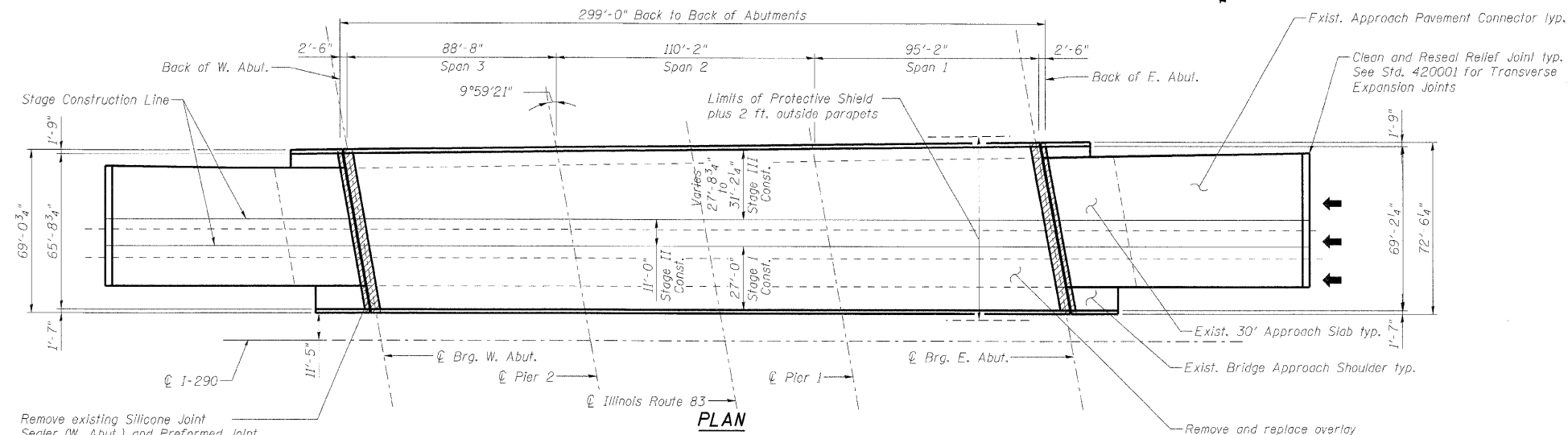


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Existing Structure:**  
The bridge is a three-span continuous, composite plate girder bridge with a 7 $\frac{3}{4}$ -inch reinforced concrete deck and a 2-inch concrete overlay.  
The original structure was built in 1971. In 1985, the structure was widened and overlaid, the expansion joints were reconstructed and the bearings were replaced. In 1998, the expansion joints were reconstructed and partial depth repairs were made on the approaches. In 2002, the bridge was cleaned and painted.

Stage construction shall be utilized to maintain traffic during construction.

No salvage



Remove existing Silicone Joint Sealer (W. Abut.) and Preformed Joint Seal (E. Abut.) Expansion Joints and replace with Preformed Joint Strip Seal typ.

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

**DESIGN STRESSES**

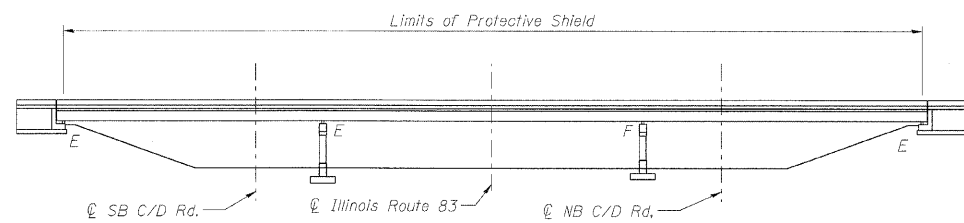
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi

**SCOPE OF WORK**

1. Structural Steel Repairs (see Note A).
2. Bridge Deck Hydro-scarification.
3. Repair bridge deck.
4. Repair approach slab.
5. Repair abutment backwalls.
6. Reconstruct deck joints at each abutment with preformed joint strip seal.
7. Place new overlay.
8. Clip beam flanges at abutment backwall.
9. Clean and reseal relief joints at the end of approach pavement connectors.
10. Apply concrete sealer to parapets, approach slabs, abutment seats and backwalls.

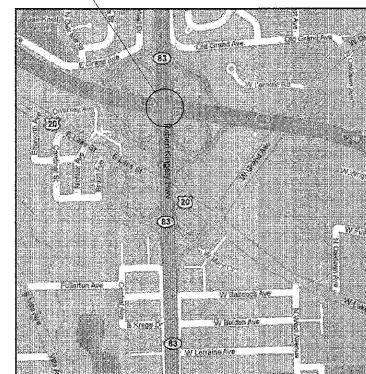
**Note A:**

See sheets 317A thru 317C for Structural Steel Repair Details.

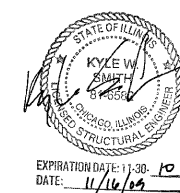


**ELEVATION**

Structure Location



**LOCATION SKETCH**



**GENERAL PLAN AND ELEVATION  
I-290 WB OVER ILLINOIS ROUTE 83  
DUPAGE COUNTY  
STATION 205+44  
STRUCTURE NO. 022-0097**

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

**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 9 SHEETS	F.A.I. RTE. 290	SECTION 22(1, 1-1, 2&3)RS-7	COUNTY DUPAGE	TOTAL SHEETS 546	SHEET NO. 300
	CONTRACT NO. 60G51			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	