

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The structure is a five-span continuous non-composite wide flange steel structure with a 7.5-inch reinforced concrete deck with no overlay.
The original structure was built in 1952 as FAI-90 and is in Section 1984-082-R.
In 1985, the bridge was widened and redecked, expansion joints were reconstructed, and the superstructure was cleaned and painted. In 1998, the expansion joints were reconstructed, the deck and approach slabs were repaired, and the substructure was repaired.

Stage construction shall be utilized to maintain traffic during construction.

No salvage.

DESIGN SPECIFICATIONS

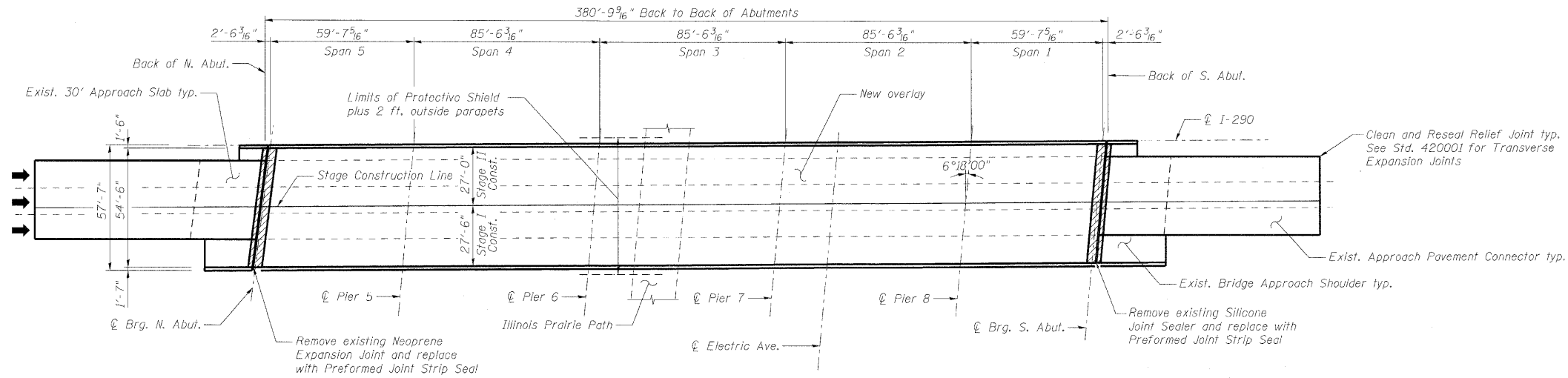
2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

DESIGN STRESSES

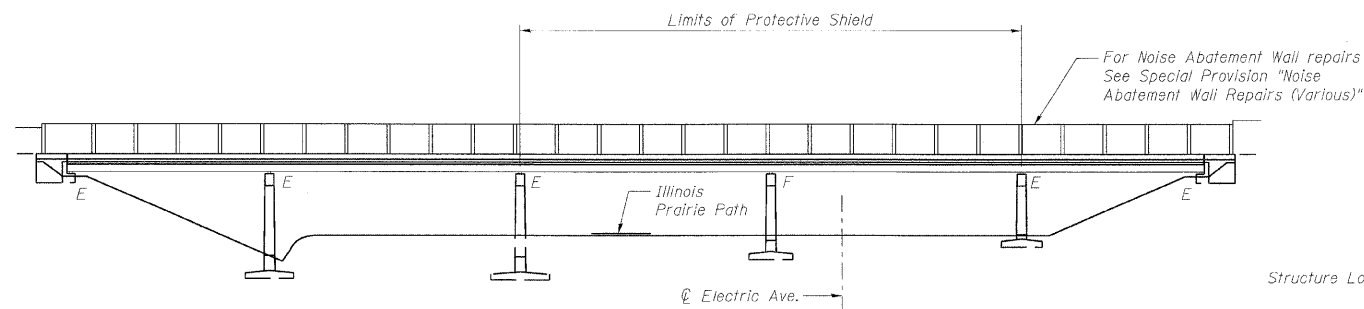
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi

SCOPE OF WORK

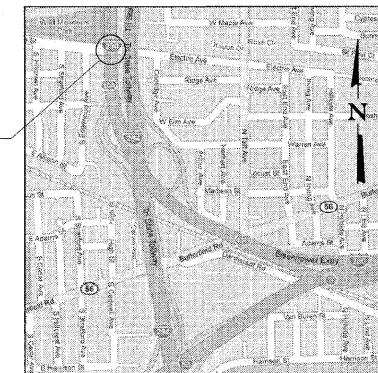
1. Bridge Deck Hydro-scarification.
2. Repair bridge deck.
3. Repair approach slab.
4. Reconstruct deck joints at each abutment with preformed joint strip seal.
5. Place new overlay.
6. Repair parapet with formed concrete repair.
7. Clean and reseal relief joints at the end of approach pavement connectors.
8. Apply concrete sealer to parapets, and abutment seats and backwalls.



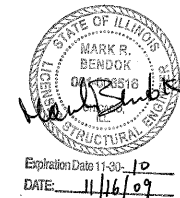
PLAN



ELEVATION



LOCATION SKETCH



**GENERAL PLAN AND ELEVATION
I-290 EB OVER ELECTRIC AVE.
AND PRAIRIE PATH
COOK COUNTY
STATION 439+80
STRUCTURE NO. 016-1134**

DESIGNED	TJJ
CHECKED	AAY
DRAWN	RMG
CHECKED	AAY

benesch

alfred benesch & company
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205 North Michigan Avenue, Suite 2400
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312-565-0450 Job No. 10050

SHEET NO. 1 8 SHEETS	F.A.I. RTE. 290	SECTION 2009-099 BR	COUNTY COOK/DUPAGE	TOTAL SHEETS 309	SHEET NO. 157
	CONTRACT NO. 60I57			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	