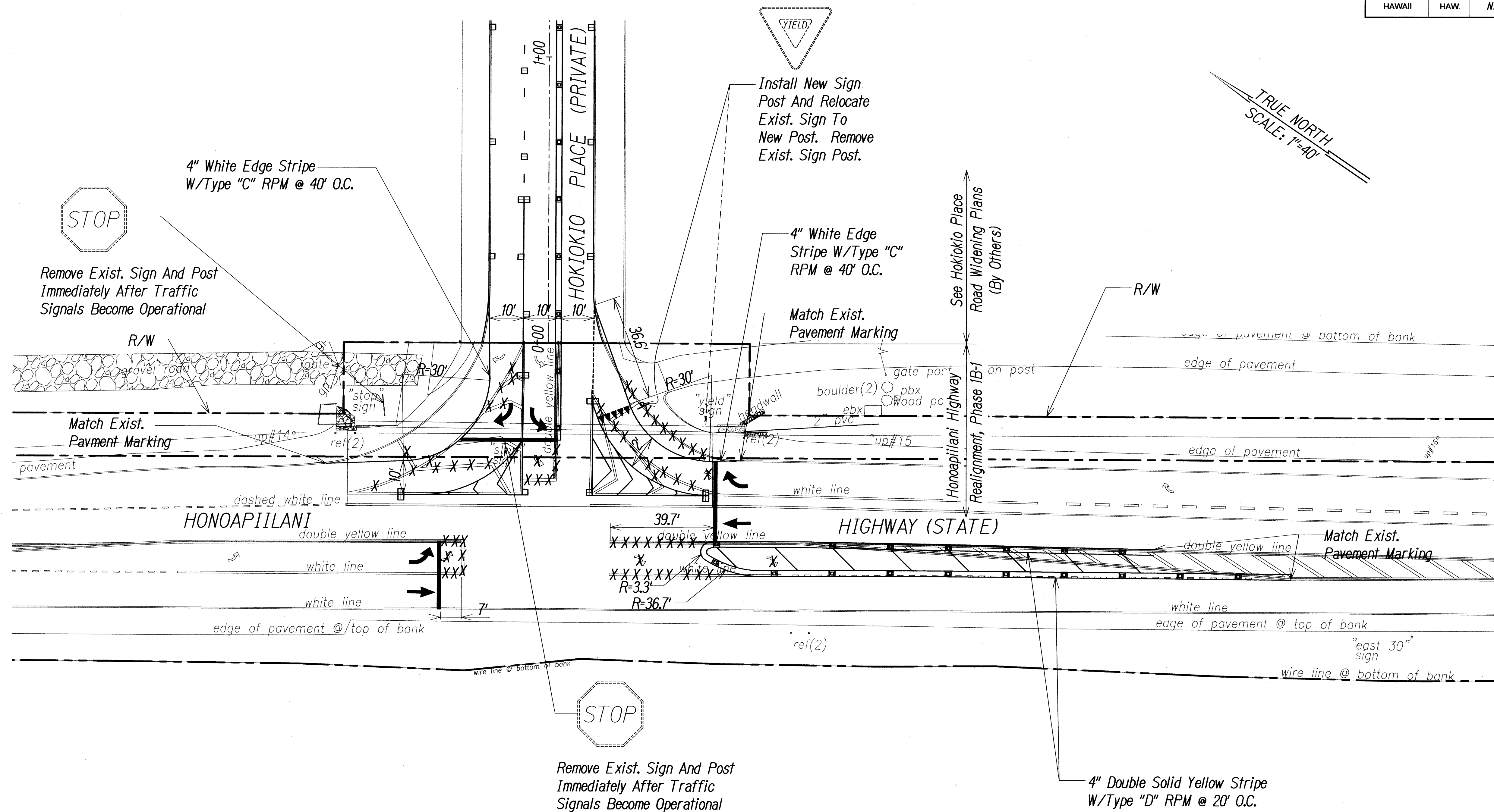


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-K(38)	2010	100	213



LEGEND AND NOTES

XXX Remove Exist. Pavement Marking

For additional pavement marking legends, notes and details, see sheet 62 and 63.



