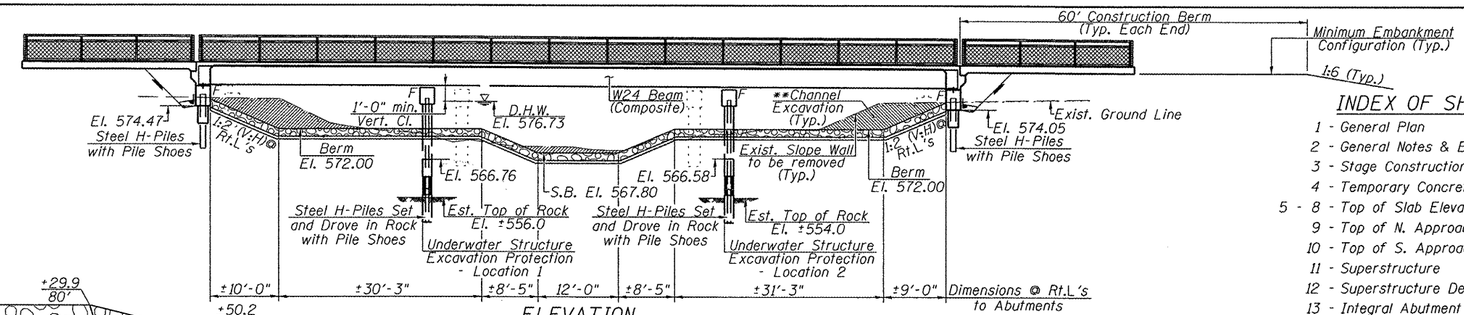
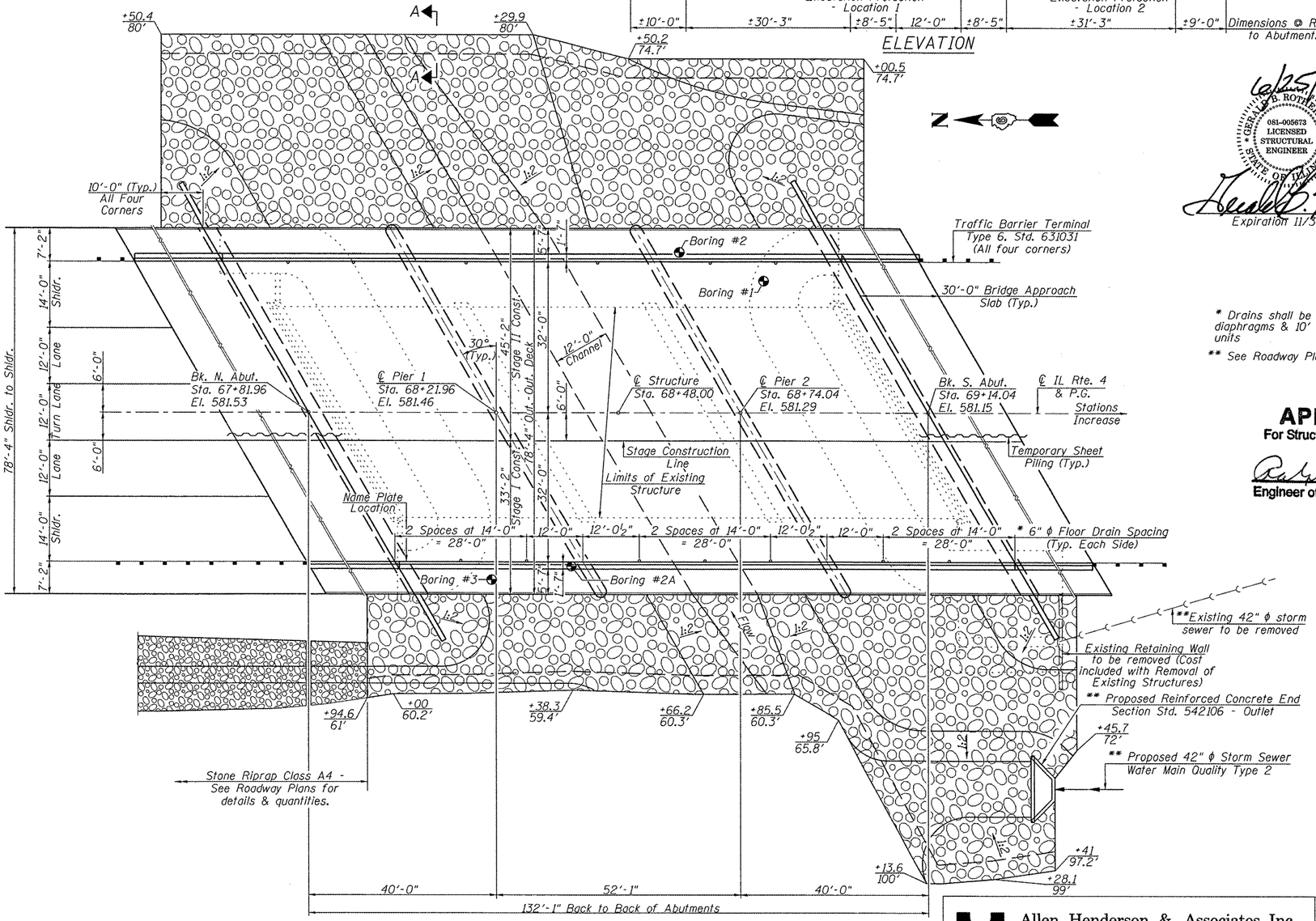
Bench Mark: Chiseled "□" on S.W. Wingwall of Existing Structure. Elevation 580.521

