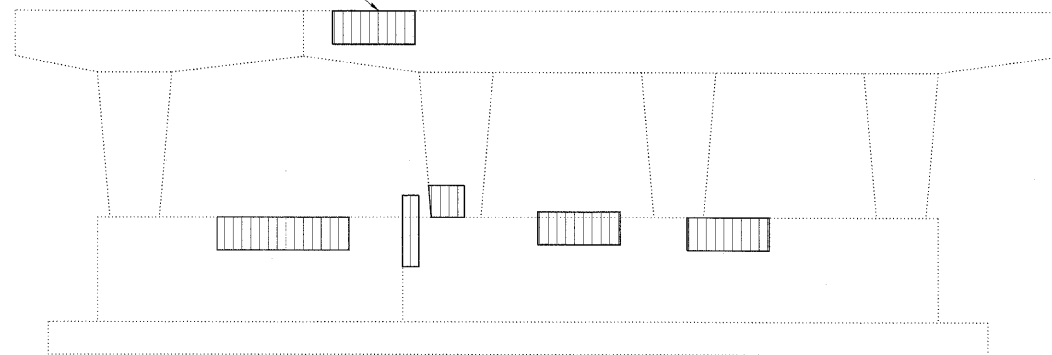
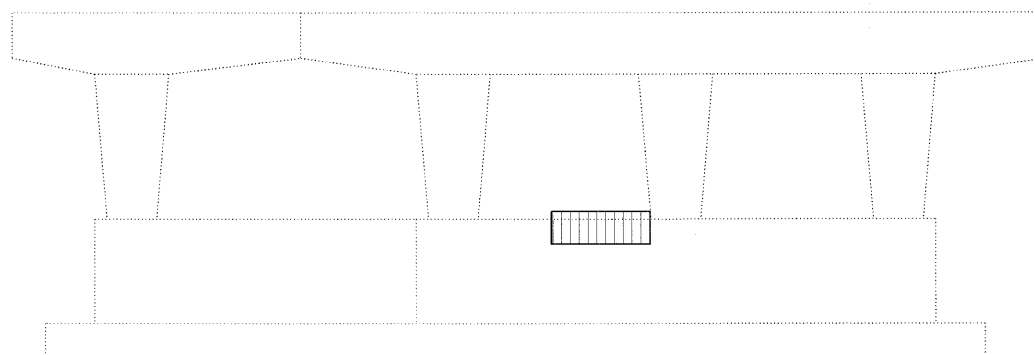


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Temporary Shoring and Cribbing



EAST PIER REPAIRS - WEST FACE



WEST PIER REPAIRS - WEST FACE

BILL OF MATERIAL

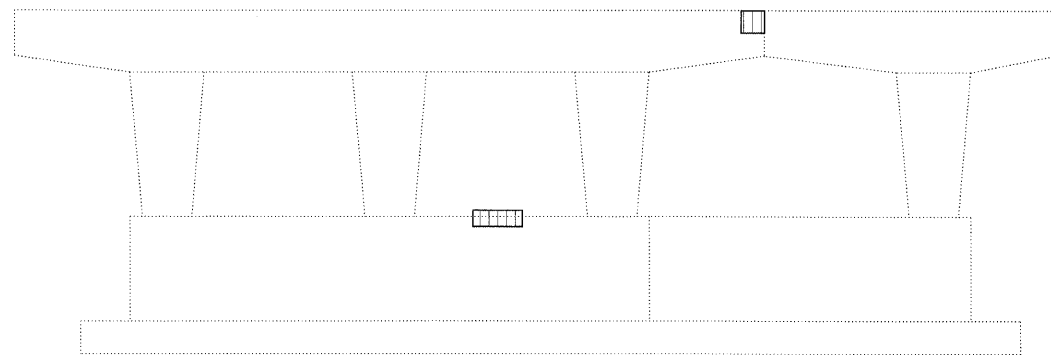
SYMBOL	ITEM	UNIT	QUANTITY
	Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	209
	Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq. Ft.	40
	Temporary Shoring & Cribbing	Each	3

BEAM REACTIONS (KIPS)

