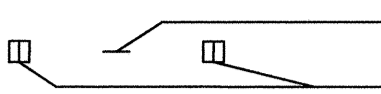
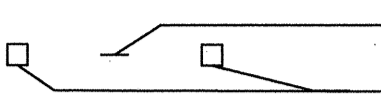
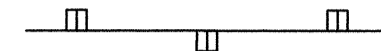
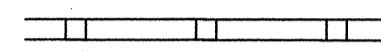

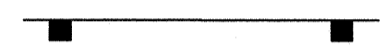
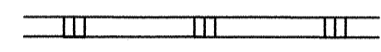



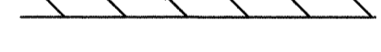


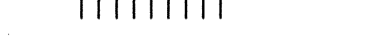


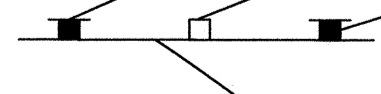
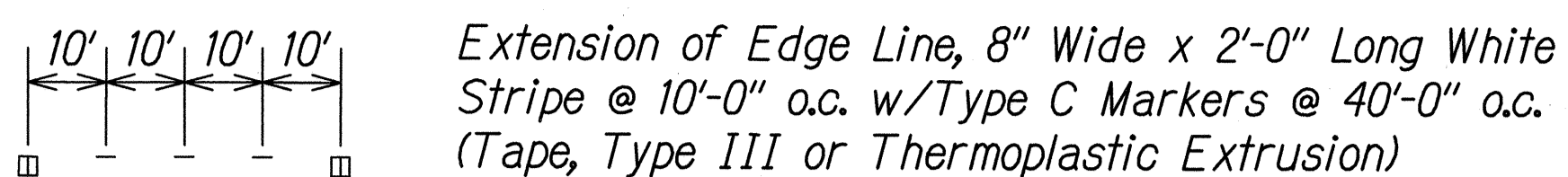