Existing Structure: S.N. 084-0172 originally built in 1978 as F.A. Rte. 662. Section H-BR and rehabilitated in 1998 as F.A.P. Rte 662, Section H(RS-8). Due to the deteriorated condition of the superstructure several beams were shored in 2007 and 2008 with support beams. The existing structure consists of 3 simple spans of P.P.C. deck beams supported on pile bent abutments and piers. The structure is 123'-1" Bk.-Bk. Abutments and 45'-0" out-out deck. The structure is to be removed and replaced. Traffic to be maintained utilizing stage construction.

Salvage: Existing temporary shoring steel to be salvaged. The Contractor is to contact IDOT District Six Day Labor at (217) 782-7416. Day Labor will pick-up and transport the material to the IDOT District Six Maintenance Yard located in Springfield, IL.



ELEVATION



PLAN

6/25/2010

GERALD B. ROTHERMAL
081-005673
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Expiration 11/30/2010

* Drains shall be located clear of all diaphragms & 10' clear of substructure units

** See Roadway Plans for details & quantities

APPROVED
For Structural Adequacy Only

Engineer of Bridges & Structures

INDEX OF SHEETS

1 - General Plan
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LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications with 2008 and 2009 Interims

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M 270 Grade 50)
fy = 36,000 psi (M 270 Grade 36)

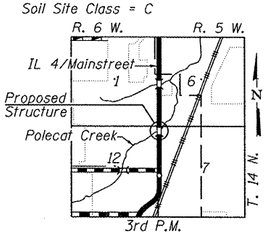
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.11g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.22g
Soil Site Class = C

STATION 68+48.00
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 662 SECTION H(RS-10,B-2)
LOADING HL-93
STRUCTURE NO. 084-0521

NAME PLATE

See Std. 515001



LOCATION SKETCH

GENERAL PLAN
IL 4 (MAIN STREET) OVER POLECAT CREEK
F.A.P. ROUTE 662 - SEC. H(RS-10,B-2)
SANGAMON COUNTY
STA. 68+48.00
S.N. 084-0521

Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm No. 184-001907

SHEET NO. 1
30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	H(RS-10,B-2)	SANGAMON	84	45
		CONTRACT NO. 72A73		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		