

Existing Structures:

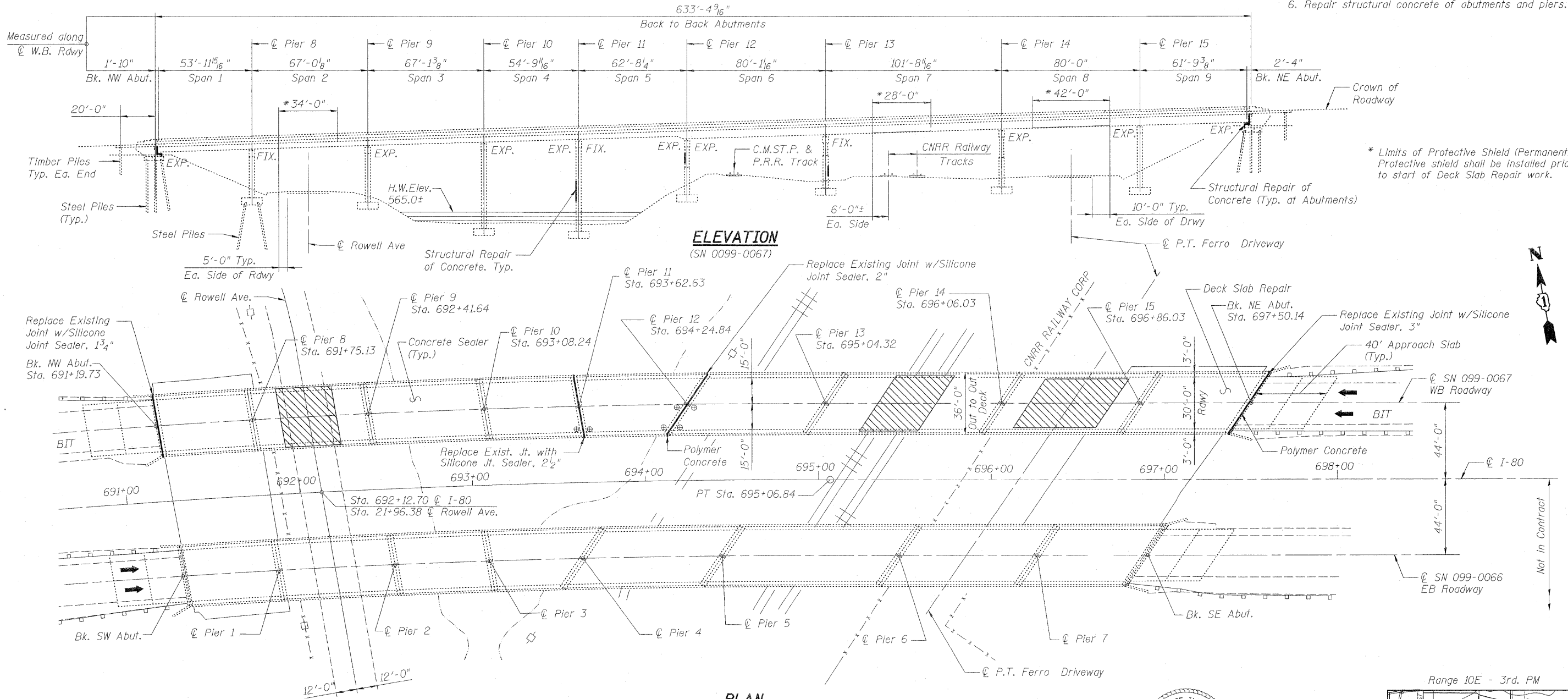
Dual bridges over CNRR and Rowell Avenue, SN 099-0066 carrying I-80 Eastbound and SN 099-0067 carrying I-80 Westbound, were originally constructed in 1962 as a part of F.A.I. 80 Project, I-IG-80-4(4)135, Section 99-4-IVB. The EB and WB superstructures consist of 8 and 9 continuous span steel multi-girder units supported on concrete abutments and piers, respectively. The existing bridge decks consist of 6 1/4" reinforced concrete composite slab with 2 3/4" latex concrete overlay. The transverse deck joints are either PJS type with vertical armor plates or neoprene type expansion joints. In 1998 repairs were made to decks, abutments, piers, slopewalls, deck joints, and drainage system. In addition, the expansion bearings were replaced and the latex concrete overlay, and steel bridge rails were constructed.

Traffic shall be maintained utilizing stage construction.

No salvage.

SCOPE OF WORK:

1. Install protective shield.
2. Partial depth deck slab repair.
3. Seal concrete bridge deck.
4. Remove and replace deck joints with silicone joint sealer.
5. Install temporary beam shoring.
6. Repair structural concrete of abutments and piers.



* Limits of Protective Shield (Permanent). Protective shield shall be installed prior to start of Deck Slab Repair work.

INDEX OF SHEETS

- S1. General Plan and Elevation
- S2. Construction Staging, Notes, and Total Bill of Material
- S3. Deck and Expansion Joint Repairs
- S4. Abutment and Pier Repairs
- S5. Pier 11 Repairs
- S6. Pier 12 Repairs
- S7. Permanent Protective Shield
- S8. Temporary Concrete Barrier for Stage Construction

DESIGN SPECIFICATIONS

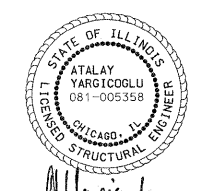
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

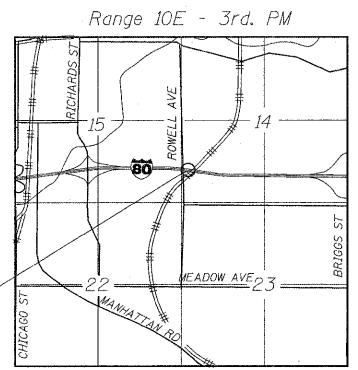
FIELD UNITS:
f'c = 3,500 psi
fy = 60,000 psi

LEGEND

- ⊕ Temporary Shoring and Cribbing
- ▨ Protective Shield (Permanent)



SIGNED: [Signature]
DATE: 02/08/2011
EXP: 11/30/2012
SHEETS: S1 THRU S8



USER NAME = agergicoglu@rdwy-11a1e	DESIGNED - A.Y./L.C.	REVISED -	HBP Illinois Partners	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION WESTBOUND I-80 OVER CNRR AND ROWELL AVENUE SN 099-0067			F.A.I. RTE. 80	SECTION 99 (4&4-1) RS-3	COUNTY WILL	TOTAL SHEETS 203	SHEET NO. 180
PLOT CONFIG= PDF(-80_TopoGrey_Large).pl	DRAWN - L.C./A.Y.	REVISED -			SCALE: SHEET S1 of S8 STA. TO STA.			CONTRACT NO. 60M66				
PLOT SCALE = 1:130	CHECKED - A.Y./R.L.D.	REVISED -						FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
PLOT DATE = 2/8/2011	DATE - 01/20/2011	REVISED -										

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