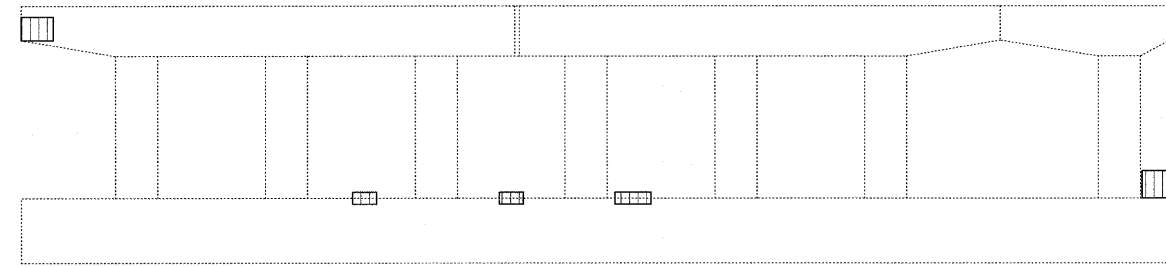
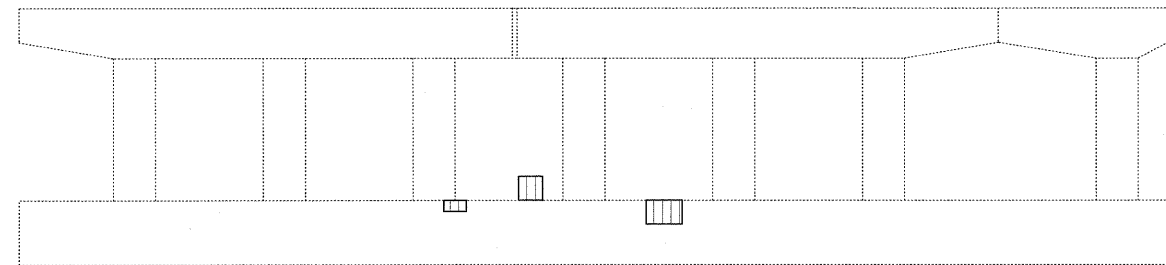


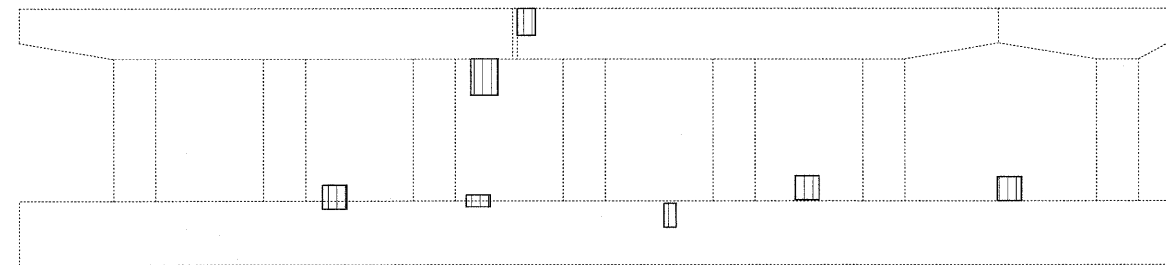
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