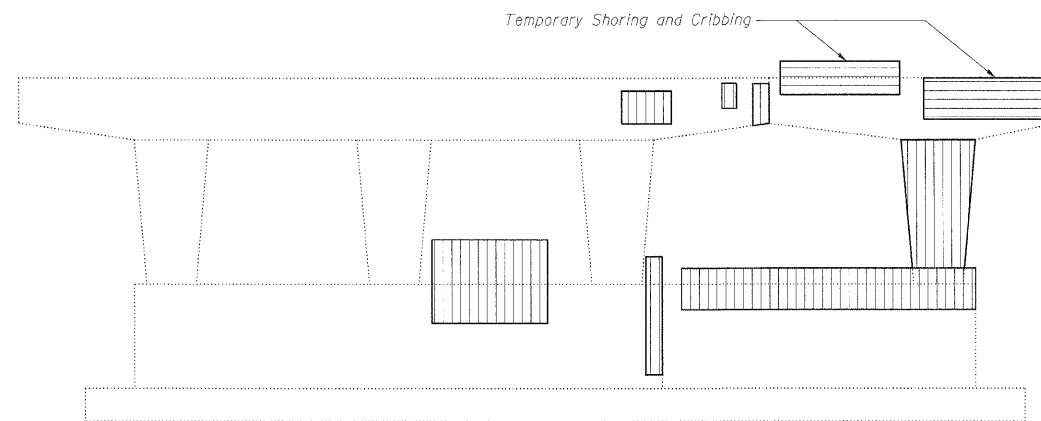
DEAD LOAD	LIVE LOAD	IMPACT LOAD	TOTAL
101.0	55.3	14.8	171.1

Notes:

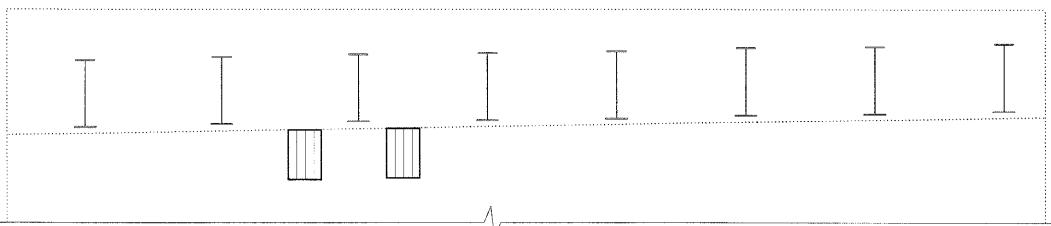
- Substructure repair areas are estimated based on IDOT field notes from April 24, 2009.
- Interference is expected from existing conduits. The Contractor shall remove and reerect or temporarily support the existing conduits to complete the work as detailed. When the work is completed the conduits shall be reconnected to the reconstructed abutment or pier utilizing the existing mounting brackets or new mounting brackets. All labor, equipment, and materials necessary for removing and reinstalling or temporarily supporting the existing conduits shall be included in the cost for Structural Repair of Concrete (Depth Equal to or Less than 5 Inches).
- The tabulated beam reactions were taken from the existing construction plans. The Contractor shall verify that the equipment used to support the beams is sufficient to carry these loads in addition to any temporary construction loads.



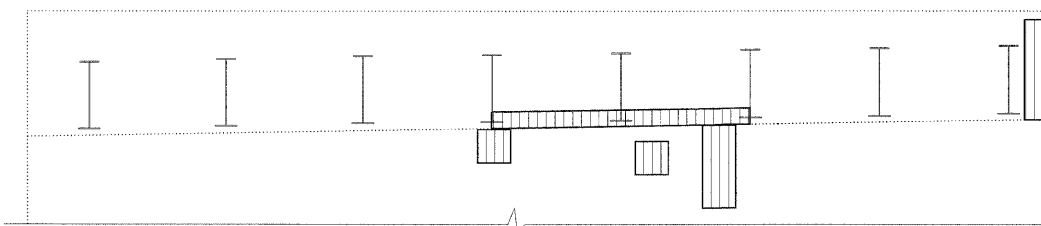
EAST PIER REPAIRS - EAST FACE



WEST PIER REPAIRS - EAST FACE



EAST ABUTMENT REPAIRS



WEST ABUTMENT REPAIRS

DESIGNED -	TJJ
CHECKED -	AAY
DRAWN -	RMG
CHECKED -	AAY

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 9 12 SHEETS	F.A.I. RTE. 290 355	SECTION 22(1, 1-1, 2&3)RS-7	COUNTY DUPAGE	TOTAL SHEETS 546	SHEET NO. 338
	CONTRACT NO. 60G51			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

SUBSTRUCTURE REPAIRS
STRUCTURE NO. 022-0105

x:\10000s\10050\engineering\documents\contract\1\SN.022.0105.Wooddale.Rd\0105-60G51-repair.dgn 18:06:05 11\12\2009