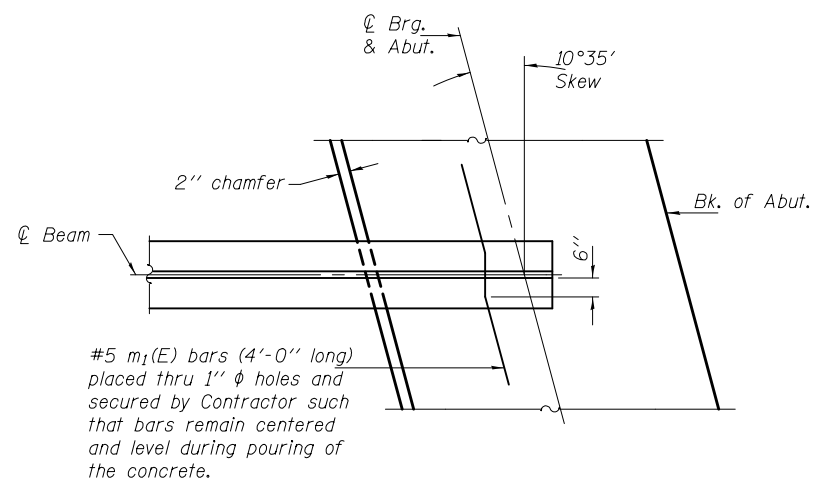
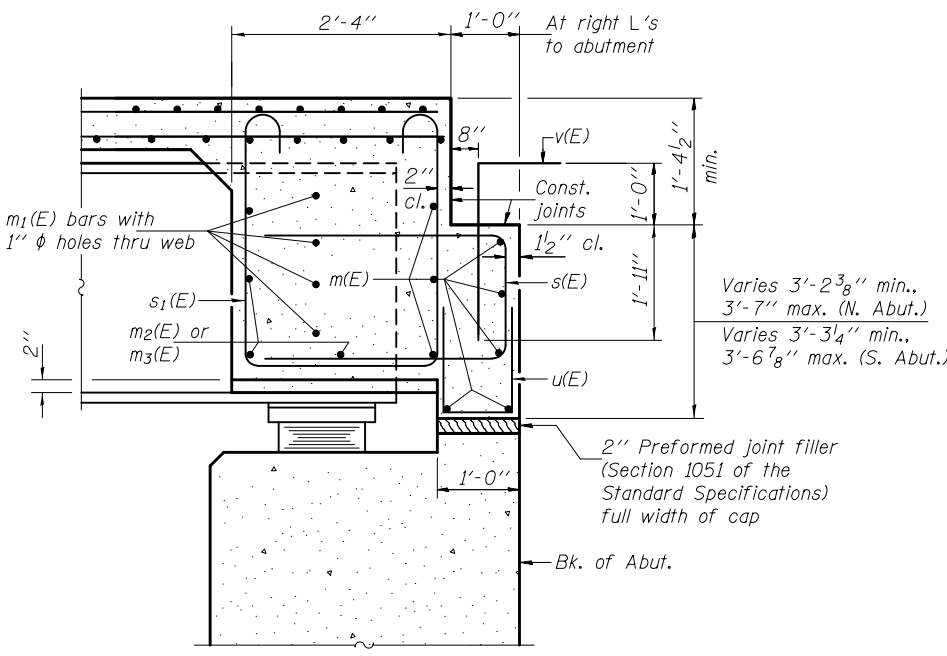


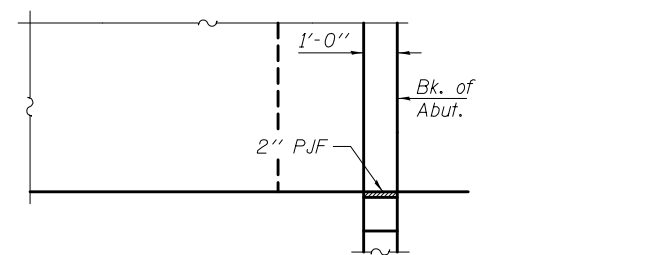
**DIAPHRAGM ELEVATION AT SOUTH ABUT.**  
(Looking South - North Abut. similar)



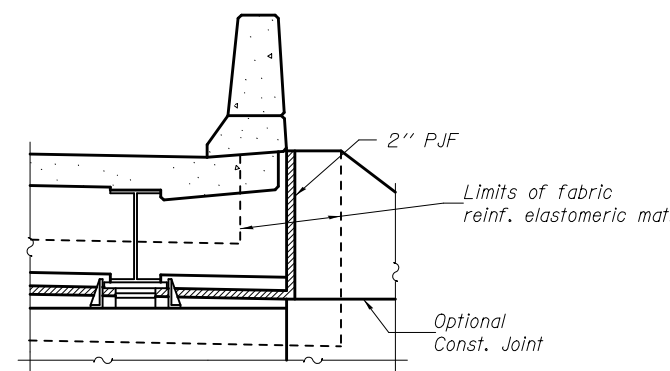
**PLAN**  
(Showing bott. flange of beam at semi-integral abut.)



**SECTION A-A**  
(Dimensions are at right L's except as noted)



**PLAN**  
(Parapet and approach not included)



**ELEVATION**  
**SEMI-INTEGRAL ABUT. DETAILS**

Notes: Reinforcement bars in diaphragm are billed with superstructure on sheet 11 of 24.  
Concrete in diaphragm is included with Concrete Superstructure on sheet 11 of 24.  
For details of bars m<sub>1</sub>(E), s(E), s<sub>1</sub>(E), u(E) & v(E), see sheet 11 of 24.  
The s(E), s<sub>1</sub>(E) & u(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

**MIN. BAR LAP**  
#6 bar = 3'-10"

DESIGNED - Dewey H. Coultas	EXAMINED - <i>Joanne F. [Signature]</i>	DATE - OCTOBER 9, 2014	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DIAPHRAGM DETAILS STRUCTURE NO. 032-0124</b>	F.A.U. RTE. 5966	SECTION (32-2) HBR-6	COUNTY GRUNDY	TOTAL SHEETS 98	SHEET NO. 59	
CHECKED - Frank W. Sharpe	PASSED - <i>Carl [Signature]</i>	REVISED			<b>CONTRACT NO. 66B27</b>					
DRAWN - h.t. duong	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			SHEET NO. 12 OF 24 SHEETS					
CHECKED - DHC/FWS					ILLINOIS FED. AID PROJECT					