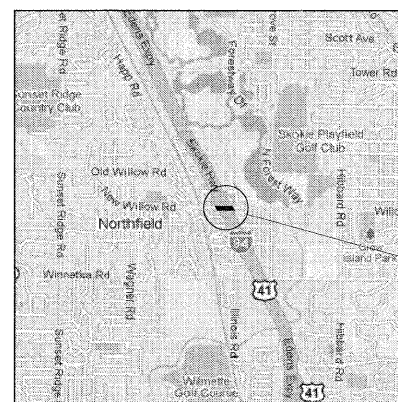
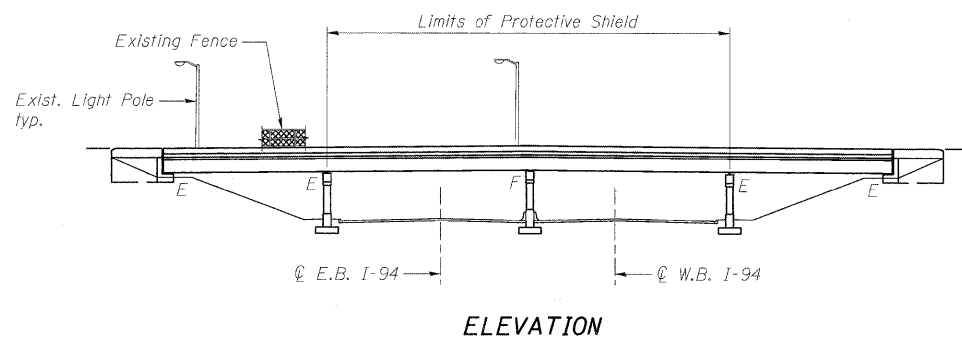
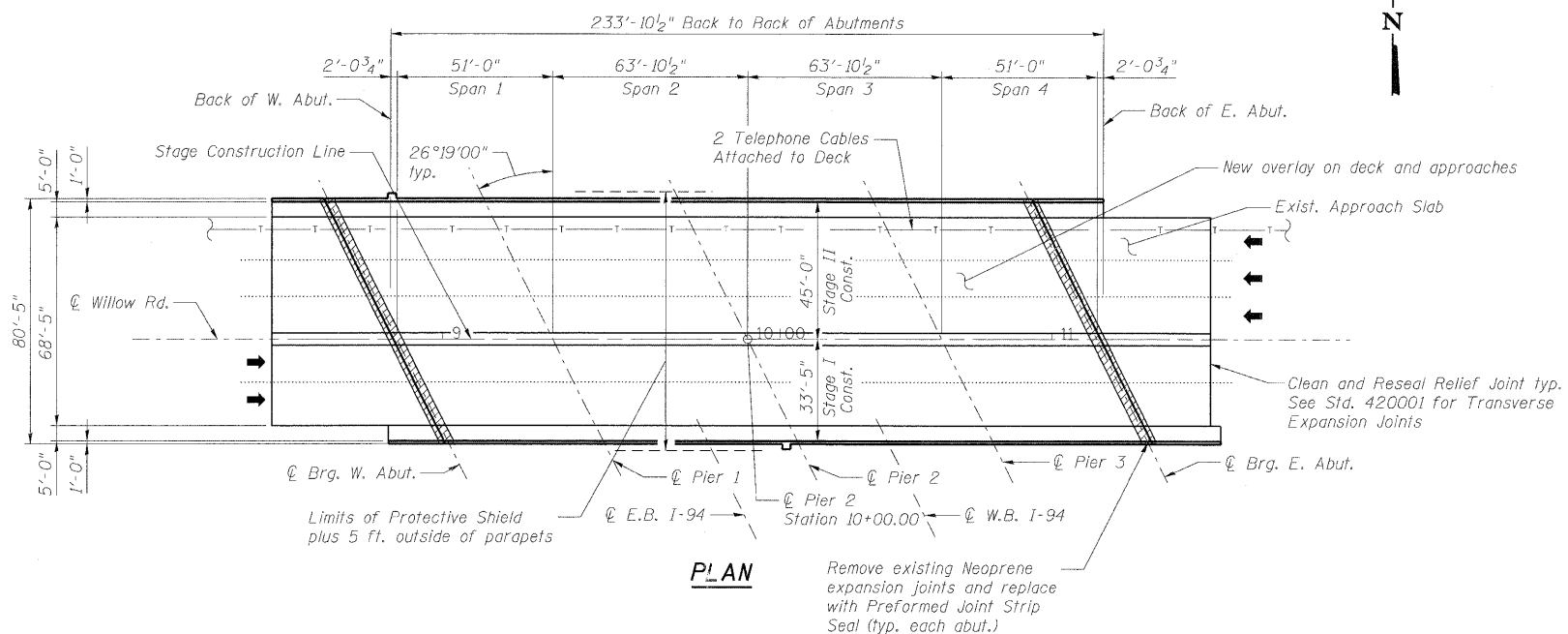


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Existing Structure:**  
The bridge is a four-span continuous, non-composite wide flange beam bridge with a 7 1/2" reinforced concrete deck. The original structure was built in 1949. In 1991, the structure was widened, the bridge deck was replaced, the abutment bearings were replaced, and structural repairs were made to the substructure.

Stage construction shall be utilized to maintain traffic during construction.

No salvage.



LOCATION SKETCH

**DESIGN SPECIFICATIONS**

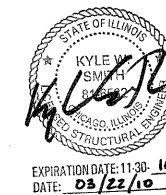
2002 AASHTO Standard Specifications  
for Highway Bridges, 17th Edition

**DESIGN STRESSES**

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

**SCOPE OF WORK**

1. Bridge deck hydro-scarification.
2. Repair bridge deck.
3. Repair approach slabs.
4. Reconstruct deck joints at each abutment with preformed joint strip seal.
5. Pour new overlay on deck and approaches.
6. Remove bearings at Piers 1 and 3 and replace with elastomeric bearings.
7. Repair substructure.
8. Clean and reseal relief joints at the end of approach slabs.
9. Apply protective coat to parapets, approach slabs, and deck.
10. Apply concrete sealer to substructure.



**GENERAL PLAN AND ELEVATION  
WILLOW ROAD OVER I-94  
COOK COUNTY  
STATION 10+00  
STRUCTURE NO. 016-0536**

DESIGNED	JLS
CHECKED	KWS
DRAWN	RMG
CHECKED	KWS

**benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-965-0450 Job No. 10032.13

SHEET NO. 1 17 SHEETS	F.A.I. RTE. 94	SECTION 1010.1-1-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 13
	CONTRACT NO. 60J30			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	