

**Existing Structures:**

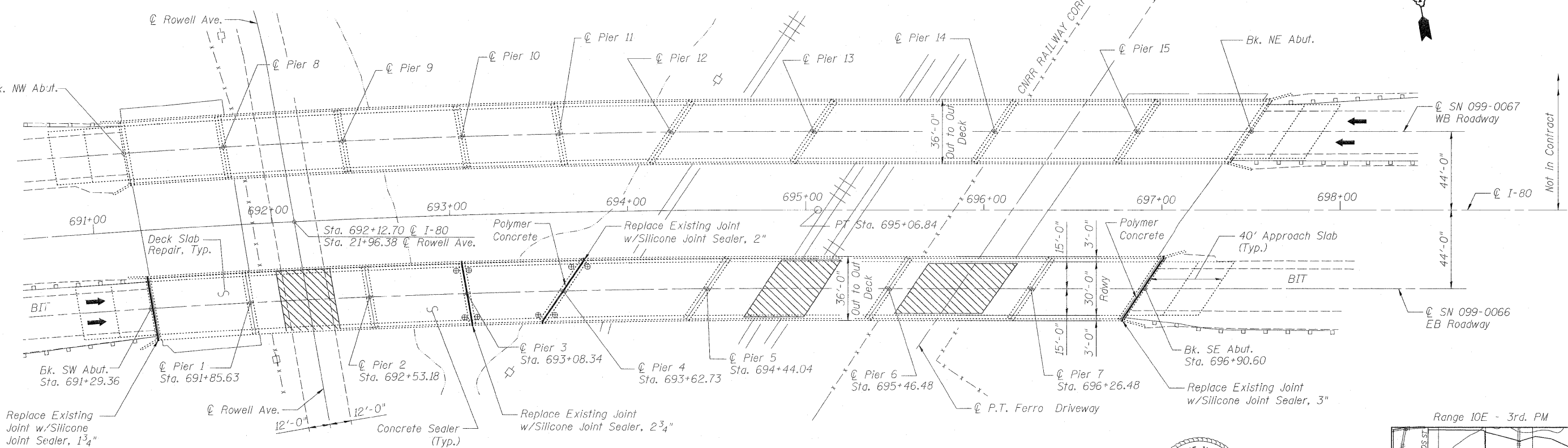
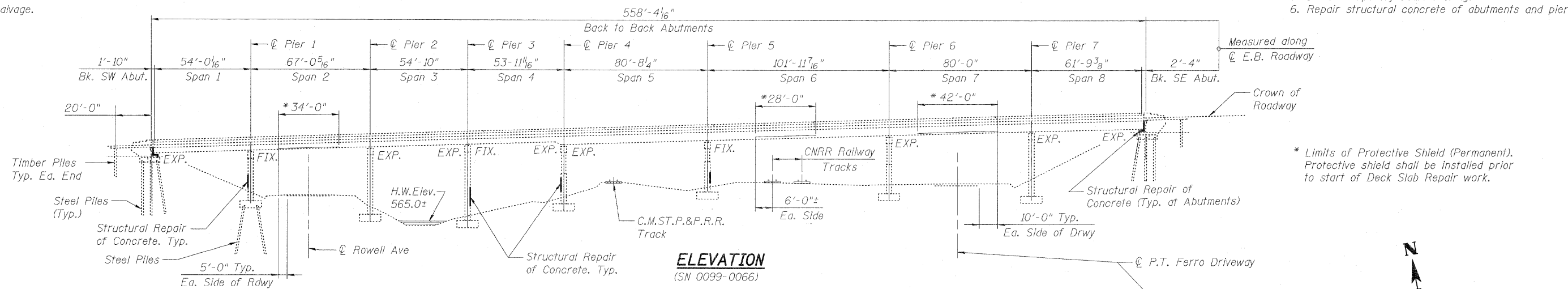
Dual bridges over CNRR and Rowell Avenue, SN 099-0066 carrying I-80 Eastbound and SN 099-0067 carrying I-80 Westbound, were originally constructed in 1962 as a part of F.A.I. 80 Project, I-IG-80-4(1)135, Section 99-4-IVB. The EB and WB superstructures consist of 8 and 9 continuous span steel multi-girder 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.



**ELEVATION**  
(SN 0099-0066)

**PLAN**

**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 3 Repairs
- S6. Pier 4 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**

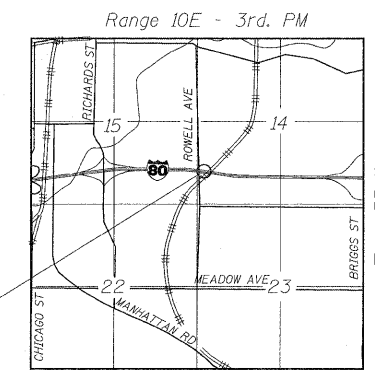
FIELD UNITS:  
f'c = 3,500 psi  
fy = 60,000 psi

**LEGEND**

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



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



**LOCATION SKETCH**

USER NAME = ayargicoglu(Rdwy_L1s1e)	DESIGNED - A.Y./L.C.	REVISED -	<b>HBP</b> Illinois Partners	<b>STATE OF ILLINOIS</b> DEPARTMENT OF TRANSPORTATION	<b>GENERAL PLAN AND ELEVATION</b> <b>EASTBOUND I-80 OVER CNRR AND ROWELL AVENUE</b> <b>SN 099-0066</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT CONFIG = PDF(I-80_TopoGrey_Large).pl	DRAWN - L.C./A.Y.	REVISED -			80	99 (2&3) RS-3	WILL	200	177		
PLOT SCALE = 1:30	CHECKED - A.Y./R.L.D.	REVISED -			CONTRACT NO. 60M64						
PLOT DATE = 2/8/2011	DATE - 01/21/2011	REVISED -			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT						
SCALE: SHEET S1 of S8 STA. TO STA.											