**PAVEMENT MARKING LEGEND:**

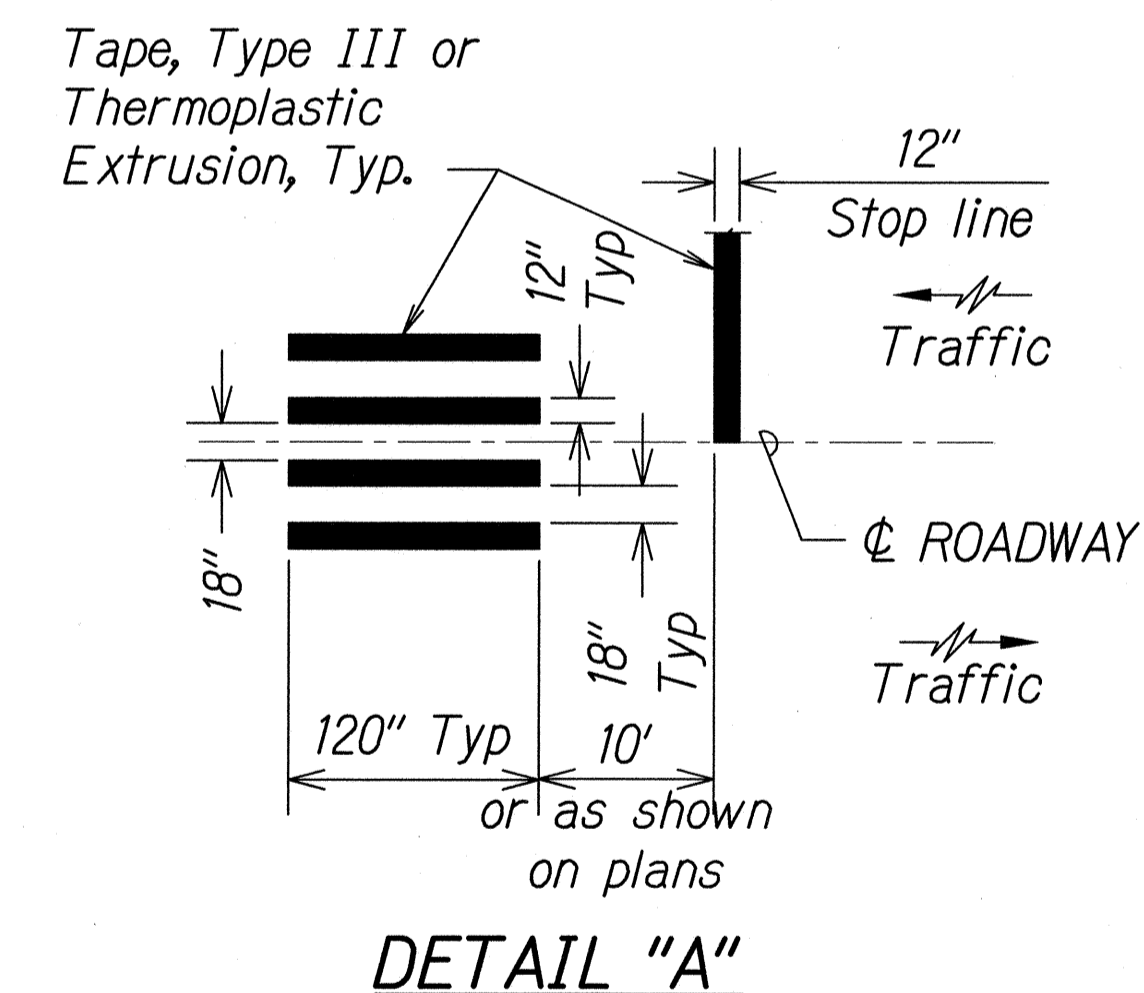
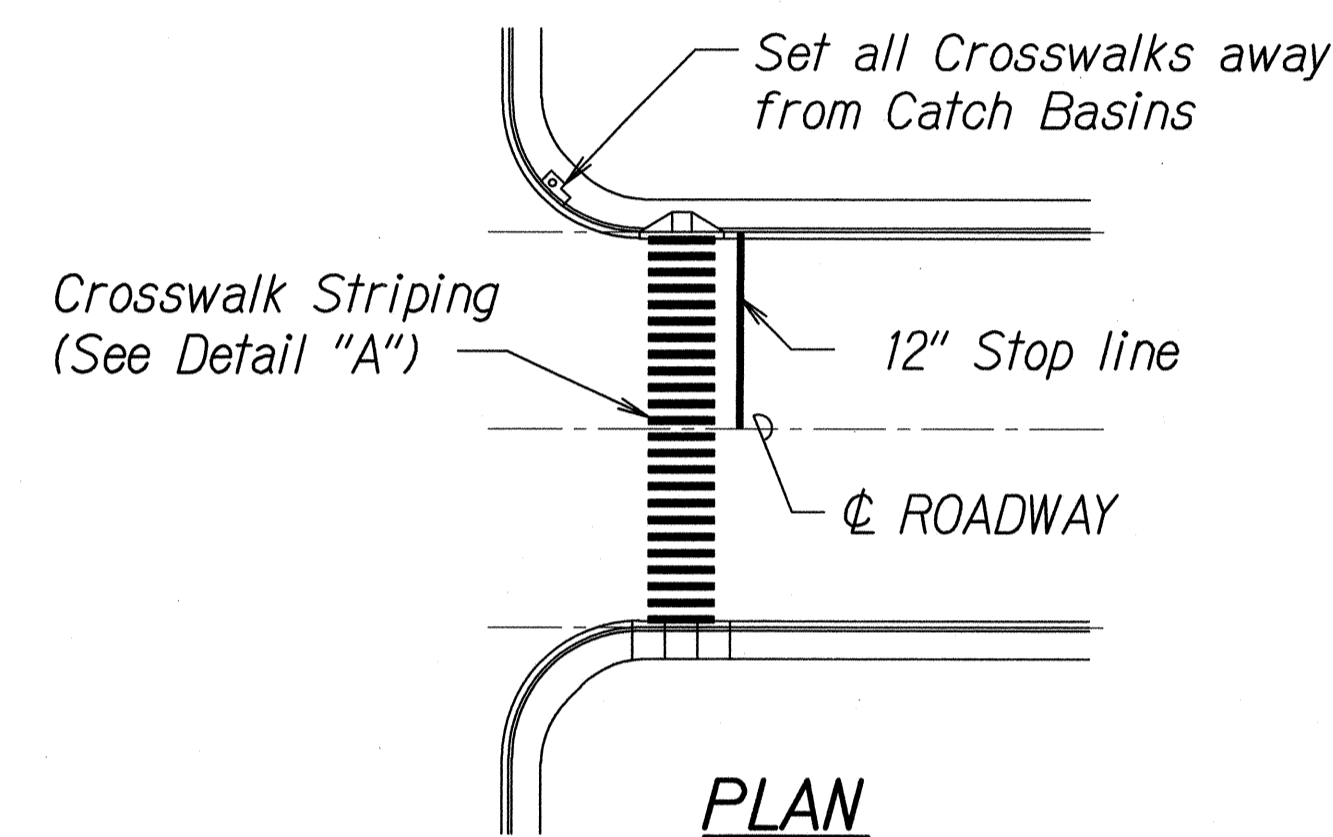
-  4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40'-0" o.c.
-  4 each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised  
Pavement Markers @ 20'-0" o.c. (Tape, Type I  
or Thermoplastic Extrusion)
-  4" Double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



