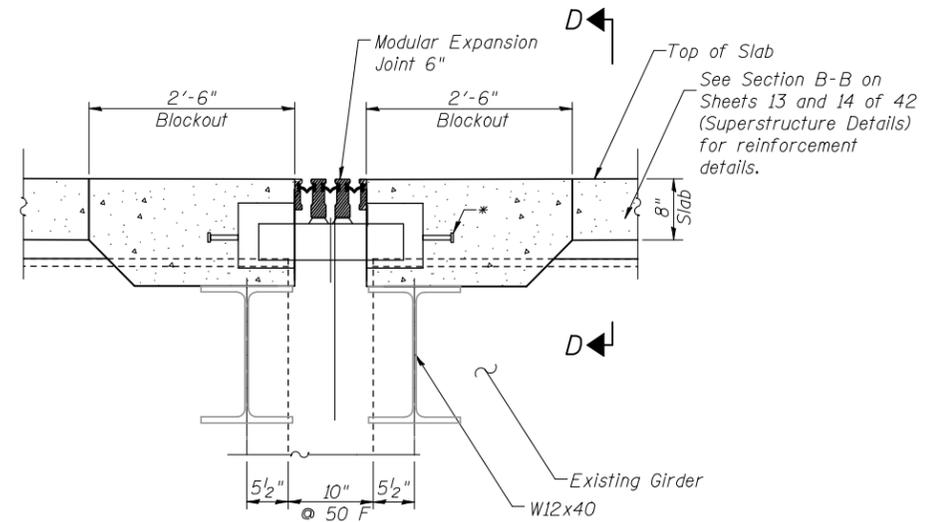


\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

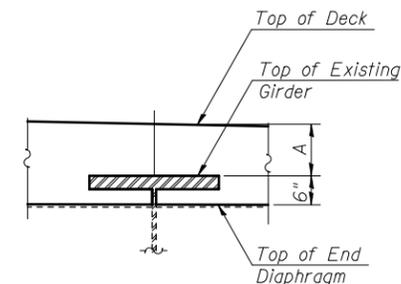


\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

Notes:  
 Modular expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.  
 The manufacturer's recommended installation and fabrication methods shall be followed as approved by the Engineer.  
 Parapet plates, Sidewalk plates, shims, stools, brackets, anchorage studs, hardware and any additional reinforcement are included in the cost of Modular Expansion Joint 6".  
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.  
 The modular expansion joint system shall be capable of handling 2 1/2" of longitudinal movement either direction from 50°F (5" total).  
 Support boxes shall be rigidly attached to diaphragms and backwall by adjustable brackets, stools or shims.  
 Prior to ordering stools or shims, the Contractor shall verify in the field all top of steel support elevations.  
 See Guide Bridge Special Provision for Modular Expansion Joint.

Beam Number	Dim. A	
	E.B.	W.B.
1&6	10 1/2"	1'-0 1/2"
2&5	1'-0"	1'-2"
3&4	1'-1"	1'-3"

Notes:  
 Dim. A is the theoretical difference of the Proposed Deck Elev. and Top of Steel Elevations from the Existing Plans adjusted from survey data.



**BILL OF MATERIAL**

Item	Unit	Total
Modular Expansion Joint 6"	Foot	76

BLANK, WESSELINK, COOK & ASSOCIATES DECATUR, ILLINOIS ENGINEERS - CONSULTANTS DESIGN FIRM NO. 184000894

FILE NAME =	USER NAME =	DESIGNED <i>PBB</i>	REVISED -
		CHECKED <i>MCB</i>	REVISED -
	PLOT SCALE =	DRAWN <i>CGF</i>	REVISED -
	PLOT DATE =	CHECKED <i>MCB</i>	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MODULAR EXPANSION JOINT  
 STRUCTURE NO. 018-0049(W.B.) & 0050(E.B.)**

SHEET NO.17 OF 42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(18-47-VBK (18-47B, 18-47HB)BR	CUMBERLAND	147	109
			CONTRACT NO. 74466	
ILLINOIS FED. AID PROJECT				