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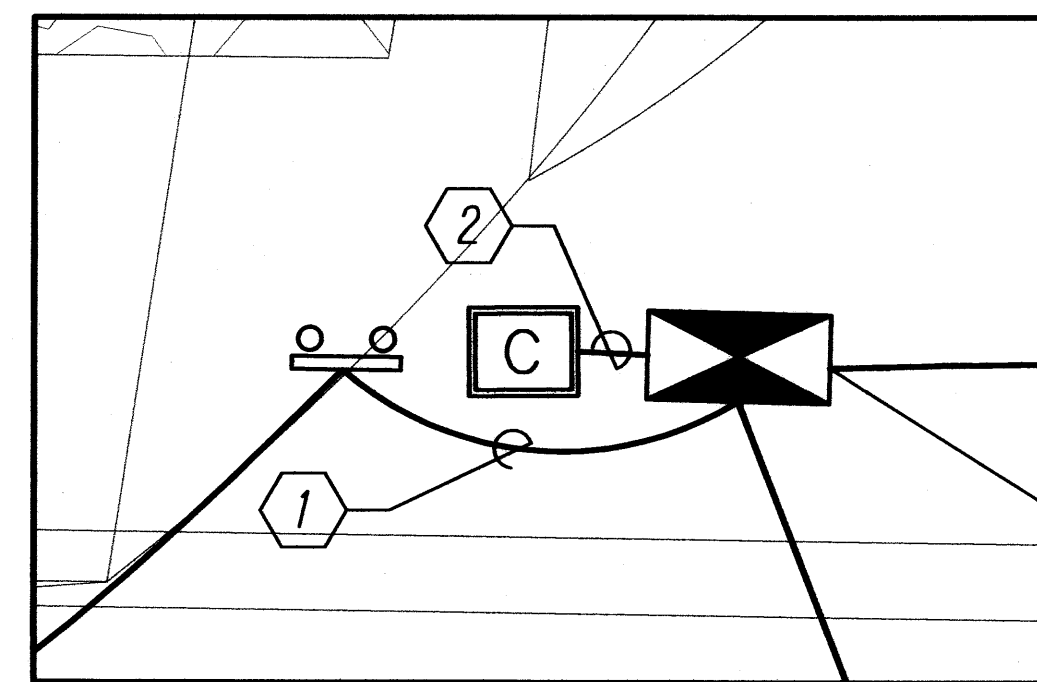
**SIGNAGE & PAVEMENT
MARKING PLAN**

HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahainaluna Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-K(38)