**NOTES:**

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings and striping not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. Curb marking shall include top and front face of curb.
10. Backing for all new regulatory and warning signs shall not be spliced. All sign panels shall conform to the latest editions and amendments of the following FHWA publications:
  - a. "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
  - b. "Standard Highway Signs"
  - c. "Standard Alphabet for Highway Signs"
11. All panels shall be reflectorized in accordance with Section 750.01 of the Standard Specifications. Minimum width of panels shall be 2 feet, 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.
12. 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.
13. Final location of all sign post installed within the sidewalk areas shall maintain a minimum clearance width of 36 inches from sidewalk edge to provide for wheelchair accessibility.
14. Removing existing signs and reinstalling on new post shall not be paid for separately, but shall be considered incidental to the various signing items.
15. Signs placed along bikeways shall have a minimum height clearance of 10'-0".
16. All existing sign post(s) to remain within the sidewalk area shall meet the minimum clear width of 36 inches from the sidewalk edge. Where necessary, the existing sign post(s) shall be relocated to meet the minimum clear width. this work shall not be paid for separately but shall be considered incidental to the various signing items.

17. All pavement markings disturbed during the construction beyond the limits of the Project, shall be striped to its original layout. Cost of this work shall be considered incidental to various contract items.
18. Removing and Reinstalling existing Street Name Signs on Regulatory and Warning Signs Post shall not be paid for separately but shall be considered incidental to the various Signing Items.
19. install Type II Object Marker on all utility poles or trees that are within the State Highway right-of-way and within 50 feet of the roadway edge of pavement shall be marked as directed by the Engineer.



**CROSSWALK STRIPING DETAIL**

Scale: N.T.S.



