

Benchmark: Square cut in N.W. corner of Traffic Control Box north of Joliet Road 20' ± east of the IL 171 Bridge - El. 611.99

Existing Structure:

The structure is a six simple span, composite multi-beam bridge with a 7½ inch reinforced concrete deck. The original structure was built in 1964. In 1994, the approach slab, deck, parapets, and joints were replaced, one fascia beam was added to the west with added sloped wall, piers and abutments were widened, steel painted, fixed and expansion bearings were replaced, and substructure was repaired. In 1998, substructure concrete was repaired.

A crossover shall be utilized to maintain traffic during construction.

No salvage.

DESIGN SPECIFICATIONS

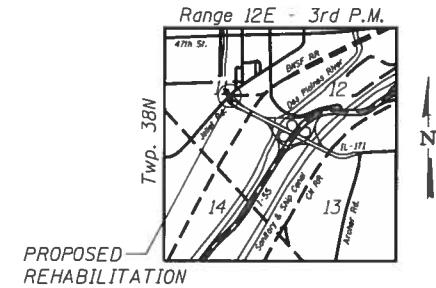
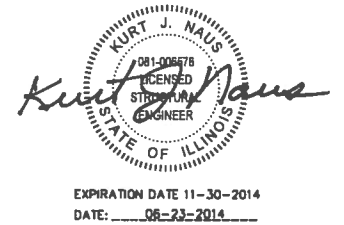
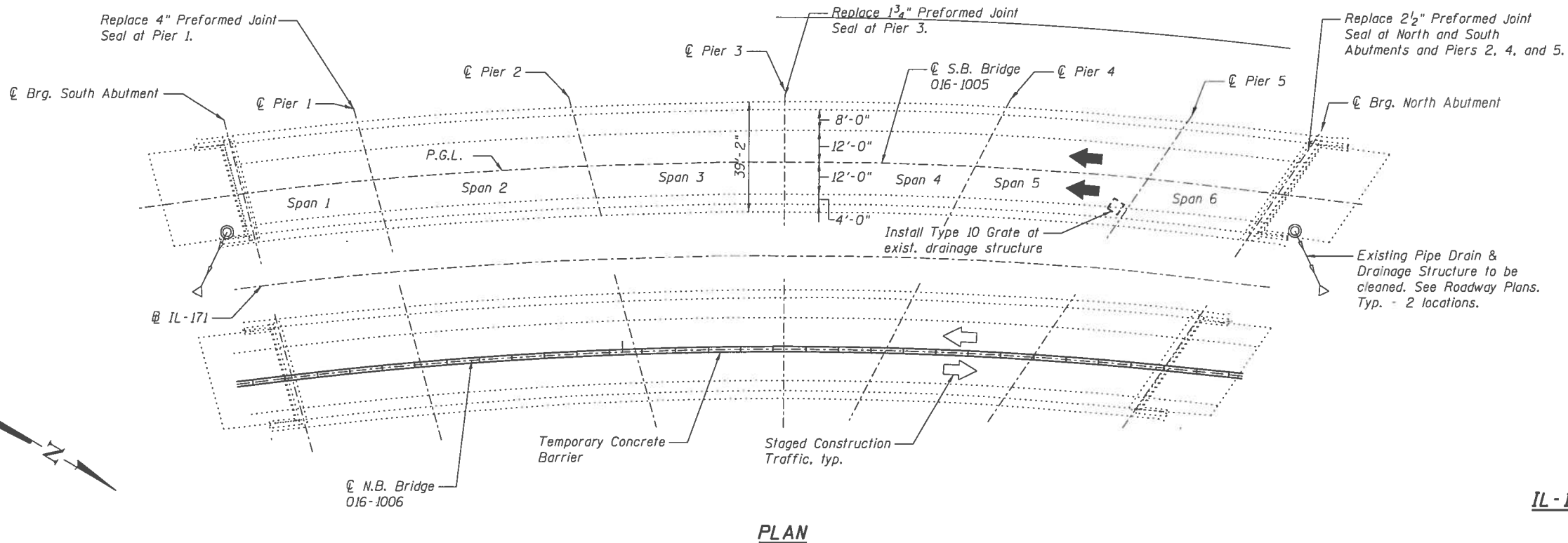
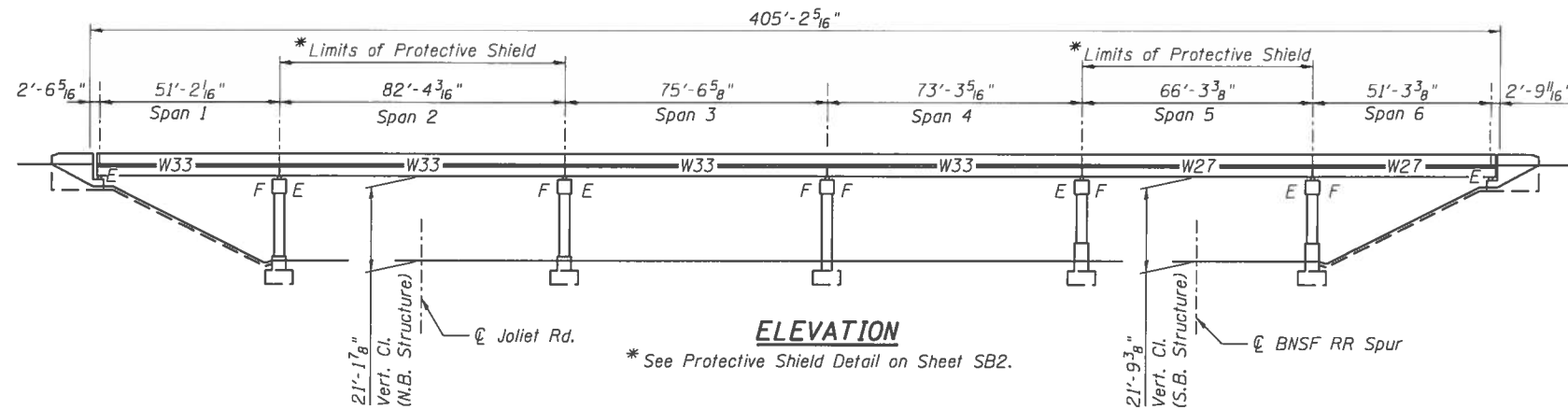
2002 AASHTO Standard Specifications for highway Bridges, 17th Edition

