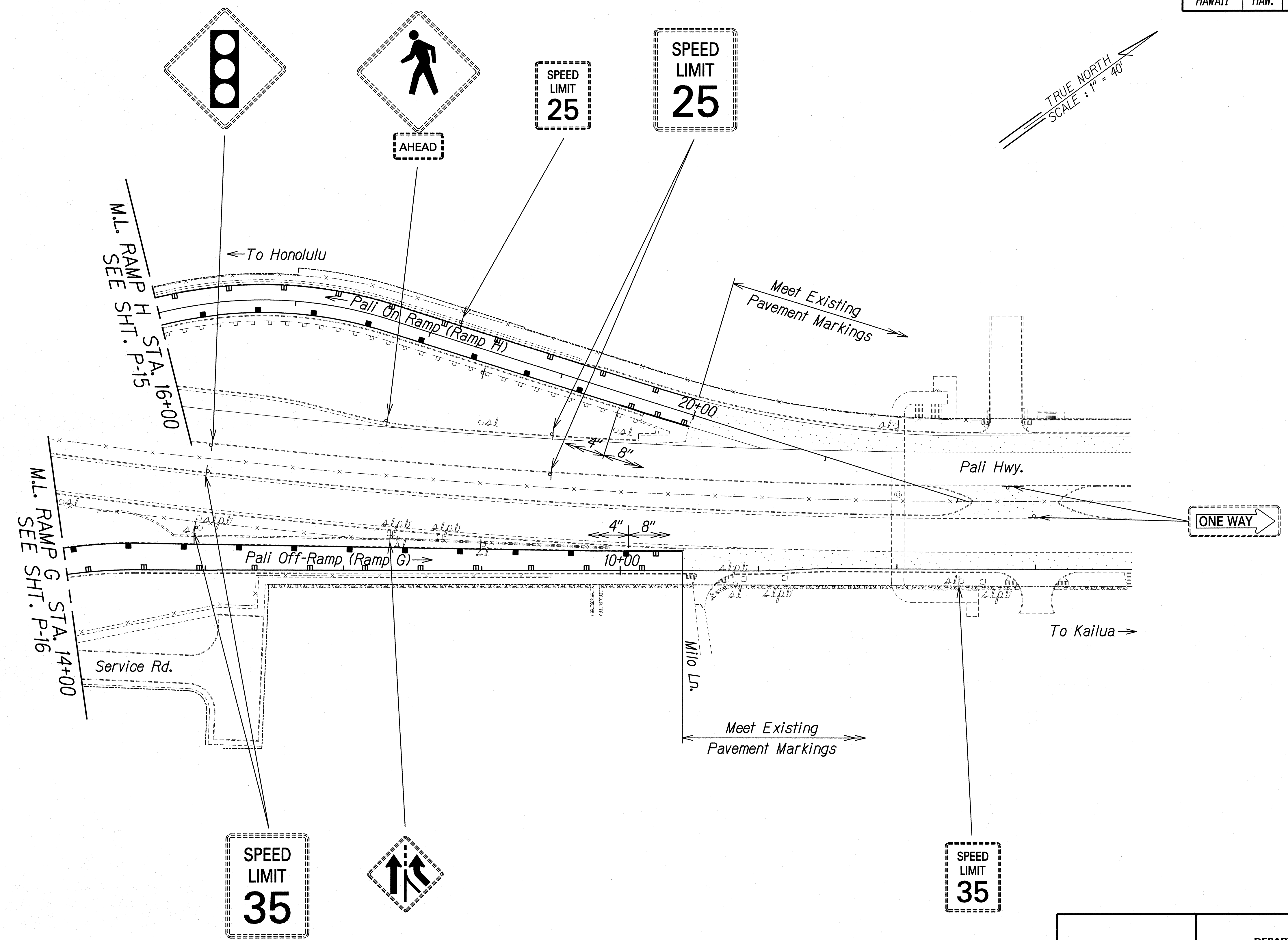
Signature: *[Signature]* 04/30/14  
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**  
**KALIHI STREET**  
 INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP NO. IM-HI-1(269)

Scale: 1"=40' Date: Apr. 26, 2013

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	132	382



ORIGINAL PLAN	DATE
REVISION 1	
REVISION 2	
REVISION 3	
REVISION 4	
REVISION 5	
REVISION 6	
REVISION 7	
REVISION 8	
REVISION 9	
REVISION 10	

T:\16459A.IDIQ.PAVMT.PREVENTIVE.MAINTENANCE\HI.MIDDLE.TO.WARD\CADD\SHEETS\SIGNV.P-23.dgn

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*[Signature]*

EXPIRATION DATE OF THE LICENSE: 04/30/14

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

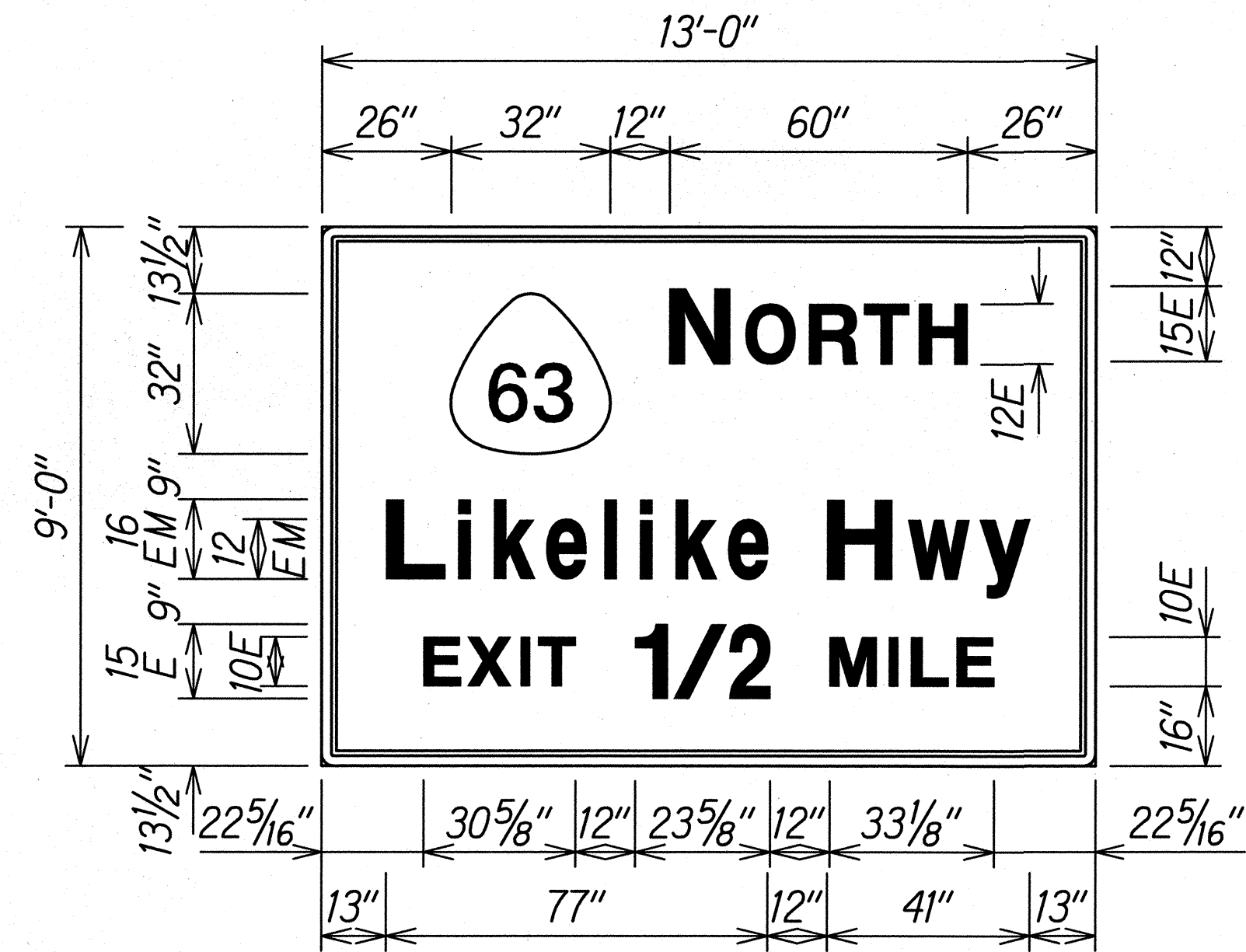
**SIGNING & PAVEMENT MARKING PLAN**

**PALI HIGHWAY**

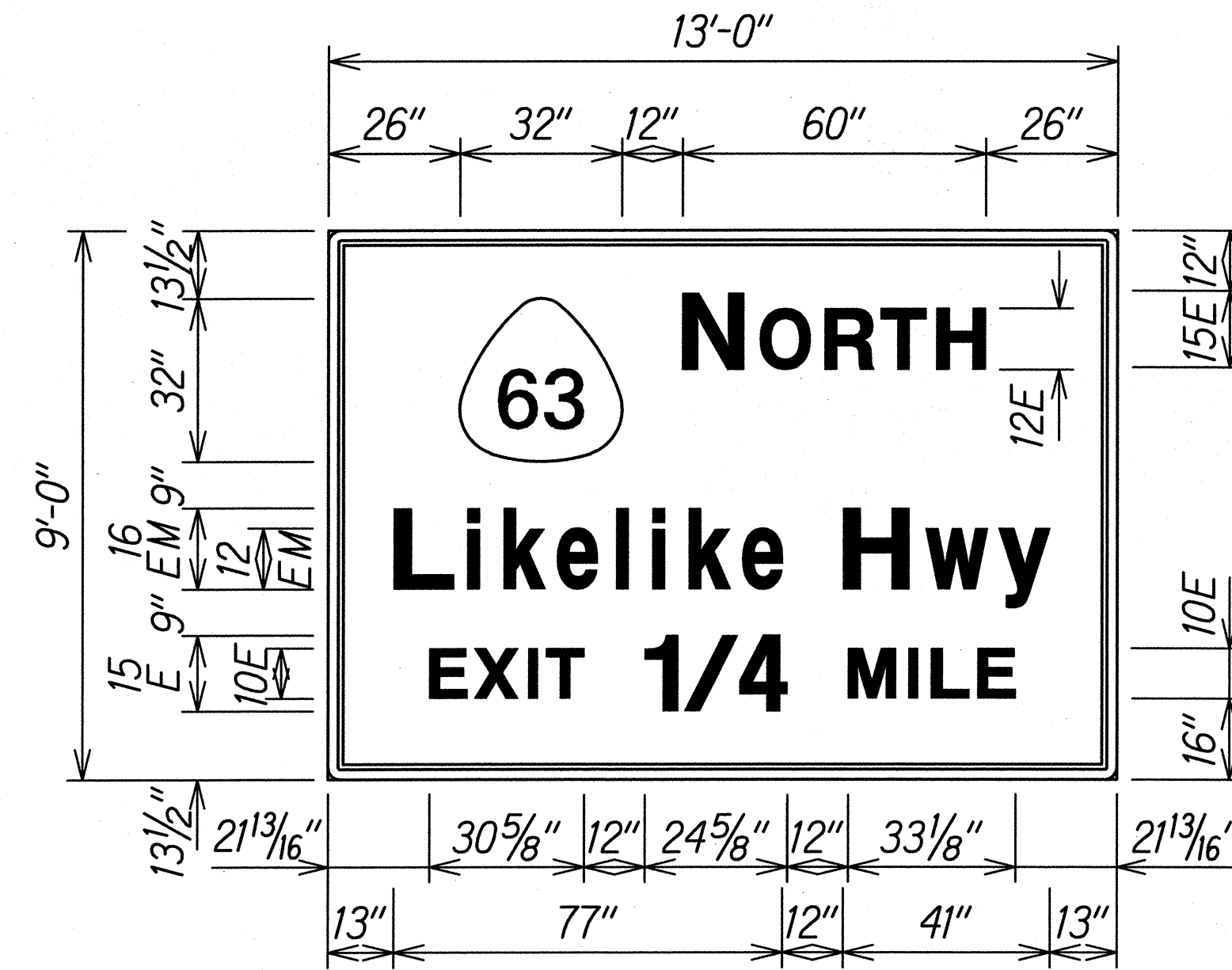
INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. IM-HI-1(269)

