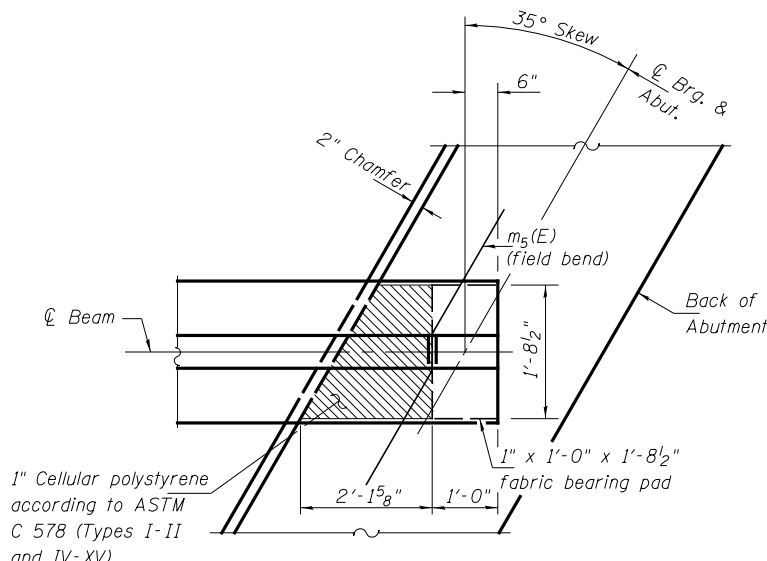


2-#5 m<sub>5</sub>(E) bars, typ. thru Each Beam.  
 (Secure bars such that they remain centered and level during pouring of the concrete.)