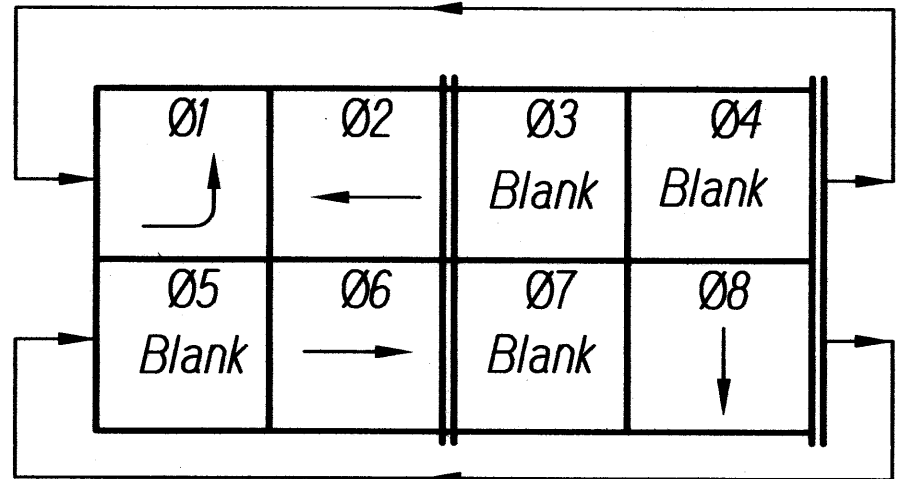
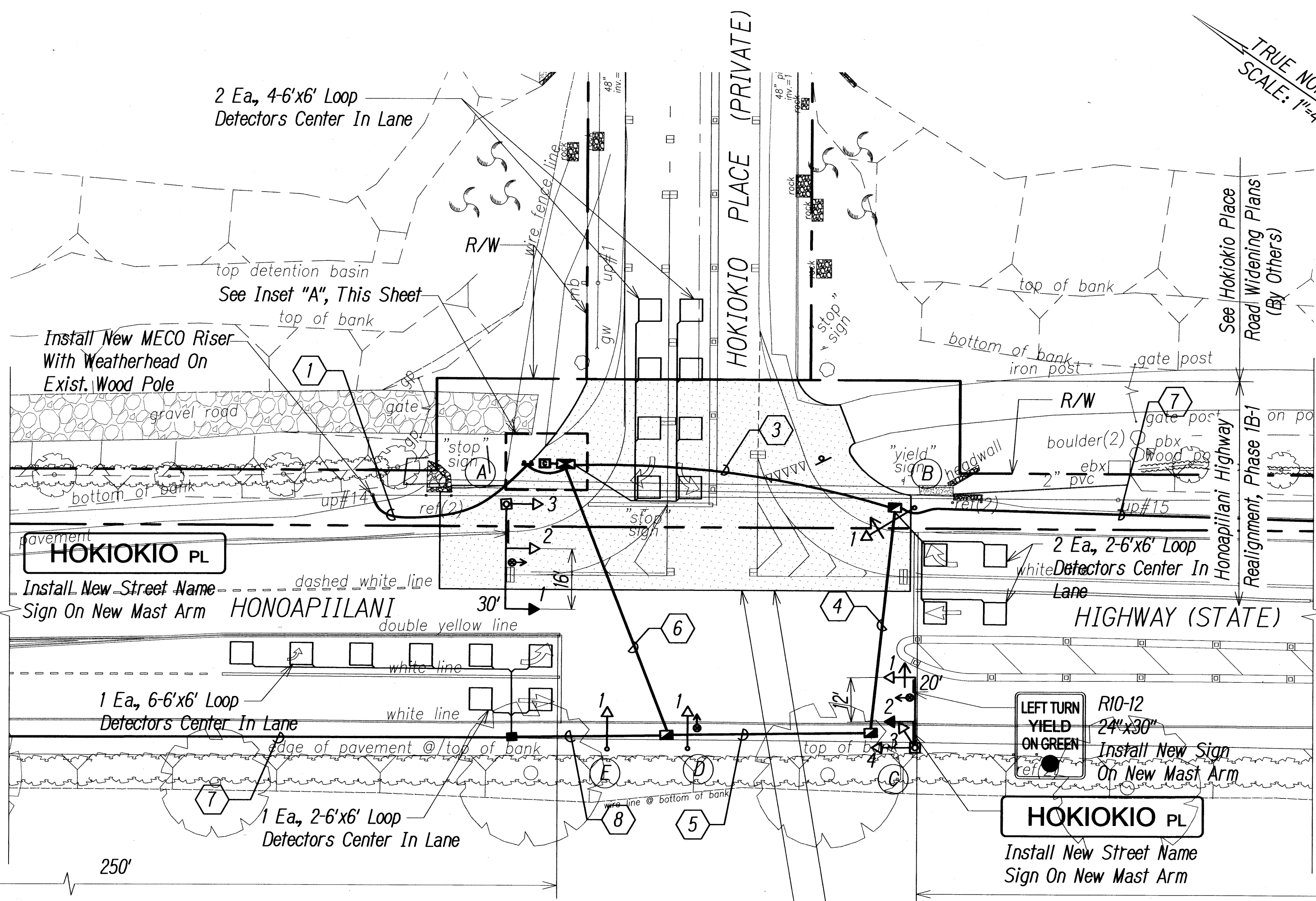
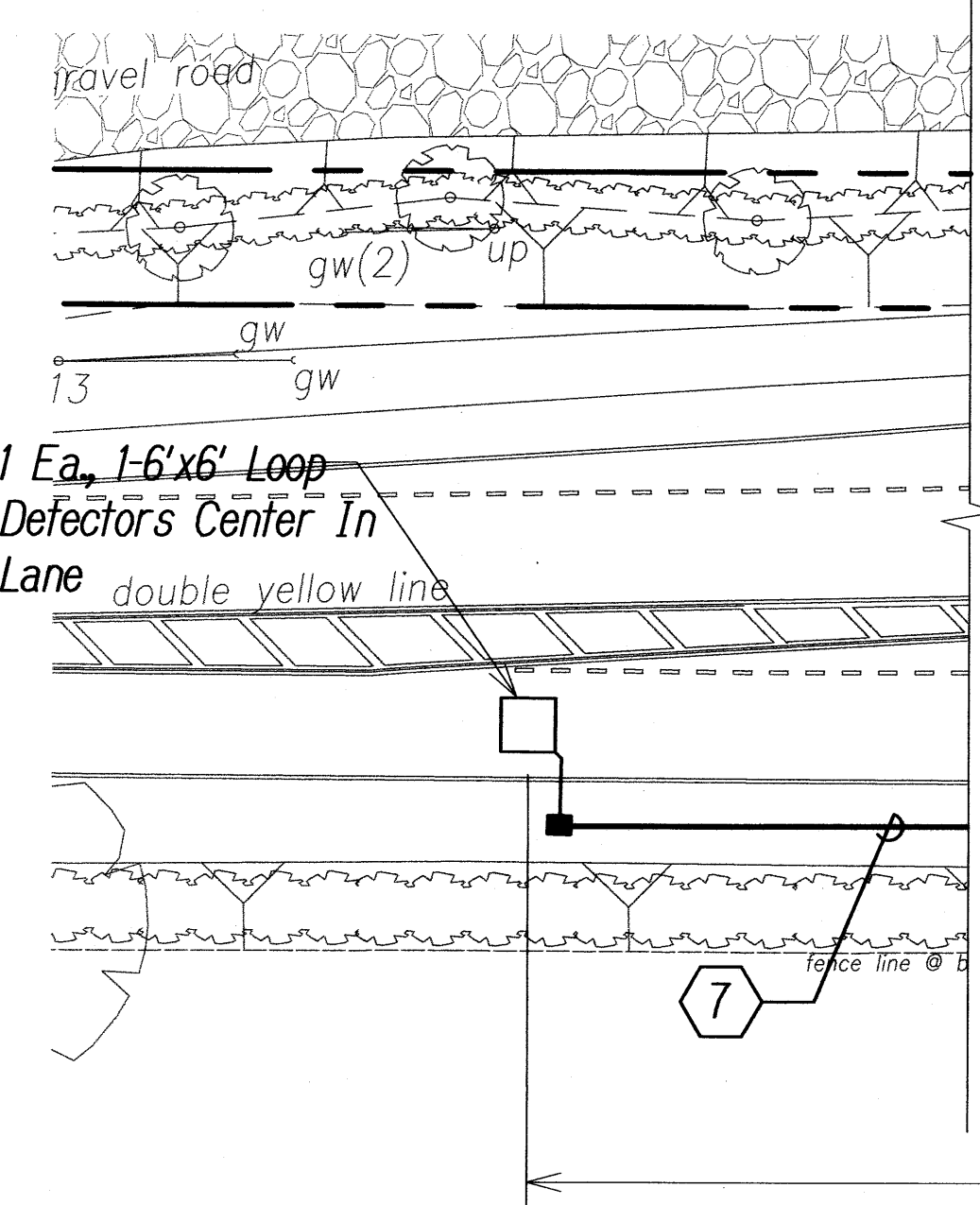
Scale: 1"=20' Date: November 23, 2009