Scale: 1"=40'      Date: Apr. 26, 2013

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	133	382



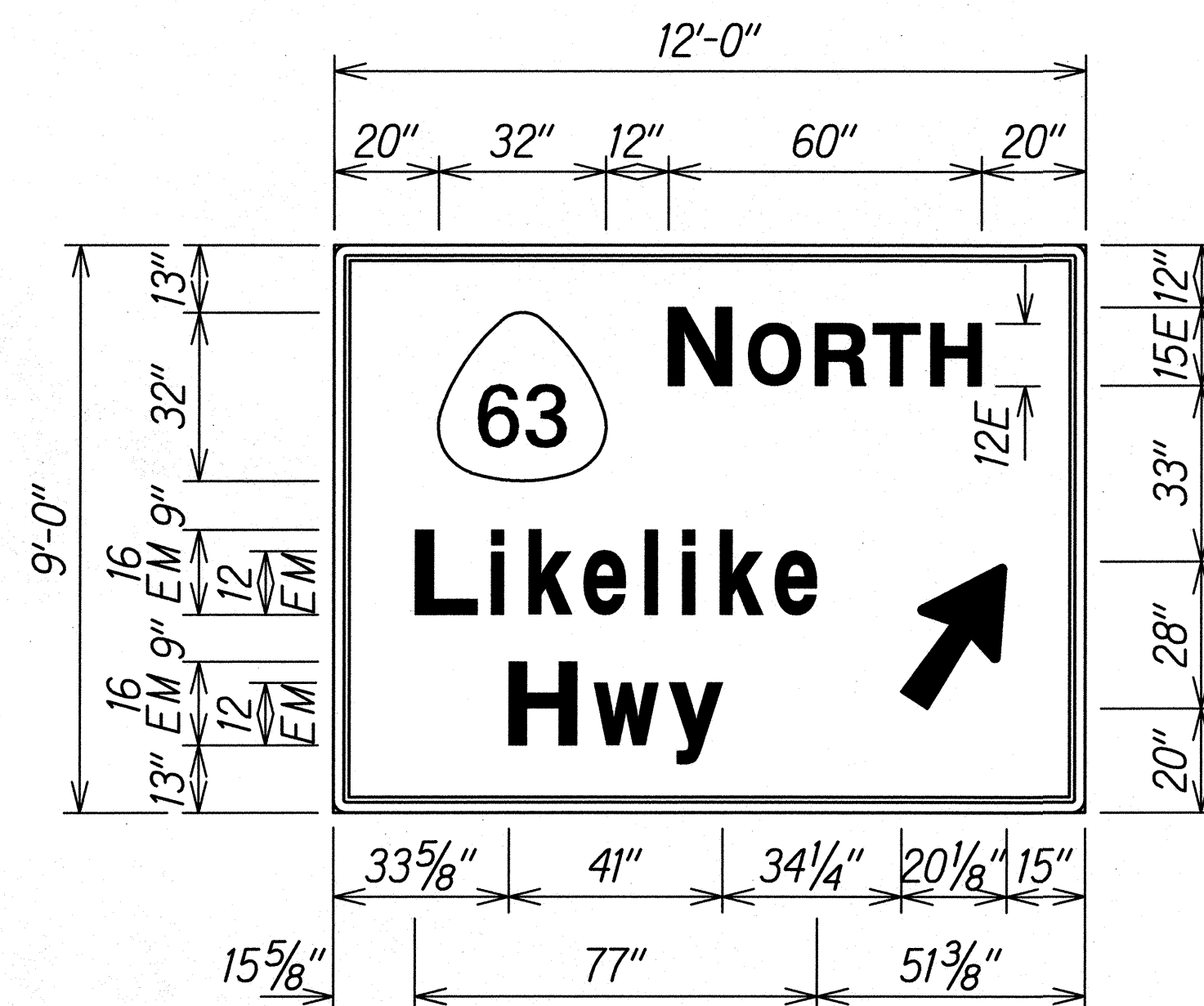
SIGN E-1



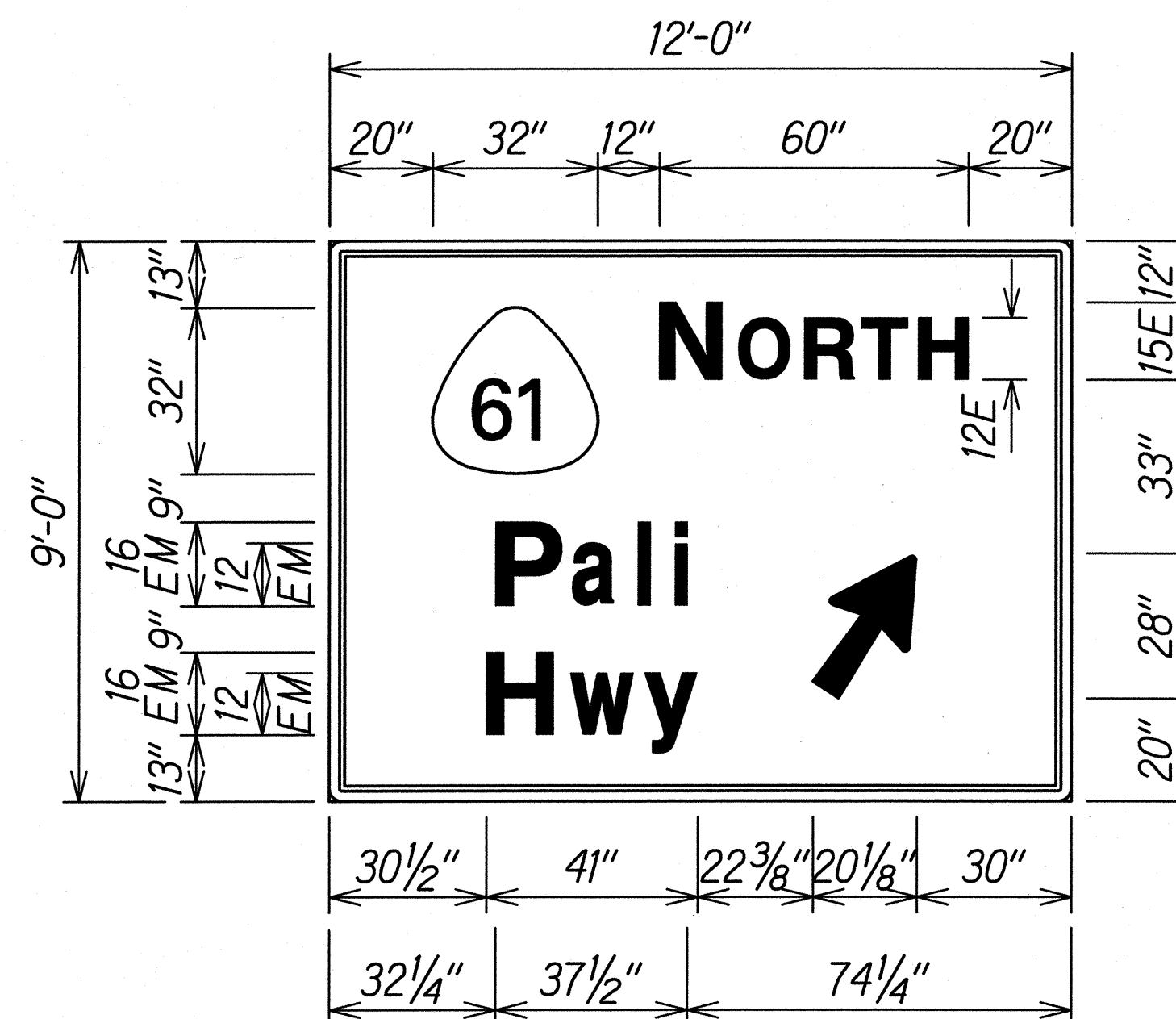
SIGN E-2

GENERAL NOTES:

- All signs conform to Section 630 - Traffic Control Guide Signs of the Standard Specifications and the latest editions amendments of the following FHWA publications:
  - "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
  - "Standard Highway Signs"
  - "Standard Alphabets for Highway Signs"
- Borders, messages, arrows symbols and shield conform to details as shown on the plans and as specified in the MUTCD.
- Signs messages shall be as indicated on the plans.
- All panels shall be retroreflectorized in accordance with subsection 750.01(A)(1) - Retroreflectorization of the Special Provisions.
- Contractor shall submit all sign splicing details to the Engineer for acceptance.



