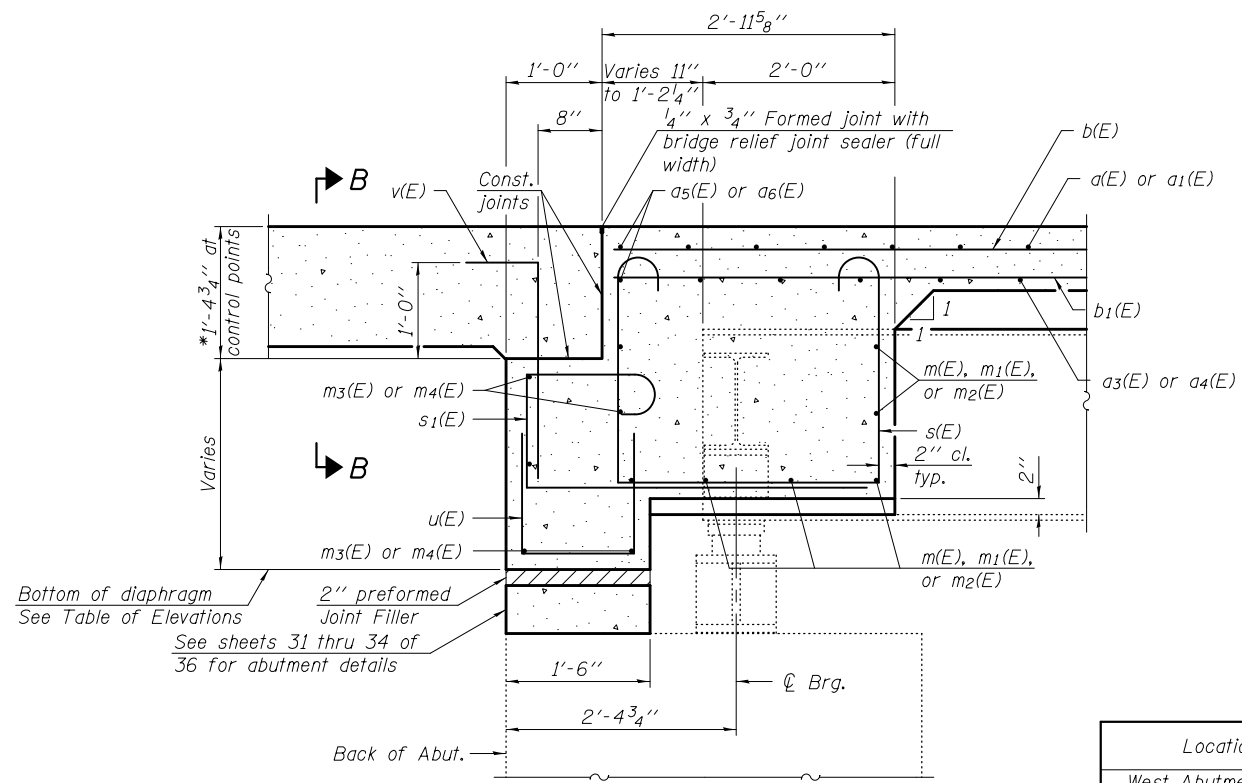


DIAPHRAGM ELEVATION

(West Abutment diaphragm (WB) or East Abutment diaphragm (EB) shown, East Abutment diaphragm (WB) and West Abutment diaphragm (EB) similar)



SECTION A-A

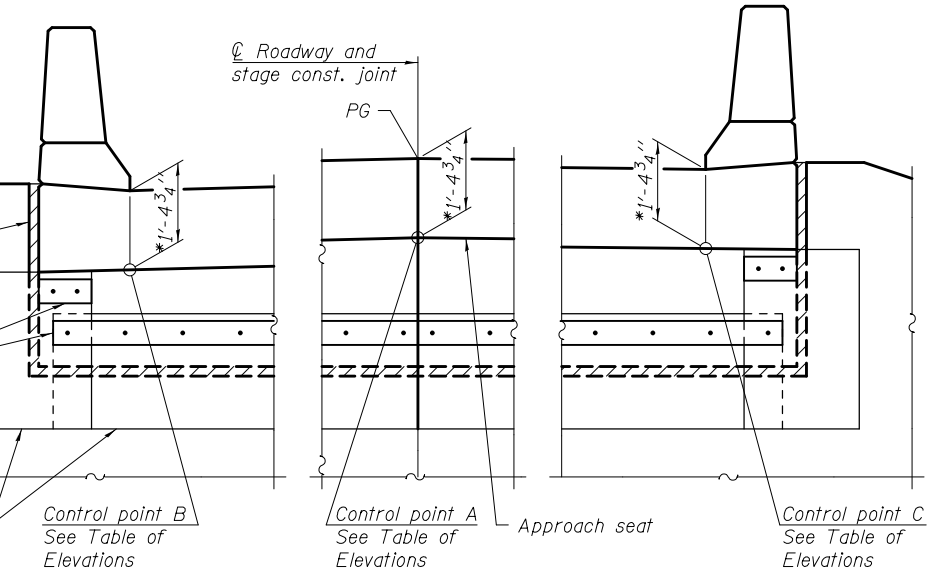
(Horizontal dimensions are at right L's to abutment).

* Prior to grinding

2" PJF - See Section thru Semi-Integral Abutment on sheet 2 of 36.

3/8" x 5" Steel plates with 1/2" ø studs, nuts, and washers See Section thru Semi-Integral Abutment on sheet 2 of 36.

Fabric Reinforced Elastomeric Mat - See Section thru Semi-Integral Abutment on sheet 2 of 36.



VIEW B-B

(Showing approach seat control point locations, 2" PJF, and limits of Fabric Reinforced Elastomeric Mat).

TABLE OF ELEVATIONS

Location	Bottom of Diaphragm	Control Point A	Control Point B	Control Point C
West Abutment (WB)	548.04	550.24	550.06	549.69
East Abutment (WB)	546.28	548.48	548.29	547.92
West Abutment (EB)	548.71	550.83	550.39	550.59
East Abutment (EB)	546.98	549.04	548.60	548.80

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet 16 of 36.

Concrete in diaphragm is included with Concrete Superstructure on sheet 16 of 36.

For details of bars s(E), s1(E), u(E), and v(E), see sheet 16 of 36.

The s(E), s1(E), u(E), and v(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.

DESIGNED - FESSEHA TEKLEHAIMANOT	EXAMINED - <i>Joanne F. Joffe</i>	DATE - SEPTEMBER 16, 2014
CHECKED - JOSUE ORTIZ-VARELA	PASSED - <i>Carl Perry</i>	REVISED
DRAWN - MICHAEL B. MOSSMAN	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED
CHECKED - F.T. / J.O.V. / G.R.A.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 018 - 0040 (EB) & 018 - 0041 (WB)

SHEET NO. 17 OF 36 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(18-45HB-1)BR	CUMBERLAND	43	24
CONTRACT NO. 74187				
ILLINOIS FED. AID PROJECT				