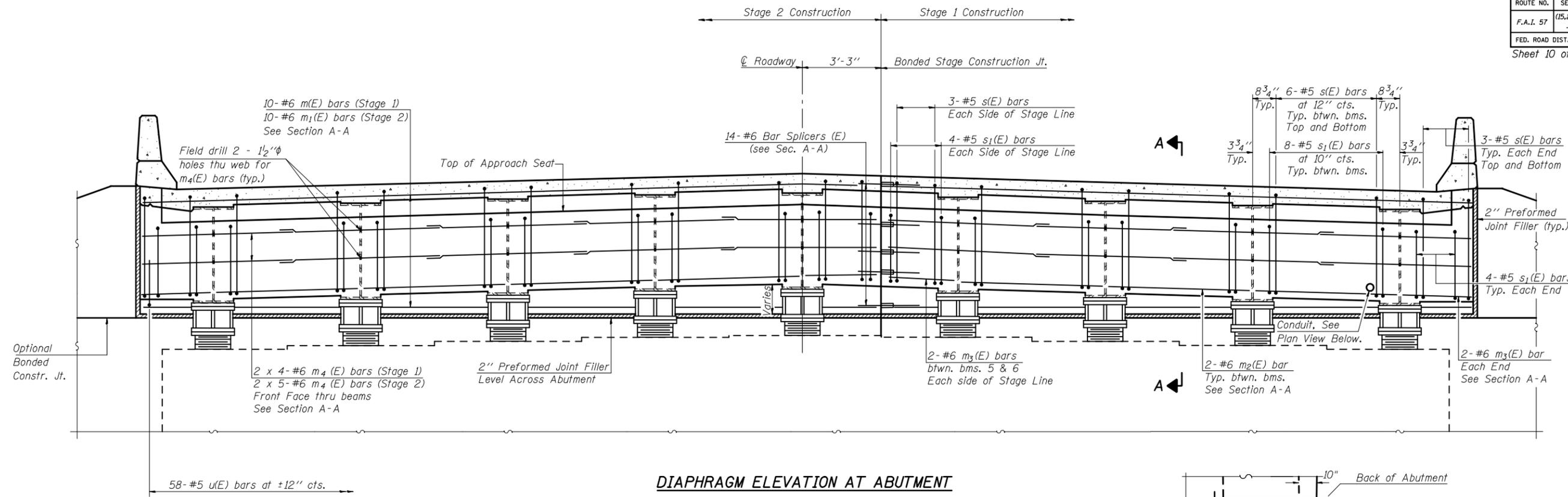


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	(15,21-25HB-2)BR	DOUGLAS	65	46
FED. ROAD DIST. NO. 5	ILLINOIS PROJECT			