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION

*Corey Matsuda* 4/30/16  
SIGNATURE EXPIRATION  
DATE OF THE  
LICENSE

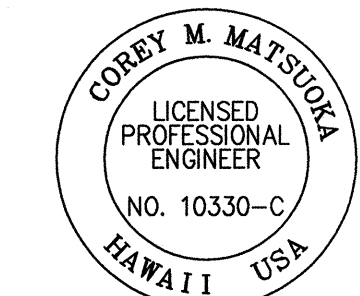
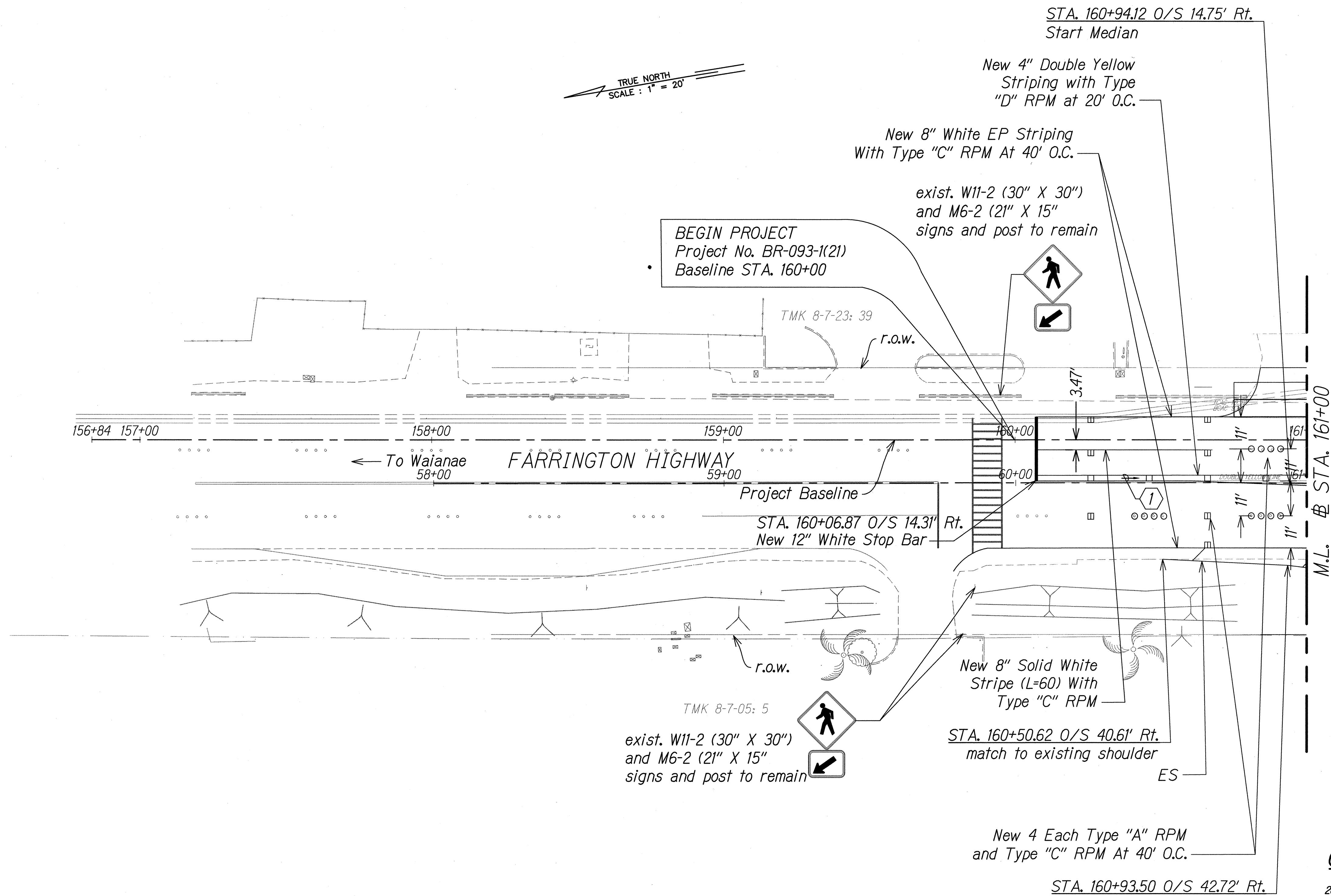
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT  
MARKING PLAN**

FARRINGTON HIGHWAY  
Replacement of Maipalaoa Bridge  
Federal Aid Project No. BR-093-1(21)

