

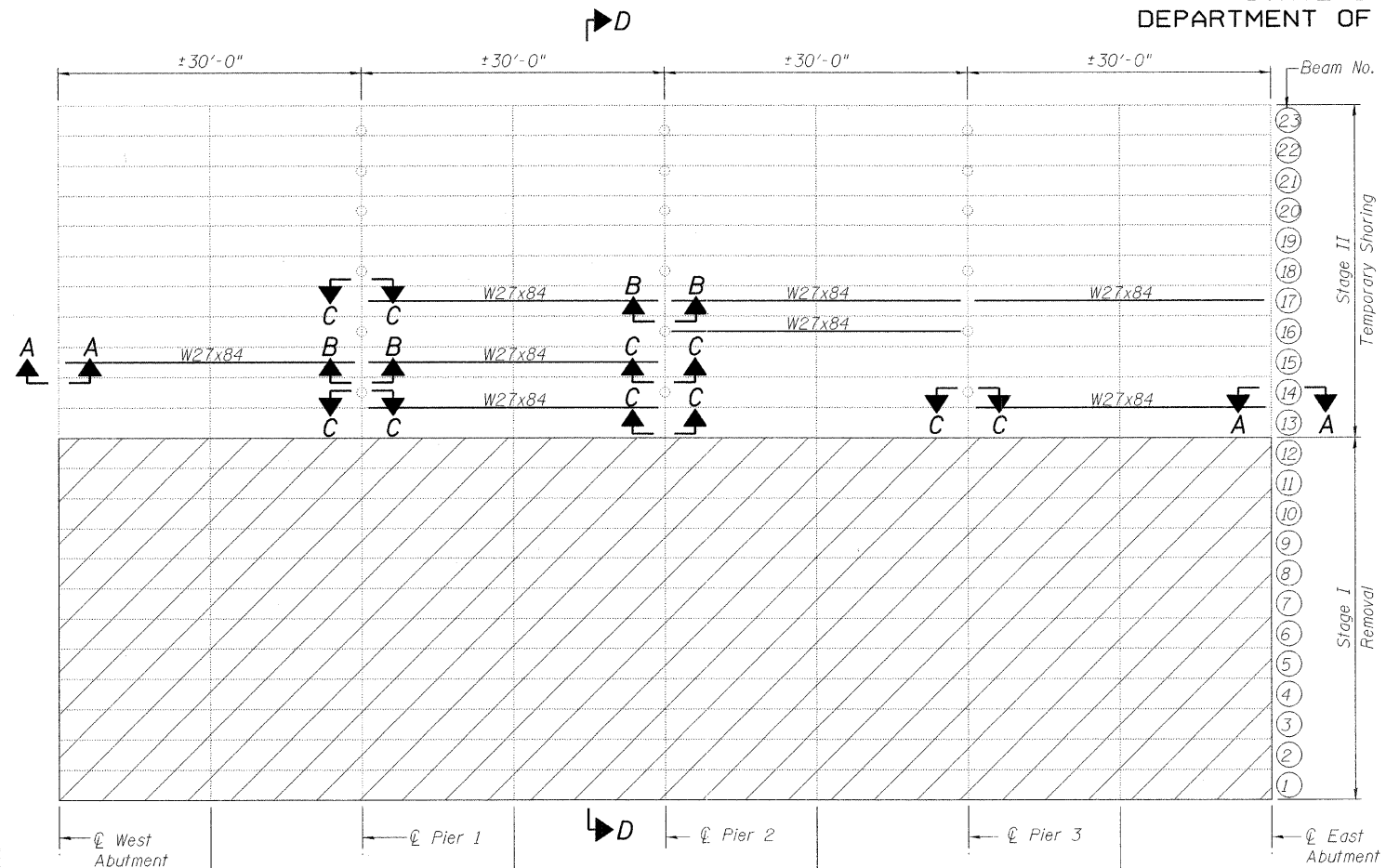
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	++	DU PAGE	65	35
FED. ROAD DIST. NO. 7		ELLIPSES	FED. AID PROJECT	

