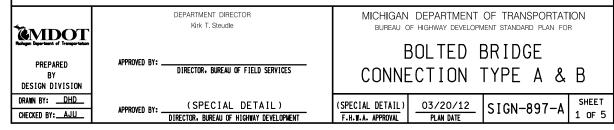


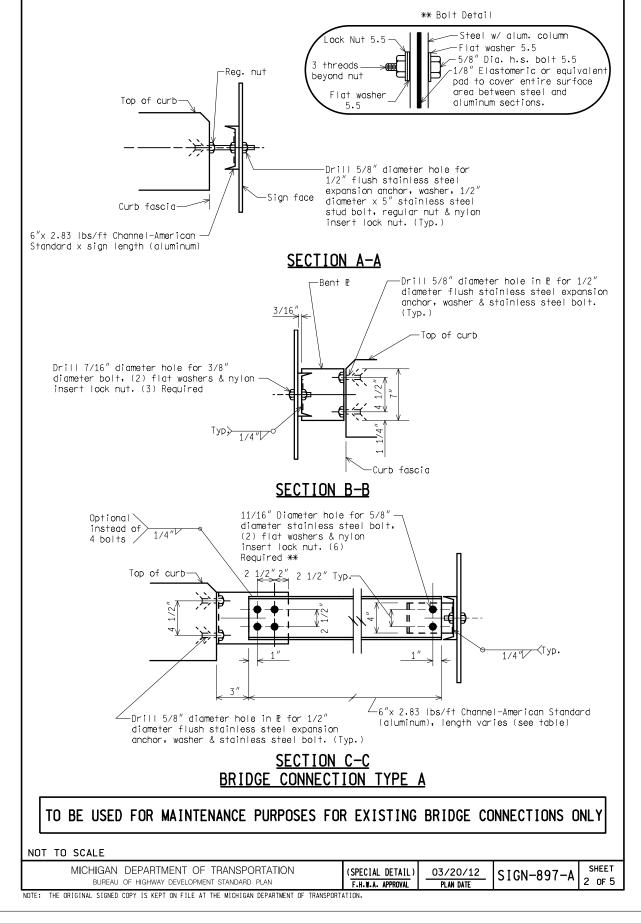
TYPE A BRIDGE CONNECTION TABLE							
SKEW CONNECTION ANGLE A ANGLE B			CHANNEL STRUT LENGTH (inches)	ANCHOR SPACING			
0° -10°	0°			MATCH SIGN HOLES			
11° -20°	10°	80°	6 x 2.83 lbs/ft x 1'-4 3/4" CHANNEL-AMERICAN STANDARD	5'-6"			
21° -30°	20°	70°	6 x 2.83 lbs/ft x 2'-11 1/2" CHANNEL-AMERICAN STANDARD	5'-11 1/2"			
31° -40°	30°	60°	6 x 2.83 lbs/ft x 3'-7 1/2" CHANNEL-AMERICAN STANDARD	6'-5 1/2"			
41° -50°	40°	50°	6 x 2.83 lbs/ft x 5'-1 1/4" CHANNEL-AMERICAN STANDARD	7'-3 1/4"			

## BRIDGE CONNECTION TYPE A

TO BE USED FOR MAINTENANCE PURPOSES FOR EXISTING BRIDGE CONNECTIONS ONLY

OLD VIII-810E





AS-LET PLAN REVISIONS

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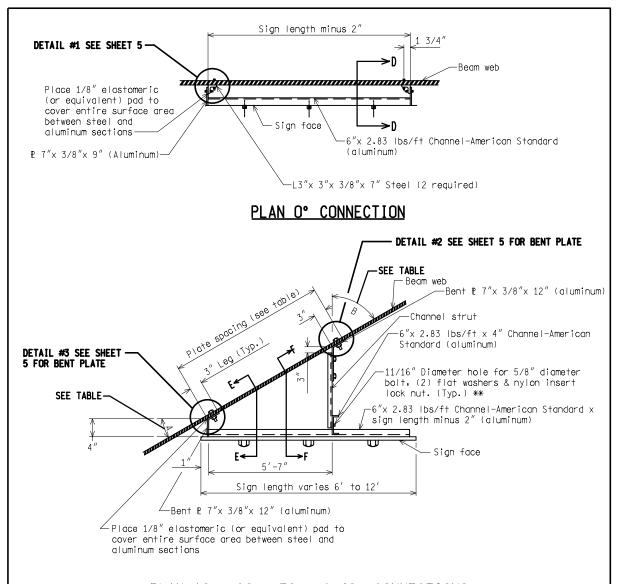
Output

Description

Description

Michigan Department of Transportation

		DATE:	CS:	DRAWING	SHEET
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PLAN 10°, 20°, 30°, & 40° CONNECTIONS

\*\* See page 2 of 5 for bolt detail

TYPE B BRIDGE CONNECTION TABLE							
SKEW CONNECTION ANGLE ALANGLE B			CHANNEL STRUT LENGTH (inches)	ANCHOR SPACING			
0° -10°	0°			MATCH SIGN HOLES			
11° -20°	10°	80°	6 x 2.83 lbs/ft x 1'-4 3/4" CHANNEL-AMERICAN STANDARD	5'-11"			
21° -30°	20°	70°	6 x 2.83 lbs/ft x 2'-11 1/2" CHANNEL-AMERICAN STANDARD	6'-2 1/2"			
31° -40°	30°	60°	6 x 2.83 lbs/ft x 3'-7 1/2" CHANNEL-AMERICAN STANDARD	6'-8 1/2"			
41° -50°	40°	50°	6 x 2.83 lbs/ft x 5'-1 1/4" CHANNEL-AMERICAN STANDARD	7'-6 1/2"			