Scale: N.T.S. Date: JUNE 2015  
SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-093-1(21)	2015	47	99



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OR UNDER MY SUPERVISION

*Corey Matsuda* 4/30/16  
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT  
MARKING PLAN**

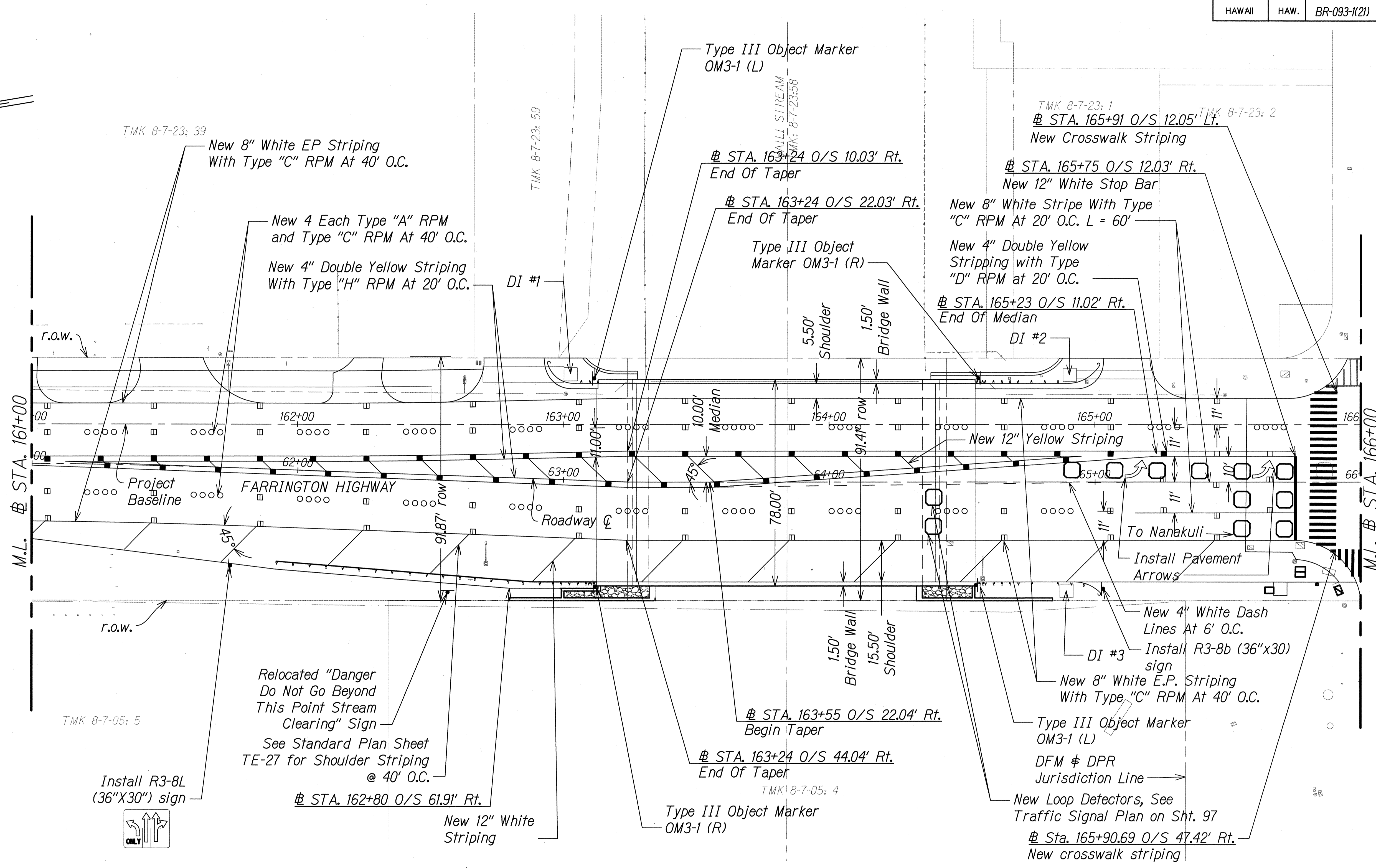
FARRINGTON HIGHWAY  
Replacement of Maipalaoa Bridge  
Federal Aid Project No. BR-093-1(21)

