

Existing Structure: SN 075-0024 is a thru span concrete continuous slab structure with closed abutments & solid piers. This structure was built in 1964. It has an overall length of 91'-6" back to back abutment and a 46'-10 1/2" out to out deck with expansion joints and longitudinal joint were replaced in 1997. There is no reconstruction history since 1997.

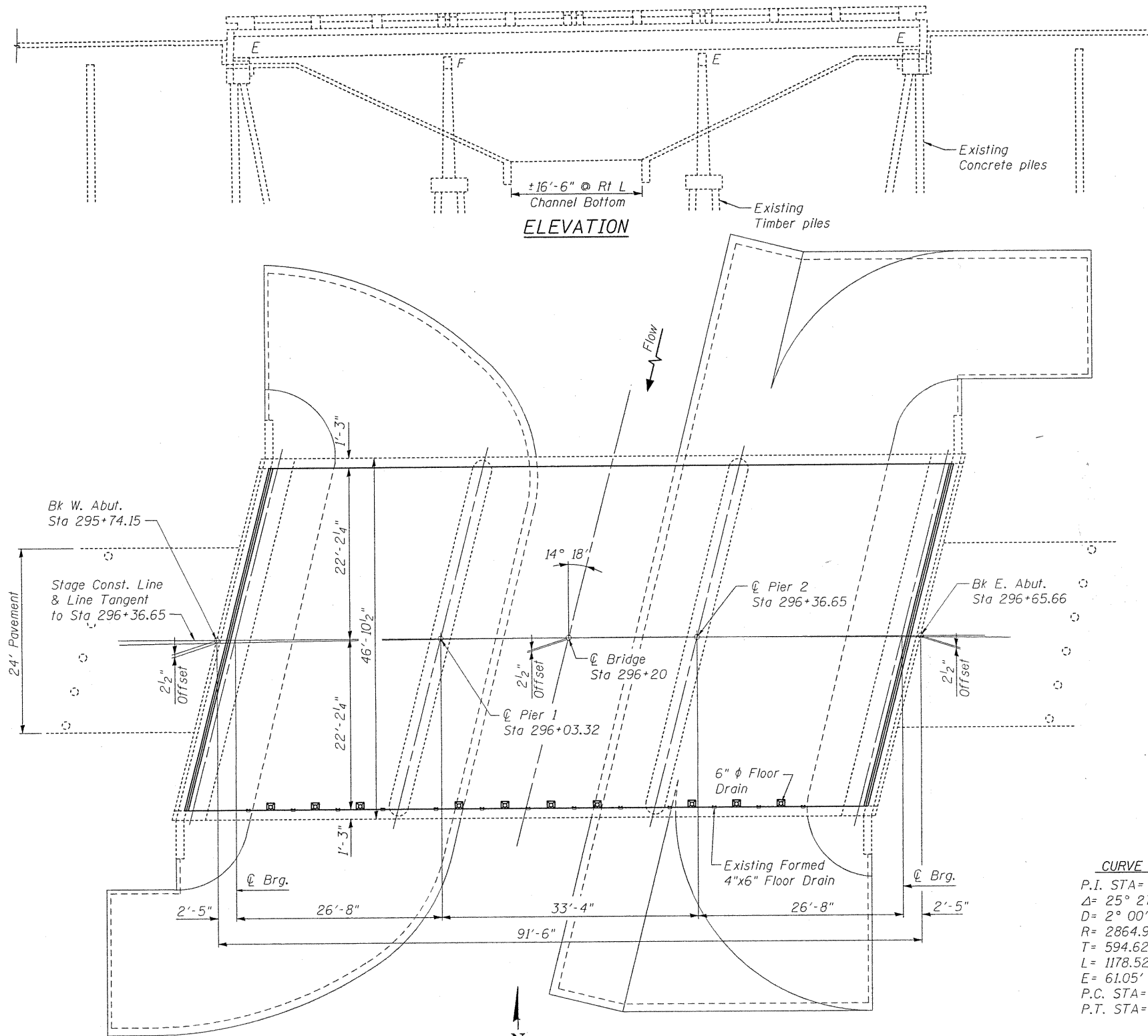
Structure improvements include hydro-scarification of the deck, plugging existing floor drains, adding new deck drains, placing microsilica overlay, and placing polymer concrete & silicone joint sealer at the expansion joints.

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.



TOTAL BILL OF MATERIALS		
ITEM	UNIT	TOTAL
BRIDGE DECK GROOVING	SQ YD	419
BRIDGE DECK HYDRO-SCARIFICATION 1/2"	SQ YD	438
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	431
FLOOR DRAINS	EACH	10
POLYMER CONCRETE	CU FT	10.0
PLUG EXISTING FLOOR DRAINS	EACH	13
PROTECTIVE COAT	SQ YD	475
SILICONE JOINT SEALER	FOOT	92.0

BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/4" SQ YD 431

CURVE DATA
 P.I. STA= 301+23.57
 Δ= 25° 27'
 D= 2° 00'
 R= 2864.98'
 T= 594.62
 L= 1178.52
 E= 61.05'
 P.C. STA= 295+28.05
 P.T. STA= 307+01.45



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 THE SNY RIVER
 SN 075-0024**

DESIGNED	KTH
CHECKED	ADL
DRAWN	KTH/BGJ
CHECKED	ADL

KLINGNER & ASSOCIATES, P.C.
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 STATE OF ILLINOIS DESIGN FIRM # 1842738

SHEET NO. 1 5 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	751	D6 BRIDGE REPAIR 2009	PIKE	22	13
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT		
CONTRACT NO. 72D44					