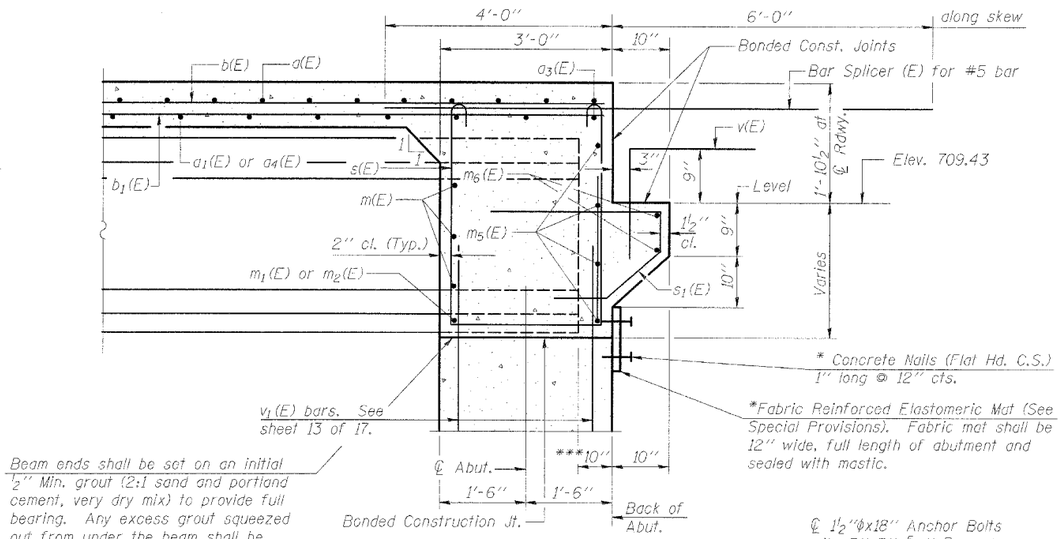
CONTRACT # 91353

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 18	*	COLES	229	127
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT=		

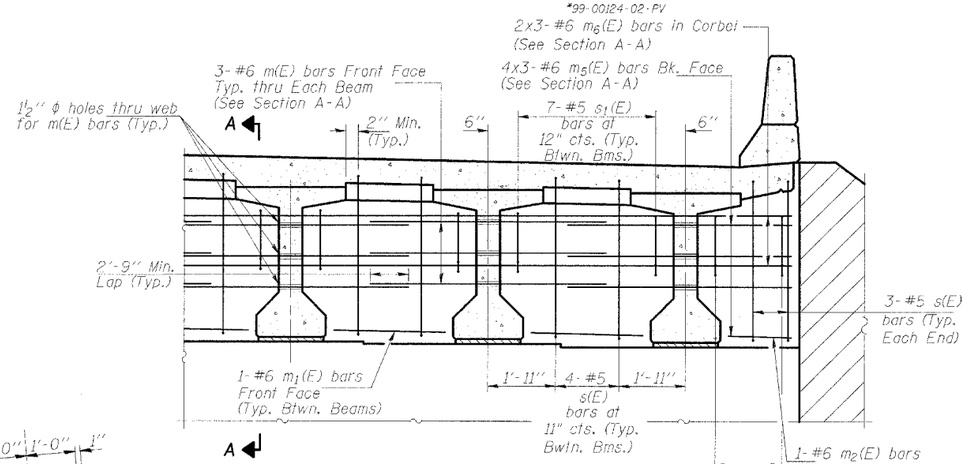
*99-00124-02-PV

SHEET NO. 09
SHEETS 17

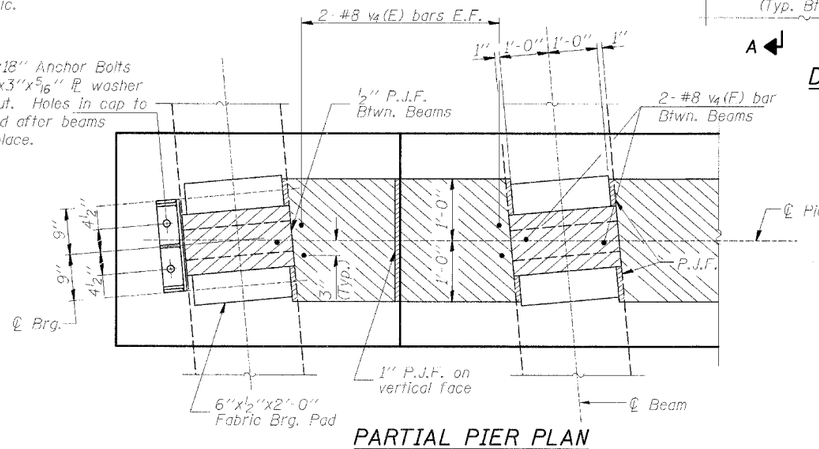


SECTION A-A

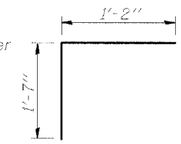
Dimensions at right angles to abutment, except as shown.
*Cost included with Concrete Structures.
***Along ℄ Beam



