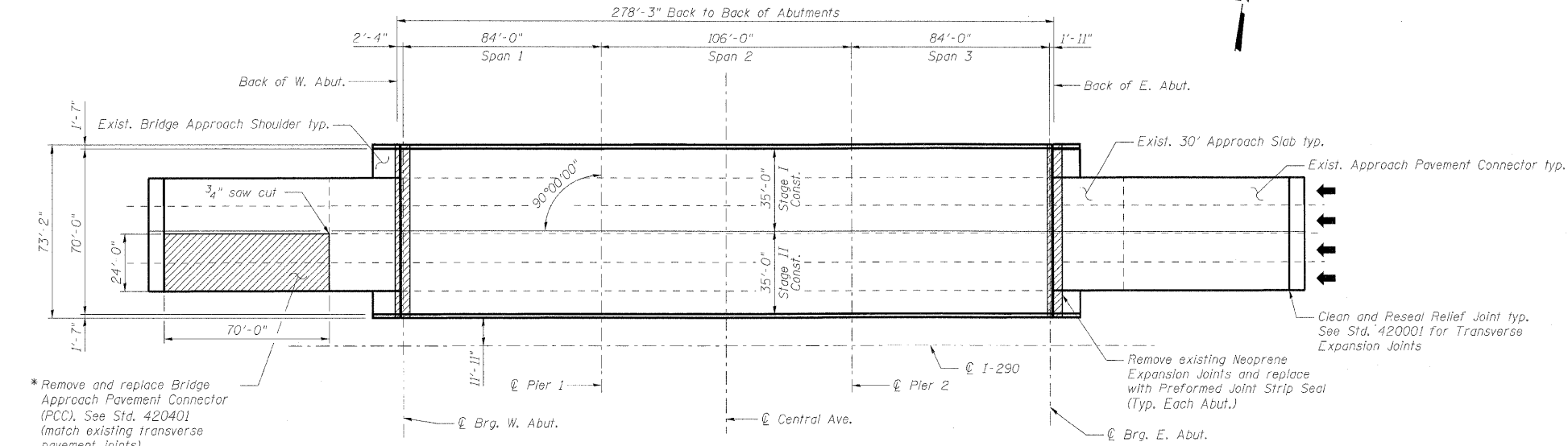


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The structure is a three-span continuous, composite plate girder structure with a 7-inch reinforced concrete deck and a 2-inch concrete overlay. The original structure was built in 1957 as FAI Route 1, Section 062-3031.2-MFT. In 1983, the bridge was widened, patched and overlaid and the approach slabs, backwalls and expansion joints were reconstructed. In 1998, the expansion joints were reconstructed and the approach slabs were repaired.

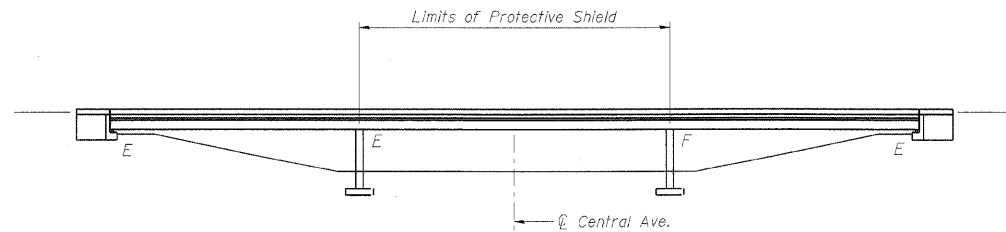
Stage construction shall be utilized to maintain traffic during construction.

No salvage.

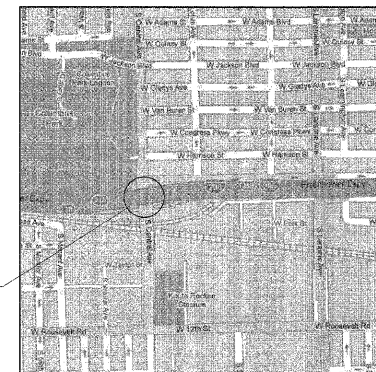


PLAN

*The existing reinforcement bars connecting the existing approach connector to the adjacent section of approach connector and to the 30' approach slab are to remain. Existing #5 tie bars are spaced at 2'-6" cts. along the longitudinal construction joint. The existing bottom longitudinal bars extending from the approach slab into the connector pavement are #5 bars at 12" cts. and extend 3'-0" into the connector pavement. The top bars are #4 bars at 7" cts. and can be cut off 3'-0" into the proposed connector pavement. Cost included in Bridge Approach Pavement Removal.



ELEVATION



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

SCOPE OF WORK

1. Repair bridge deck.
2. Repair approach slab.
3. Reconstruct deck joints at each abutment with preformed joint strip seal.
4. Replace inside two lanes of west bridge approach pavement connector.
5. Clean and reseal relief joints at the ends of approach pavement connectors.
6. Apply concrete sealer to bridge deck, parapets, approach slabs, abutment seats and backwalls.



**GENERAL PLAN AND ELEVATION
I-290 WB OVER CENTRAL AVENUE
COOK COUNTY
STATION 889+83
STRUCTURE NO. 016-0095**

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 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2727, ETC., 3131)RS-7	COOK	216	167
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 60G53			