

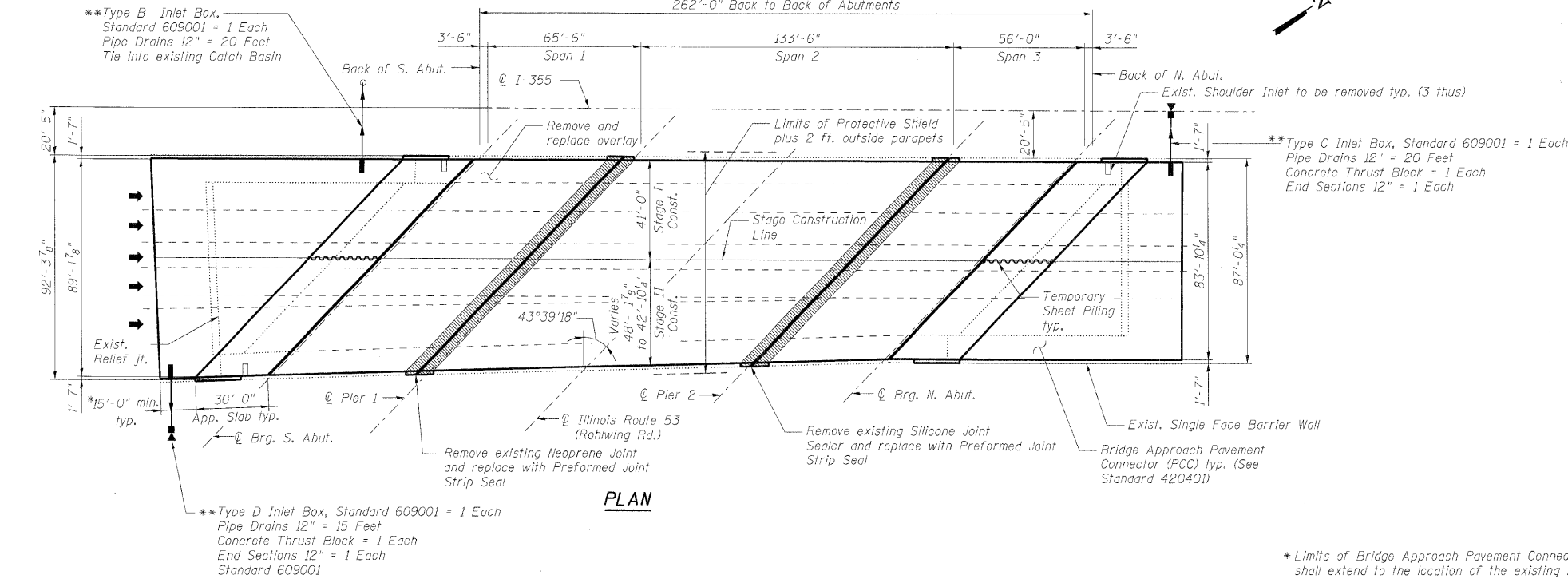
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The structure is a three-span composite plate girder bridge with pin and link hinged connections in Spans 1 and 3.
The original structure was built in 1970 as F.A.P. Route 61 Section 22-5HB-1 & 22-1HB-9. In 1984, the bridge was widened and overlaid and the expansion joints were reconstructed. In 1988, the expansion joint at the north pier was replaced. In 1995, the pin and link connections were replaced. In 1997, a portion of the overlay was replaced.

Bench Mark: Chiseled "□" on the South Wingwall of the West Abutment for the Northbound structure. E.L. 755.09

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

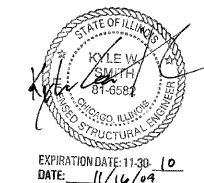
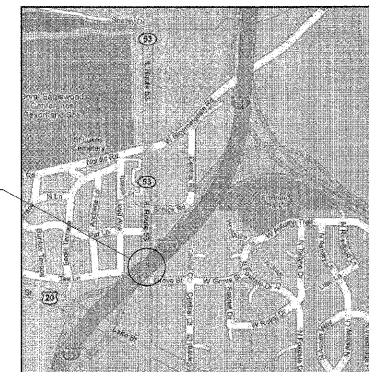
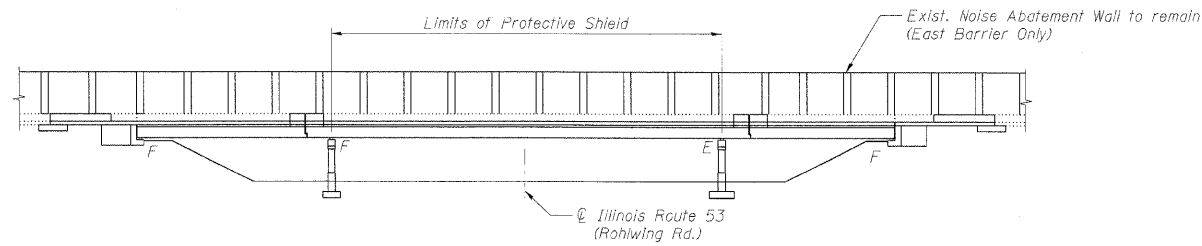
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi

SCOPE OF WORK

1. Remove bridge approach slabs.
2. Bridge Deck Hydro-scarification.
3. Repair bridge deck.
4. Reconstruct deck joints at each pier with preformed joint strip seal.
5. Place New Overlay.
6. Stabilize abutments.
7. Replace bridge approach slabs and approach pavement connectors.
8. Install inlets at approach shoulders.
9. Trim beam ends at pin and link connection.
10. Apply Protective Coat.

* Limits of Bridge Approach Pavement Connector (PCC) shall extend to the location of the existing relief joint, 6'-0" beyond the limits of the Proposed Bridge Approach Slab per Hwy. Std. 420401, or 15'-0" beyond the limits of the proposed Bridge Approach Slab per Hwy. Std. 609001 wherever shoulder inlets are proposed.

** Match existing shoulder elevations. Position the inlet box and pipe drain between existing barrier wall shafts at locations where the noise abatement wall is mounted on the barrier wall.



GENERAL PLAN AND ELEVATION
I-355 NB OVER ILLINOIS ROUTE 53
DUPAGE COUNTY
STATION 106+46
STRUCTURE NO. 022-0137

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 32 SHEETS	F.A.I. RTE. 290 355	SECTION 22(1, 1-1, 2&3)RS-7	COUNTY DUPAGE	TOTAL SHEETS 546	SHEET NO. 414
	CONTRACT NO. 60G51			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	