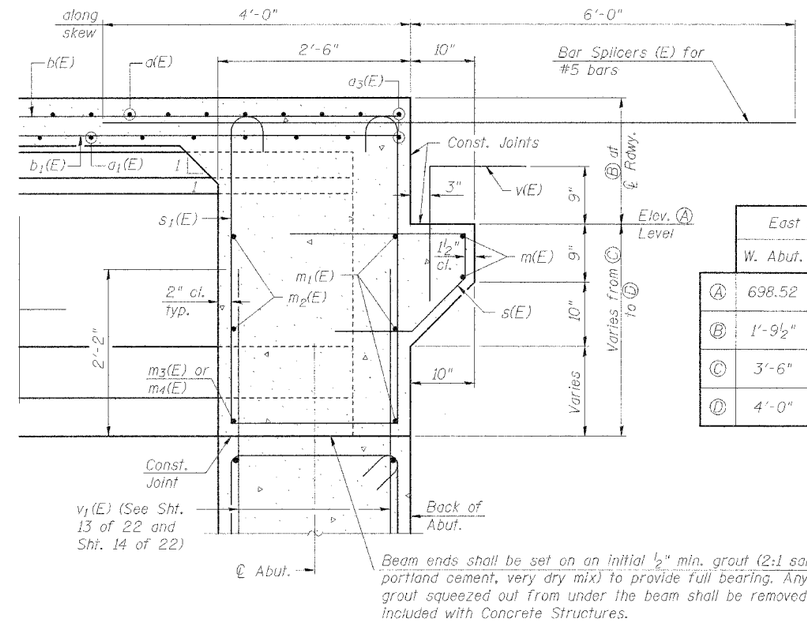
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	55-2	MCDONOUGH	1025	464
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 8
22 SHEETS

Contract No. 68205



Beam ends shall be set on an initial ½" min. grout (2:1 sand and portland cement, very dry mix) to provide full bearing. Any excess grout squeezed out from under the beam shall be removed. Cost included with Concrete Structures.

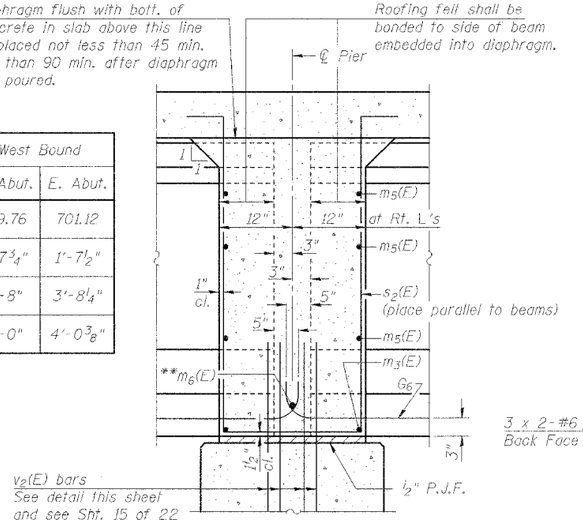
SECTION A-A

Dimensions at right angles to abutment, except as shown. See "Section Thru Integral Abutment", Sht. 2 of 22.

	East Bound		West Bound	
	W. Abut.	E. Abut.	W. Abut.	E. Abut.
Ⓐ	698.52	700.77	699.76	701.12
Ⓑ	1'-9½"	1'-8⅜"	1'-7¾"	1'-7½"
Ⓒ	3'-6"	3'-7½"	3'-8"	3'-8¼"
Ⓓ	4'-0"	4'-0¼"	4'-0"	4'-0⅜"

Pour diaphragm flush with bott. of slab. Concrete in slab above this line shall be placed not less than 45 min. nor more than 90 min. after diaphragm has been poured.

Roofing felt shall be bonded to side of beam embedded into diaphragm.



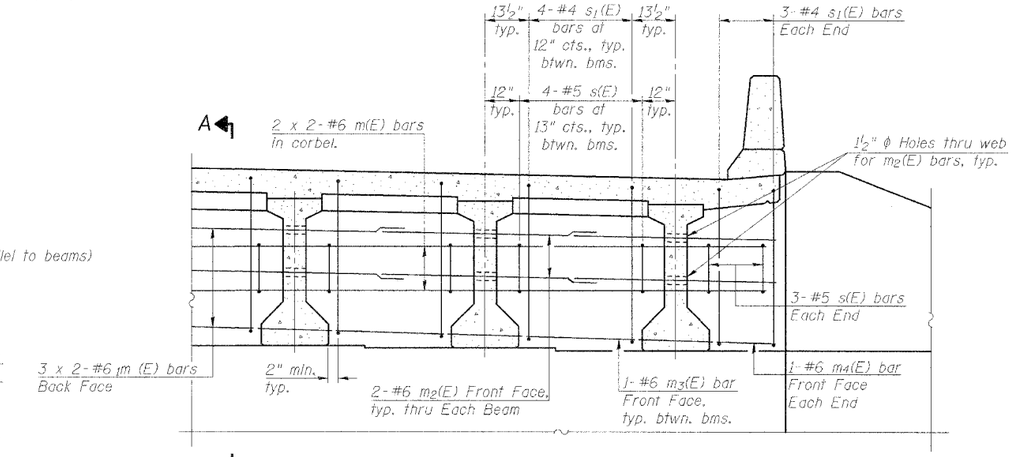
v_2(E) bars See detail this sheet and see Sht. 15 of 22 and 16 of 22.

