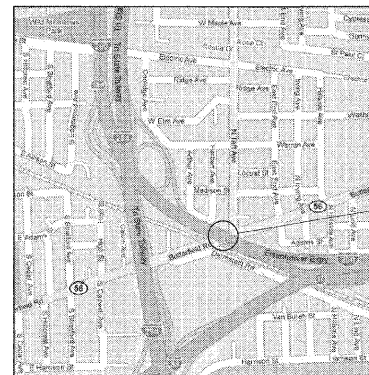
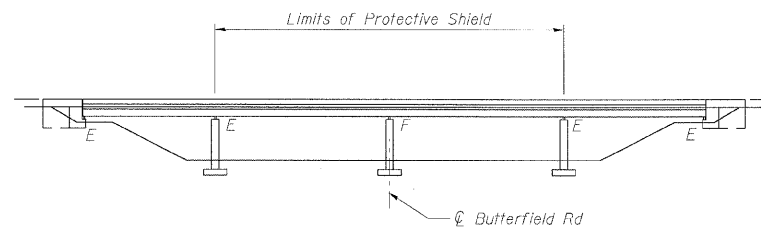
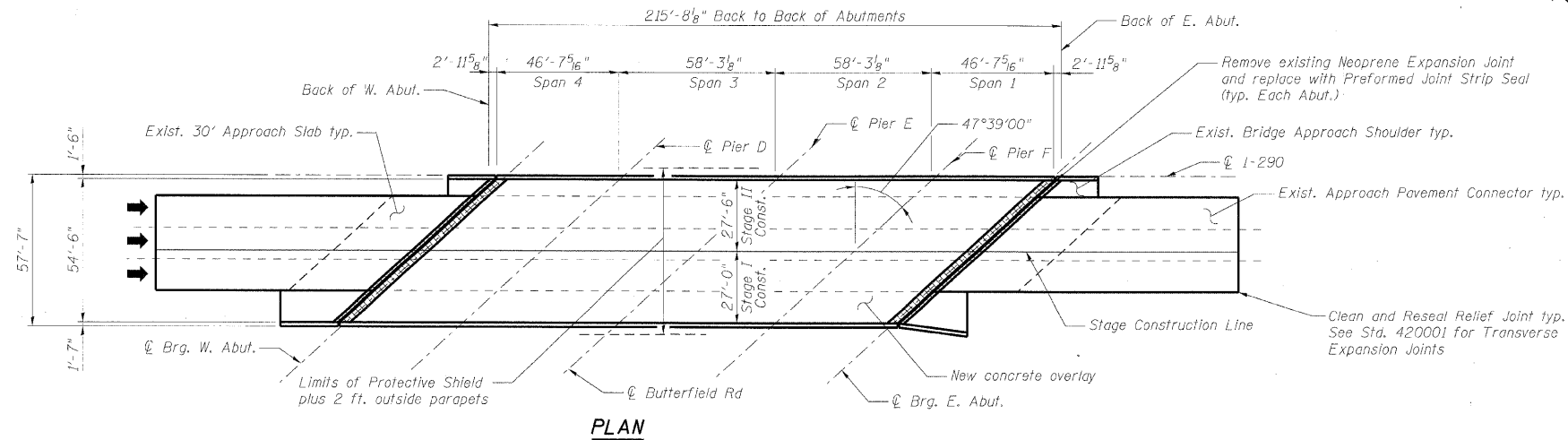


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Existing Structure:**  
The structure is a four-span continuous wide flange steel structure with a 7.5-inch reinforced concrete deck with no overlay.  
The original structure was built in 1959 as FAI-90 and is in Section 1997-0321.  
In 1985, the bridge was widened and redecked, expansion joints were reconstructed, the substructure was repaired, and the superstructure was cleaned and painted. In 1998, the expansion joints were reconstructed and the deck and approach slabs were repaired.

Stage construction shall be utilized to maintain traffic during construction.

No salvage.



LOCATION SKETCH

**DESIGN SPECIFICATIONS**

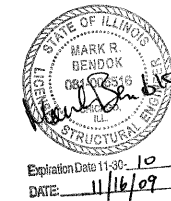
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

**DESIGN STRESSES**

f'c = 3,500 psi  
fy = 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. Repair substructure.
8. Clean and reseal relief joints at the end of approach pavement connectors.
9. Apply concrete sealer to parapets, and abutment seals and backwalls.



GENERAL PLAN AND ELEVATION  
I-290 EB OVER BUTTERFIELD RD.  
COOK COUNTY  
STATION 477+46  
STRUCTURE NO. 016-0084

DESIGNED -	TJJ
CHECKED -	AAY
DRAWN -	RMG
CHECKED -	AAY

**benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
206 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 2009-099 BR	COUNTY COOK/DUPAGE	TOTAL SHEETS 309	SHEET NO. 140
	CONTRACT NO. 60157				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			