SHEET No. 1 OF 5 SHEETS

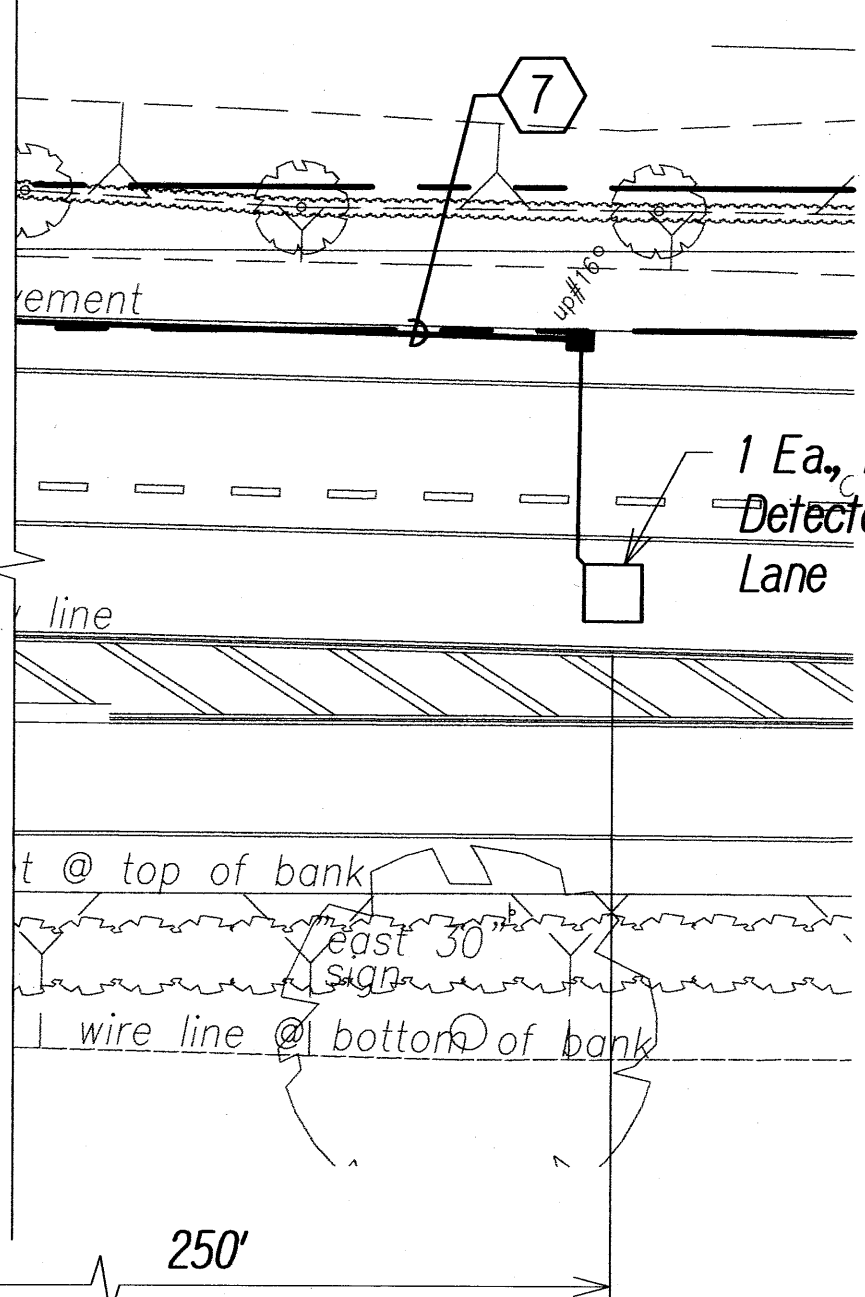
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(38)	2010	102	213



INSET "A"
Scale: 1"=5'



PHASE DIAGRAM
Model 170 Controller
Model 332 Cabinet



CONDUIT AND CABLE SCHEDULE					
Symbol	Conduit	Description	Symbol	Conduit	Description
(1)	2" Conc.	1-3C#6	(5)	2" Conc.	1-26C#14
(2)	2"	1-26C#14	(6)	2" Conc.	1-EVP
	2"	1-26C#14		2" Conc.	Spare
	2"	7-2C#14		2" Conc.	Spare
	2"	1-3C#6		2" Conc.	1-26C#14
	2"	3-EVP		2" Conc.	3-2C#14
	2"	Spare		2" Conc.	Spare
(3)	2" Conc.	1-26C#14	(7)	2"	1-2C#14
	2" Conc.	2-2C#14	(8)	2"	2-2C#14
	2" Conc.	Spare			
	2" Conc.	Spare			
(4)	2" Conc.	1-26C#14			
	2" Conc.	Spare			
	2" Conc.	Spare			
	2" Conc.	Spare			

TRAFFIC SIGNAL PLAN
HONOAPIILANI HIGHWAY AND HOKIOKIO PLACE
Scale: 1"=20'

Match Exist. AC Pavement
And Provide Smooth
Riding Connection, Typ.
For Details, See Sheet 16.
Sawcut, Typ.

