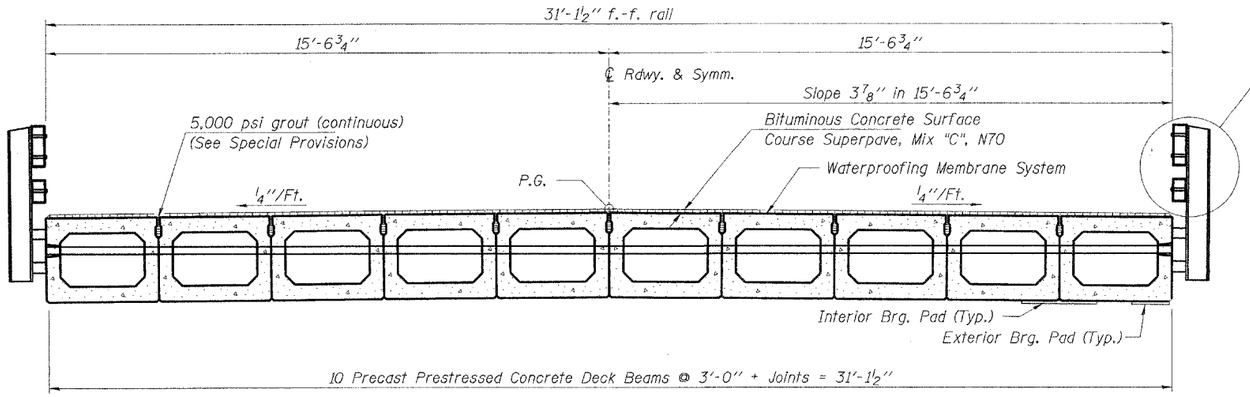
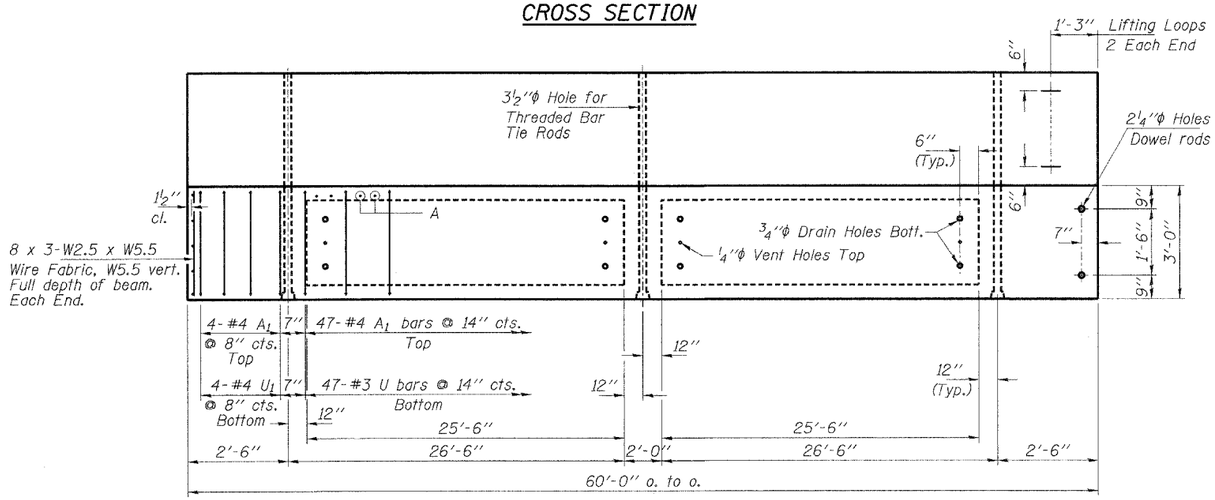
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1870	03-00136 -00-BR	JACKSON	20	14
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