## BRIDGE CONNECTION TYPE B

TO BE USED FOR MAINTENANCE PURPOSES FOR EXISTING BRIDGE CONNECTIONS ONLY

NOT TO SCALE

DESCRIPTION

NO. DATE AUTH

AS-LET PLAN REVISIONS

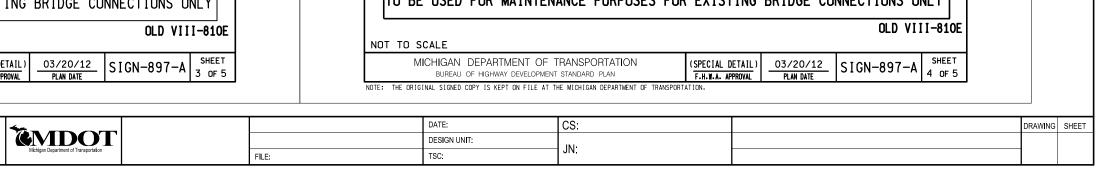
NO. DATE AUTH

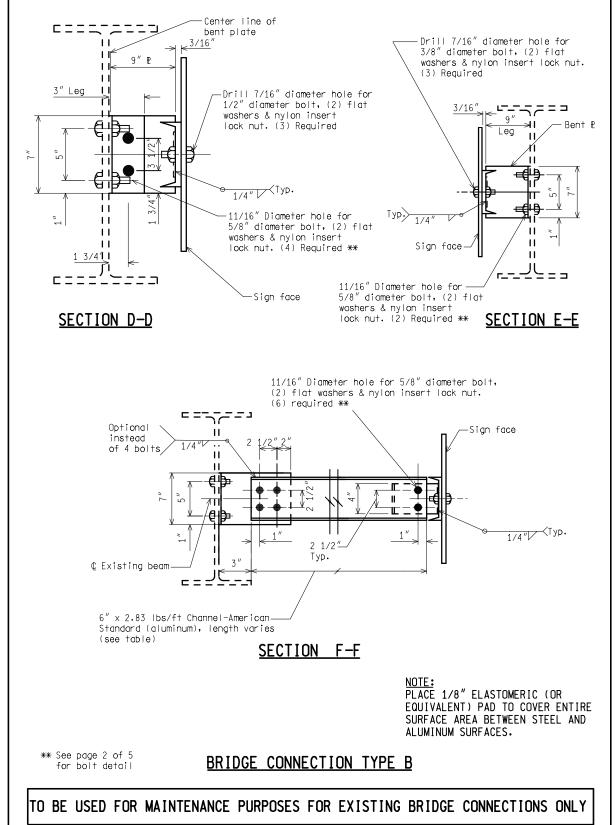
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN

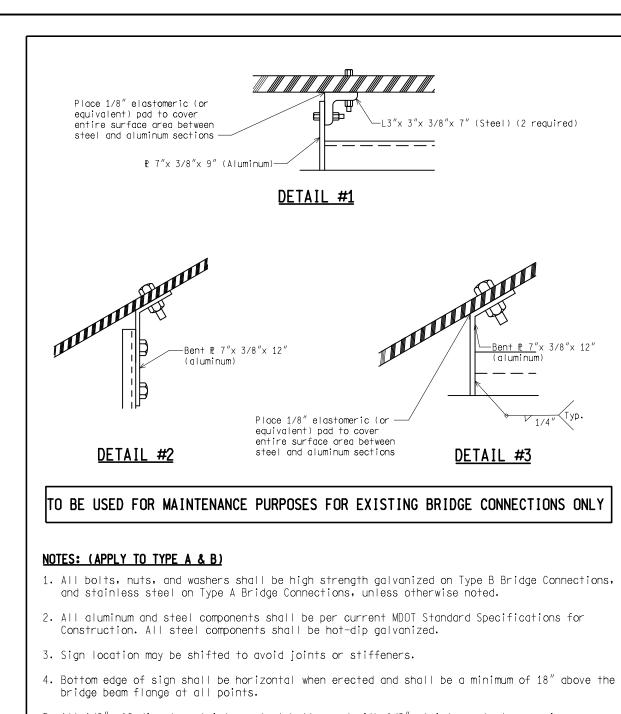
(SPECIAL DETAIL)

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

DESCRIPTION







- 1. All bolts, nuts, and washers shall be high strength galvanized on Type B Bridge Connections,

- 5. All 1/2"x 16 diameter stainless steel bolts used with 1/2" stainless steel expansion anchors shall be 1" long ( $\pm$  0") and shall engage expansion anchors 1 1/2"x bolt diameter or (9) threads minimum except for 0° connections to bridge fascia (Type A).
- 6. These bridge connections are to be used with Type II or III Sign.
- 7. Extreme caution shall be exercised when drilling holes for the 1/2" dia. expansion anchors
- 8. Expansion anchors shall be chosen from the current Qualified Products List.
- 9. Expansion anchors shall be installed as per manufacturer's recommendations.

OLD VIII-810E

## NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION (SPECIAL DETAIL) 03/20/12 SIGN-897-A BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN F.H.W.A. APPROVAL

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

	AS-LET PLAN REVISIONS						
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

Michigan Department of Transportation
Michigan Department of Transportation

	DATE:	CS:	DRAWING	SHEET	i
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FILE:	TSC:				i