Legend:
New AC Pavement

(R)	(R)	(R)
(Y)	(Y)	(Y)
(G)	(G)	(G)
A-2 C-4	A-1	B-1
A-3 D-1	C-2	C-1
C-3 E-1		

SIGNAL INDICATIONS



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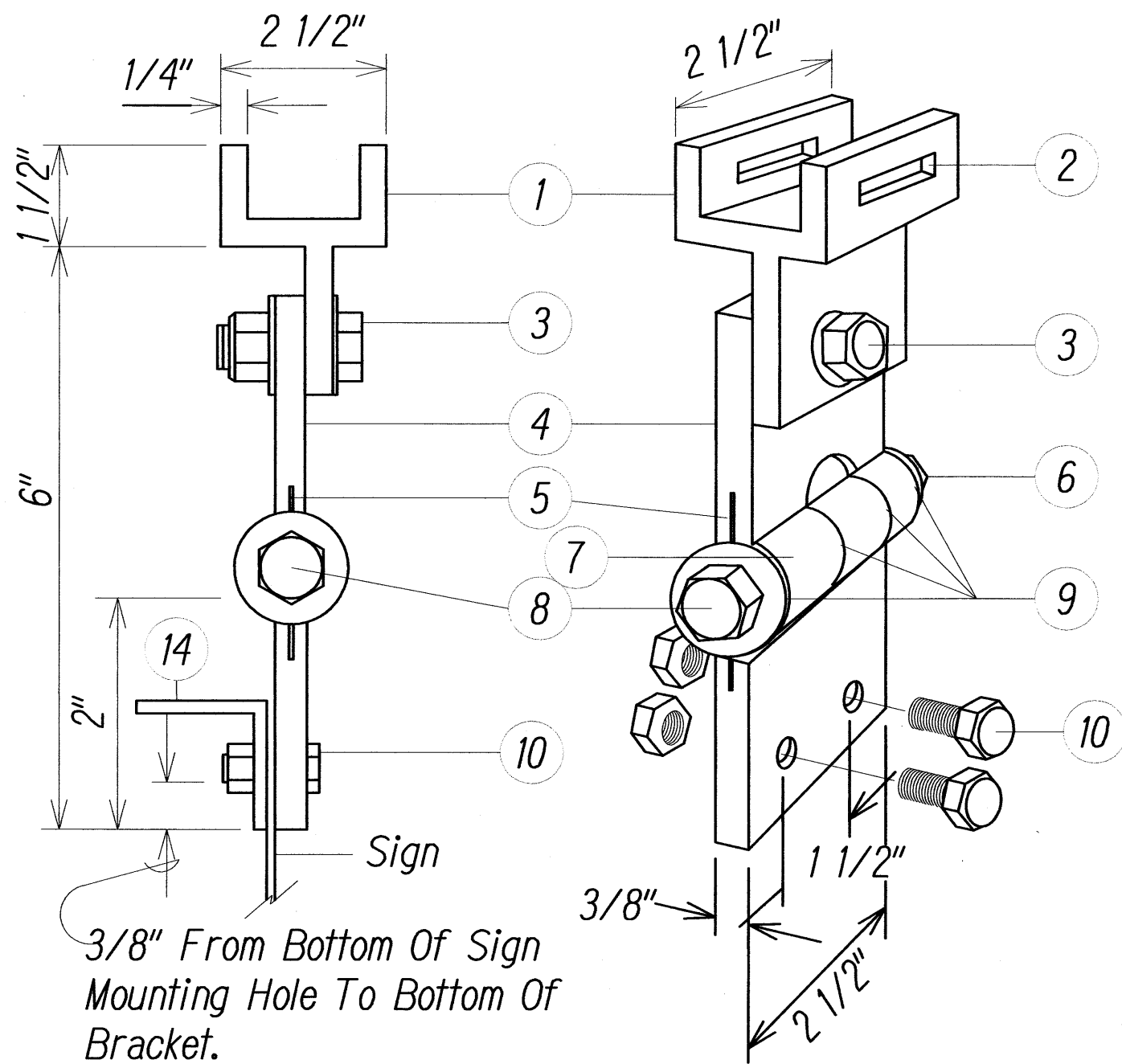
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN

HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahainaluna Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-1(38)