SIGN E-3 & E-4



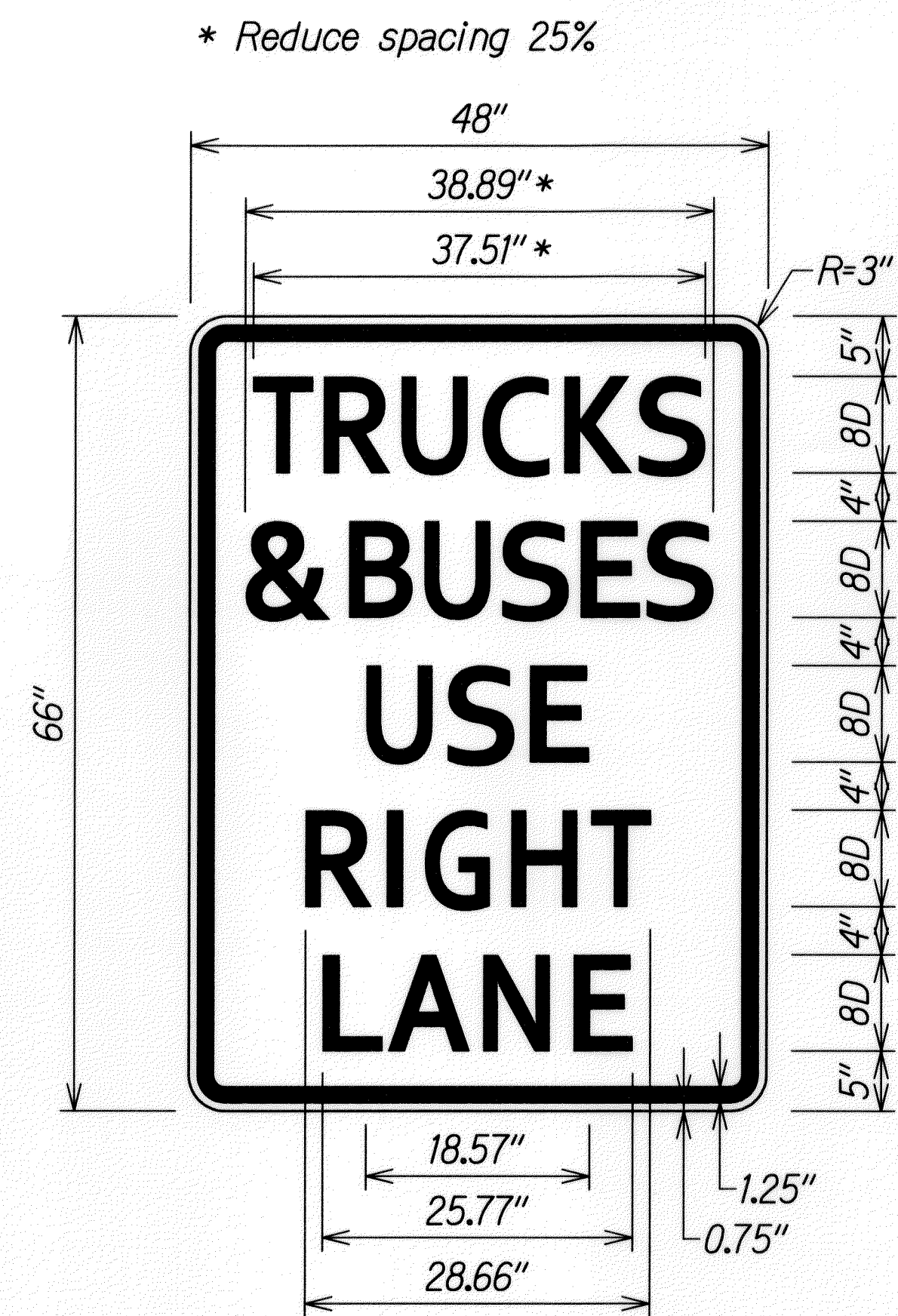
SIGN E-5 & E-6

ORIGINAL PLAN	DATE
REVISIONS	
BY	
DATE	
BY	
DATE	
BY	
DATE	

T-16459A IDIQ PAVMT PREVENTIVE MAINTENANCE/HI-MIDDLE TO WARD/CADD/SHEETS/05 SIGN/SIGN DETS 01.dgn

	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>DESTINATION SIGN          DETAILS</b> INTERSTATE ROUTE H-1 REHABILITATION Middle Street to Vicinity of Ward Avenue FAP NO. IM-HI-1(269)
	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE: <i>[Signature]</i> EXPIRATION DATE OF LICENSE: 04/30/14 Scale: NTS Date: Apr. 26, 2013

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	C.O. 133S-1	382



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
DATE	
NO.	

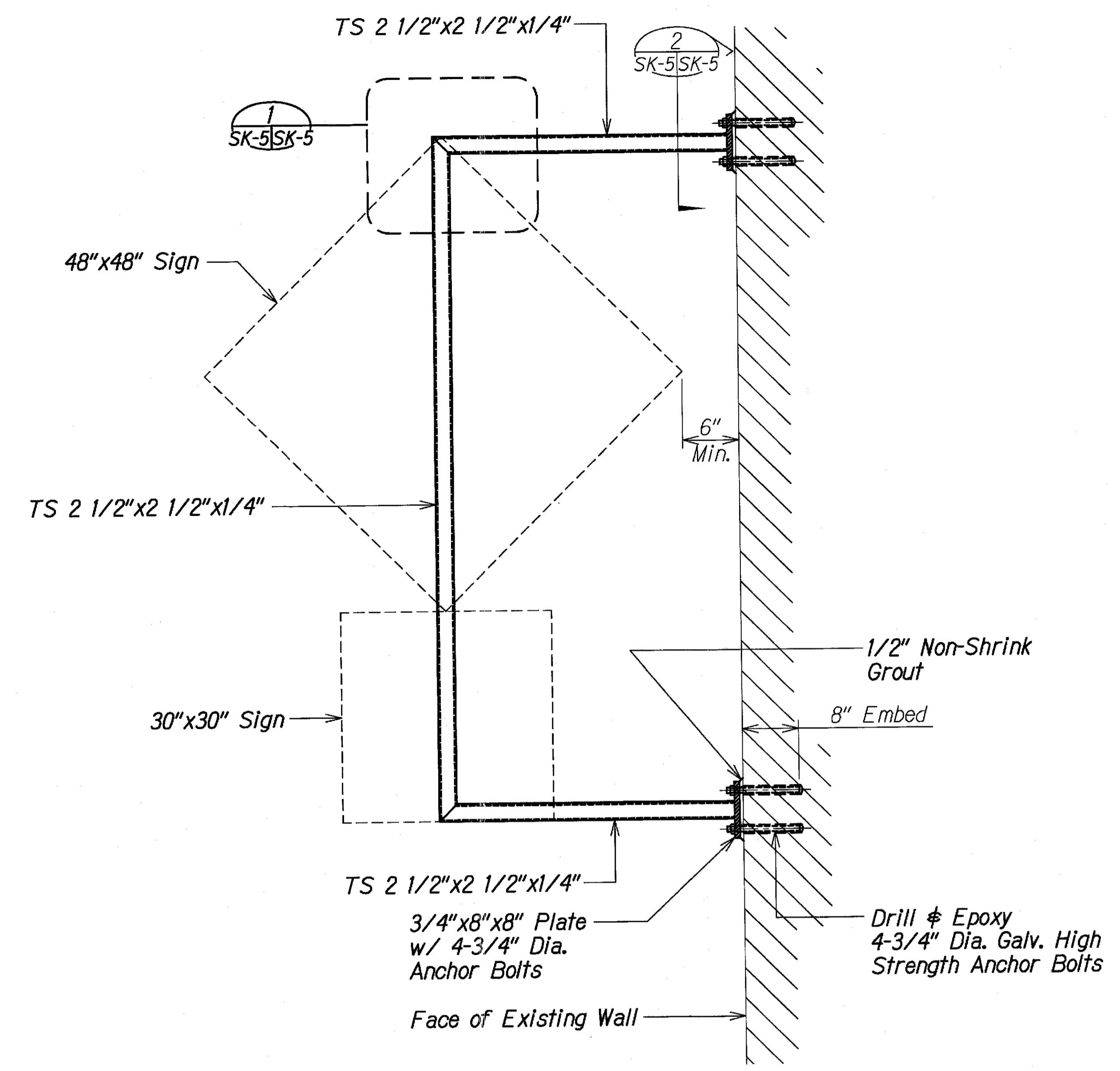
T:\16459A IDIQ PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\05 SIGN\SIGN\_DET.DWG

7/30/13	Added sheet
Date	Revision

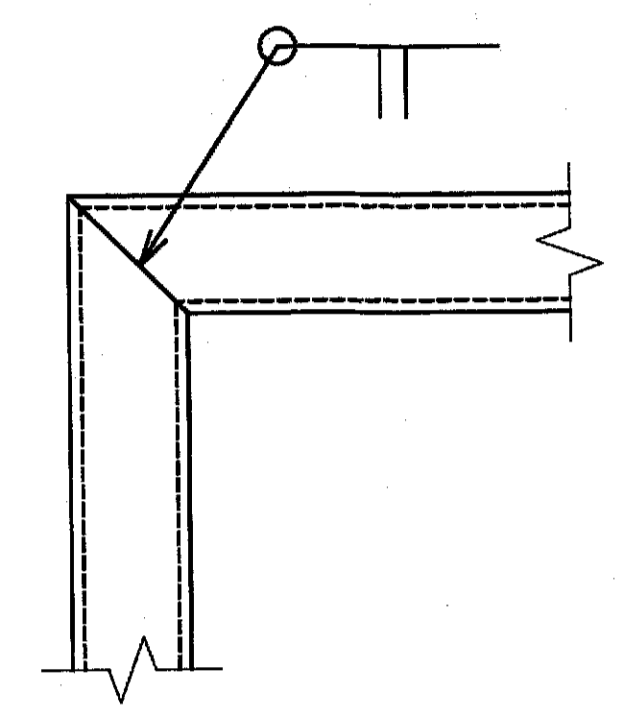
<p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>P. Uyeda</i></p> <p>SIGNATURE</p> <p>04/30/14</p> <p>EXPIRATION DATE OF THE LICENSE</p>	<p>STATE OF HAWAII</p> <p>DEPARTMENT OF TRANSPORTATION</p> <p>HIGHWAYS DIVISION</p> <p><b>SIGN DETAILS</b></p> <p>INTERSTATE ROUTE H-1 REHABILITATION</p> <p>Middle Street to Vicinity of Ward Avenue</p> <p>FAP NO. IM-HI-1(269)</p> <p>Scale: NTS Date: Apr. 26, 2013</p>
	<p>SHEET No. P-24A OF 24 SHEETS</p>