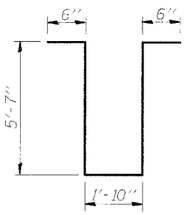
DIAPHRAGM AT ABUTMENTS



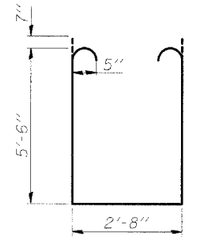
PARTIAL PIER PLAN



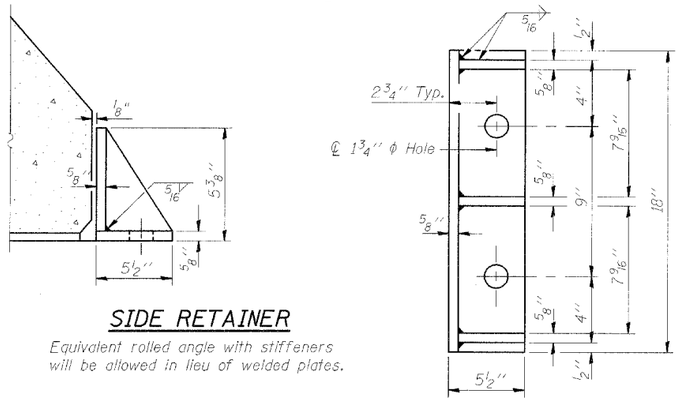
BAR v(E)



BAR s2(E)

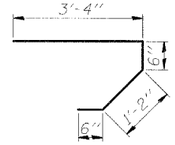


BAR s(E)



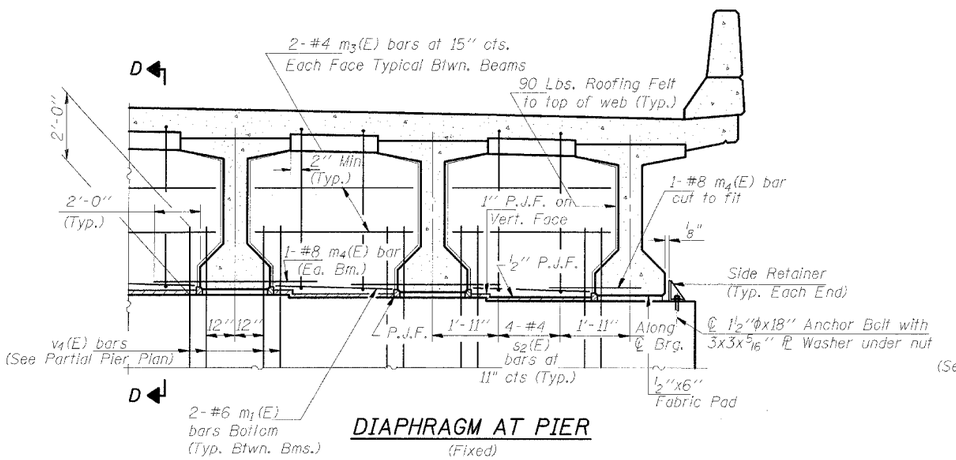
SIDE RETAINER

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



BAR s1(E)

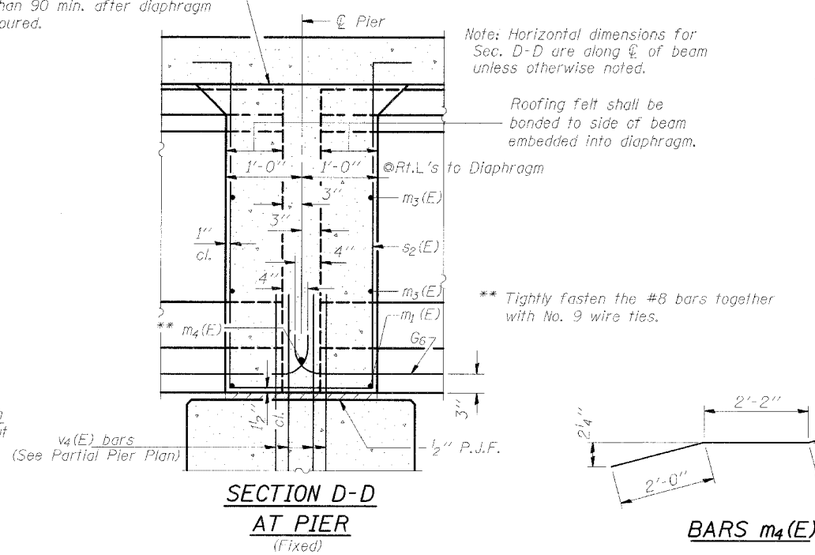
Note:
Reinforcement bars in diaphragm are billed with Superstructure on sheet 07 of 17.
Concrete in diaphragm is included with Concrete Superstructure on sheet 07 of 17.
The s(E), s1(E) and s2(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
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 15 of 17 for anchor bolt details.



DIAPHRAGM AT PIER

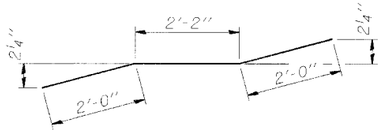
(Fixed)

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.



SECTION D-D AT PIER

(Fixed)



BARS m4(E)

Corporate License Number 184-001-084

DIAPHRAGM DETAILS
COUNTY HIGHWAY 18 OVER F.A.I. RTE. 57
SECTION 99-00124-02-PV
COLES COUNTY
STATION 249+25.29
STRUCTURE NUMBER 015-0073

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JOB# 97S2028B
DATE= 05/27/03

LAYOUT	MWM	03/24/03
DRAWN	DAP	03/25/03
REVIEWED	JWM	05/12/03

i:\97JOBS\97s2028b\Struct\57 Bridge\bridgedgn 9.7.2005