Scale: As Shown Date: November 23, 2009

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-K(38)	2010	103	213

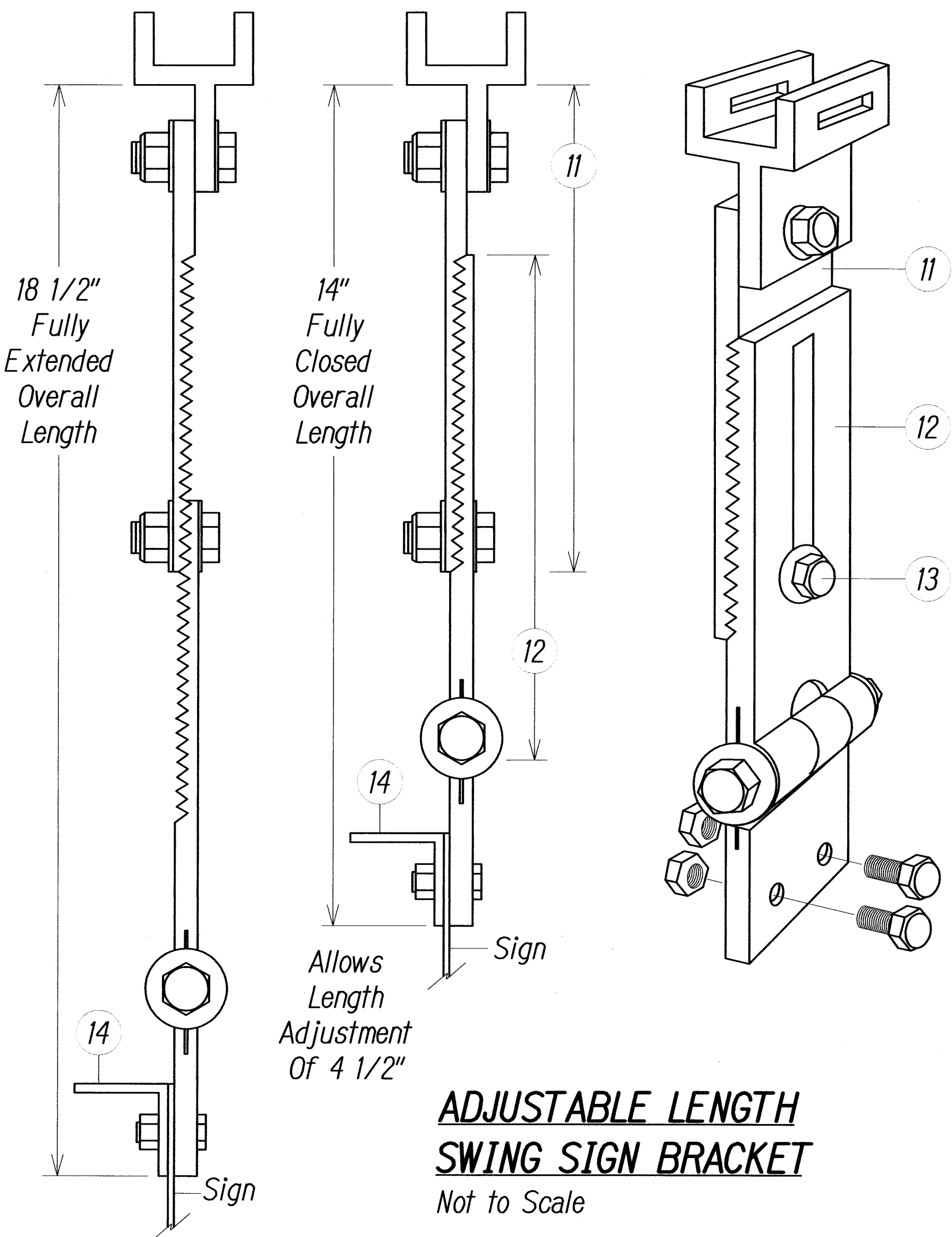


All Aluminum 6061T6 Alloy And Stainless Steel Components.