C.O. 133S-1

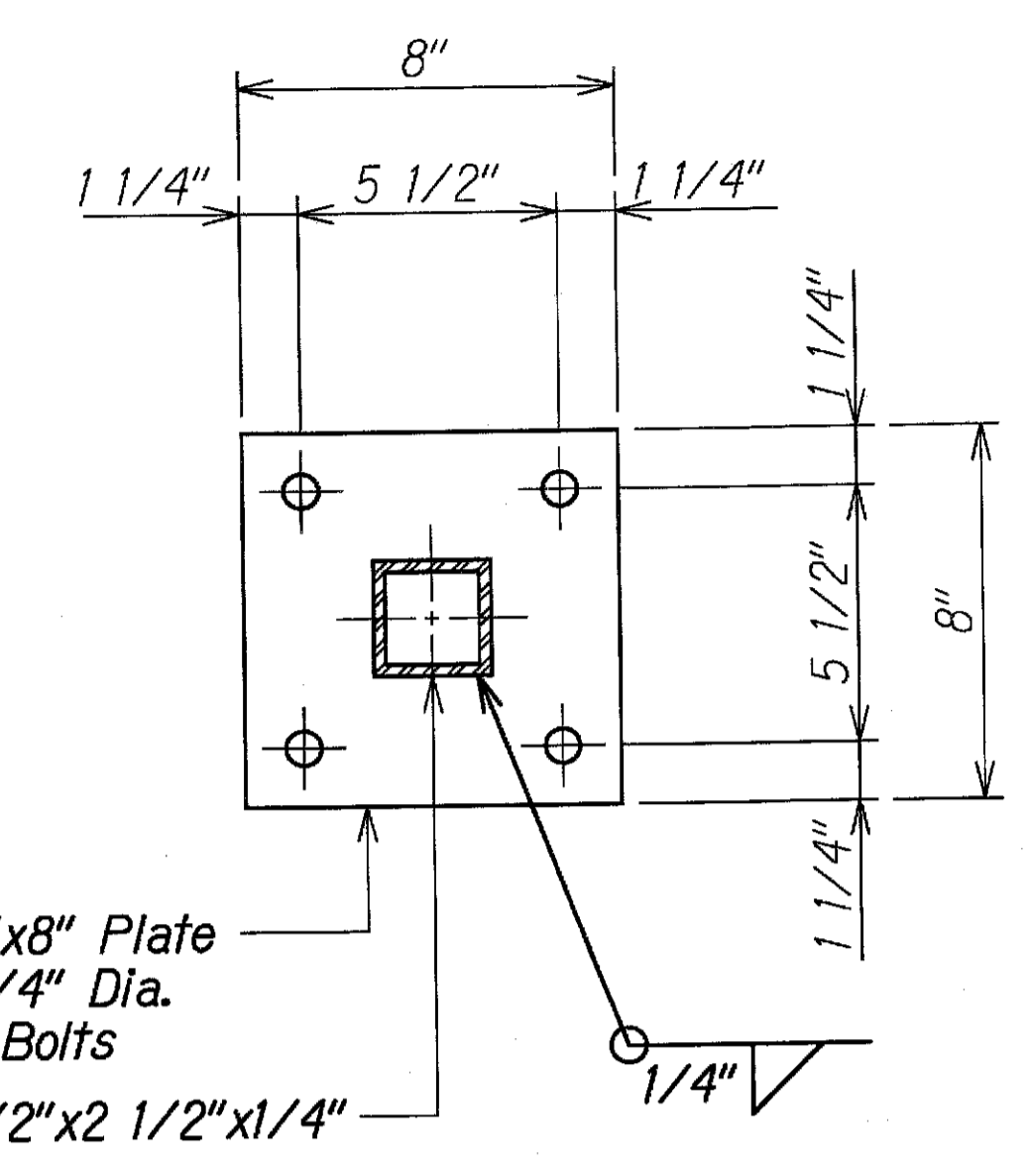
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	1335-2	382



**ELEVATION** A  
Scale: 1" = 1'-0" SK-5 SK-5



**DETAIL** 1  
Scale: 3" = 1'-0" SK-5 SK-5



**PLATE DETAIL** 2  
Scale: 3" = 1'-0" SK-5 SK-5

*Note:*  
Tubes shall be ASTM A500 Grade B.

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

DRAWING NAME: Z:\00 ONGONG\11-0301.HI RESURFACING LANE TO PUNCHBOWL POST DESIGN-PB TR\CAD\06-26-14 REV\HIRE-SK-5 SIGN-WALL MOUNT-FR.DWG PLOT TIME: 06-26-14, 9:41 AM

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**WALL MOUNT SIGN DETAILS**

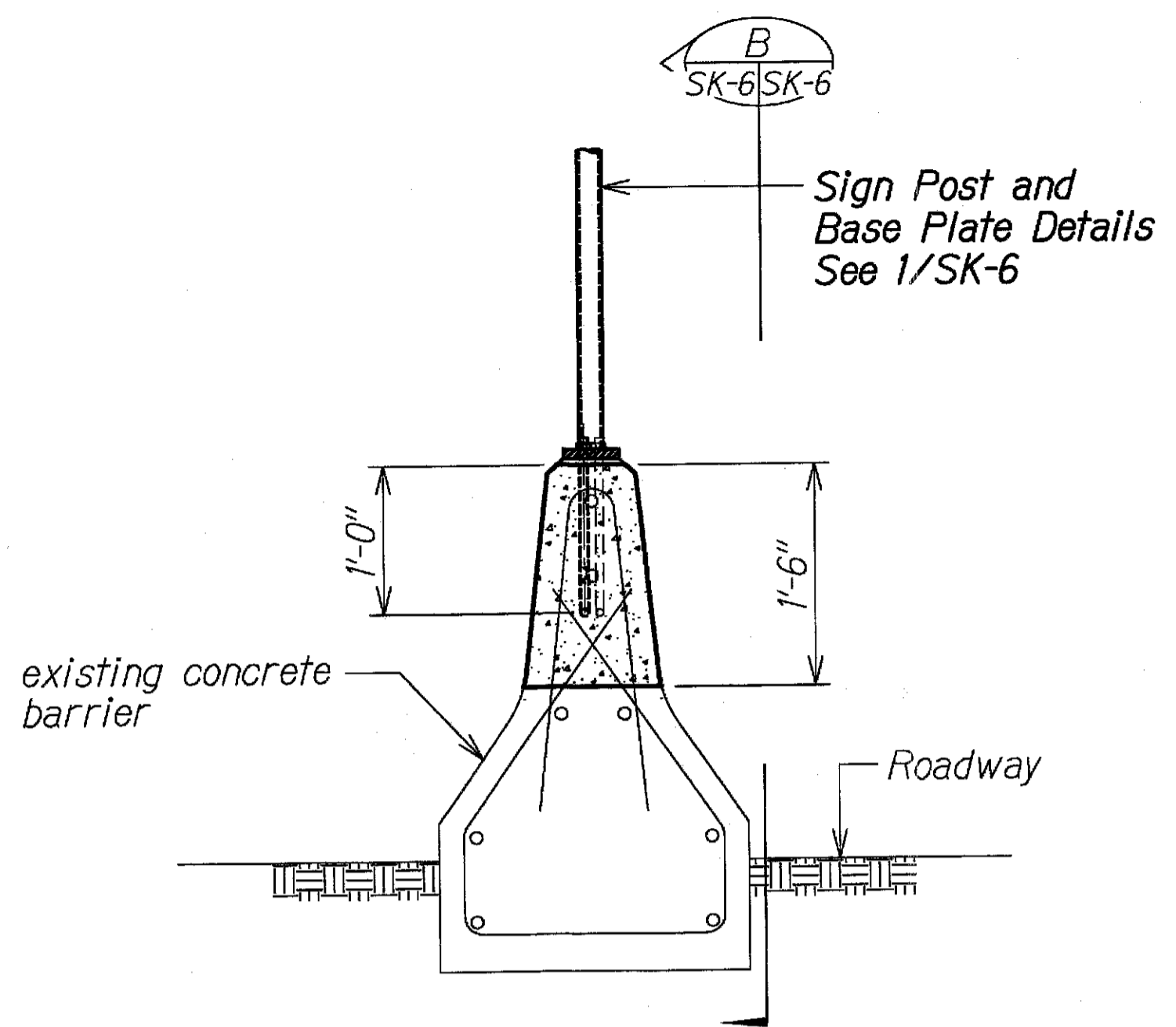
*INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP No. IM-HI-1(269)*

Scale: As Shown Date: June 25, 2014

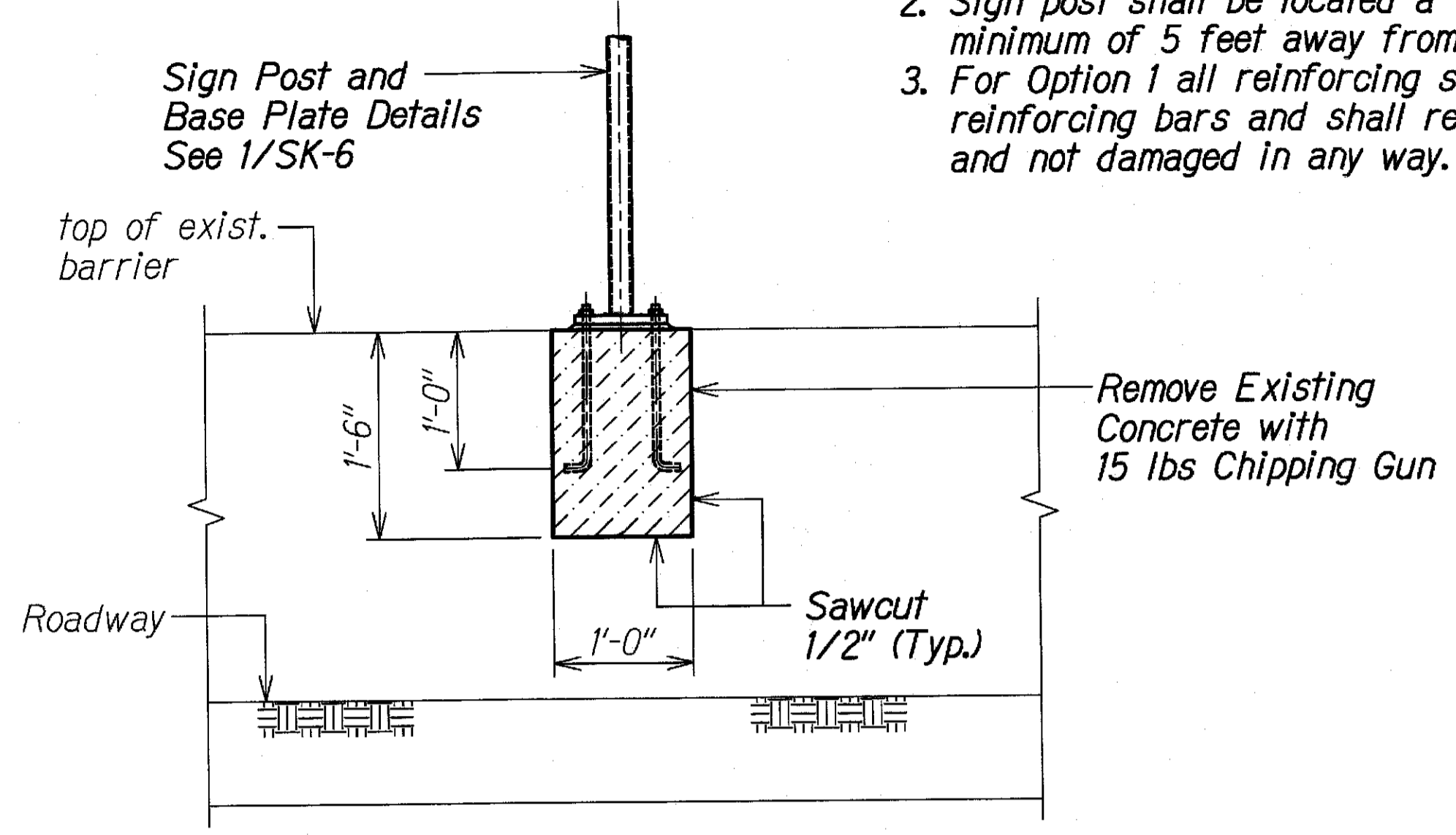
SHEET No. SK-5 OF SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	133S-3	382

