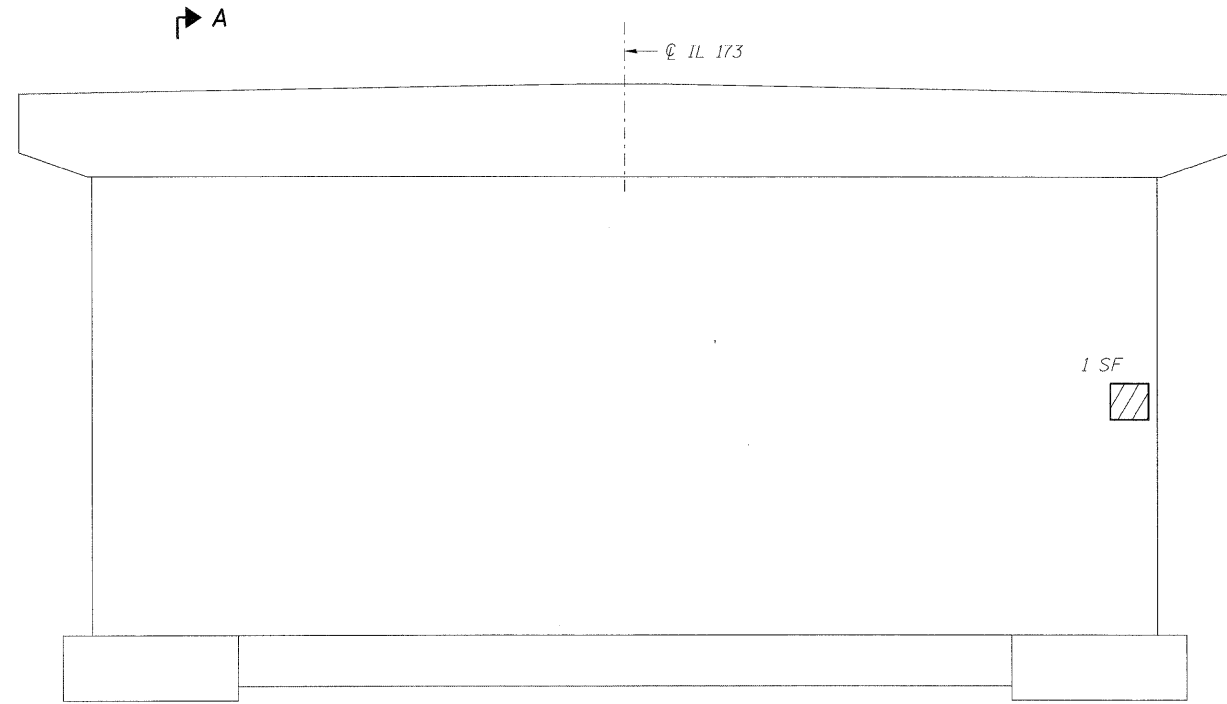

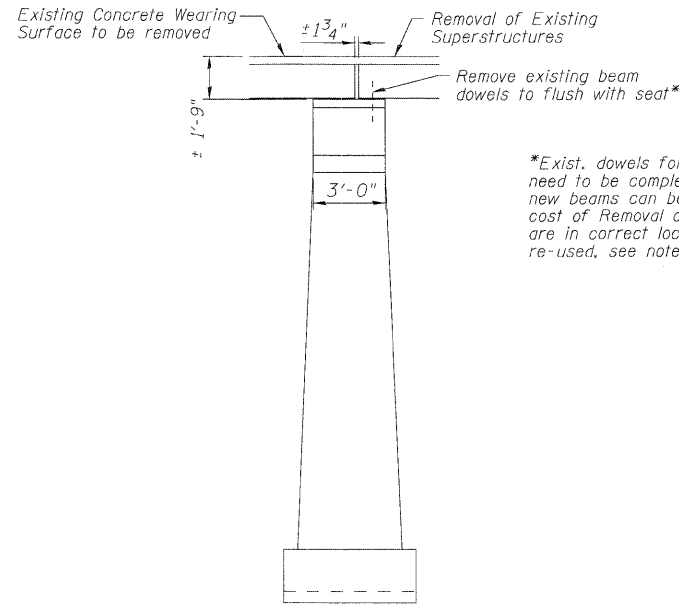


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION - REMOVAL AND REPAIR
West Face
(Looking East)

— Epoxy Crack Injection
 Formed Concrete Repair Depth < 5"



SECTION A-A

*Exist. dowels for exterior beams on all three spans may need to be completely cored out of piers so dowels for new beams can be installed, V.I.F., to be included with cost of Removal of Exist. Superstructures. If exist. dowels are in correct location for new outside beams, they may be re-used, see notes below for re-using exist. dowels.

NOTES

Existing reinforcement shall be cleaned, straightened (if required) and incorporated into the new construction. Cost included with Concrete Removal.
 Existing reinforcement bars which have lost 25% or more of their original diameter shall be supplemented by new epoxy coated bars of the same diameter. New bars shall be drilled and epoxy grouted in place adjacent to the original bars, as directed by the Engineer.
 Drilling and epoxy grouting of reinforcement bars shall be in accordance with Article 584 of the Standard Specifications.
 Pier 1 shown, pier 2 similar. There is no noteworthy damage to any piers, except what is shown on west face of pier 1
 See sht. S8 of S20 for proposed section thru piers 1 & 2.

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth less than equal to 5")	Sq. Ft.	1

DESIGNED -	SLV
CHECKED -	DJB
DRAWN -	SLV
CHECKED -	DJB

LONGO, INC.
 CONSULTING ENGINEERS
 1560 WALL ST, SUITE 222
 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100

PIERS 1 & 2 DETAILS
STRUCTURE NO. 049-0059

SHEET NO. S19 OF S20 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	303	136 B-1	LAKE	43	34
D-91-290-09			CONTRACT NO. 60F93		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					