

Existing Structure: SN 075-0004, built in 1955, is a two span concrete continuous slab structure with closed abutments. It has an overall length of 48'-2" back to back abutment and 47'-4" out to out of deck. The existing deck has a 2"± concrete overlay, construction date unknown.

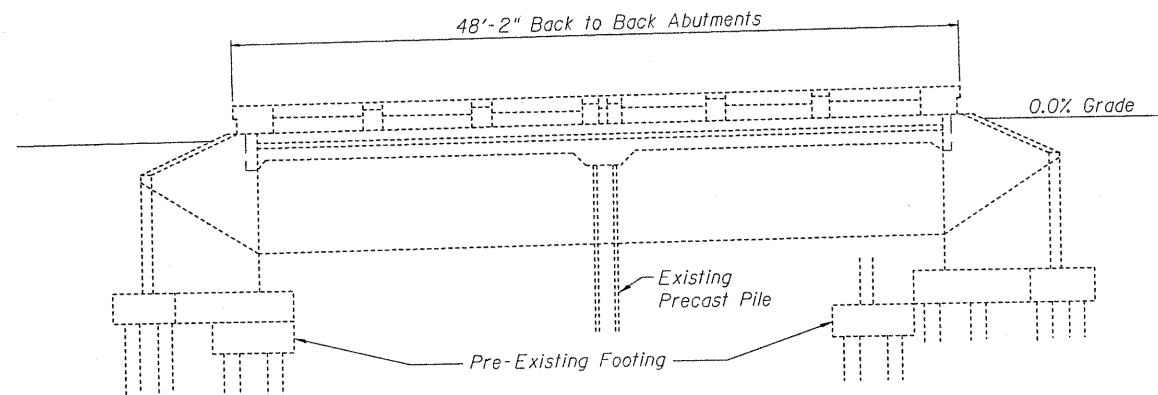
Structure improvements include hydro-scarification of the deck, placing microsilica overlay and polymer concrete.

Traffic to be maintained utilizing stage construction.

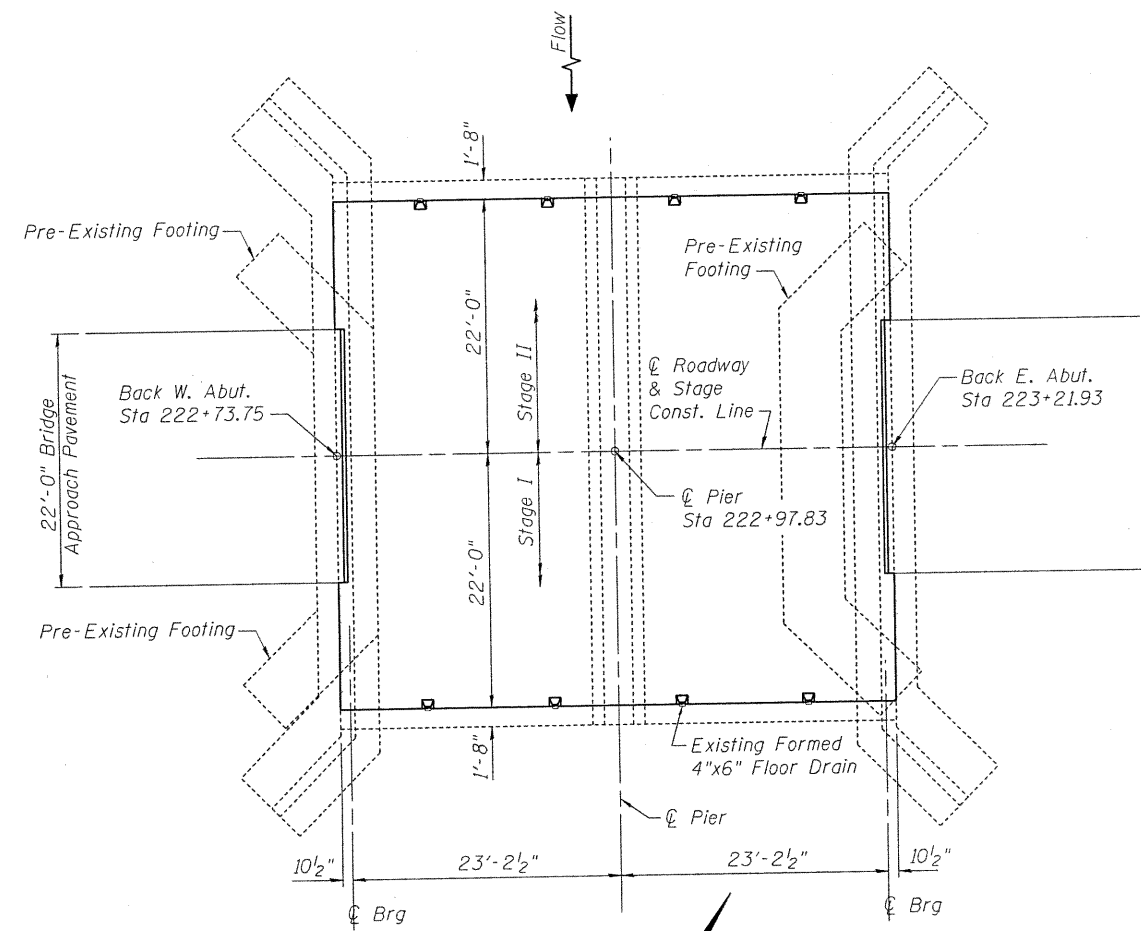
No salvage.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work. However, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All repair work associated with the bridges shall be completed by stage construction utilizing TC&P, Standard 701316 as detailed in these repair plans.



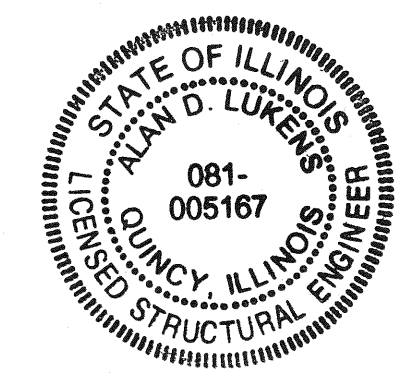
ELEVATION



PLAN

TOTAL BILL OF MATERIALS		
ITEM	UNIT	TOTAL
BRIDGE DECK GROOVING	SQ YD	220
BRIDGE DECK HYDRO-SCARIFICATION 2 1/2"	SQ YD	235
<del>BRIDGE DECK MICRO-SILICA CONCRETE OVERLAY 2 1/4"</del>	<del>SQ YD</del>	<del>232</del>
POLYMER CONCRETE	CU FT	2.4
PROTECTIVE COAT	SQ YD	259

**BRIDGE DECK FLYASH OR GGBF SLAG SQ YD 232  
CONCRETE OVERLAY, 2 1/4"**



*Alan D. Lukens* 2-10-10 Date

Alan D. Lukens  
Licensed Structural Engineer  
State of Illinois No. 081-005167  
License Expires 11/30/10

**GENERAL PLAN & ELEVATION  
IL 106 OVER HADLEY CREEK  
SN 075-0004**

DESIGNED	KTH
CHECKED	ADL
DRAWN	KTH/BGJ
CHECKED	KTH

**KLINGNER & ASSOCIATES, P.C.**  
Engineers • Architects • Surveyors

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STATE OF ILLINOIS DESIGN FIRM # 1842738

SHEET NO. 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	751	D6 BRIDGE REPAIR 2009	PIKE	22	18
5 SHEETS		CONTRACT NO. 72D44			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		