

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The structure is a three-span continuous steel structure with a 7.5-inch reinforced concrete deck with no overlay. The original structure was built in 1958 and is in Section (100 & 100-1) R-84. In 1985, the bridge was widened and redecked, expansion joints were reconstructed, and the superstructure was cleaned and painted. In 1998, the expansion joints were reconstructed and approach slabs were repaired.

Stage construction shall be utilized to maintain traffic during construction.

No salvage.

DESIGN SPECIFICATIONS

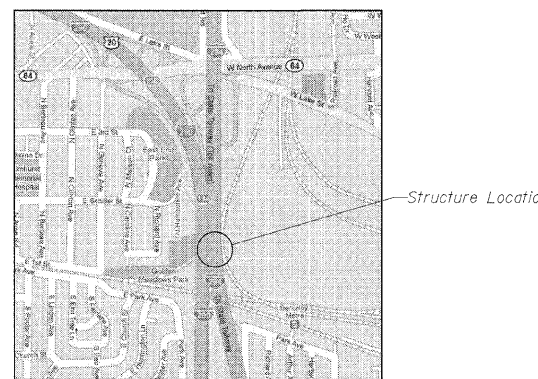
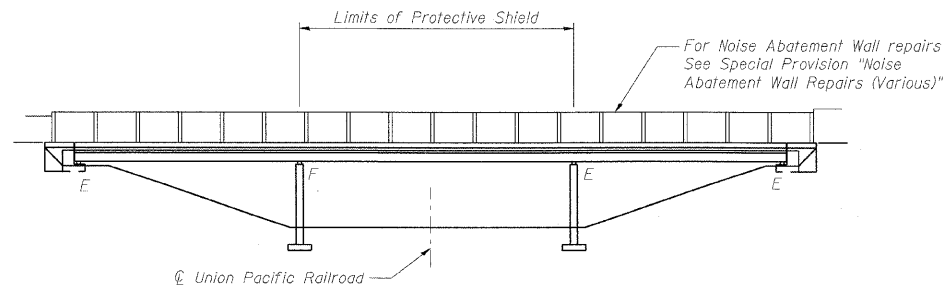
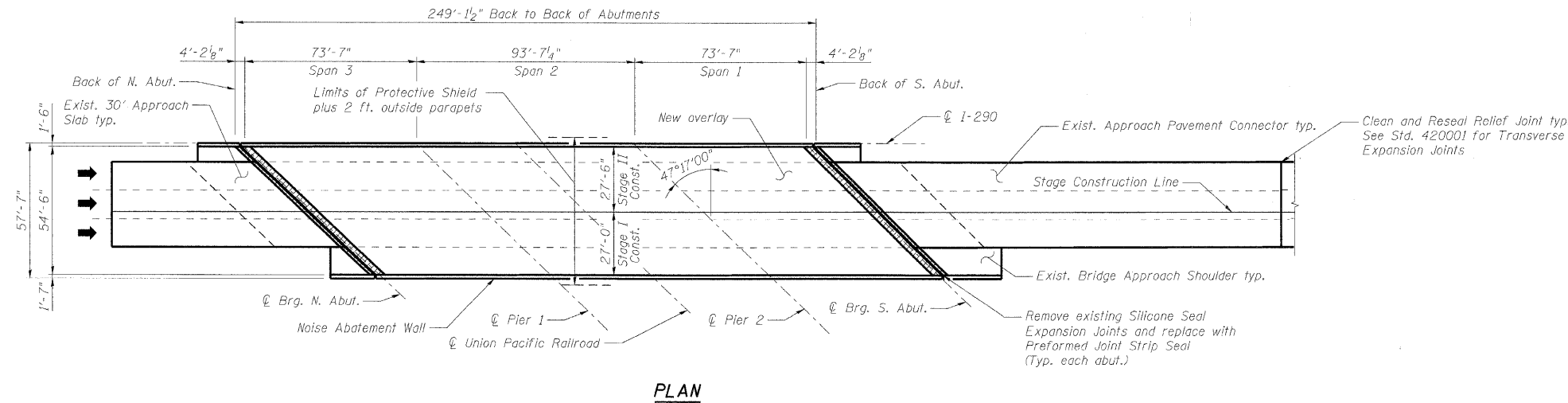
2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

DESIGN STRESSES

$f'c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

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. Repair north abutment backwall and beam seat.
7. Repair parapet with formed concrete repair.
8. Clean and reseal relief joints at the end of approach pavement connectors.
9. Apply concrete sealer to parapets, and abutment seats and backwalls.



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

**GENERAL PLAN AND ELEVATION
I-290 EB OVER UNION PACIFIC
RAILROAD (NORTH)
COOK COUNTY
STATION 380+68
STRUCTURE NO. 016-1130**

DESIGNED	-	TJJ
CHECKED	-	AAY
DRAWN	-	RMG
CHECKED	-	AAY

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 9 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	2009-099 BR	COOK/DUPAGE	309	191
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60157	