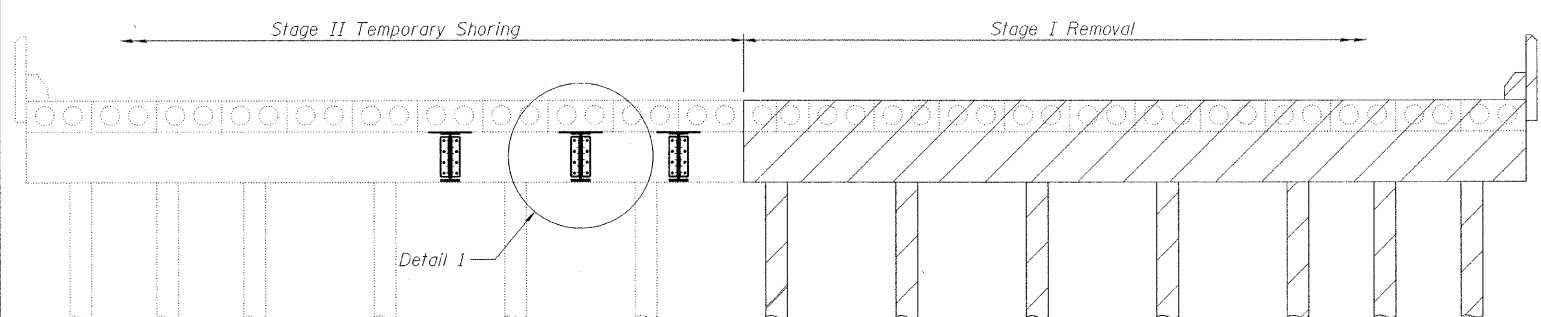
SHEET NO. 5  
25 SHEETS

++ 98-00153-02-BR  
Contract No. 63077

DYWIDAG THREADBAR  
or approved equivalent



EXISTING DECK PLAN



SECTION D-D

**NOTES FOR REMOVAL AND  
TEMPORARY SHORING OF EXISTING BEAMS:**

The Contractor shall provide support and/or shoring systems for the PPC deck beams at the locations as indicated on the plan and at other locations as required in order to furnish an added degree of safety. The support and/or shoring systems shall be approved by the Engineer. Such approval will not relieve the Contractor of responsibility for the safety of the structure.

After the removal of the existing PPC deck beams for stage I removal, the Contractor shall reconnect or reengage the transverse tie rod in the existing deck beams for stage I traffic.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Temporary Support System	L. Sum	1

**NOTES FOR CONSTRUCTION:**

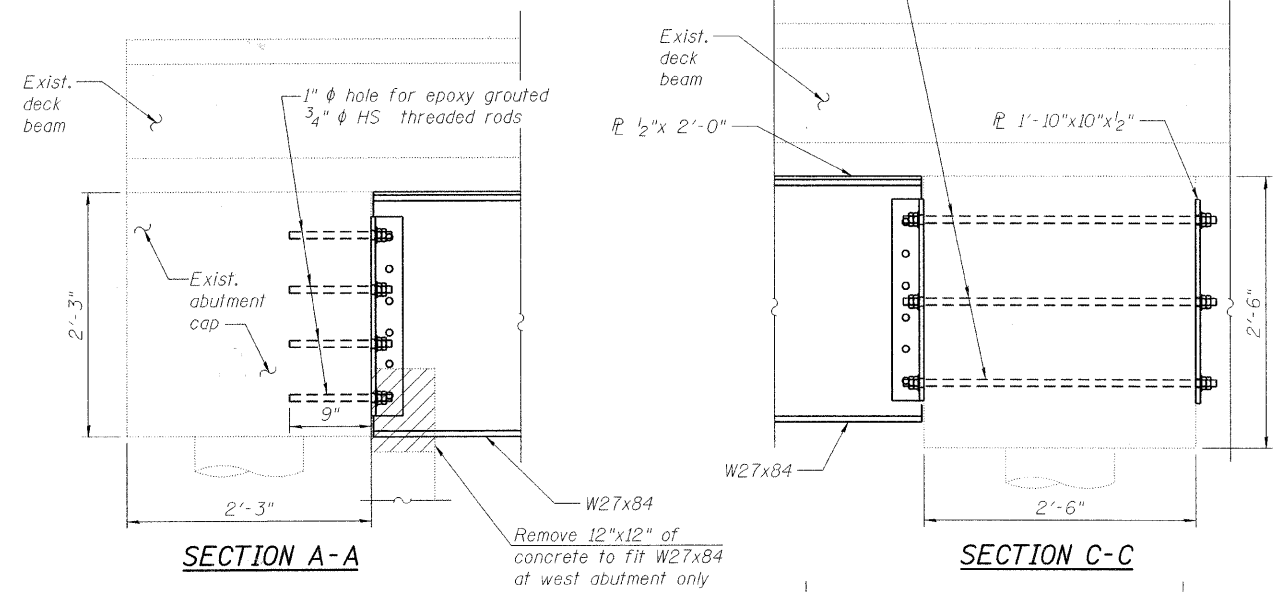
The Contractor shall field verify all existing dimensions and conditions prior to ordering any material and construction.

