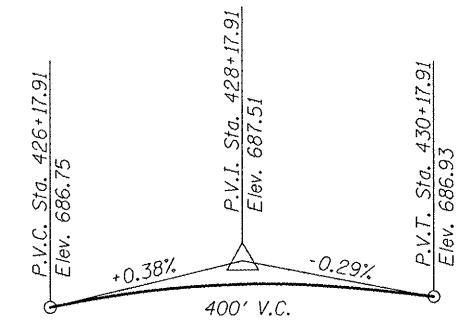
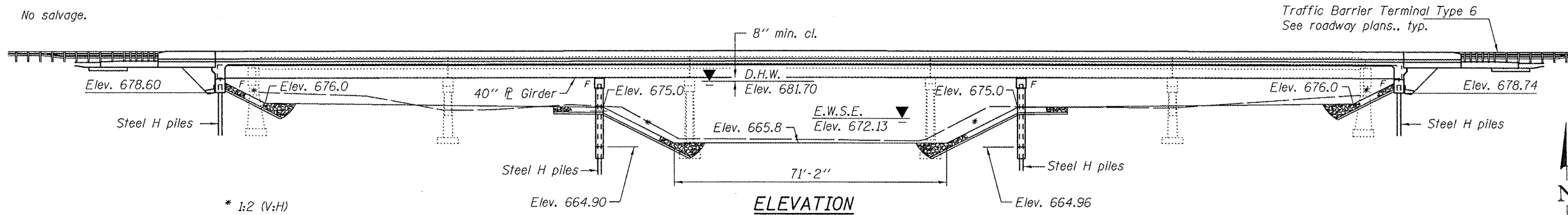


Benchmark: 4865-1: Chiseled on top of the Southwest wingwall of S.N. 057-0093.
Sta. 426+70.76, 21.13' Rt. Elev. 685.00

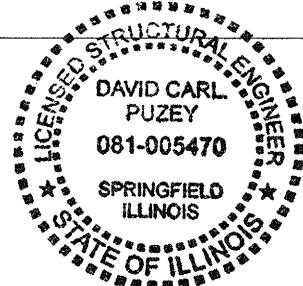
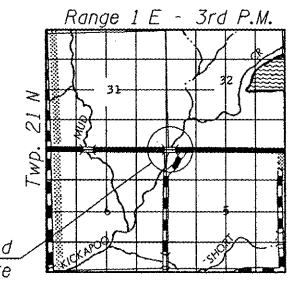
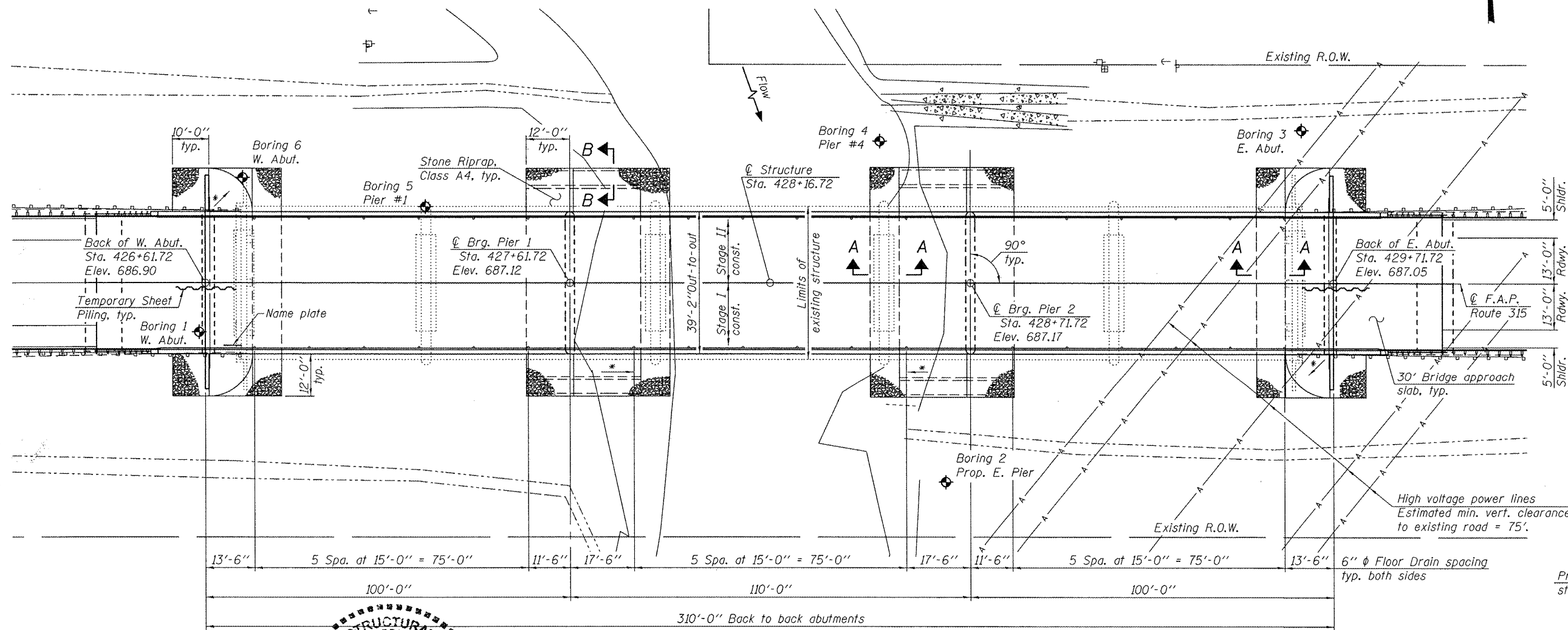
Existing structure: Structure No. 057-0093 originally built in 1936 as F.A. Route 119, Section 121-B W.P.H. Rebuilt in 1980 as F.A. Route 53, Section 121 BR-1. The existing structure consists of a 5 span PPC deck beam structure supported on 3 column abutments and solid wall piers. 292'-4" back to back abutments and 42'-0" out to out of deck. Structure to be removed and replaced. Traffic to be maintained utilizing stage construction.

No salvage.



STATION 428+16.72
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 315 SEC. 121 BR-2
LOADING HL93
STRUCTURE NO. 057-0244

NAME PLATE
See Std. 515001



DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications, 5th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Grade 50W) *

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.
SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.128 g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.214 g
Soil Site Class = D

GENERAL PLAN AND ELEVATION
U.S. RTE. 136 OVER KICKAPOO CREEK
F.A.P. RT. 315 - SEC. 121 BR-2
MCLEAN COUNTY
STATION 428+16.72
STRUCTURE NO. 057-0244

DESIGNED - [Signature]	EXAMINED - [Signature]	DATE - October 5, 2011
CHECKED - [Signature]	PASSED - [Signature]	
DRAWN - h.t. duong		
CHECKED - MDR / NRS		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GENERAL PLAN & ELEVATION STRUCTURE NO. 057-0244		SHEET NO. 1 OF 30 SHEETS	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.	
315	121 BR-2	MCLEAN	144	49	
			CONTRACT NO. 70552		
ILLINOIS FED. AID PROJECT					