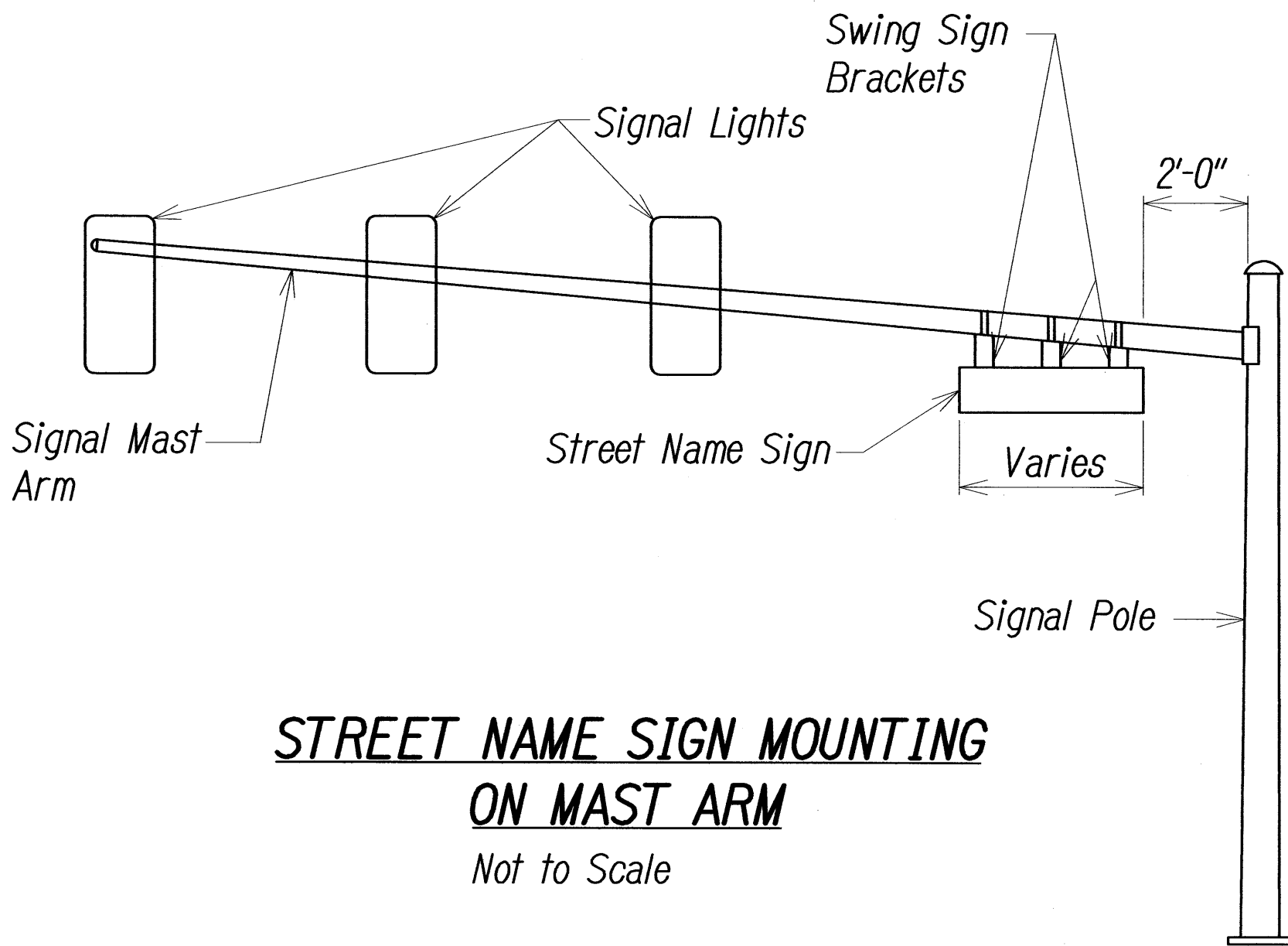
NOTES:
Dimensions may vary slightly.

**FIXED LENGTH NON-ADJUSTABLE
SWING SIGN BRACKET**
NOT TO SCALE

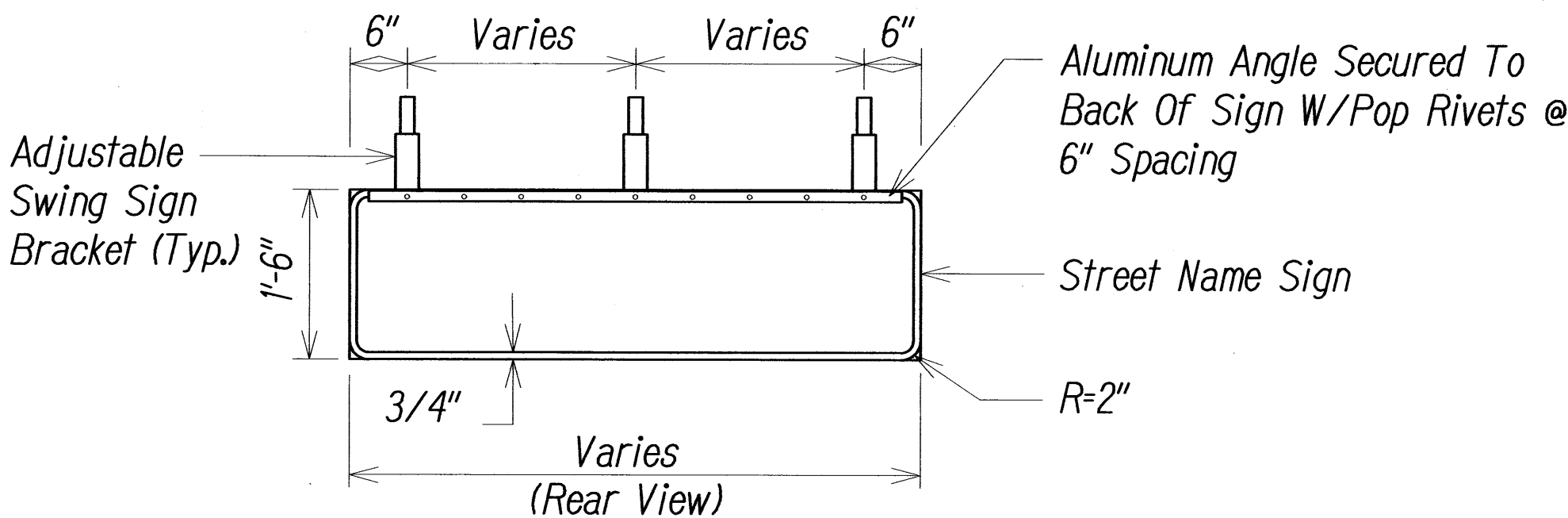
- 1 Pivotal Upper Bracket
- 2 1 5/8" x 1/4" Slot for double strapping to electrolier mast arm. (M2G-34S(HD) .030" x 3/4" Heavy Duty Stainless Steel Strap with M2G-34B(HD) Buckle recommended.)
- 3 1/2" - 13 x 1 1/2" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washer (both sides). Allows upper bracket to pivot and align with electrolier mast arm.
- 4 6" Overall drop with Fixed Length Sign Bracket
- 5 Stainless Steel Dampener Spring (Removable)
- 6 Stainless Steel Hex Lock Nut with 1/16" Stainless Steel Washer
- 7 1" O.D. Axle Housing
- 8 1/2" - 13 x 4" Stainless Steel Hex Head Bolt with 1/16" Stainless Steel Washer
- 9 Oilite Bushing
- 10 Sign Mounting Sets, consisting of two each 5/16" - 18 x 1" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut. Two holes on 1 1/2" centers provide positive lock sign mounting to bracket.
- 11 8 1/4" overall length Upper Adjustable Sign Bracket section
- 12 9" overall length Lower Adjustable Sign Bracket section, including Axle Housing (8" overall length to top of Axle Housing)
- 13 1/2" - 13 x 1 1/2" Stainless Steel Hex Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washers (both sides). Loosen lock nut, adjust bracket teeth to level sign.
- 14 1 1/4" x 1 1/4" x 1/8" Aluminum Angle