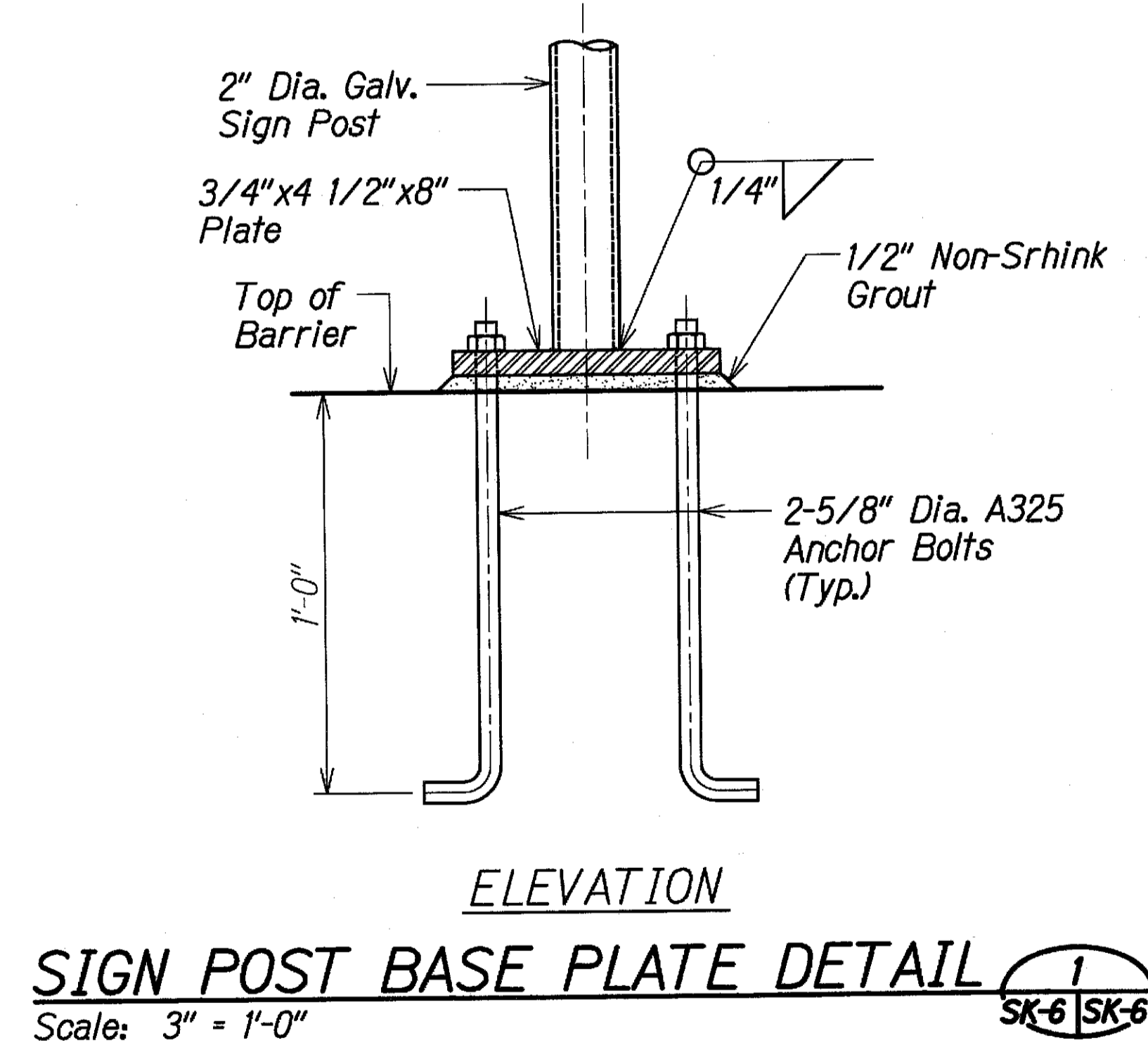
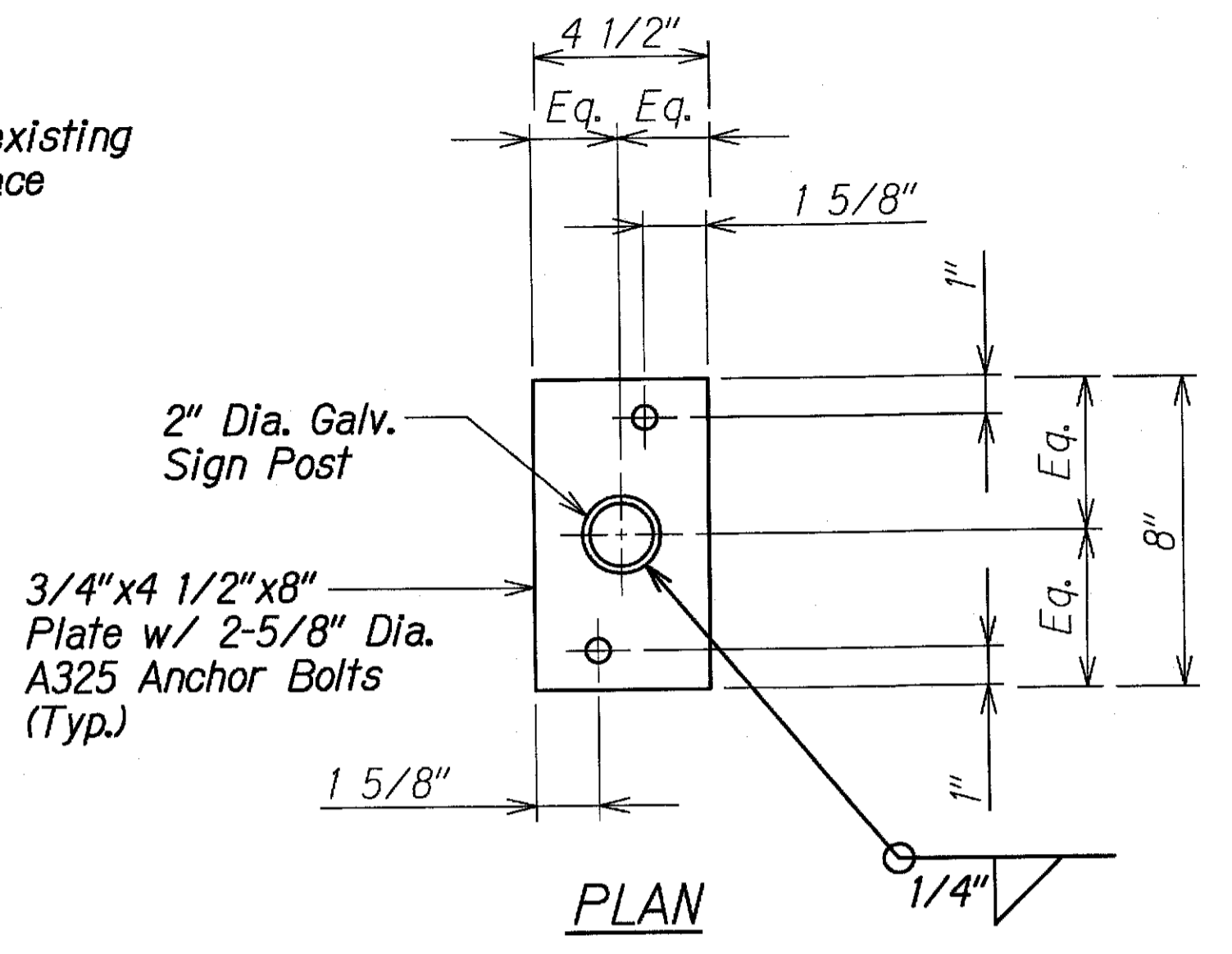
- Note:**
1. Pipe shall be ASTM A500 Grade B.
  2. Sign post shall be located a minimum of 5 feet away from any joint.
  3. For Option 1 all reinforcing shown are existing reinforcing bars and shall remain in place and not damaged in any way.



