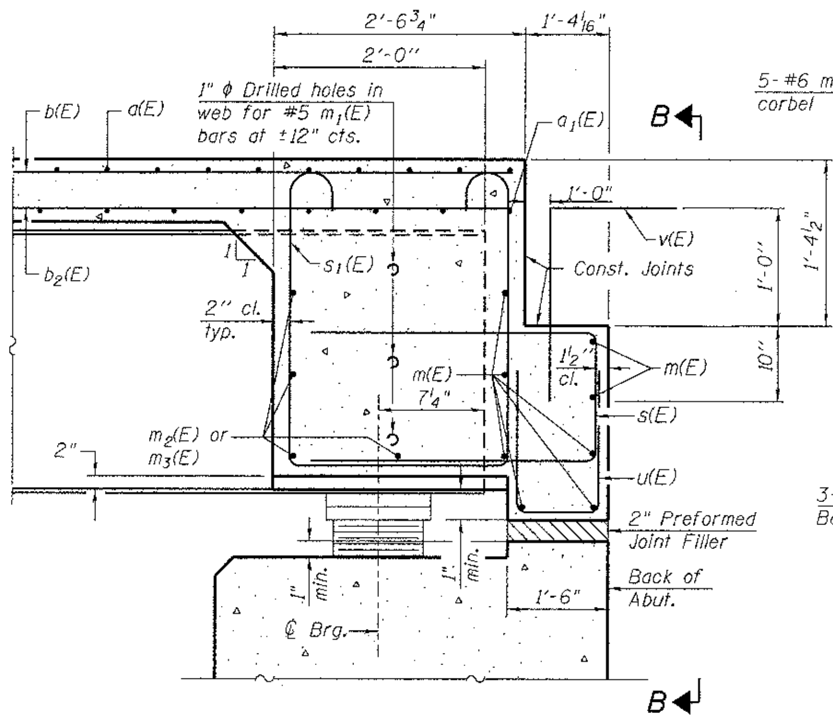
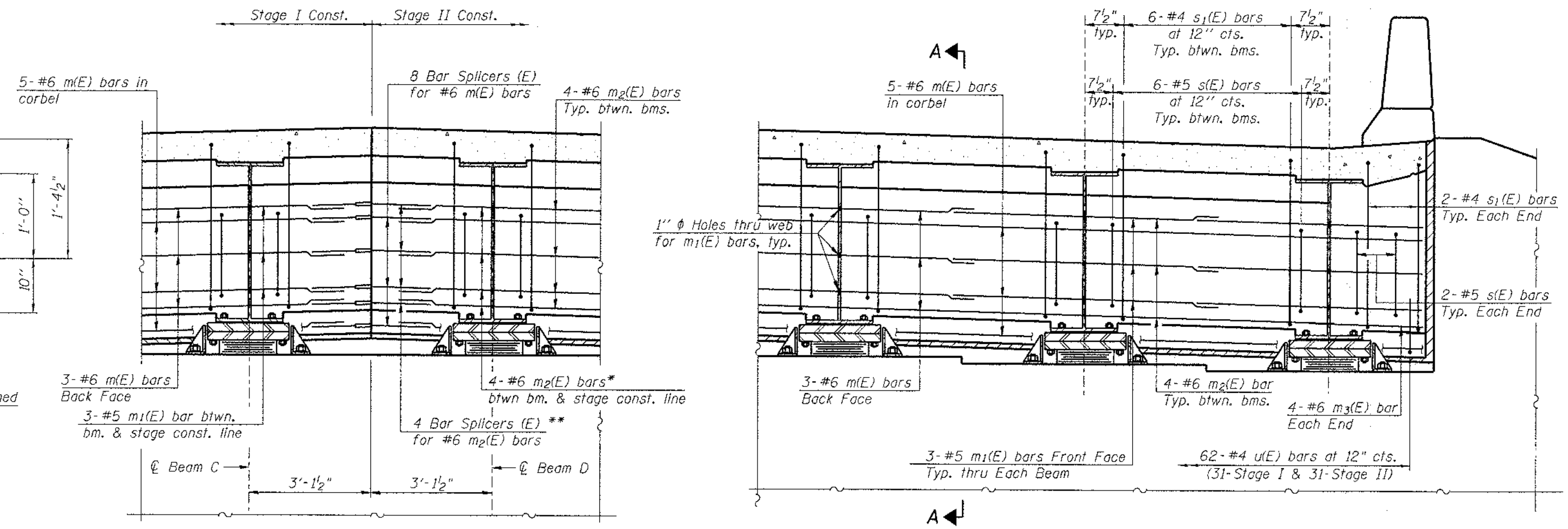


SECTION A-A

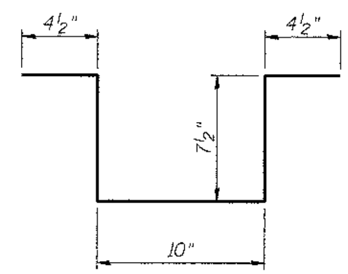
Dimensions at right angles to abutment, except as shown.