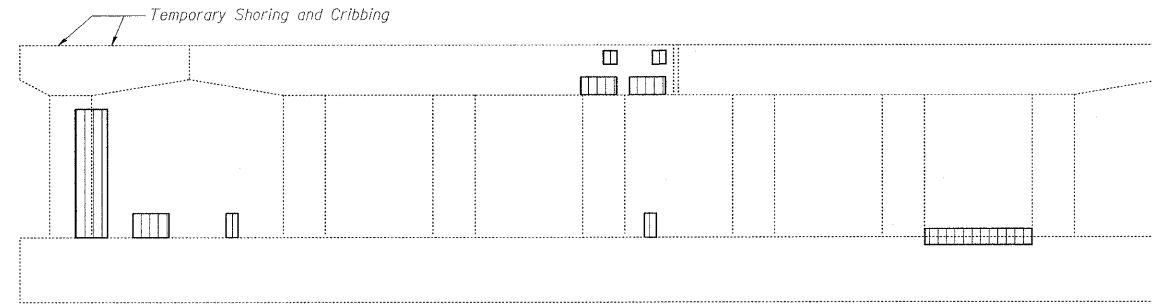
PIER 1 REPAIRS - WEST FACE



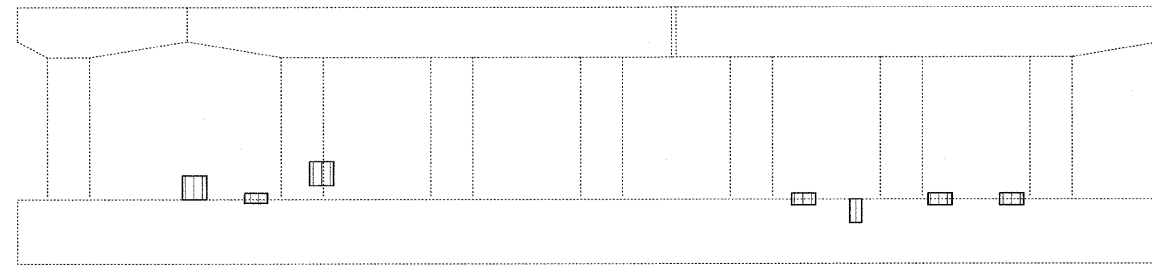
PIER 2 REPAIRS - WEST FACE



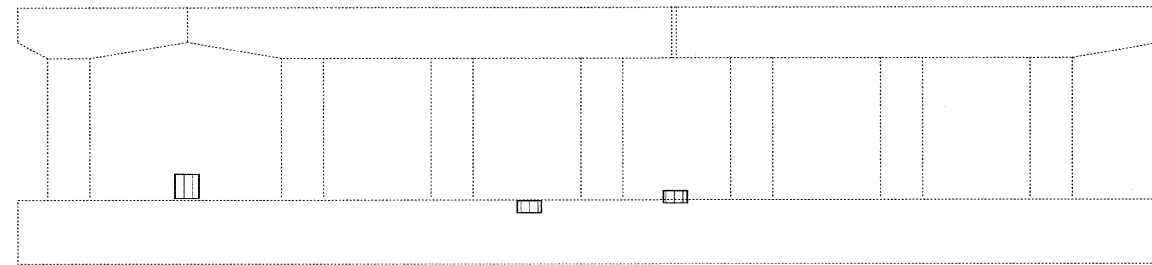
PIER 3 REPAIRS - WEST FACE



PIER 1 REPAIRS - EAST FACE



PIER 2 REPAIRS - EAST FACE



PIER 3 REPAIRS - EAST FACE

BILL OF MATERIAL

SYMBOL	ITEM	UNIT	QUANTITY
	Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	164
	Temporary Shoring and Cribbing	Each	2

BEAM REACTIONS (KIPS)

DEAD LOAD	LIVE LOAD	IMPACT LOAD	TOTAL
44.7	43.6	12.8	101.1

Notes:

- Pier substructure repair type and areas are estimated based on IDOT field notes from August 2009. Actual repair areas and locations shall be determined by the Engineer and shown on As-Built plans.
- Temporary Shoring and Cribbing shall be provided per the Special Provisions for "Structural Repair of Concrete" and "Temporary Shoring and Cribbing".
- 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.

SUBSTRUCTURE REPAIRS
STRUCTURE NO. 022-0006

DESIGNED	MFB
CHECKED	KWS
DRAWN	RMG
CHECKED	KWS

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-665-0450 Job No. 10050

SHEET NO. 15	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25 SHEETS	290	2009-099 BR	COOK/DUPAGE	309	234
			CONTRACT NO. 60157		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			