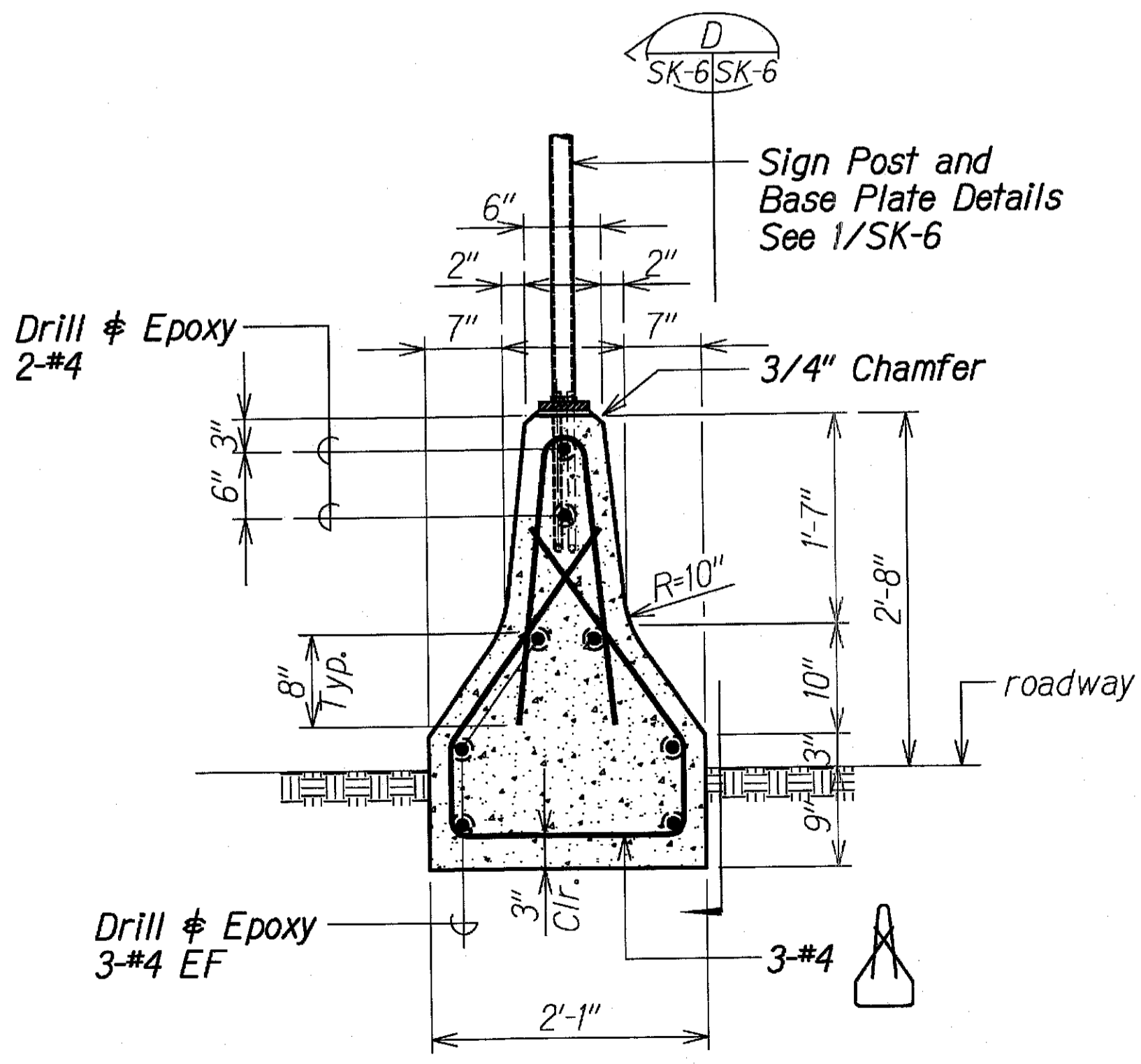
**(OPTION 1 - REINFORCED CONCRETE BARRIER) SECTION A**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6



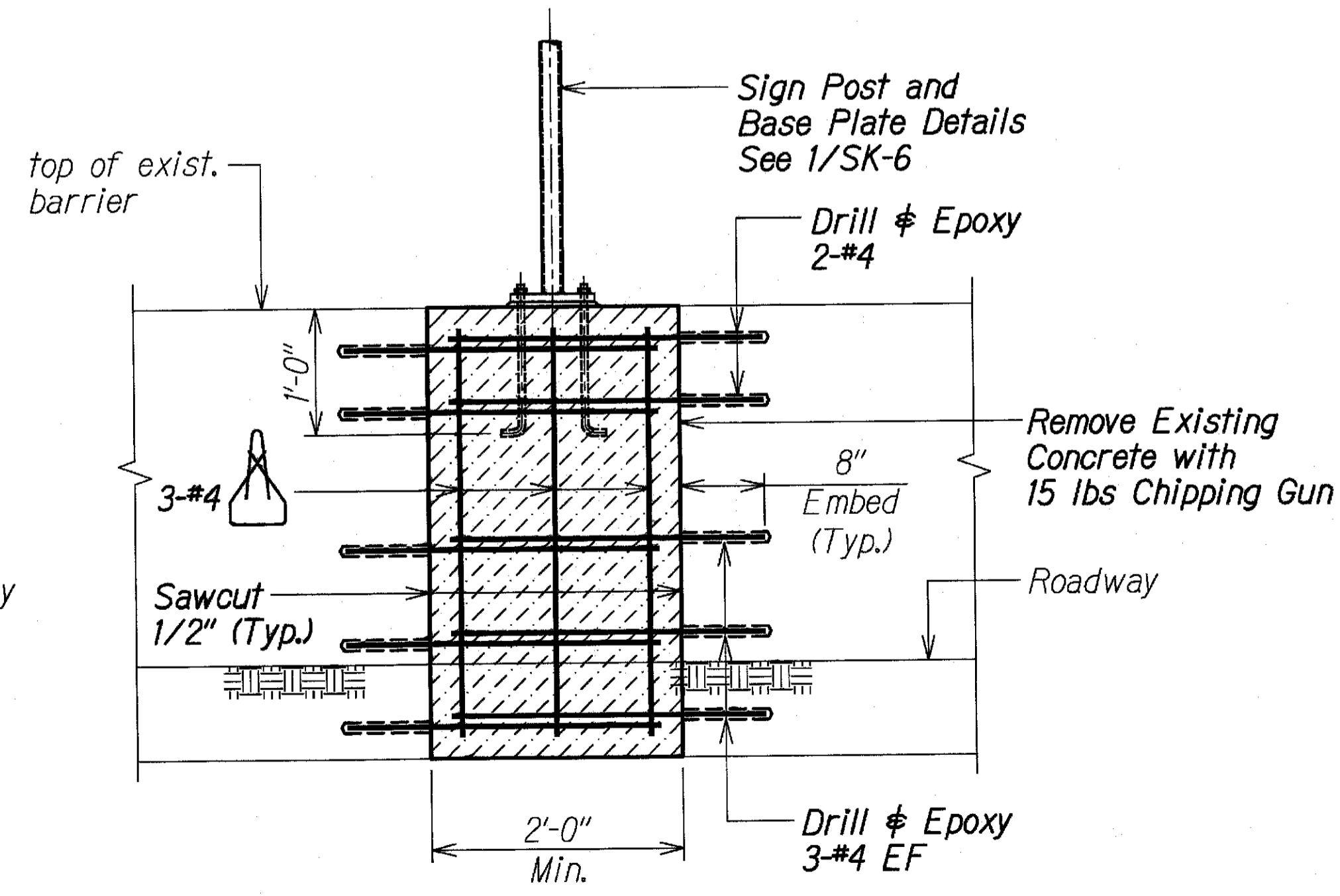
**(OPTION 1 - REINFORCED CONCRETE BARRIER) SECTION B**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6



**SIGN POST BASE PLATE DETAIL 1**  
 Scale: 3" = 1'-0"  
 SK-6 SK-6



**(OPTION 2 - NO REINFORCING IN BARRIER) SECTION C**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6



**(OPTION 2 - NO REINFORCING IN BARRIER) SECTION D**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**SIGN DETAILS AT MEDIAN BARRIER**

INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP No. IM-HI-1(269)

