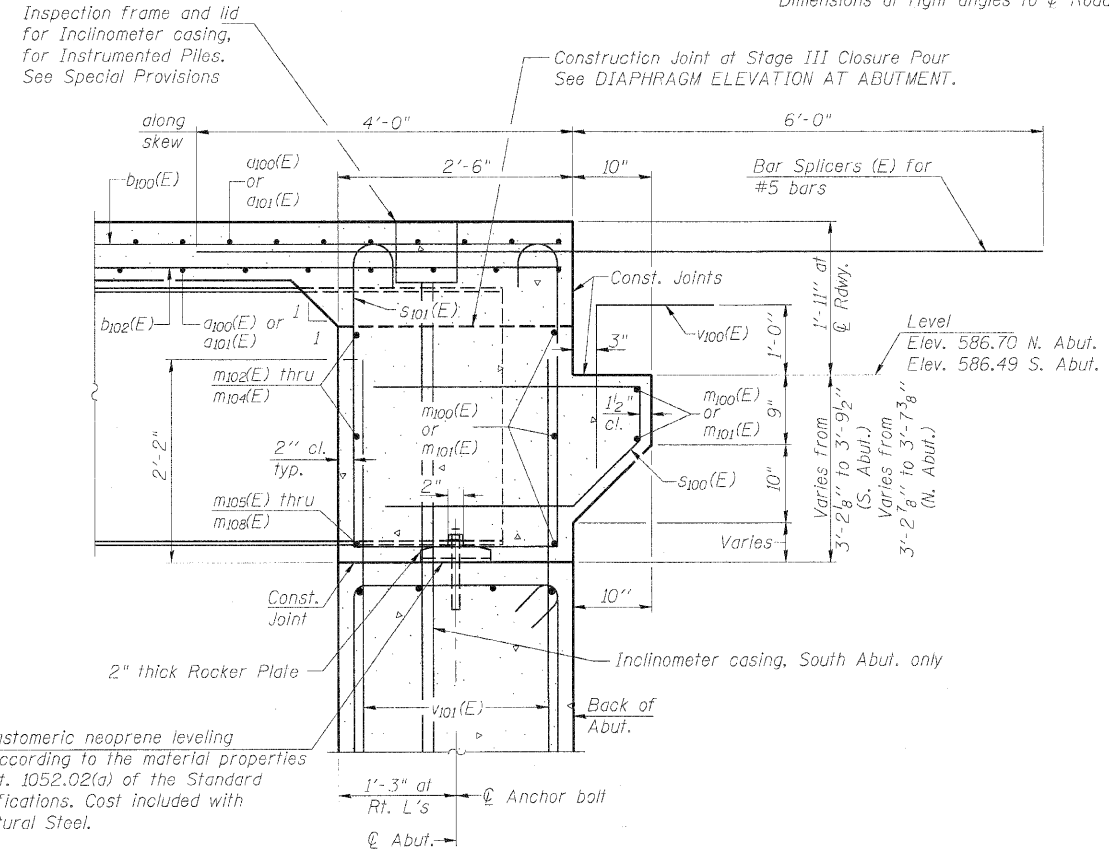


**DIAPHRAGM ELEVATION AT ABUTMENT**

(Looking North at North Abutment) (South Abutment similar)  
Dimensions at right angles to  $\psi$  Roadway



**SECTION A-A**

Dimensions at right angles to abutment, except as shown.

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on Sheet 18 of 50.  
Concrete in diaphragm is included with Concrete Superstructure on Sheet 12 of 50.  
For details of bars  $s_{100}(E)$  &  $s_{101}(E)$  see Sheet 18 of 50.  
The  $s_{100}(E)$  &  $s_{101}(E)$  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'-4"

**INTEGRAL ABUTMENT DIAPHRAGM DETAILS - N.B.**  
**STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)**

PROFESSIONAL DESIGN FIRM LICENSE #184-001084		JOB NO. 05R1532A		SHEET NO. 19		F.A.I. RTE. 280		SECTION 81-I(HB)R		COUNTY Rock Island		TOTAL SHEETS 503		SHEET NO. 152	
© Copyright Hanson Professional Services Inc. 2010		DATE 07/23/10		50 SHEETS								CONTRACT NO. 64815			
		ILLINOIS FED. AID PROJECT													

LAYOUT: KRZ/ENI 04/05/10  
 DRAWN: MCM/ENI 05/21/10  
 REVIEWED: KRZ/ENI 07/21/10  
 07/22/2010  
 c:\pwworking\hanson\project\081-0188-0189\Diaphragm.dwg