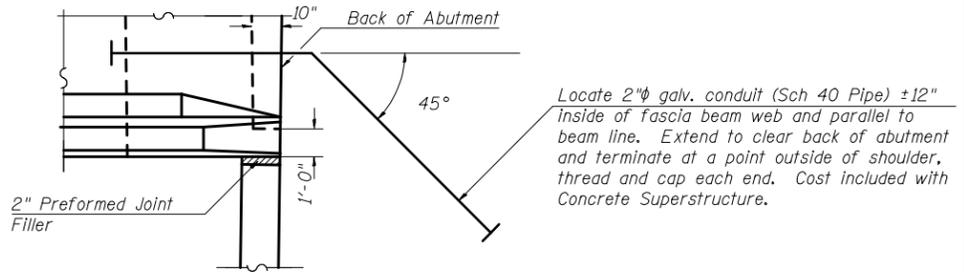
Sheet 10 of 22 CONTRACT #90952



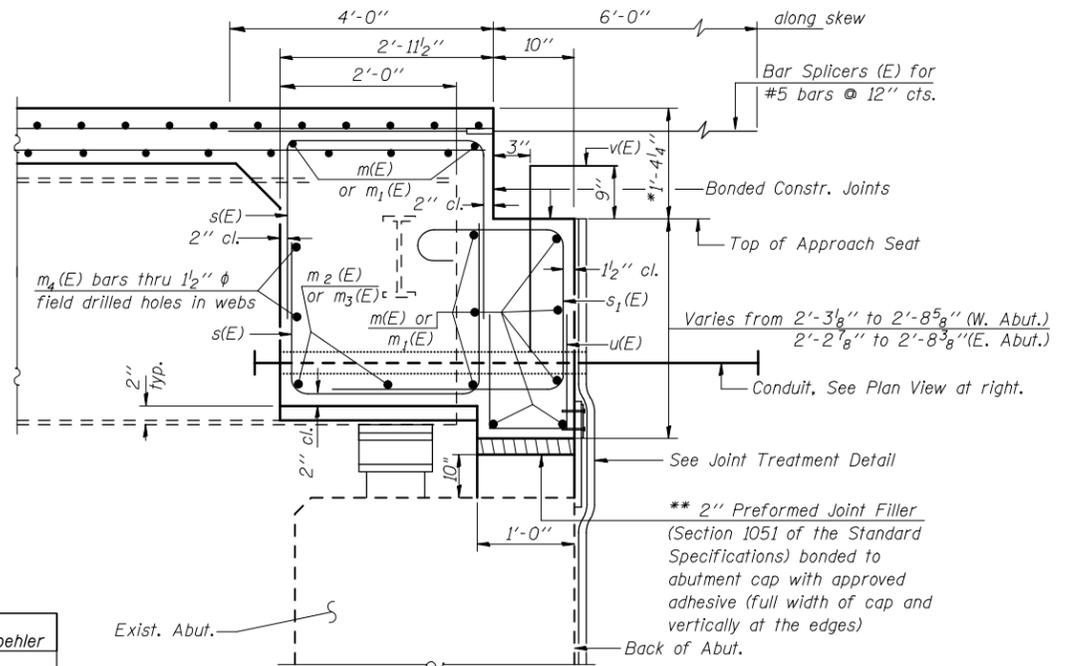
**DIAPHRAGM ELEVATION AT ABUTMENT**

(East Abutment Shown - Looking East)  
(West Abutment Similar by 180° Rotation Looking West)

**MIN. BAR LAP**  
#5 bar = 2'-2"  
#6 bar = 2'-9"

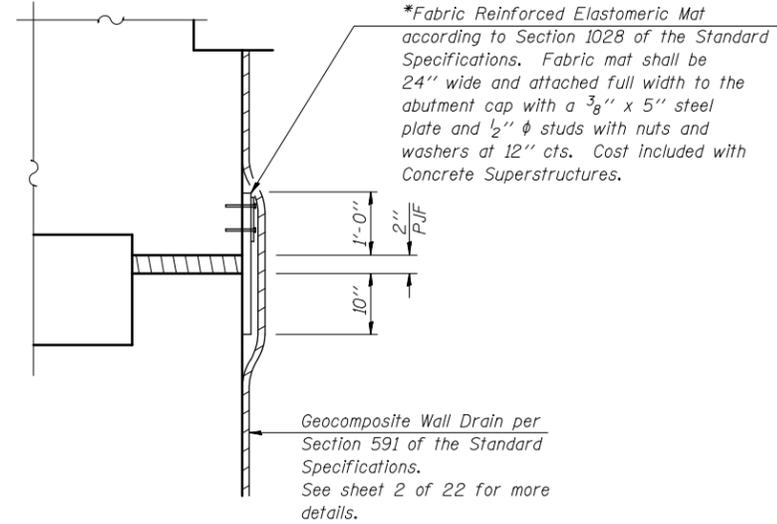


**PLAN VIEW AT NW & SE CORNERS OF STRUCTURE**



**SECTION A-A**

(Dimensions at right angles to abutment, except as shown.)



**JOINT TREATMENT DETAIL**

DESIGNED	Ruben V. Boehler
CHECKED	Tim S. Howard
DRAWN	Nicole L. Darling
CHECKED	Michael D. Cummins

\* Prior to grinding.  
\*\* Cost Included with Concrete Superstructure

Notes: Bars indicated thus 2 x 4-#6 etc. indicates 2 lines of bars with 4 lengths per line.  
Reinforcement bars in diaphragm are billed with superstructure on sheet 9 of 22.  
Concrete in diaphragm is included with Concrete Superstructure on sheet 9 of 22.  
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
For details of bars u(E), s(E), and s1(E) see sheet 9 of 22.  
For location of drilled holes in beams see sheet 14 of 22.

**DIAPHRAGM DETAILS**

IL ROUTE 133 OVER I-57  
F.A.I. ROUTE 57 SECTION (15,21-25HB-2)BR  
DOUGLAS COUNTY  
STA. 1492+76.53  
S.N. 021-0024

CUMMINS ENGINEERING CORPORATION	JOB #: 2114
	FILE: 2114DIAPH
	DATE: 10/24/06