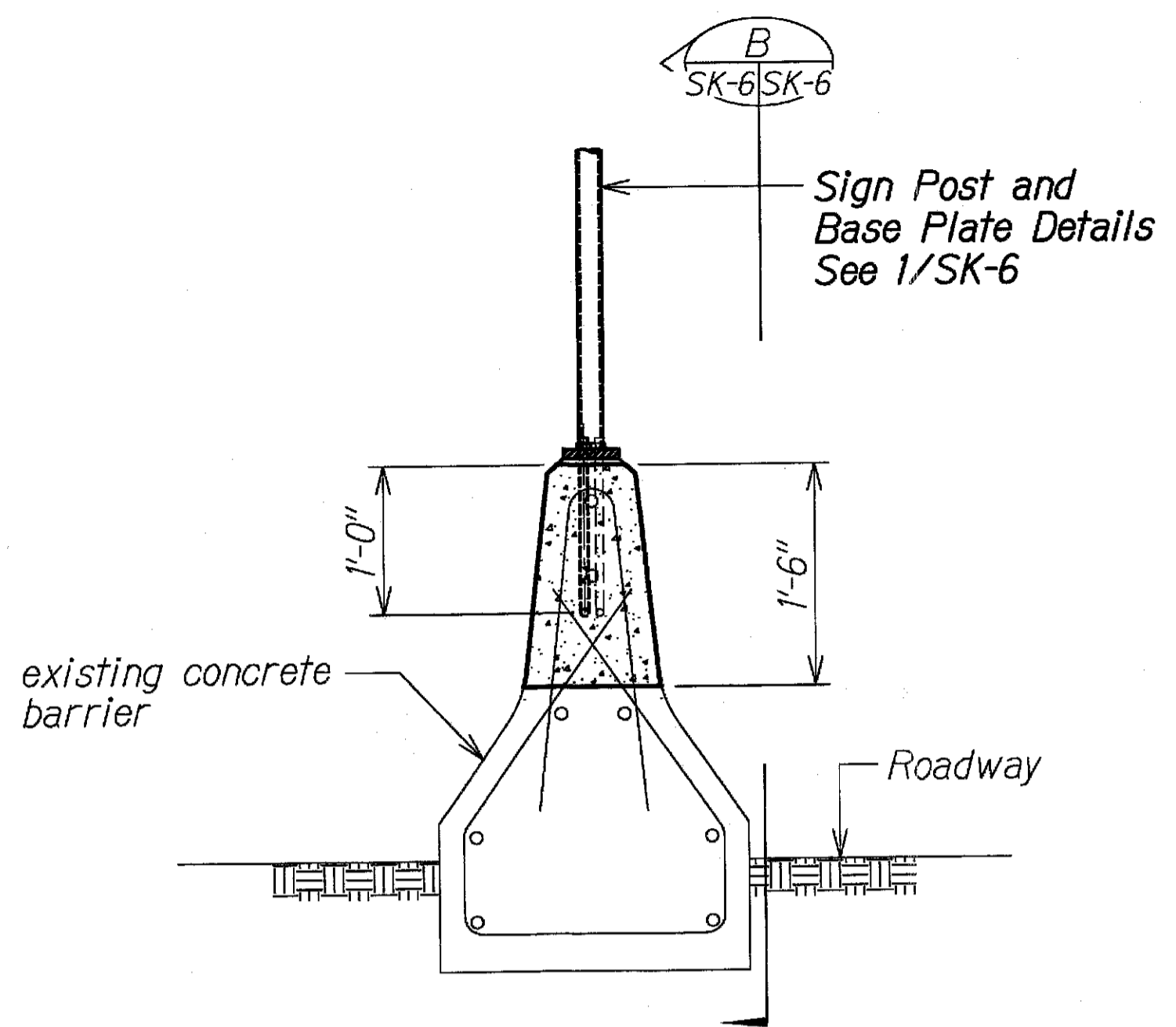
Scale: As Shown Date: June 25, 2014

SHEET No. SK-6 OF SHEETS

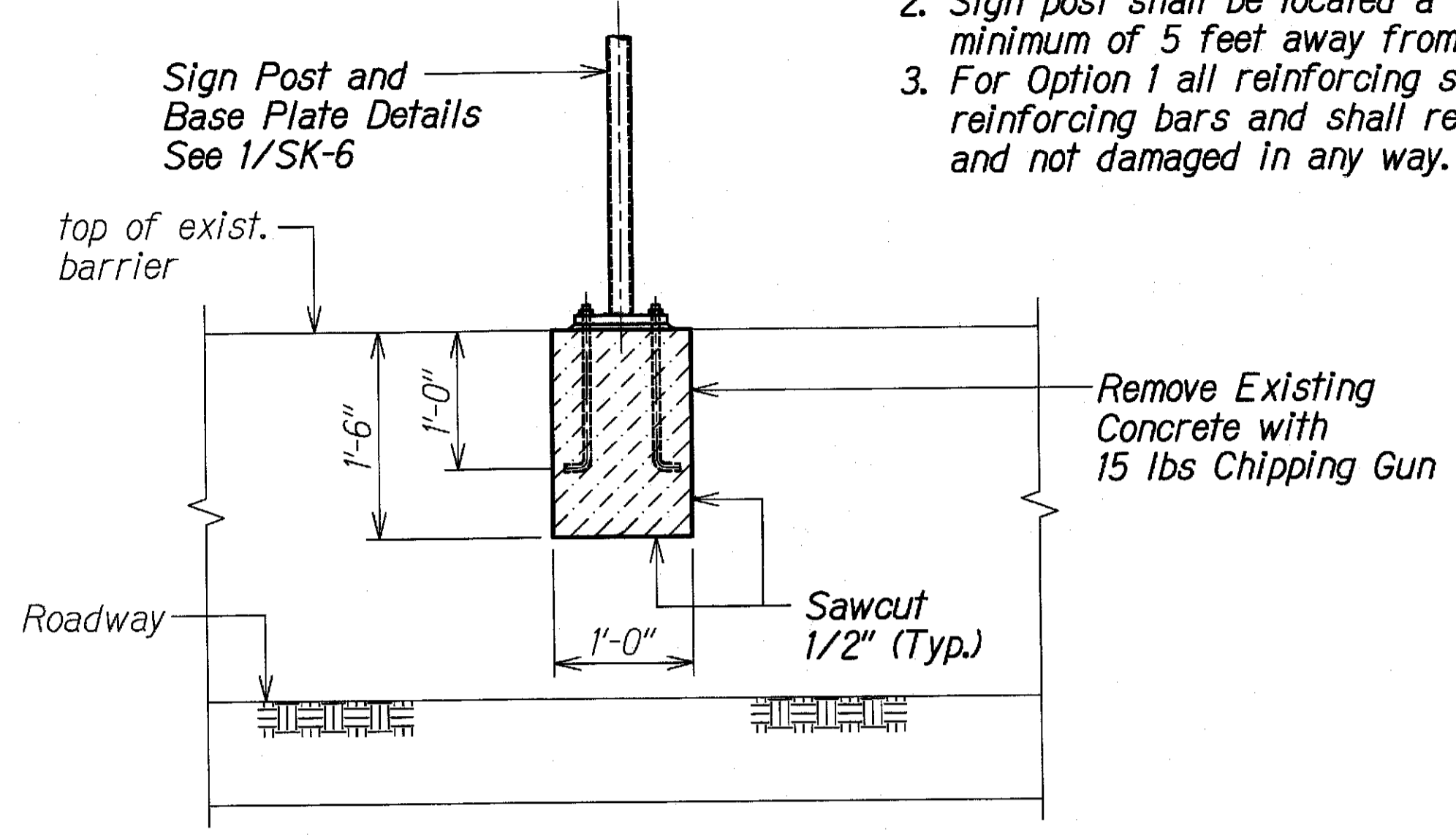
DRAWING NAME: 2:00 ONGOING\11-030.1 H1 RESURFACING LIKEWISE TO PUNCHBOWL. POST DESIGN-PB TM\CAD\06-27-14 REV\H1RF-SK-6 SIGN-BARRIER-REFLDWG. PLOT TIME: 08-27-14, 2:46 PM  
 ORIGINAL PLAN DRAWN BY: [ ] TRACED BY: [ ] NOTE BOOK NO. [ ] CHECKED BY: [ ]

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	133S-3	382

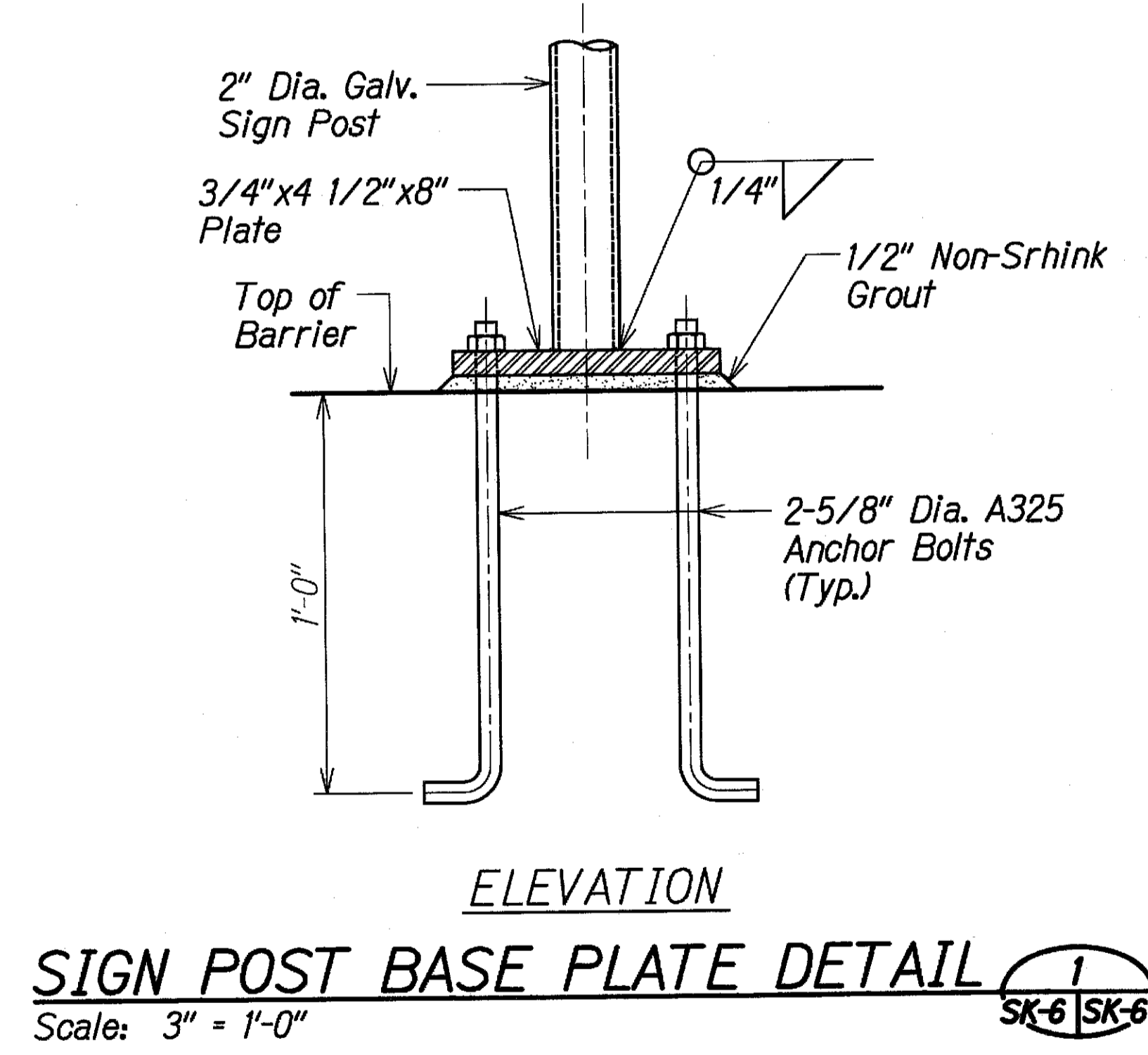
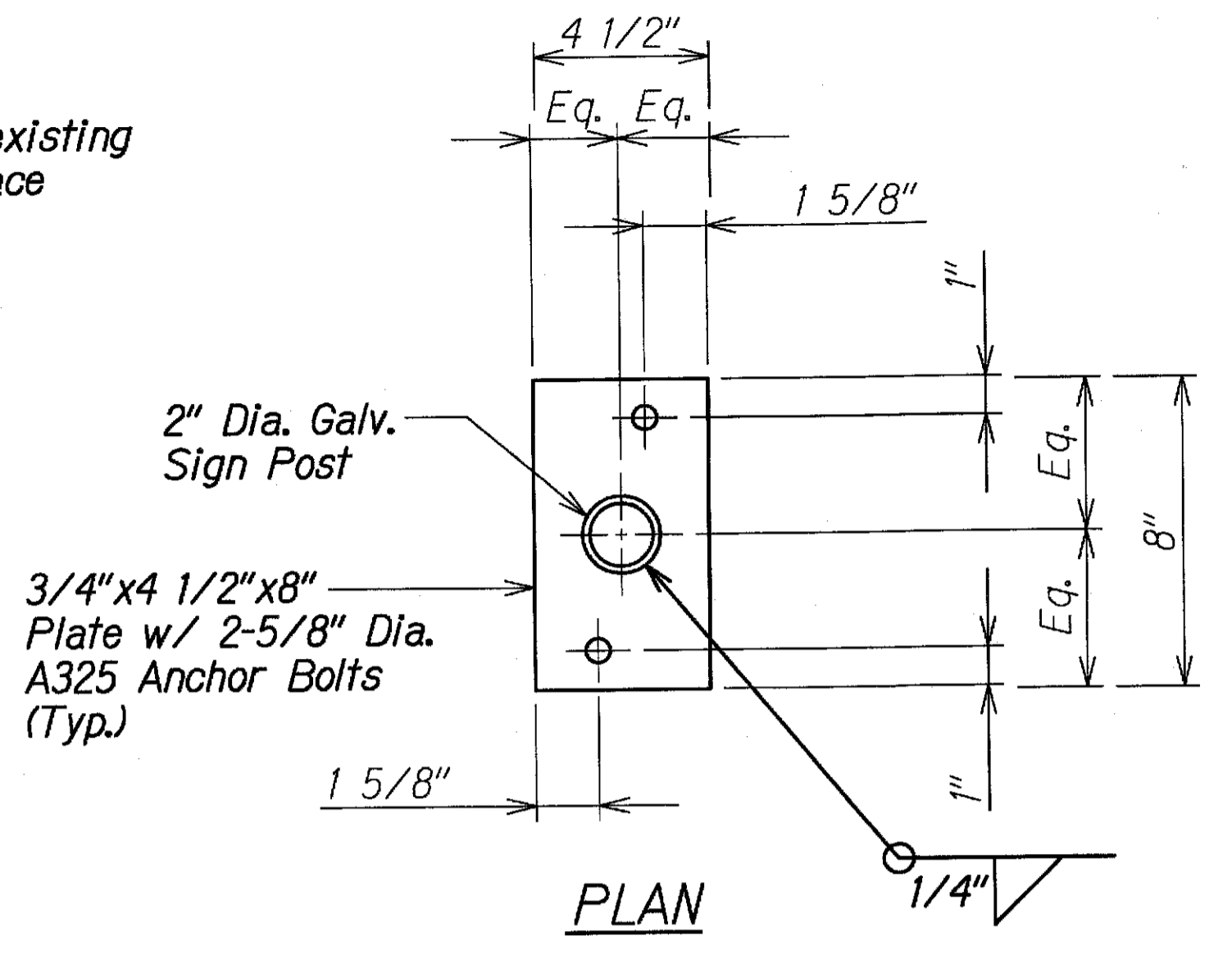
- Note:**
1. Pipe shall be ASTM A500 Grade B.
  2. Sign post shall be located a minimum of 5 feet away from any joint.
  3. For Option 1 all reinforcing shown are existing reinforcing bars and shall remain in place and not damaged in any way.