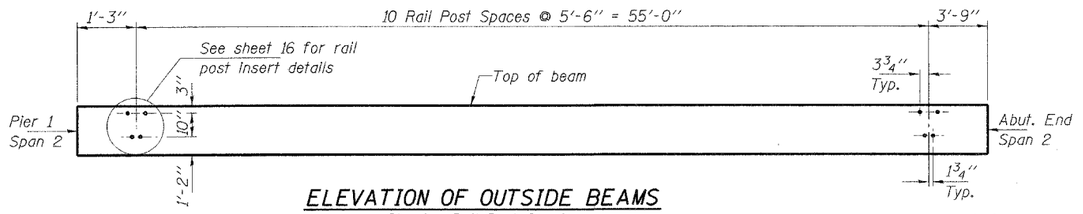
CONTRACT NO. 99203



CROSS SECTION

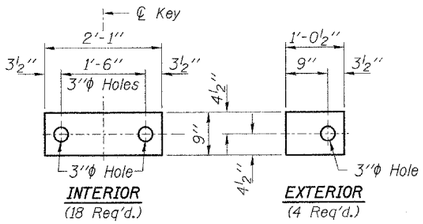


PLAN

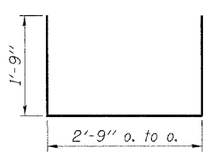


ELEVATION OF OUTSIDE BEAMS

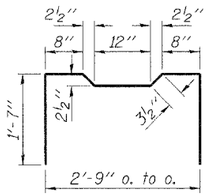
Showing Rail Post Spacing



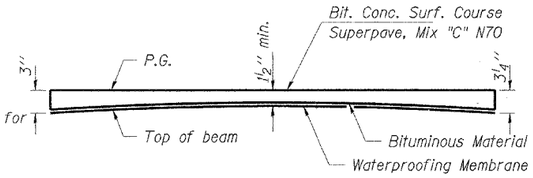
FABRIC BEARING PAD DETAILS



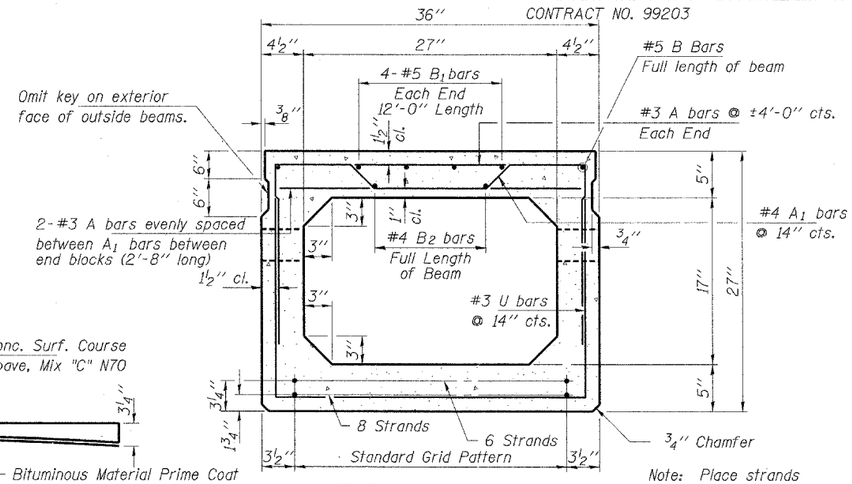
BARS U & U1



BAR A1



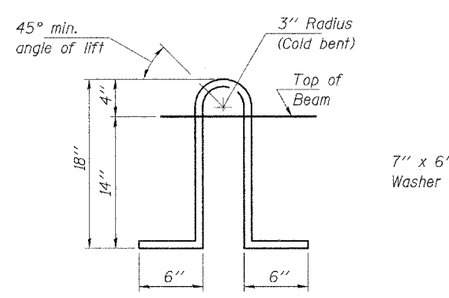
ANTICIPATED CAMBER DIAGRAM



TYPICAL SECTION

14-½"ϕ Strands Each Strand Stressed to 30,900 Lbs.
8-Strands 1¾" up, 6-Strands 3¼" up
Expected Camber = 1¼"

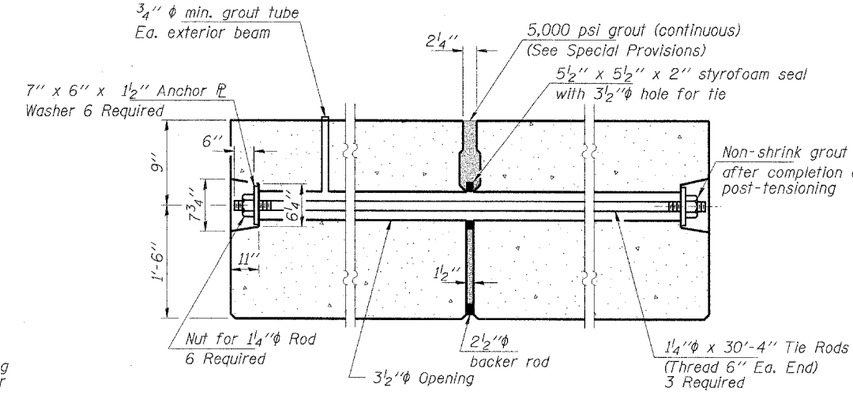
Note: Place strands symmetrically about ℄ of beam.



LIFTING LOOP DETAIL

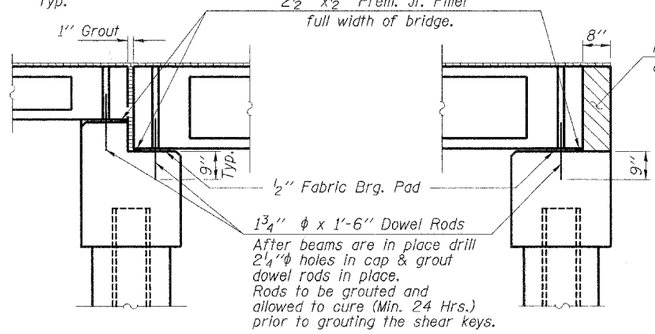
Approved alternate may be substituted for the above detail.

Note:
The loop shall be formed in a manner such that all strands are engaged during lifting. Loops shall be burned off after the beams have been erected.



TYPICAL POST-TENSIONED TRANSVERSE TIE ROD DETAIL

1¼"ϕ Threaded Bar tensioned to 120 kip max. transfer stress (Lockoff)



SECTION AT PIER

SECTION AT EAST ABUT.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,800
Waterproofing Membrane System	Sq. Yd.	210
PC Mortar Fairing Course	Foot	135

Weight of one beam = 33,900 pounds.

Note: See sheet 15 for details and notes.
See Roadway Quantity Table (Sheet 2) for bituminous quantity.

HLR
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A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
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DuQuoin, Illinois 62832
618-790-4637
Account Number
12-47-0016-1
Date: 10-28-04
DESIGNED: S.W.M. | CHECKED: T.P.L. | DRAWN: D.B.

SUPERSTRUCTURE - SPAN 2

F.A.S. 1870 / C.H. 7

SECTION 03-00136-00-BR

JACKSON COUNTY

STR. NO. 039-3249 / STATION 10+04