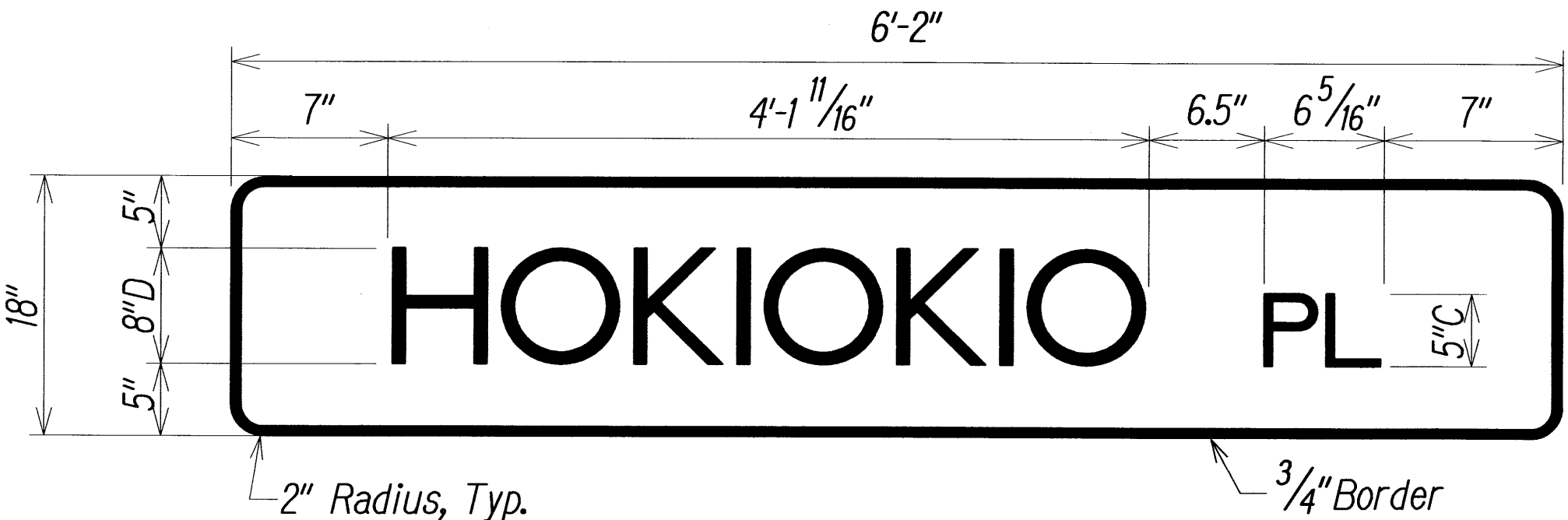
**ADJUSTABLE LENGTH
SWING SIGN BRACKET**
Not to Scale



**STREET NAME SIGN MOUNTING
ON MAST ARM**
Not to Scale



**PANEL & SWING BRACKET LAYOUT
FOR STREET NAME SIGN**
Not to Scale



NOTES:

1. Street name signs shall have white message and border on green background.
2. All sign faces shall be completely reflectorized with Type "B" reflective sheeting.
3. The sign shall be in conformance with the requirements of Section 750 of the Standard Specification.



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STREET NAME SIGN DETAILS
HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahainaluna Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-K(38)
Scale: As Shown Date: November 23, 2009