SECTION B-B

Dimensions along ℄ of beam, except as shown.

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

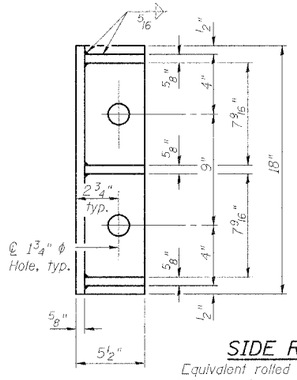
Note: See Sht. 7 of 22 for location of Sections A-A and B-B.



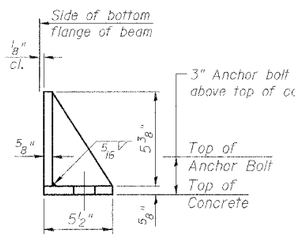
DIAPHRAGM ELEVATION AT ABUTMENT

MIN. BAR LAP

#6 bar = 2'-9"

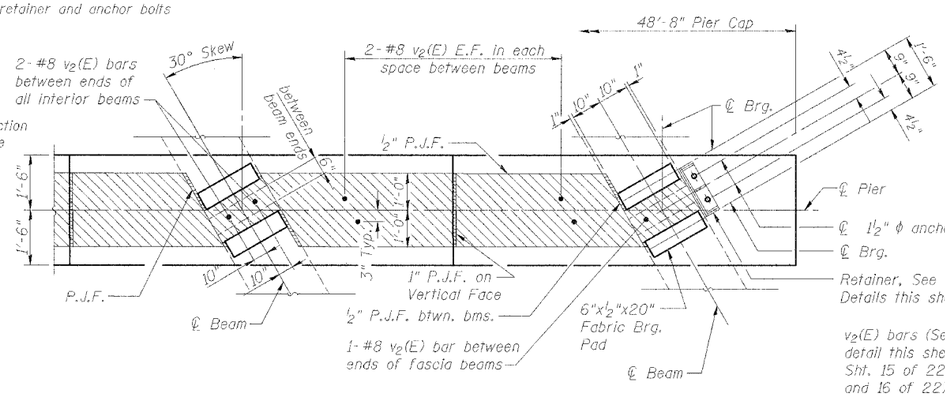


Notes:
The side retainer shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. Cost of side retainer and anchor bolts shall be included with Concrete Structures.



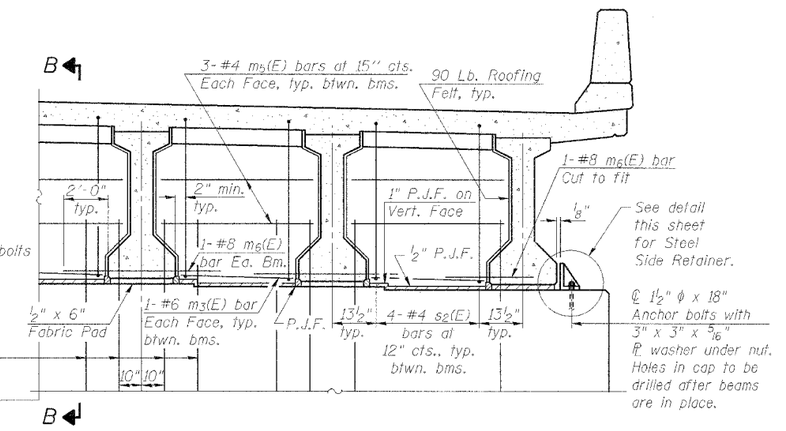
SIDE RETAINER

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



PLAN AT PIERS

(Showing bearing pad and PJF details and side retainer)



DIAPHRAGM AT PIER

ANCHOR BOLT NOTES

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:

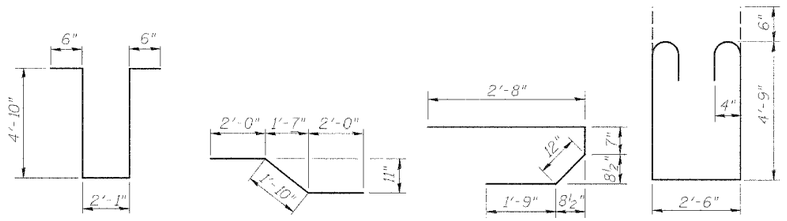
1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be used for the anchor bolts.

Holes in the masonry for anchor bolts shall be drilled through the retainer plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.

Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.

DESIGNED	PJL
CHECKED	LLV
DRAWN	MGM
CHECKED	PJL



BAR s_2(E) BAR m_6(E) BAR s(E) BAR s_1(E)

NOTES

1.) *Reinforcement bars in diaphragms are billed with superstructure on Sht. 9 of 22.*

2.) *Concrete in diaphragms is included with Concrete Superstructure on Sht. 9 of 22.*

3.) *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.*

4.) *Cost of 90 Lb. roofing felt is included with Concrete Superstructure.*

DECK DETAILS
IL. ROUTE 336 OVER
BURLINGTON NORTHERN
SANTA FE RAILROAD
F.A.P. ROUTE 315 SECT. 55-2
McDONOUGH COUNTY
STATION 154+56.74
STRUCTURE NO. 055-0052 (EB)
STRUCTURE NO. 055-0053 (WB)

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