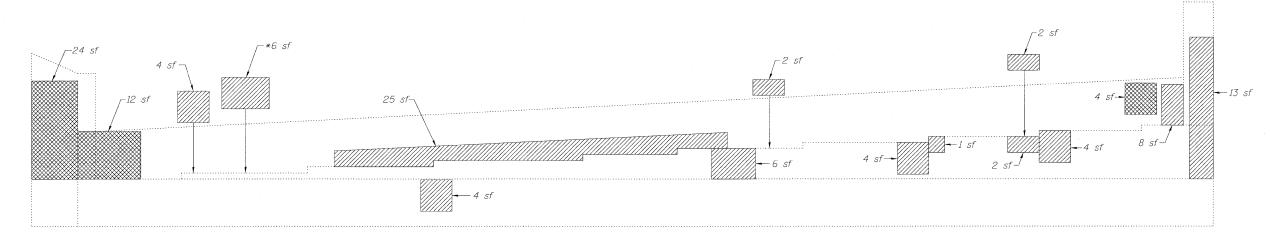
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



NORTH ABUTMENT (Looking North)

GIRDER REACTION (from Existing Plans)

RQ (k) 16.3 R4 + 1M (k) 54.0 RTotal (k) 70.3 *For spall under bearing, the beam shall be jacked and cribbed to remove bearing. The jack shall have a minimum capacity of 1.5*(RQ+0.5*(R4+1M)). See existing plans for bearing details. The concrete area shall be repaired as Structural Repair of Concrete (Depth Less Than or Equal to 5 inches). Care shall be taken not to damage anchor bolts. Once the concrete has attained the required strength and the curing period is complete, the bearing shall be reinstalled and the cribbing shall be removed.



SOUTH ABUTMENT

(Looking South)

Repair of the existing abutments shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth greater than 5 in.)	Sq. Ft.	46
Structural Repair of Concrete (Depth equal to or less than 5 in.)	Sq. Ft.	179
Temporary Shoring and Cribbing	Each	1

<u>ABUTMENT REPAIR</u> <u>STRUCTURE NO. 016-0373</u>

LEGEND



Structural Repair of Concrete (Depth greater than 5")



Structural Repair of Concrete (Depth equal to or less than 5")

LIN ENGINEERING,LTD.
Consulting Engineers
Chatham, Illinois

SH	HEET	NO.	3
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(531-3.1,0305-302K)RS-5	COOK	314	17/
		CONTRACT	NO. 6	50138

FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

SOUTHEAST WINGWALL

NORTHEAST WINGWALL

sf Square Feet