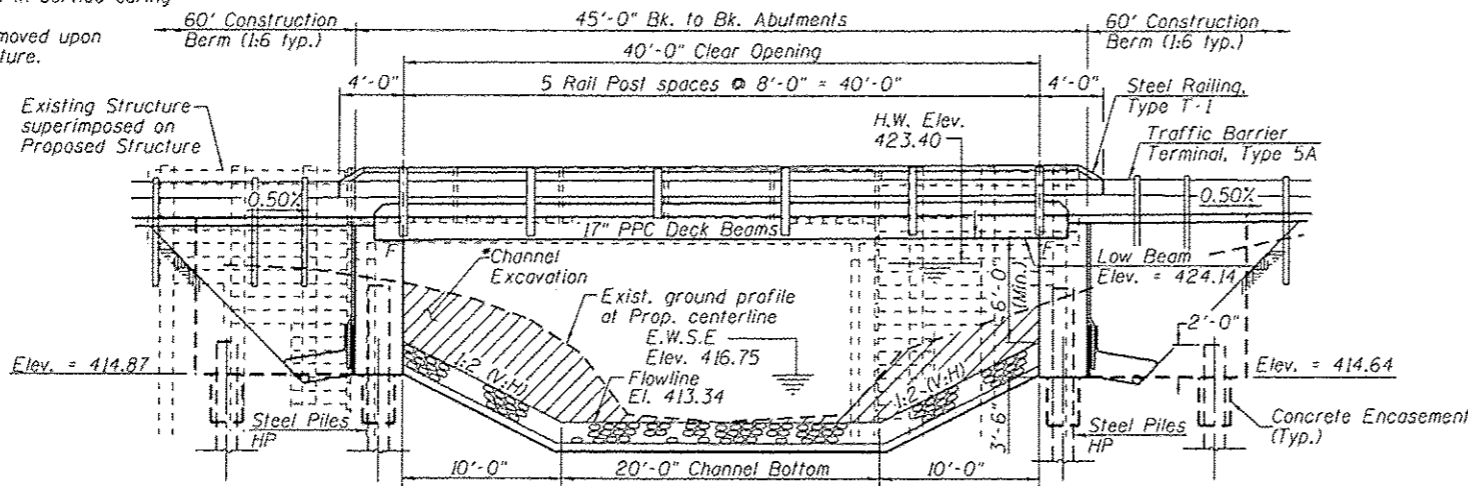


B.M. 2720 Saw-cut "a" on Northwest wingwall of Structure
 No. 044-0001 at Sta. 8.39+60. 10' Rl. of C US 45.
 Elev. 436.215

Existing Structure: S.N. 100-0058 built in 1956. The structure
 is built on timber piles, 33'-5" Bk. to Bk. of timber pile caps.
 16'-0" out-to-out wooden railing and timber decking
 supported by steel beams.

The existing structure will remain in service during
 construction of new structure.
 The existing structure will be removed upon
 completion of the proposed structure.

No Salvage



STATION 50+91.81
 BUILT 2011 BY
 STATE OF ILLINOIS
 O.R. 163
 SEC. 34B-2
 LOADING HL-93
 STR. NO. 044-0062

NAME PLATE
 See Sid. 515001

INDEX OF SHEETS

SHEET NO.	TITLE
1.	General Plan and Elevation
2.	General Data
3.	Superstructure Plan & Cross Section
4.	Superstructure Details
5.	17" x 36" PPC Deck Beam
6.	17" x 36" PPC Deck Beam Details
7.	Steel Railing, Type T1
8.	North Abutment
9.	South Abutment
10.	North & South Abutment Details
11.	HP-Pile Details
12.	Boring Logs

DESIGN SPECIFICATIONS

2012 AASHTO LRFD 6th Edition,
 with 2013 Interims

LOADING HL-93

Allow 50 psf for future
 wearing surface

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi (Cast-in-Place)
 f_y = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

