

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Existing Structure:**  
The structure is a three-span continuous, composite plate girder structure with an 8-inch cast-in-place concrete deck and a 2-inch concrete overlay.  
The original structure was built in 1971 as FAI-290 and is in Section 1984-079-BW.  
In 1986, 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 and the expansion joints were reconstructed.

Stage construction shall be utilized to maintain traffic during construction.

No salvage

**DESIGN SPECIFICATIONS**

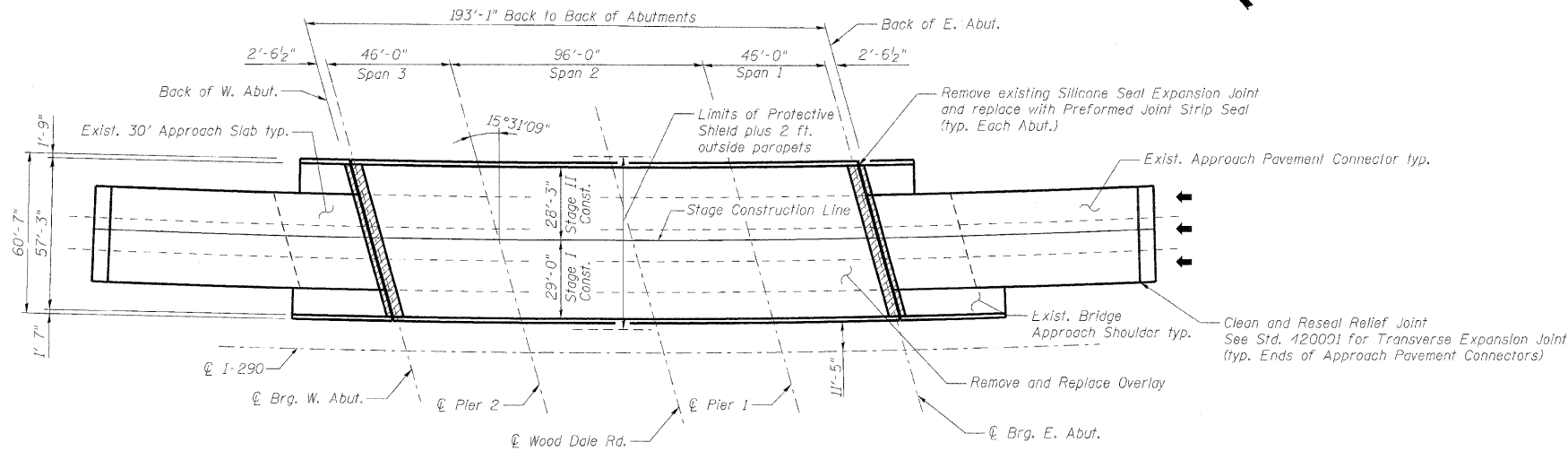
2002 AASHTO Standard Specifications  
for Highway Bridges, 17th Edition

**DESIGN STRESSES**

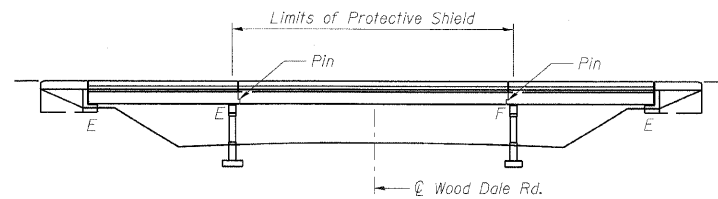
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi

**SCOPE OF WORK**

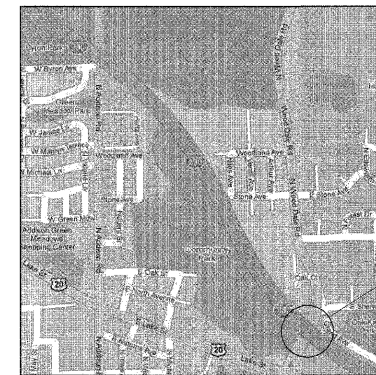
1. Bridge Deck Hydro-scarification.
2. Repair bridge deck.
3. Repair approach slab.
4. Reconstruct deck joints at each abutment with preformed joint strip seal.
5. Place new overlay.
6. Replace pin at pin connection.
7. Repair substructure.
8. Clean and paint exposed rebar under deck.
9. Repair slope wall.
10. Clean and reseal relief joints at the end of approach pavement connectors.
11. Apply concrete sealer to parapets, approach slabs, abutment seats and backwalls.



**PLAN**



**ELEVATION**



**LOCATION SKETCH**



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

**GENERAL PLAN AND ELEVATION  
I-290 WB OVER WOOD DALE ROAD  
DuPAGE COUNTY  
STATION 174+36  
STRUCTURE NO. 022-0100**

DESIGNED	JJJ
CHECKED	AAV
DRAWN	RMG
CHECKED	AAV

**benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-666-0450 Job No. 10050

SHEET NO. 1 12 SHEETS	F.A.I. RTE. 290 355	SECTION 221, 1-1, 2&3RS-7	COUNTY DUPAGE	TOTAL SHEETS 546	SHEET NO. 318
	CONTRACT NO. 60G51			ILLINOIS FED. AID PROJECT	