If the Contractor's construction procedures involve placement of cranes or other heavy equipment on the existing deck, a detailed procedure shall be submitted to the Engineer for approval. The submittal shall include calculations and sketches sealed by an Illinois Licensed Structural Engineer. The calculations shall verify that the heavy equipment and procedure used will not overstress the remaining half of the existing structure.

The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

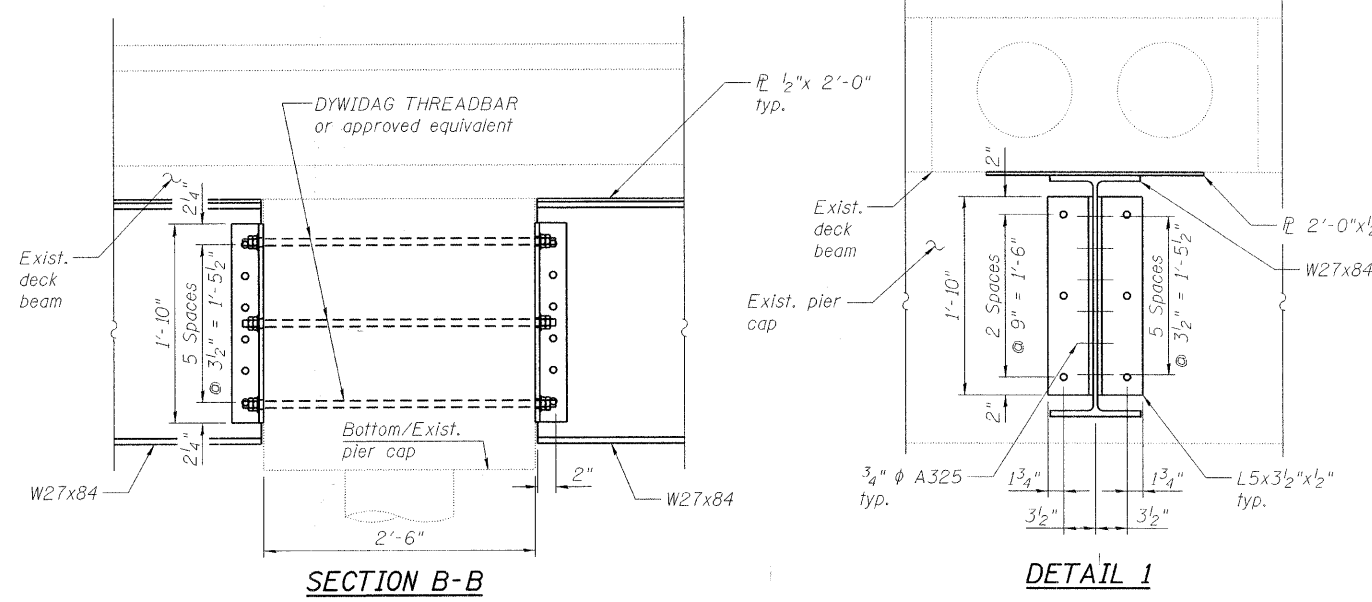
To ensure an even distribution of load on the existing deck beams, in all cases a double layer heavy timber planks shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used to ensure uniform contact with the underlying beams.

Install the temporary support for the existing deck beams on the north half of the existing bridge prior to removing any existing deck beams for Stage I removal.



SECTION A-A

SECTION C-C



SECTION B-B

DETAIL 1

Notes:  
All structural steel shall conform to AASHTO Classification M270 Gr. 36, unless otherwise noted.  
See Section 584 of the Standard Specification for Epoxy Grouting of Threaded Rods.  
The cost of epoxy grouting threaded rods shall be included with Temporary Support System.  
Drilled holes shall miss existing reinforcement. Cost of all structural steel, threaded rods, DYWIDAG THREADBAR, drilling holes, etc. is included with Temporary Support System.

**DECK BEAM REACTION TABLE**

Loading	Reaction (k)	
	Unfactored	Factored
Dead Load	13	17
Live Load + Impact	25	55

**TEMPORARY SHORING PLAN  
AND DETAILS**  
F.A.P. RT. 345 - SEC. 98-00153-02-BR  
DU PAGE COUNTY  
STATION 107+17.50  
STRUCTURE NO. 022-3011



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