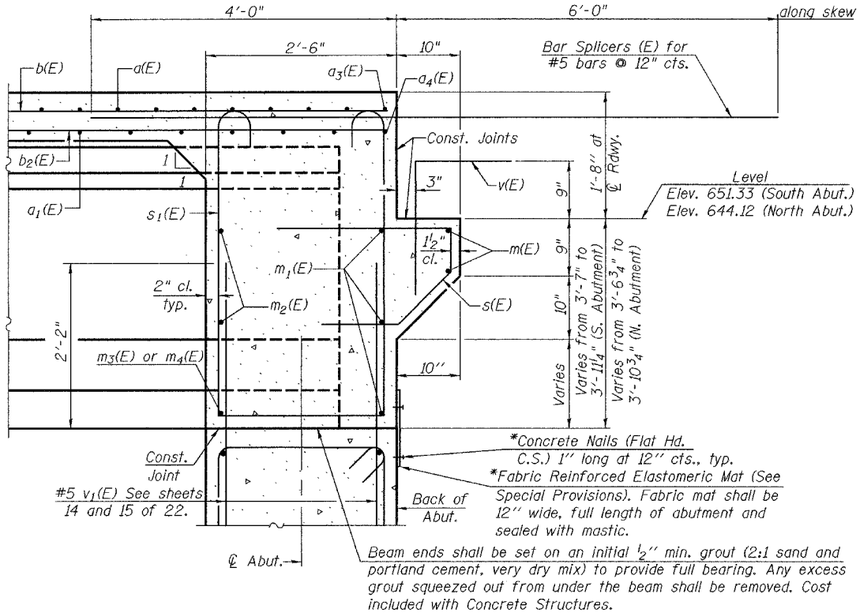
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 836	(119BR) BR	CHAMPAIGN		19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

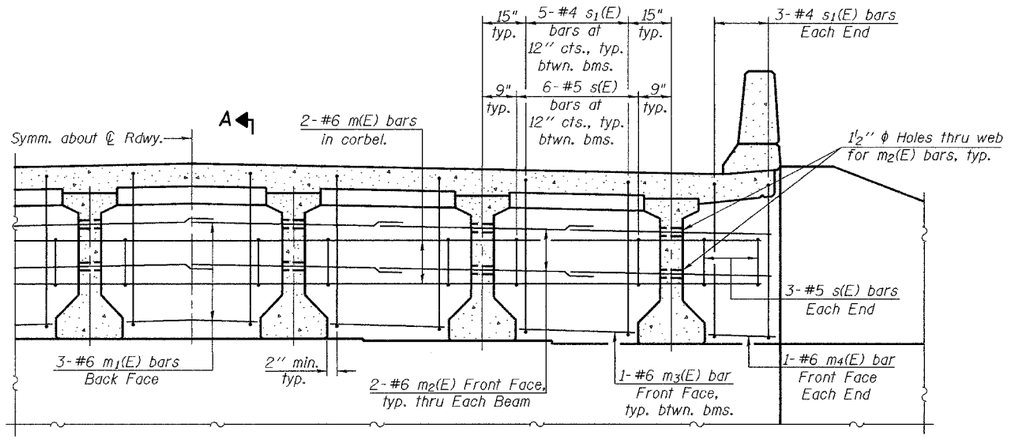
SHEET NO. 8
21 SHEETS

Contract # 70355



SECTION A-A

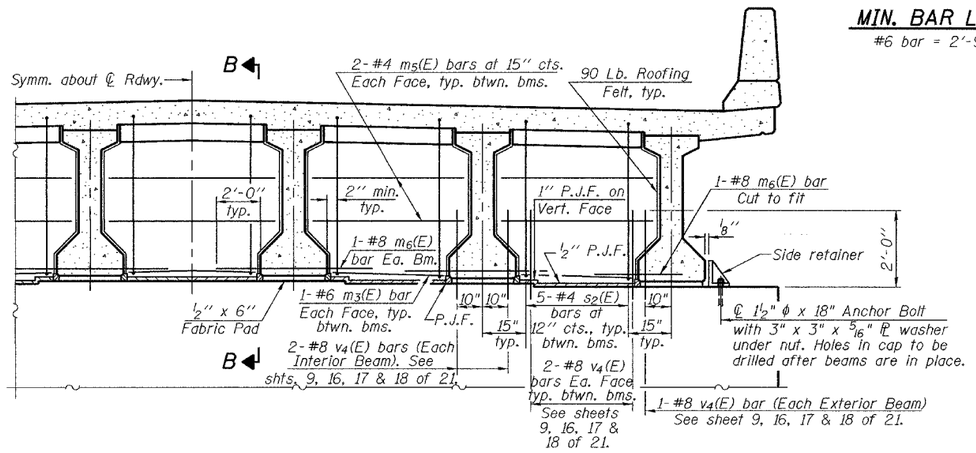
*Cost included with Concrete Structures.
Dimensions at right L's to abutments except as shown.



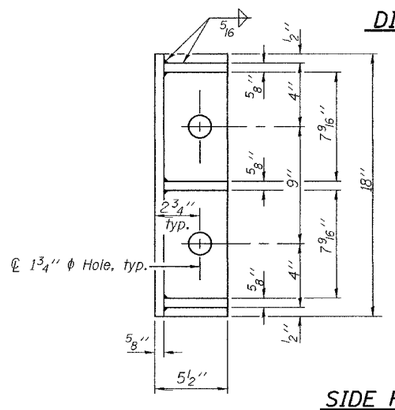
DIAPHRAGM ELEVATION AT ABUTMENT

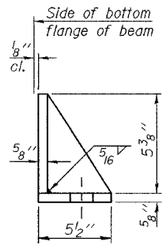
MIN. BAR LAP

#6 bar = 2'-9"



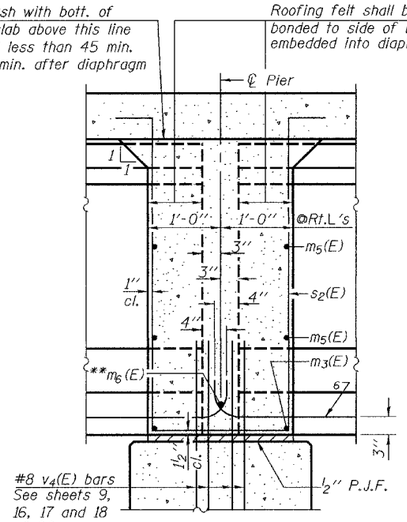
DIAPHRGAM AT PIER





SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SECTION B-B

Dimensions along ℄ of beam, except as shown.

**Tightly fasten the #8 bars together with No. 9 wire ties.

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 7 of 21.
Concrete in diaphragm is included with Concrete Superstructure on sheet 7 of 21.
For details of bars s(E), $s_1(E)$ and $s_2(E)$ see sheet 7 of 21.
The s(E), $s_1(E)$ and $s_2(E)$ bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
Cost of 90 Lb. roofing felt is included with Concrete Superstructure.
The side retainer shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. Cost of side retainer and anchor bolts shall be included with Concrete Structures.
See sheet 13 of 21 for anchor bolt details.

DESIGNED	Philip E. Coppernoll
CHECKED	Ray Ahanchi
DRAWN	R. Sommer
CHECKED	P.E.C./G.R.A.

December 1 2004

EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DIAPHRAGM DETAILS
F.A.P. RT. 836-SECTION (119BR)BR
CHAMPAIGN COUNTY
STATION 1015+21.00
STRUCTURE NO. 010-0280

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