DESIGN STRESSES

f'c = 3,500 psi
 fy = 60,000 psi (reinforcement)
 fy = 36,000 psi (structural steel)

SCOPE OF WORK

1. Repair abutments and piers with epoxy crack sealing.
2. Structural concrete repair of abutments and piers.
3. Replace all preformed joint seals.
4. Vegetation removal.
5. Install grate at existing drainage structure located near southeast end of Pier 5.
6. Clean existing deck floor drains.
7. Clean and seal bridge deck, approach slabs and parapets.
8. Tighten loose nuts of the anchor bolts on west fascia bearing on north side of Pier 1.
9. Remove abandoned conduit attached to girder.



**GENERAL PLAN AND ELEVATION
 IL-171 OVER JOLIET ROAD & BNSF RR SPUR
 FAP 372 - SECTION 2013-038B-R
 COOK COUNTY
 STATION 77+49.49
 STRUCTURE NO. 016-1005 (SB)**

benesch
 engineers · scientists · planners

Alfred Benesch & Company
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450 Job No. 10093

FILE NAME =	USER NAME = tjanicke	DESIGNED - CMK	REVISED -
016-1005-60J16-001-gpe.dgn	PLDT SCALE =	CHECKED - JAW	REVISED -
	PLDT DATE = 6/23/2014	DRAWN - CMK	REVISED -
		CHECKED - JAW	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHEET NO. SB1 OF 586 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	314
CONTRACT NO. 60J16			ILLINOIS FED. AID PROJECT	

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