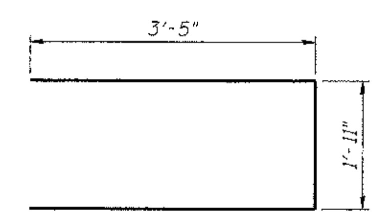
* Use 2-#6 m₂(E) and cut in half, typical for each stage

** Cut splicer bar to fit between beams and stage construction line.

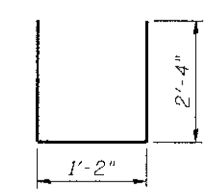
DIAPHRAGM ELEVATION AT ABUTMENT



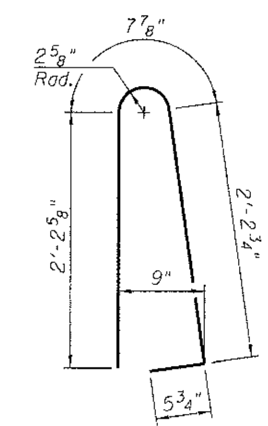
BAR $s_4(E)$



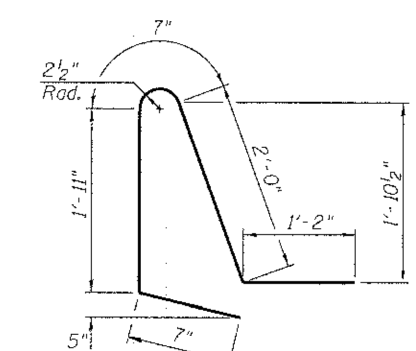
BAR s(E)



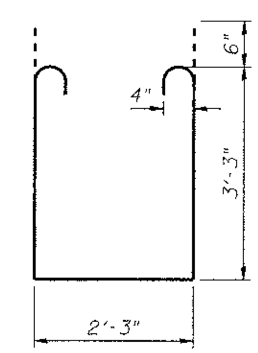
BAR u(E)



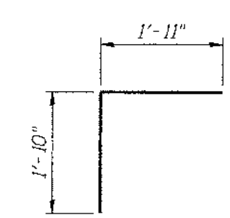
BAR d(E)



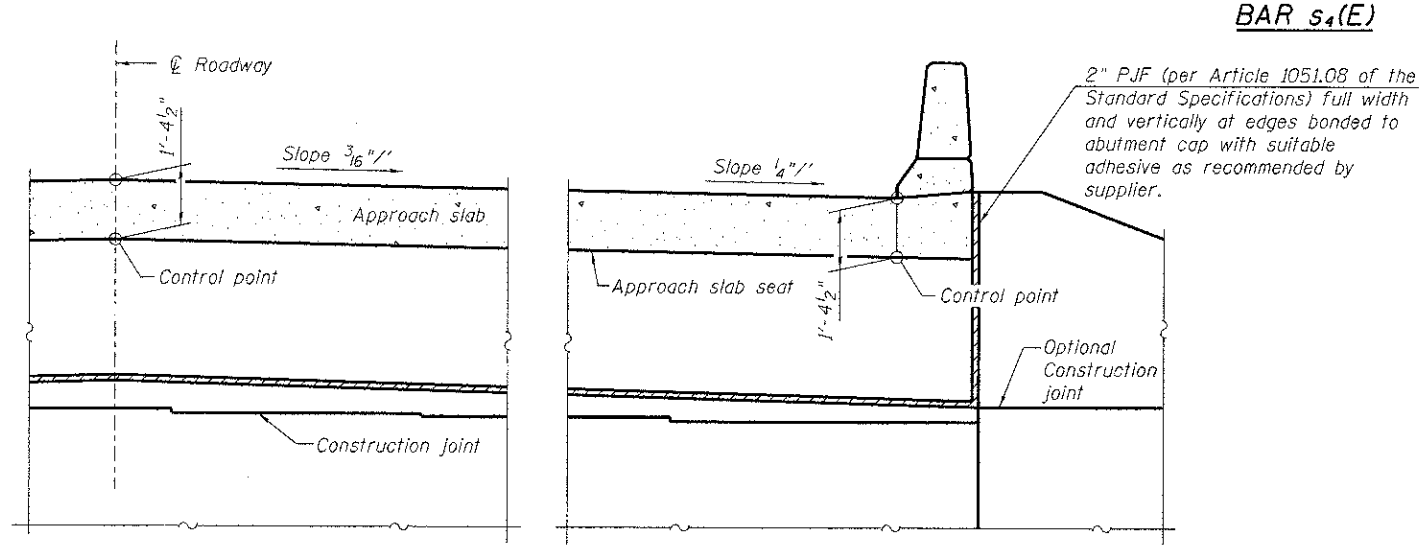
BAR $d_1(E)$



BAR $s_1(E)$



BAR v(E)



SECTION B-B

NOTES

1. Reinforcement bars in diaphragm are billed with superstructure on sheet S-12.
2. Concrete in diaphragm is included with Concrete Superstructure on sheet S-12.
3. The s(E) and $s_1(E)$ bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
4. The approach slab seat shall have a constant slope determined from the control points shown.
5. For bearing details see sheet S-19.

N:\PROJ\0003408.001\Design\Structural\CAD\099-3031 0003408 13 Diaphragm Details - Semi Integral Abut.dgn

Cierba Group, Inc. CONSULTING ENGINEERS

USER NAME = rdonley	DESIGNED - MHT	REVISED -	
	CHECKED - SMY	REVISED -	
PLOT SCALE = 0:1.0000 ' / in.	DRAWN - SRG	REVISED -	
PLOT DATE = 1/28/2013	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS – SEMI INTEGRAL ABUTMENT
STRUCTURE NO. 099-3031

SHEET NO. S-13 OF S-24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
298	04-00069-18-BR	WILL	51	34
		CONTRACT NO. 63803		
		ILLINOIS FED. AID PROJECT		