

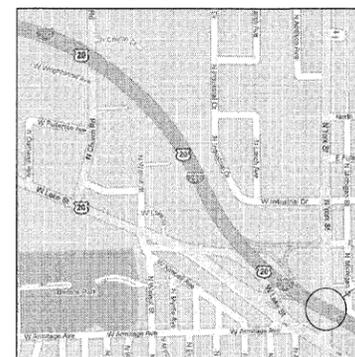
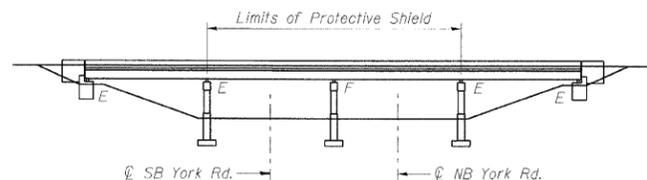
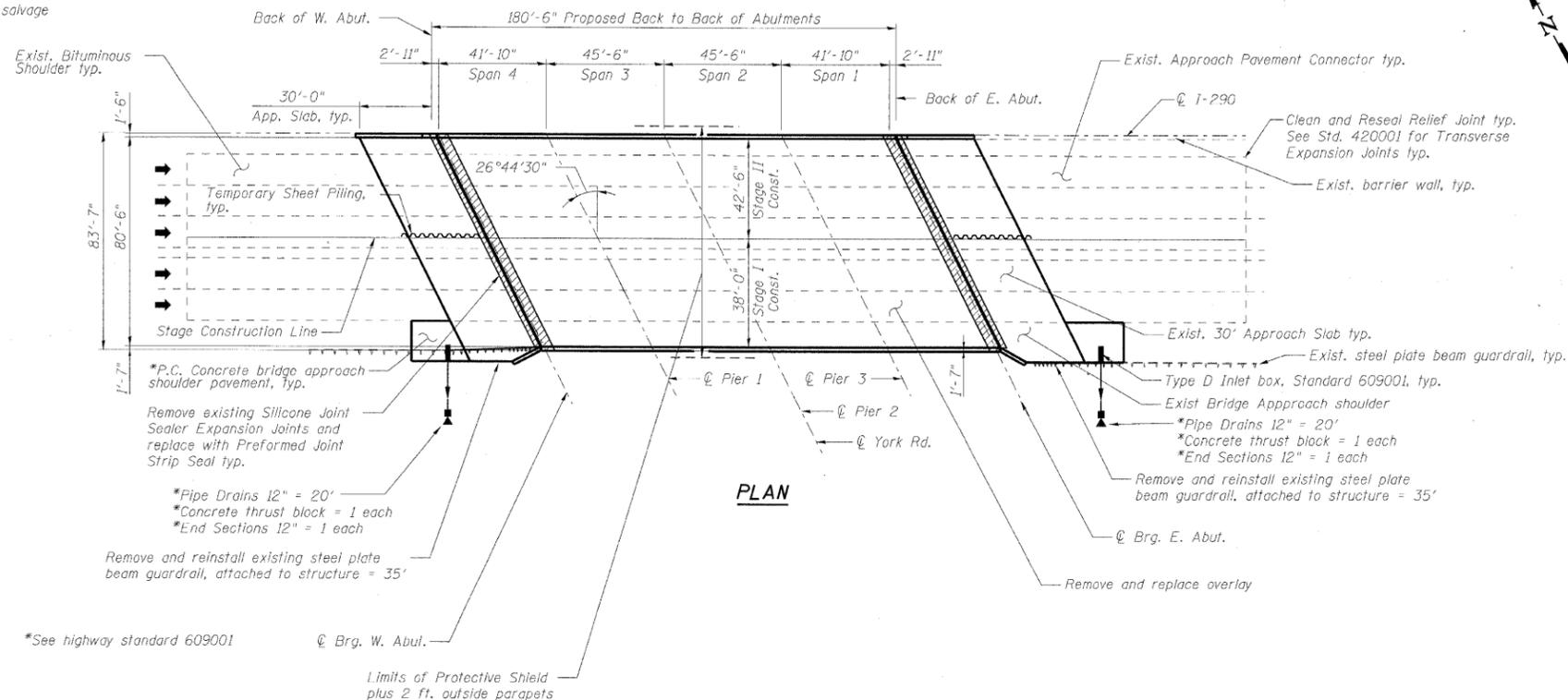
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Existing Structure:**  
The structure is a four-span continuous, non-composite plate girder bridge with a 1-inch reinforced concrete deck and a 2-inch concrete overlay. The original structure was built in 1962. In 1985, the structure was widened, patched and overlaid; the approaches were reconstructed; the abutment bearings were replaced; and the expansion joints were reconstructed. In 1998, diaphragms were replaced at the abutments, the expansion joints were reconstructed, and patching was performed on the approaches and abutments. In 2002, the bridge was painted.

**Bench Mark:**  
Chiseled square on top of west headwall of 24" concrete culvert, El. 671.53.

Stage construction shall be utilized to maintain traffic during construction.

No salvage



LOCATION SKETCH

**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. Remove bridge approach slabs.
2. Bridge Deck Hydro-scarification.
3. Jack and reposition bearings.
4. Reconstruct deck joints at each abutment with preformed joint strip seal.
5. Repair substructure & reconstruct abutment backwalls.
6. Place new overlay.
7. Stabilize abutments.
8. Replace bridge approach slabs.
9. Repair parapet with formed concrete repair.
10. Clean and reseal relief joints at the end of approach pavement connectors.
11. Apply concrete sealer.
12. Apply protective coat.



**GENERAL PLAN AND ELEVATION**  
**I-290 EB OVER YORK ROAD**  
**DUPAGE COUNTY**  
**STATION 298+64**  
**STRUCTURE NO. 022-0005**

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG/KH
CHECKED -	KWS

**benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-665-0460 Job No. 10060

SHEET NO. 1 25 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	2009-099 BR	COOK/DUPAGE	309	245
			CONTRACT NO. 60157		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			