Scale: 1" = 20' Date: JUNE 2015

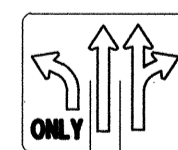
SHEET No. 2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-093-1(21)	2015	48	99

TRUE NORTH  
SCALE: 1" = 20'



Install R3-8L (36"X30") sign



Relocated "Danger Do Not Go Beyond This Point Stream Clearing" Sign  
See Standard Plan Sheet TE-27 for Shoulder Striping @ 40' O.C.

# STA. 162+80 O/S 61.91' Rt.

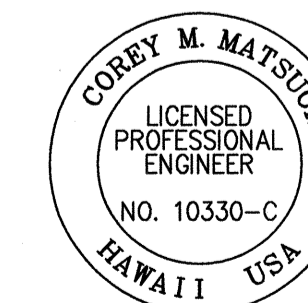
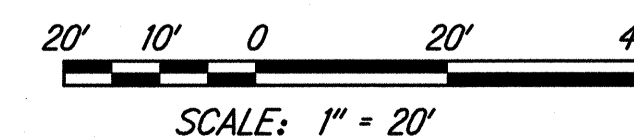
New 12" White Striping

# STA. 163+55 O/S 22.04' Rt. Begin Taper

# STA. 163+24 O/S 44.04' Rt. End Of Taper

Type III Object Marker OM3-1 (R)

GRAPHICAL SCALE:



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Signature: *Corey M. Matsuda* 4/30/16  
DATE OF THE LICENSE