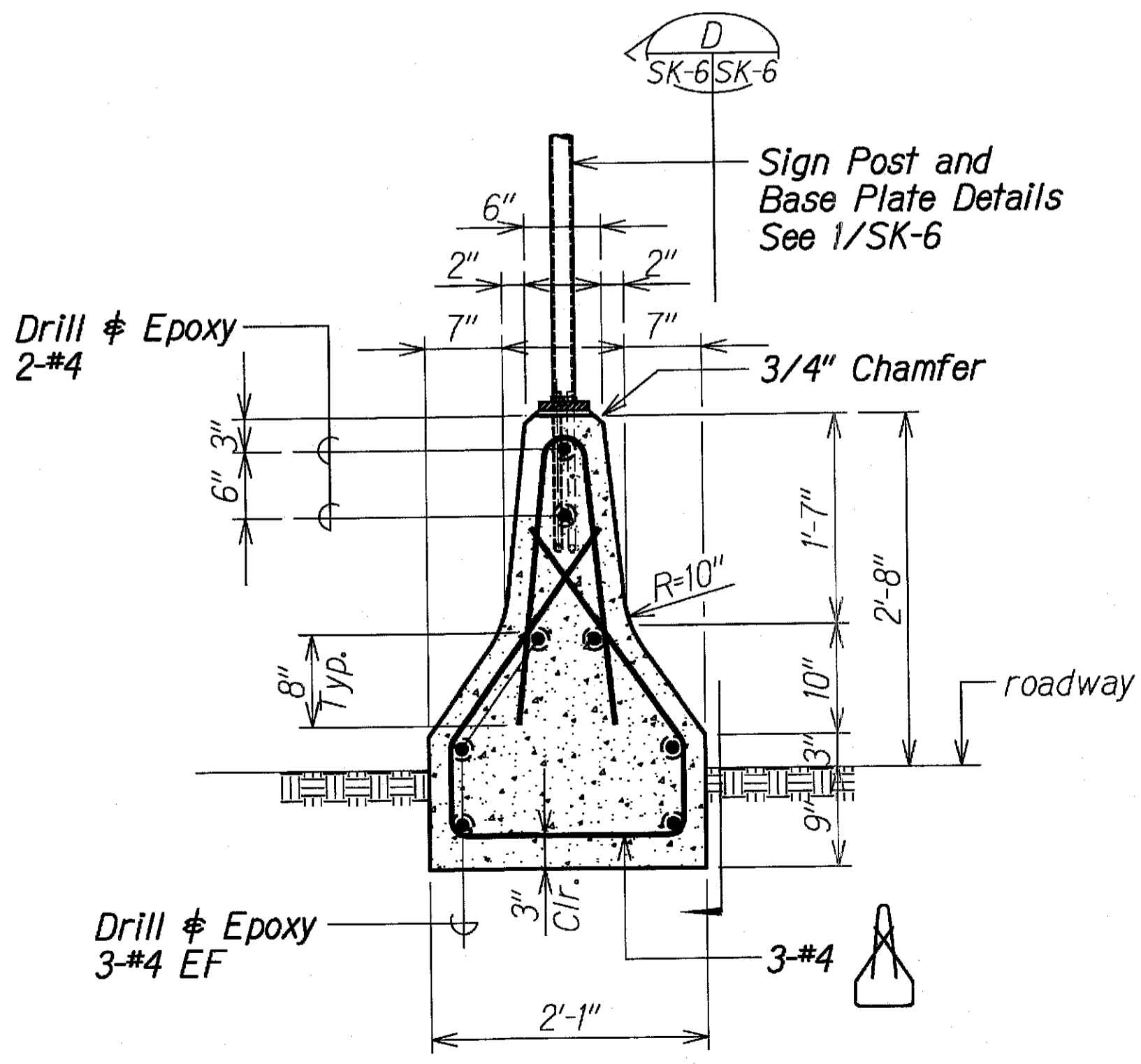
**(OPTION 1 - REINFORCED CONCRETE BARRIER) SECTION A**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6



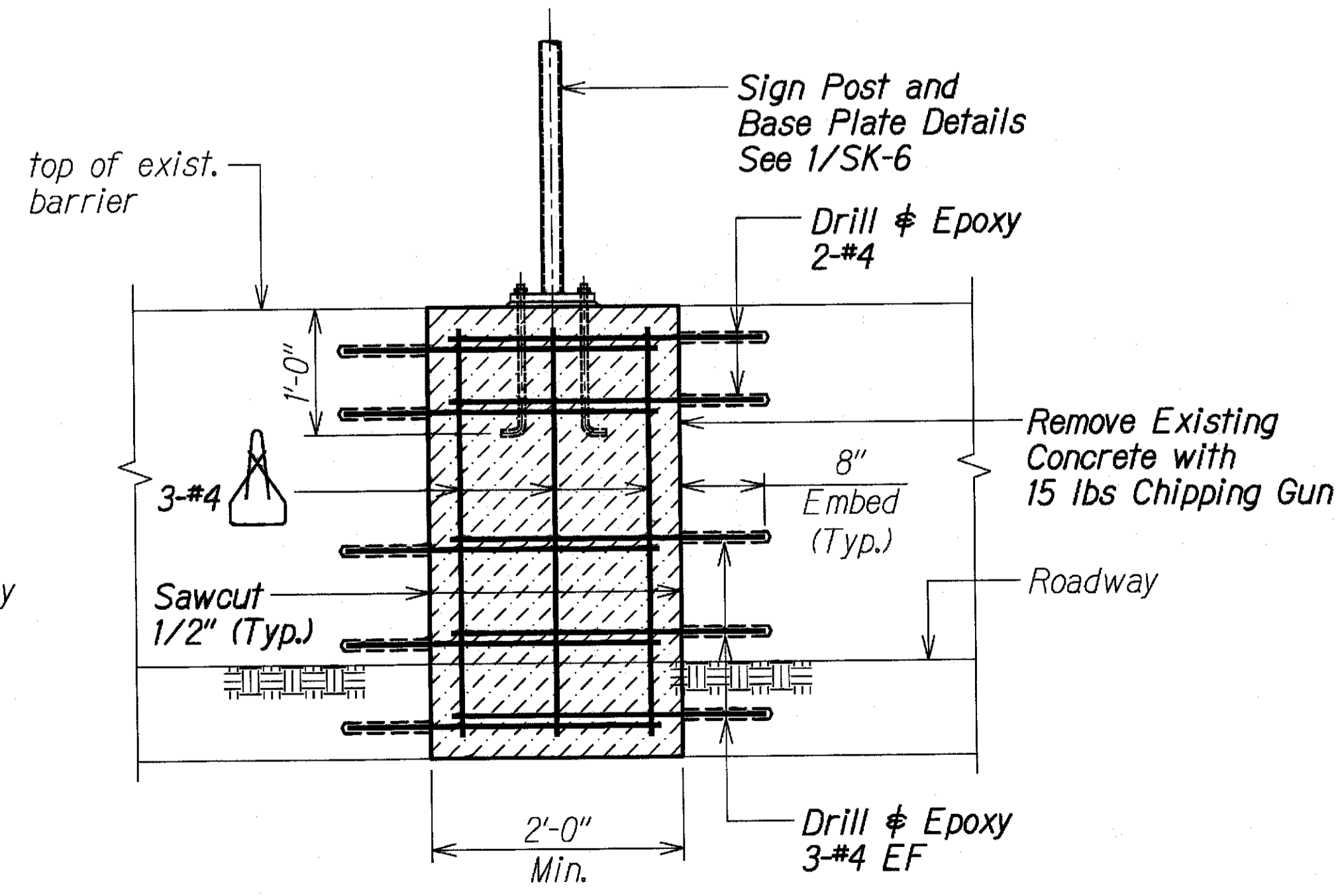
**(OPTION 1 - REINFORCED CONCRETE BARRIER) SECTION B**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6



**SIGN POST BASE PLATE DETAIL 1**  
 Scale: 3" = 1'-0"  
 SK-6 SK-6



**(OPTION 2 - NO REINFORCING IN BARRIER) SECTION C**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6



**(OPTION 2 - NO REINFORCING IN BARRIER) SECTION D**  
 Scale: 1" = 1'-0"  
 SK-6 SK-6

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**SIGN DETAILS AT MEDIAN BARRIER**

INTERSTATE ROUTE H-1 REHABILITATION  
 Middle Street to Vicinity of Ward Avenue  
 FAP No. IM-HI-1(269)

Scale: As Shown Date: June 25, 2014

SHEET No. SK-6 OF SHEETS

DRAWING NAME: 2:00 ONGOING\11-030.1 H1 RESURFACING LIKEWISE TO PUNCHBOWL. POST DESIGN-PB TM\CAD\06-27-14 REV\H1RF-SK-6 SIGN-BARRIER-REFLDWG PLOT TIME: 08-27-14, 2:46 PM  
 ORIGINAL PLAN DRAWN BY: TRACED BY: DESIGNED BY: CHECKED BY: