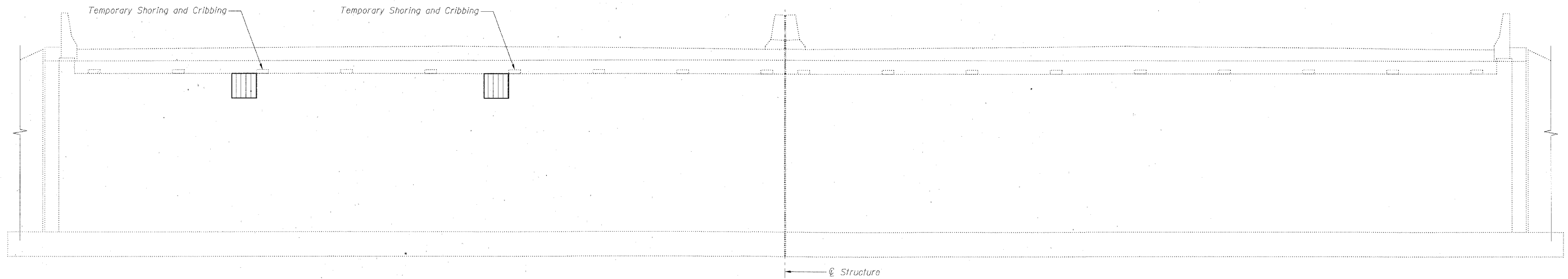
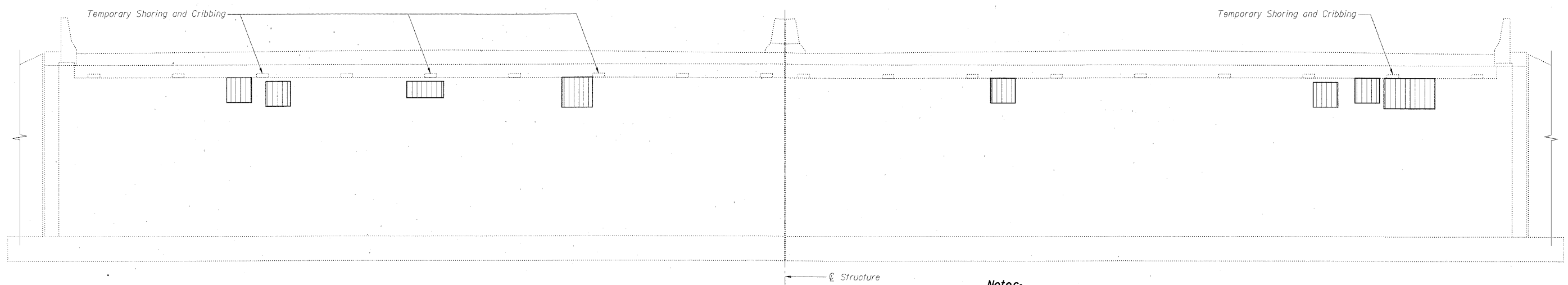


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**EAST ABUTMENT ELEVATION**  
(Looking East)



**WEST ABUTMENT ELEVATION**  
(Looking West)

**BILL OF MATERIAL**

Symbol	Item	Unit	Quantity
	Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	50
	Temporary Shoring and Cribbing	Each	6

**BEAM REACTIONS (KIPS)**

DEAD LOAD	LIVE LOAD	IMPACT LOAD	TOTAL
17.5	32.0	9.6	59.1

**Notes:**

- The abutment repairs are estimated based on visual inspections completed in June 2009.
- Temporary Shoring and Cribbing shall be provided per the Special Provisions for "Structural Repair of Concrete" and "Temporary Shoring and Cribbing".
- 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.

DESIGNED -	DMS
CHECKED -	EFS
DRAWN -	RMC
CHECKED -	KJN

**ABUTMENT REPAIR DETAILS**  
**STRUCTURE NO. 016-0986**

**benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-665-0460 Job No. 10050

SHEET NO. 5 5 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(3435, ETC., 3838)RS-5	COOK	264	219
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
				CONTRACT NO. 60G52	