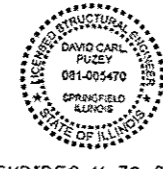
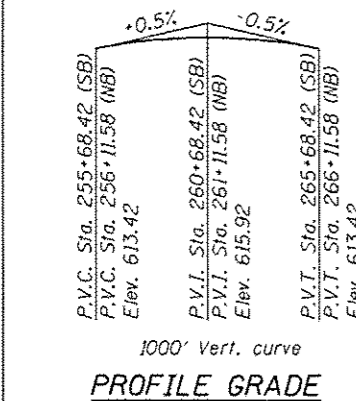
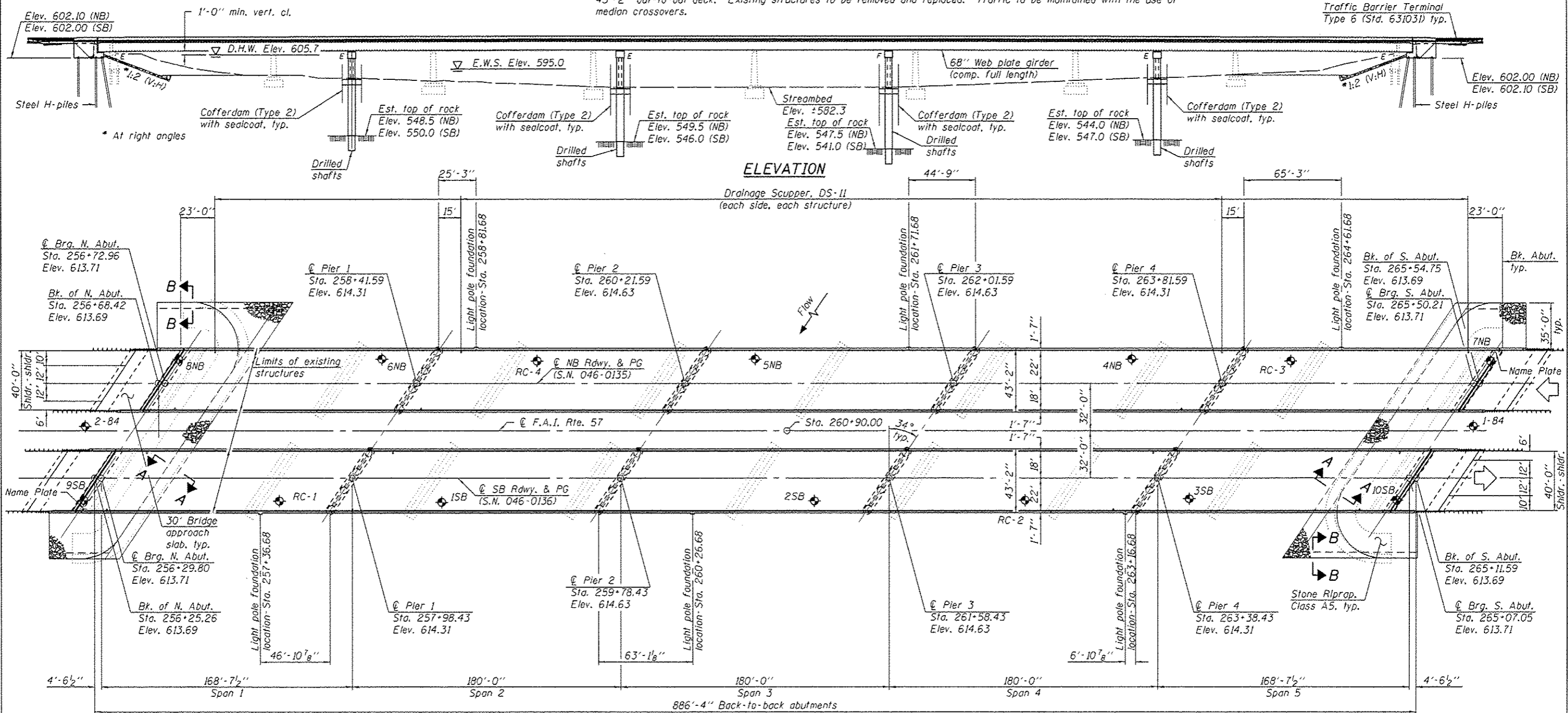


Bench Mark: Chiseled square on top of NW wingwall S.N. 046-0003, 2.25' from end of wingwall Sta. 256+50. 12' L.I. B.M. #101. Elev.=613.74

Existing Structure: S.N. 046-0003 (NB) and 046-0004 (SB) built in 1953 as F.A. Route 26. Section 140 B.D.E.F&P at Station 260+90.00. Each structure consists of two units, four spans each, of reinforced concrete deck on continuous 60" web plate girders supported by spill thru abutments and solid wall piers with untreated wood piles. Bridge widening in 1987 with new girder line, concrete redecking, and girders made composite. 864'-7" back-to-back abutments, 43'-2" out-to-out deck. Existing structures to be removed and replaced. Traffic to be maintained with the use of median crossovers.

No salvage



Notes:
 See sheet 2 of 79 for Sections A-A & B-B.
 See Lighting Plans for lighting and electrical details.

LOADING HL-93

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

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications, 5th Edition, with 2010 Interims

PLAN

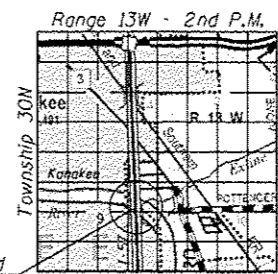
DESIGN STRESSES

FIELD UNITS

- f'c = 3,500 psi
- f'c = 4,000 psi (Drilled Shafts)
- f_y = 60,000 psi (Reinforcement)
- f_y = 50,000 psi (M270 Grade 50W - Structural Steel)
- f_y = 50,000 psi (M270 Grade 50 - Bearing Plates)

SEISMIC DATA

- Seismic Performance Zone (SPZ) = 1
- Design Spectral Acceleration at 1.0 sec. (S₁) = 0.074
- Design Spectral Acceleration at 0.2 sec. (S_{0.2}) = 0.126
- Soil Site Class = C



LOCATION SKETCH

GENERAL PLAN & ELEVATION
I-57 OVER KANKAKEE RIVER
PUBLIC WATERS
F.A.I. ROUTE 57 - SEC. (140)BR&BR-1
KANKAKEE COUNTY
STATION 260+90.00
STRUCTURE NO. 046-0135 (NB)
STRUCTURE NO. 046-0136 (SB)

DESIGNED - D.H. Richter / J.T. Belue	EXAMINED - <i>Jayme F. [Signature]</i>	DATE - OCTOBER 4, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. RTE. 57	SECTION (140)BR&BR-1	COUNTY KANKAKEE	TOTAL SHEETS 183	SHEET NO. 41
CHECKED - J.T. Belue / O.H. Richter	PASSED - <i>[Signature]</i>	REVISED -		SHEET NO. 1 OF 79 SHEETS	ILLINOIS FED. AID PROJECT			
DRAWN - MICHAEL B. MOSSMAN		REVISED -						
CHECKED - J.T. BELUE / D.H. Richter		REVISED -						