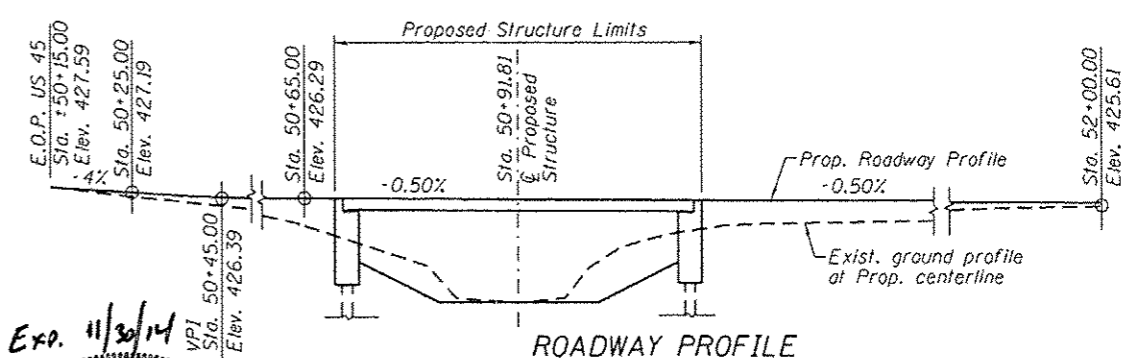
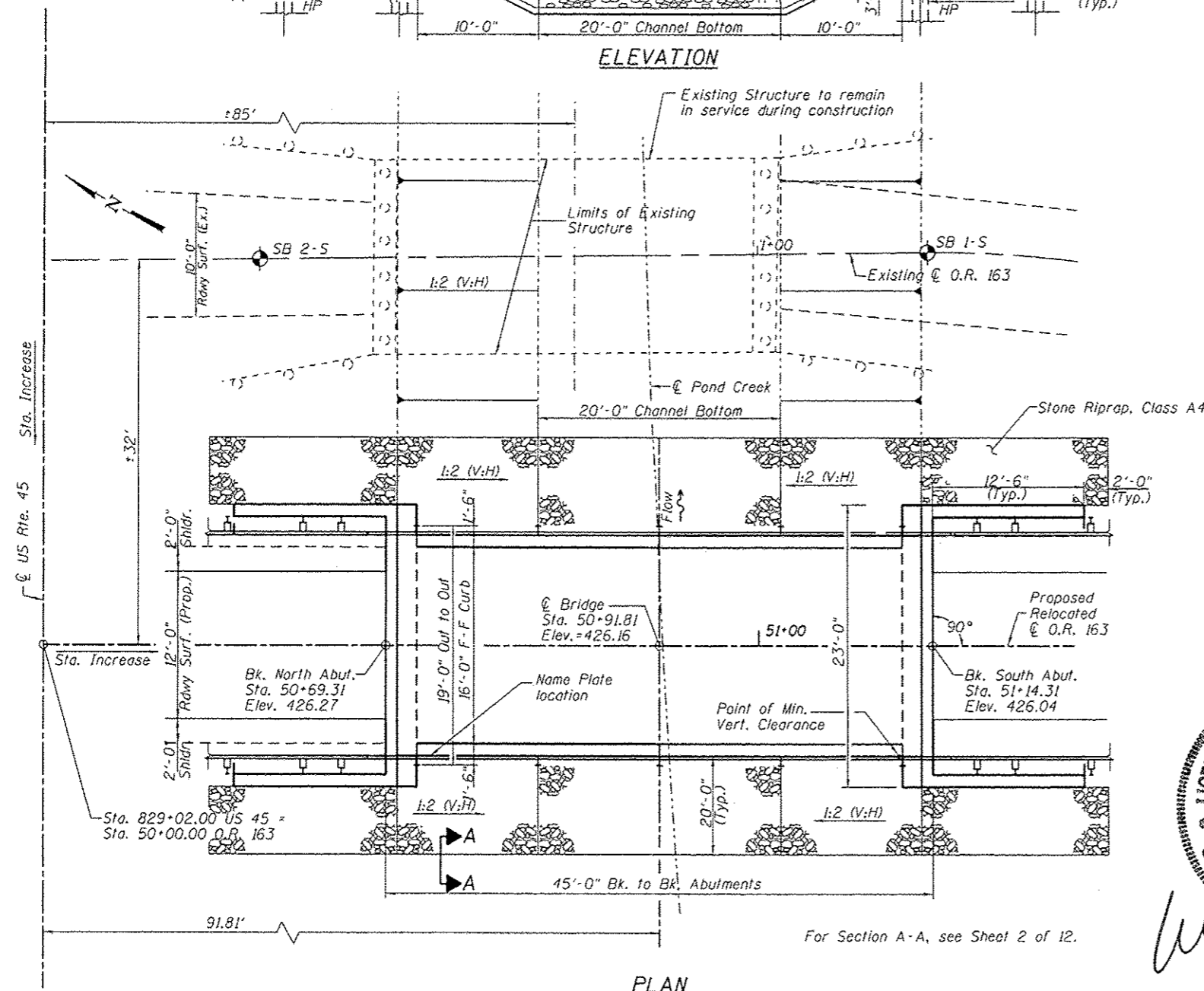
f'_c = 6,000 psi (Prestressed Beams)
 f'_{ci} = 5,000 psi (Prestressed Beams)
 f'_s = 270,000 psi ($\frac{1}{2}$ " dia. low lax. strands)
 f'_{si} = 201,960 psi ($\frac{1}{2}$ " dia. low lax. strands)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
 Design Spectral Acceleration at 1.0 sec (SD1) = 0.290g
 Design Spectral Acceleration at 0.2 sec (SDS) = 0.792g
 Soil Site Class = C

APPROVED
 For Structural Adequacy Only

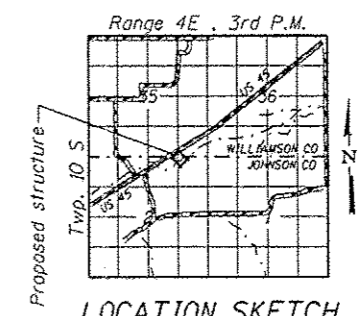
William L. Bailey, Jr.
 Engineer of Bridges & Structures



Exp. 11/30/14

12-04-2013

WILLIAM L. BAILEY, JR.
 5087
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS



GENERAL PLAN & ELEVATION
 O.R. 163 OVER
 POND CREEK
 SECTION 34B-2
 JOHNSON COUNTY
 STATION 50+91.81
 STRUCTURE NO. 044-0062