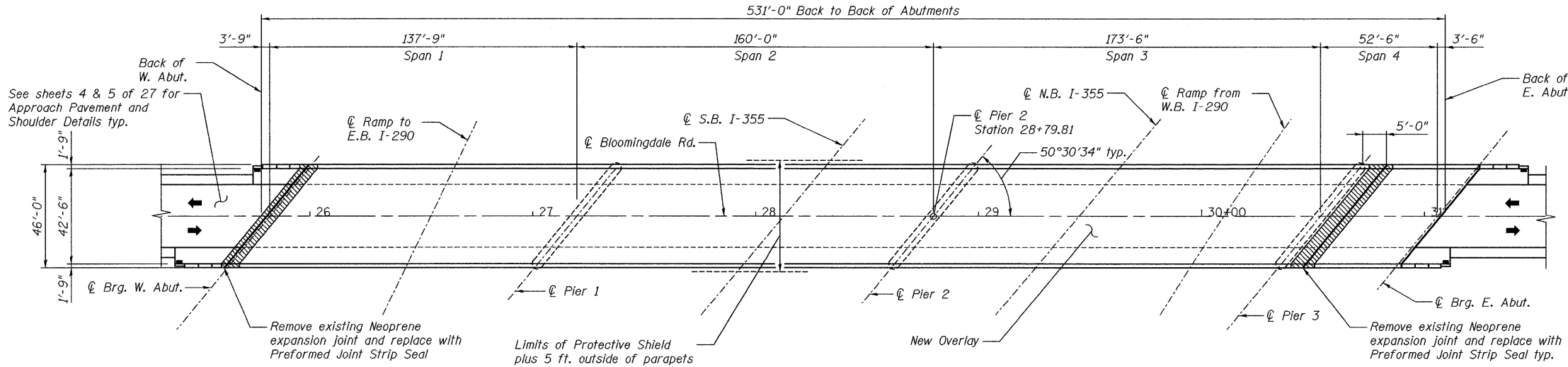


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The bridge is a four-span continuous, composite plate girder bridge with a pin and link connection in Span 4 and an 8-inch reinforced concrete deck with no overlay. The original structure was built in 1969. In 1996, the pin and link connection was replaced. In 2004, the structure was patched and the expansion joints were reconstructed to neoprene expansion joints.

A detour will be utilized to maintain traffic during construction.

No salvage.



PLAN

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

DESIGN STRESSES

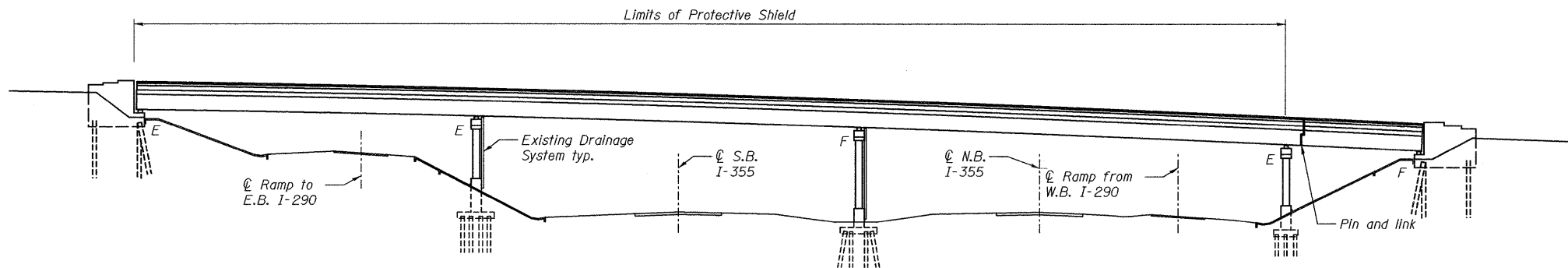
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

SCOPE OF WORK

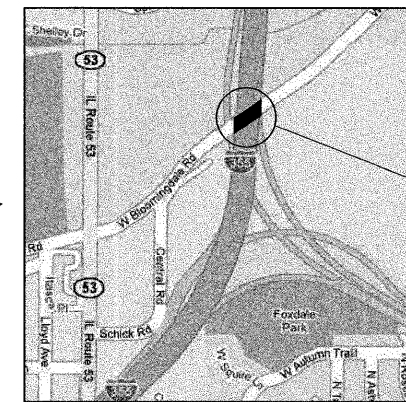
1. Bridge deck hydro-scarification.
2. Bridge deck patching.
3. Mill and resurface approach pavement and shoulders.
4. Reconstruct deck joints at West Abutment and at expansion joint near Pier 3 with preformed joint strip seals.
5. Eliminate alternating floor drains and add extensions to remaining floor drains.
6. Adjust drainage scuppers to elevation of new overlay.
7. Remove existing aluminum railing and construct parapet retrofit.
8. Place new microsilica concrete overlay on deck.
9. Remove bearings at West Abutment and Pier 3 and replace with elastomeric bearings.
10. Structural repair of concrete at Abutments and Pier 3.
11. Apply protective coat to parapets and deck.
12. Apply concrete sealer to West Abutment seat and backwall and Pier 3 seat.
13. Remove and reconstruct concrete paved ditches along the sides of each approach slab.



EXPIRATION DATE: 11-30-10
DATE: 04/09/2010



ELEVATION



LOCATION SKETCH

**GENERAL PLAN AND ELEVATION
BLOOMINGDALE ROAD OVER I-290
DUPAGE COUNTY
STATION 28+79.81
STRUCTURE NO. 022-0106**

DESIGNED -	JLS
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10032.13

SHEET NO. 1 19 SHEETS	F.A.I. RTE. 290	SECTION 2009-115I	COUNTY DUPAGE	TOTAL SHEETS 27	SHEET NO. 6
	CONTRACT NO. 60J34			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	