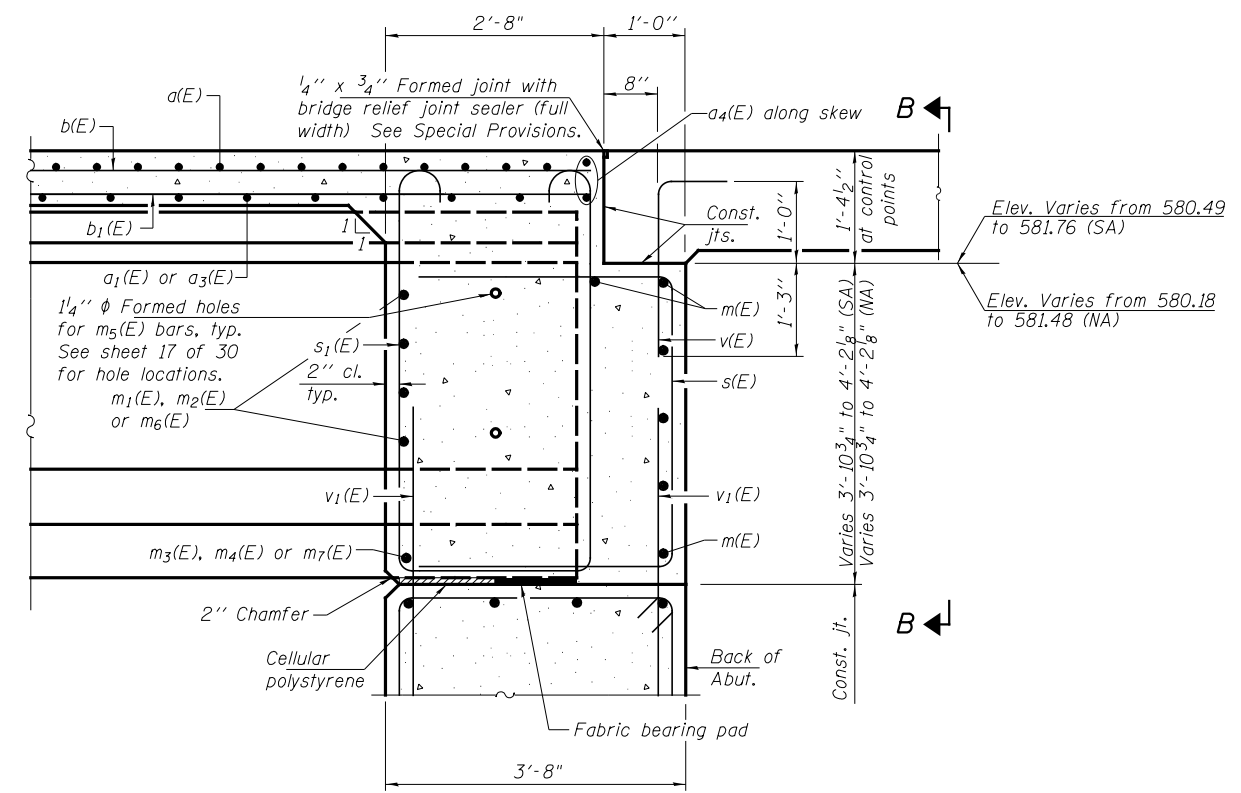
**DIAPHRAGM ELEVATION AT ABUTMENT**

**MIN. BAR LAP**  
 #6 bar = 3'-4"

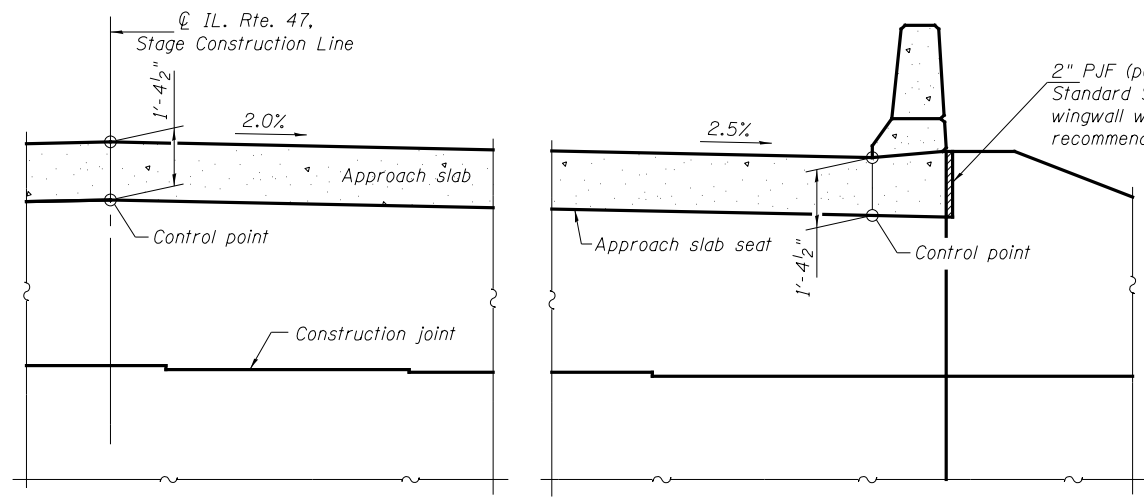
**Notes:**  
 Reinforcement bars in diaphragm are billed with superstructure on sheet 12 of 30.  
 Concrete in diaphragm is included with Concrete Superstructure on sheet 12 of 30.  
 See sheet 12 of 30 for details of bars s(E), s<sub>1</sub>(E) and v(E).  
 The s(E) and s<sub>1</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure. See sheet 24 of 30 for Bar Splicer Details.



**PARTIAL PLAN AT ABUTMENT**  
 (Showing bottom flange of beam)



**SECTION A-A**  
 (at Rt. L's)



**VIEW B-B**

V:\3195\Structure\032-0123\0320123-66B83-03-DIAPHRAGM.dgn	USER NAME = bdecrane	DESIGNED - NPH	<b>Hutchison Engineering, Inc.</b> JACKSONVILLE-SHOREWOOD-PEORIA	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DIAPHRAGM DETAILS</b> <b>STRUCTURE NO. 032-0123</b>	F.A.P. RTE. 326	SECTION 110BR-1	COUNTY GRUNDY	TOTAL SHEETS 644	SHEET NO. 371
	PLOT SCALE = NONE	DRAWN - RMD				CONTRACT NO. 66B83				
PLOT DATE = 8/6/2013	CHECKED - JOH/NPH	ILLINOIS FED. AID PROJECT								