

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The structure is a nine-span continuous, composite plate girder structure with an 8 1/2-inch cast-in-place concrete deck and a 2-inch concrete overlay. The original structure was built in 1970 as FAI Route 90, Sections 22-IHB-5 & 22-IHB-8. In 1988, the bridge was widened, patched and overlaid, the approach slabs were patched, and the expansion joints were reconstructed. In 1998, the deck and the approach slabs were repaired.

Stage construction shall be utilized to maintain traffic during construction.

No salvage

DESIGN SPECIFICATIONS

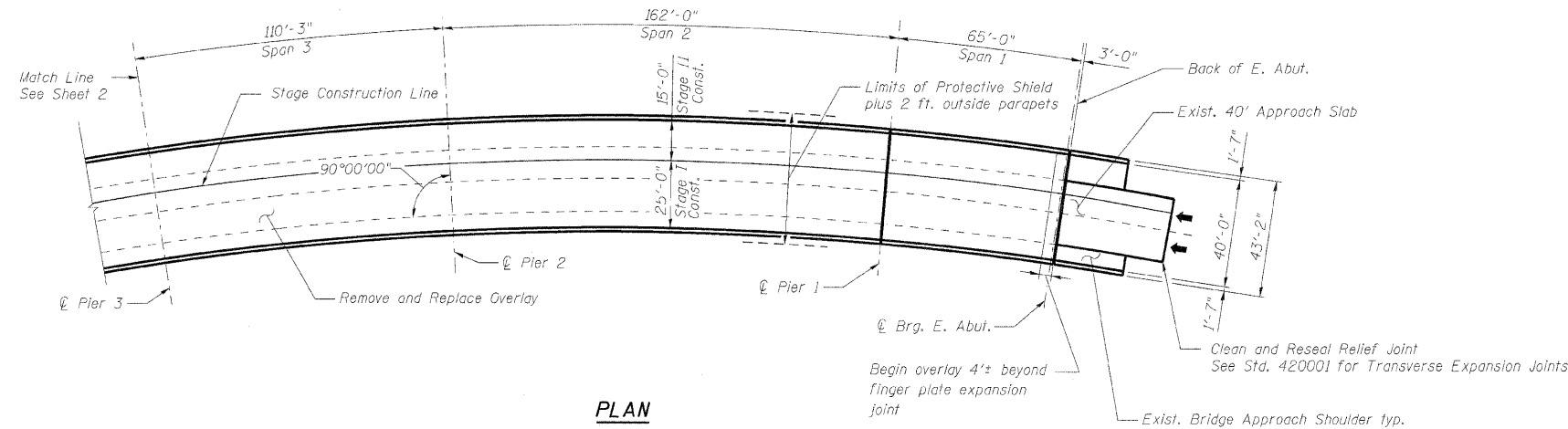
2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

DESIGN STRESSES

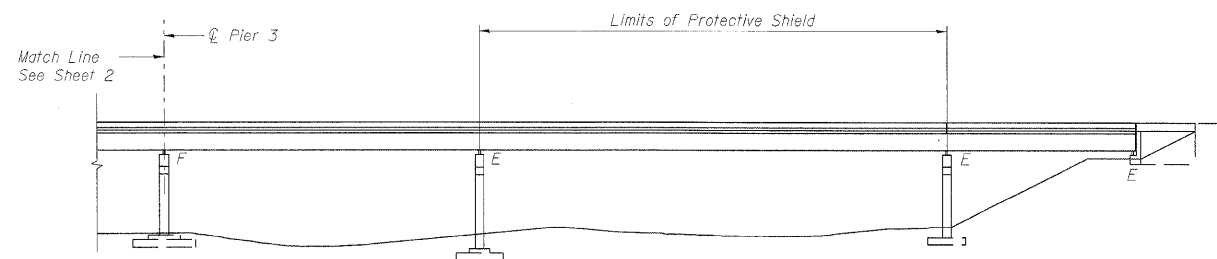
$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

SCOPE OF WORK

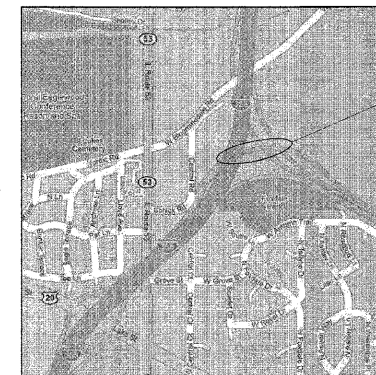
1. Bridge Deck Hydro-scarification.
2. Repair bridge deck.
3. Repair approach slab.
4. Replace preformed joint seal with silicone joint seal at Piers 1 and 8.
5. Place new overlay.
6. Clean and reseal relief joints at the end of approach slabs.
7. Clean trough under fingerplate expansion joint at both abutments and Pier 5.
8. Apply concrete sealer to top inside face of parapets and abutment wingwalls, approach slabs, tops of Piers 1 and 8, abutment seats and abutment backwalls.



PLAN



ELEVATION



LOCATION SKETCH



Expiration Date 11-30-10
DATE: 4/16/09

**GENERAL PLAN AND ELEVATION
1 OF 3
I-290 WB OVER I-290 EB & I-355
DuPAGE COUNTY
STATION 24+17
STRUCTURE NO. 022-0094**

DESIGNED	-	TJJ
CHECKED	-	AAV
DRAWN	-	RMG
CHECKED	-	AAV

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 1 8 SHEETS	F.A.I. RTE. 290	SECTION 22(1, 1-1, 2&3)RS-7	COUNTY DUPAGE	TOTAL SHEETS 546	SHEET NO. 358
	CONTRACT NO. 60G51			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	