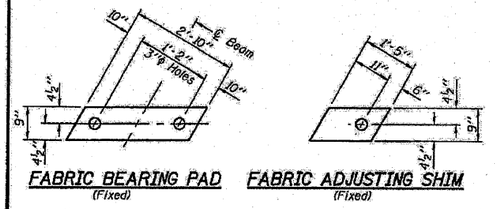
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 623	*	GRUNDY	12	11
FED. ROAD DIST. NO. F	ILLINOIS	FED. AID PROJECT		

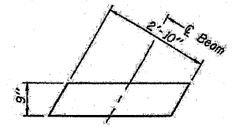
SHEET NO. 2
3 SHEETS

Contract Number: 66808
* 10-BR-11



FABRIC BEARING PAD
(Fixed)

FABRIC ADJUSTING SHIM
(Fixed)



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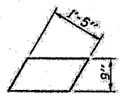
(Expansion)



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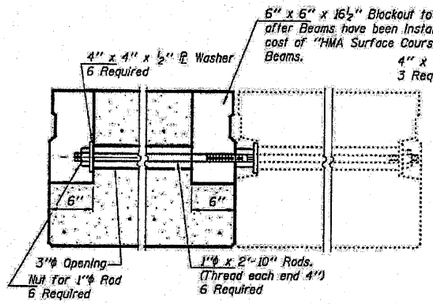
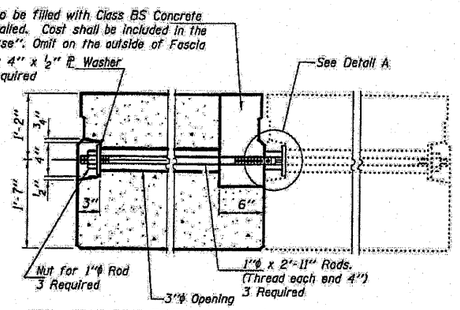
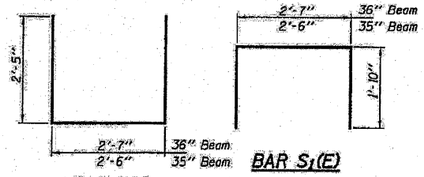
(Expansion)



TRANSVERSE TIE ASSEMBLY
Typical at Beam 7

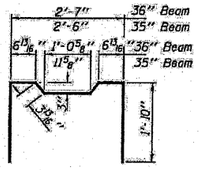


TRANSVERSE TIE ASSEMBLY
Typical at Beam 1



BAR S(E)

BAR S1(E)



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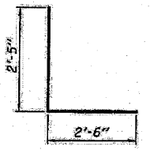

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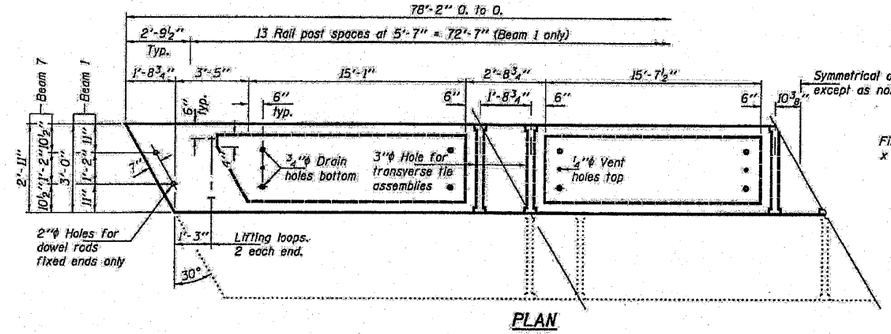
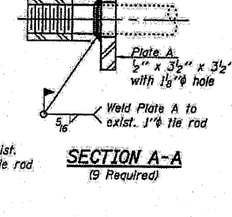


PLAN



DETAIL A

SECTION A-A
(9 Required)

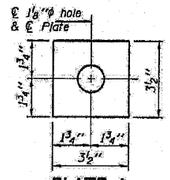
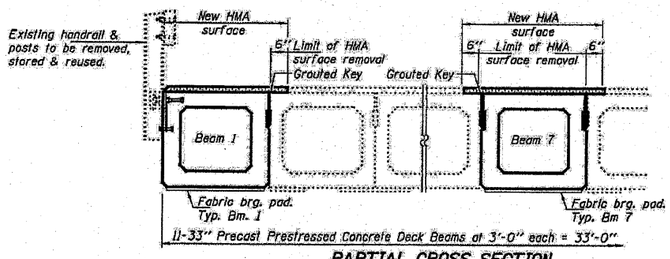
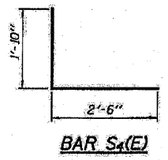


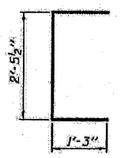
PLATE A
(9 Required)



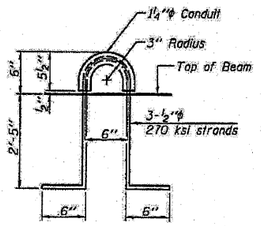
PARTIAL CROSS SECTION



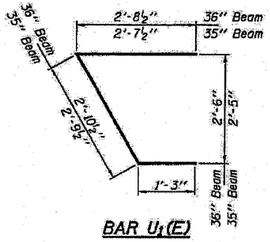
BAR S4(E)



BAR U(E)



LIFTING LOOP DETAIL



BAR U1(E)

DESIGNED	AJB
CHECKED	VHV
DRAWN	baliva
CHECKED	AJB VHV

MAY 2, 2008
EXAMINED: A. Carl Kruger, ENGINEER OF STRUCTURAL SERVICES
PASSED: Ralph E. Anderson, ENGINEER OF BRIDGES AND STRUCTURES

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1"ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706 (IL MOD), Grade 60. (See Special Provisions)

Two ½" fabric adjusting shims of the dimensions shown shall be provided for each bearing pad location.

A minimum 2½"ϕ lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms.	Sq. Ft.	463

REPAIR DETAILS
FAP 623
GRUNDY COUNTY
SN 032-0084

...\deck_beams_fy08\0320084.dgn 5/2/2008 2:36:59 PM

FILE NAME =	USER NAME = mikebusch	DESIGNED -	REVISED -
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	PLOT SCALE = 20.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/22/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE REPAIR PLANS
FOR INFORMATION ONLY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(0) BR	GRUNDY	35	23
		CONTRACT NO. 66913		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		