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT MARKING PLAN**

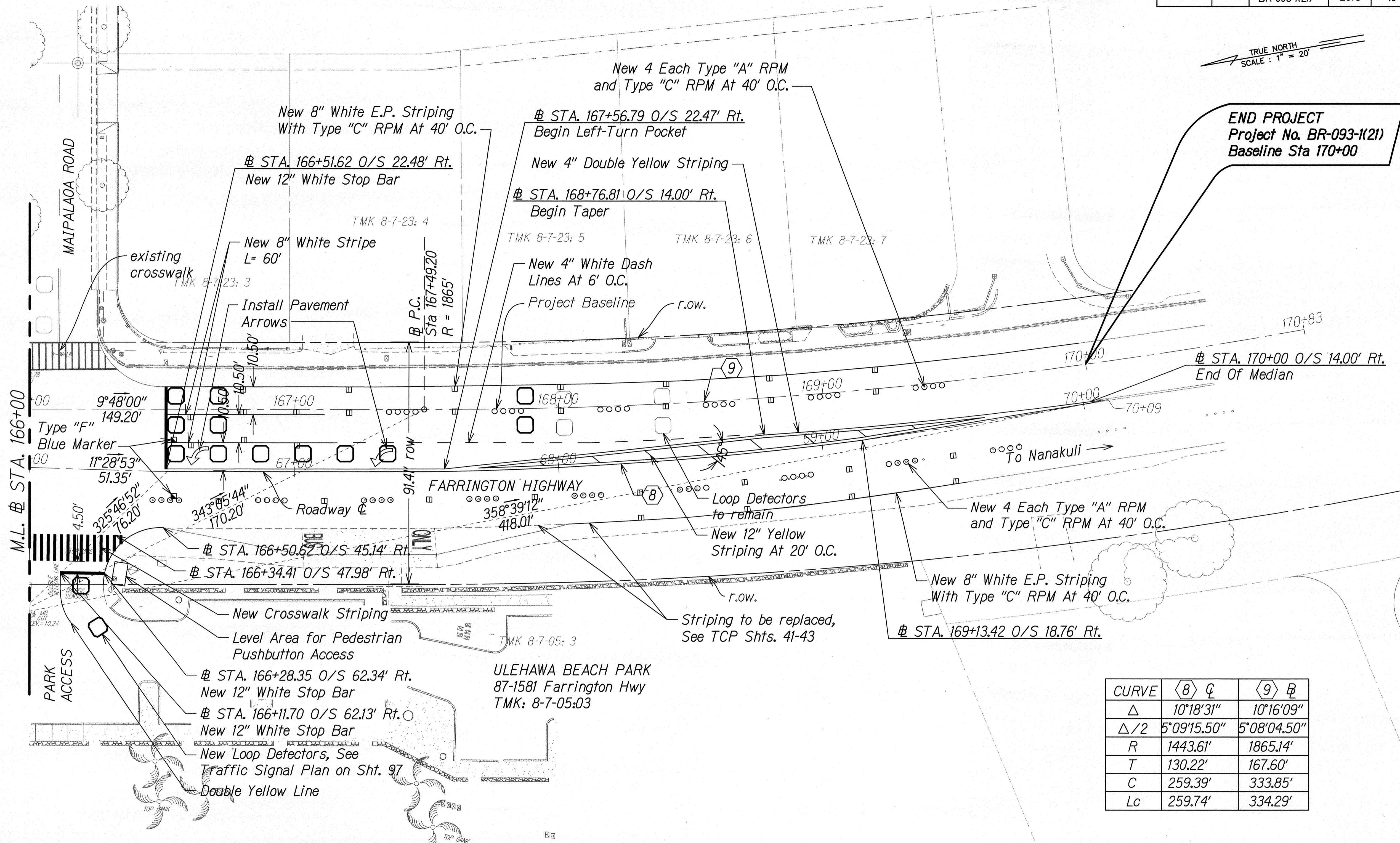
FARRINGTON HIGHWAY  
Replacement of Maipalaoa Bridge  
Federal Aid Project No. BR-093-1(21)

Scale: 1" = 20' Date: JUNE 2015

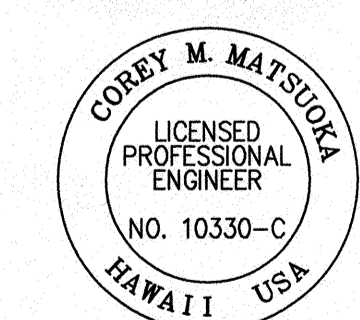
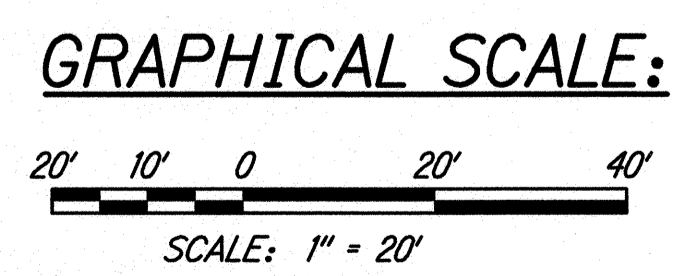
SHEET No. 3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-093-1(21)	2015	49	99

TRUE NORTH  
SCALE: 1" = 20'



CURVE	(8) $\Delta$	(9) $\Delta$
$\Delta$	10°18'31"	10°16'09"
$\Delta/2$	5°09'15.50"	5°08'04.50"
R	1443.61'	1865.14'
T	130.22'	167.60'
C	259.39'	333.85'
Lc	259.74'	334.29'



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*Corey Matsuda* 4/30/16  
SIGNATURE      EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT MARKING PLAN**

FARRINGTON HIGHWAY  
Replacement of Maipalaoa Bridge  
Federal Aid Project No. BR-093-1(21)

Scale: 1" = 20'      Date: JUNE 2015  
SHEET No. 4 OF 4 SHEETS