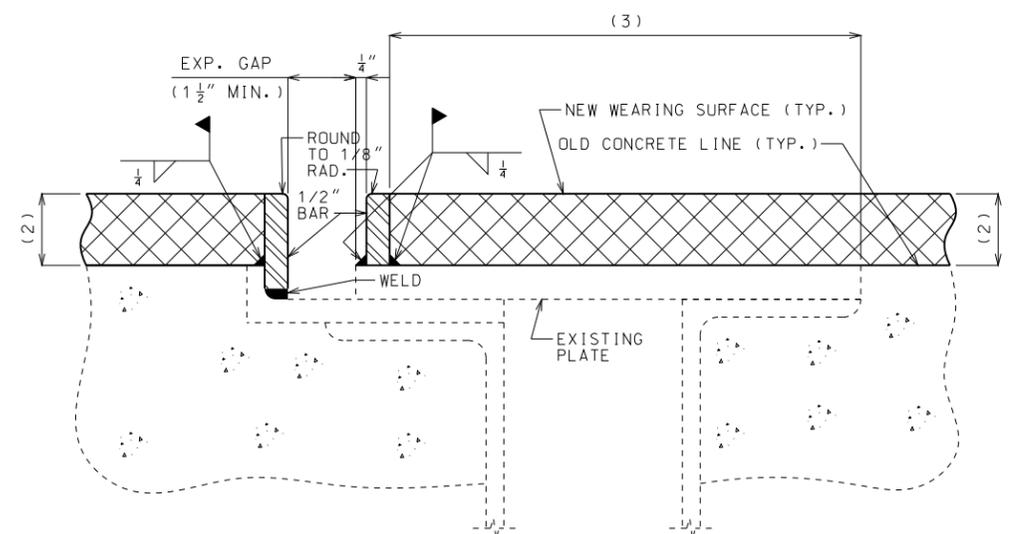


**PART SECTION THRU EXPANSION DEVICE DAMS AT FINGER TYPE EXPANSION DEVICES TYPE "A"**

NOTE: DASHED LINES INDICATE OLD WORK. SOLID LINES INDICATE NEW WORK.

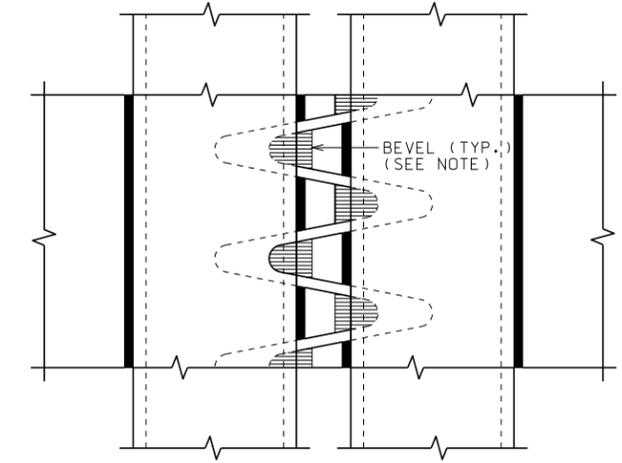


**PART SECTION THRU EXPANSION DEVICE DAMS AT PLATE TYPE EXPANSION DEVICES TYPE "B"**

**GENERAL NOTES:**

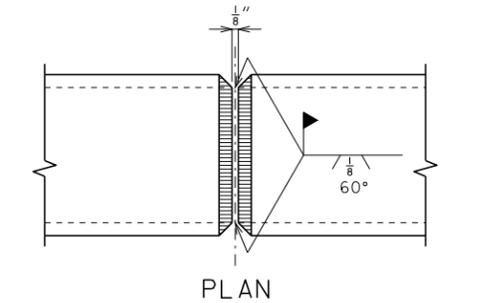
- STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM A709 GRADE 36. QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED. E7016 OR E7018 ELECTRODES SHALL BE USED.
- THE STEEL DAMS SHALL EXTEND FULL ROADWAY WIDTH BETWEEN CURBS, BUT SHALL BE INSTALLED IN SECTIONS OF SUCH LENGTHS TO PERMIT AT LEAST ONE WAY TRAFFIC AT ALL TIMES. BEFORE TRAFFIC IS PERMITTED TO CROSS OVER SECTIONS OF DAMS IN PLACE, SUFFICIENT WEARING SURFACE SHALL BE PLACED ON ROADWAY SLAB ADJACENT TO BOTH SIDES OF EXPANSION DEVICE TO PREVENT ANY DAMAGE TO EITHER THE STEEL DAMS OR TIRES OF VEHICLES.
- STEEL DAMS SHALL BE FABRICATED AND INSTALLED TO THE CROWN AND GRADE OF THE ROADWAY.
- STEEL CHANNELS OR BARS ON BOTH SIDES OF EXPANSION JOINT, FOR FULL WIDTH OF ROADWAY, WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR STEEL BAR DAM.
- PAINT INSIDE SURFACE OF CHANNEL 5.0 MILS THICKNESS OF INORGANIC ZINC PRIMER.
- SHOP DRAWINGS WILL NOT BE REQUIRED FOR STEEL BAR DAMS.
- (1) WEARING SURFACE THRU 1-3/4". USE CHANNEL C6 x 10.5. WEARING SURFACE GREATER THAN 1-3/4" TO 2-1/4", USE CHANNEL C7 x 14.75 OR MC6 x 15.1.
- (2) SEE BRIDGE PLANS FOR REQUIRED WEARING SURFACE THICKNESS.
- (3) WHEN THIS DIMENSION EXCEEDS 3" AND A CONCRETE WEARING SURFACE IS USED, TACK WELD A ONE INCH BAR CHAIR TO THE PLATE FOR EACH 3" OF PLATE TO BE COVERED BY WEARING SURFACE.

NOTE: NOTCH FLANGE WHERE NECESSARY TO CLEAR RIVET HEADS.

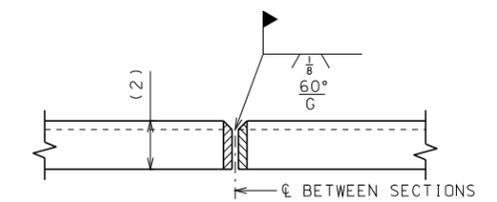


NOTE: TOP SURFACE AT ENDS OF ALL TEETH TO BE BEVELED 1/8" IN 1-1/2" TO PERMIT FREE MOVEMENT UNDER NEW 6" OR 7" CHANNEL.

**PART PLAN AT EXPANSION DEVICE**



**PLAN**



**ELEVATION**

**DETAILS OF CHANNEL SPLICE**

NOTE: FIELD SPLICE TO BE AT C ROADWAY FOR 2 LANE BRIDGES.

		<b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b>	
		105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		<b>STEEL DAMS</b> AT EXPANSION DEVICES FOR RESURFACING BRIDGE FLOORS	
DATE EFFECTIVE:	07/01/2004	<b>712.40J</b>	SHEET NO.
DATE PREPARED:	9/3/2009		1 OF 1

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.