

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 94	2006-043 RS	COOK	135	96
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 62747

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

B.M. - Engineer to set temporary benchmark in field as necessary.

Existing Structure - Structure No. 016-0103&4, built as S.A. Rte. 263, Section 263-0707.1-15D at Station 277+11.26 in 1949, rehabilitated and widened in 1979 as FAI Route 94 (Edens Expressway). Section 1975-120-R & BR. The existing structures consist of a five span continuous non-composite steel multi-beam structure supporting a reinforced concrete deck. The steel beams consist of W36 rolled shapes. The substructure consists of reinforced concrete spill thru abutments supported on piles and reinforced concrete multi-column piers supported on piles.

Stage construction shall be utilized to maintain traffic during construction.

Salvage Existing Drainage Scupper Grate.

DESIGN SPECIFICATIONS
2002 AASHTO

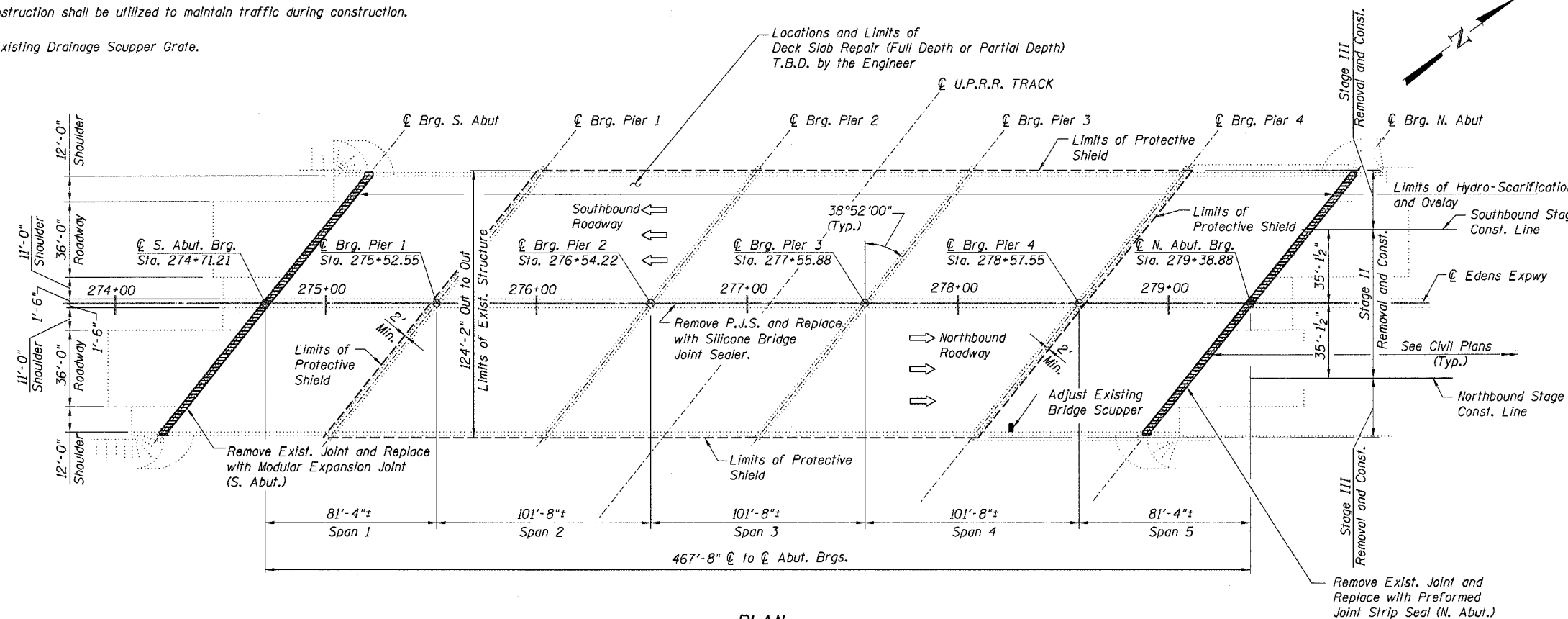
DESIGN STRESSES

FIELD UNITS

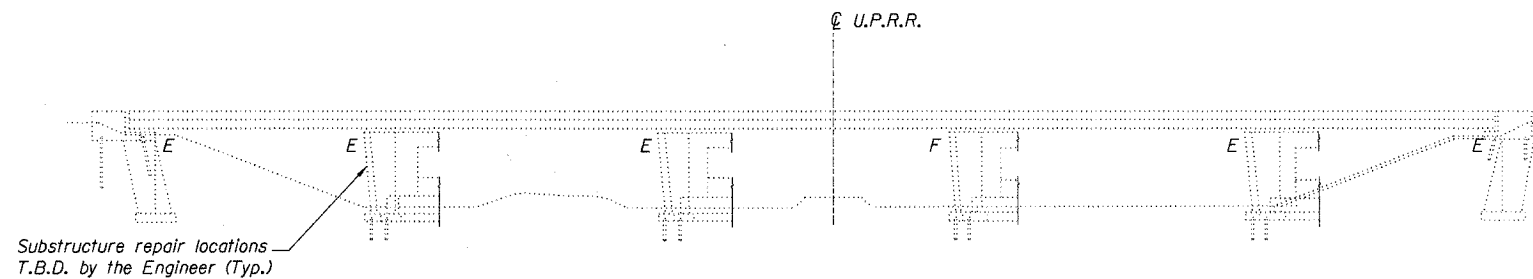
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

SCOPE OF WORK

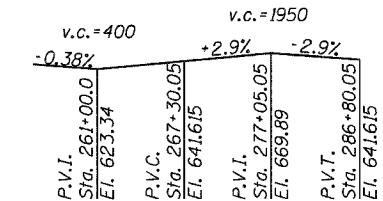
1. Provide Protective Shield with limits as indicated.
 2. Perform substructure repairs (structural repair of concrete and epoxy crack injection).
- Stage II:
3. Close Stage II construction areas to traffic.
 4. Hydro-Scarify the deck slab.
 5. Remove and replace expansion joints and surrounding concrete (including parapets).
 6. Perform deck slab repair.
 7. Adjust existing scuppers and install new grate.
 8. Place Overlay.
 9. Place temporary approach transitions.
 10. Open Stage II Removal area to staged traffic.
- Stage III:
11. Close Stage III Removal areas to traffic.
 12. Repeat steps 4-9 but for Stage III construction.
 13. Open bridge to traffic.



PLAN



ELEVATION
(Looking West)



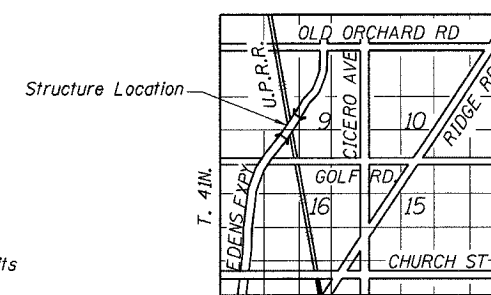
EXISTING PROFILE GRADE
EDENS EXPRESSWAY

NOTES

1. For joint removal and replacement plans and details, see Sheet Nos. 101 thru 104b
2. See Structural Notes on Sheet No. 97



Range 13E - 3rd. PM



LOCATION SKETCH

LEGEND

- Protective Shield Limits
- Concrete Removal / Joint Reconstruction

DESIGNED	DWH
CHECKED	JSD
DRAWN	EF
CHECKED	JSD

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

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GENERAL PLAN & ELEVATION
F.A.I. 94/ (EDENS EXPRESSWAY)
OVER U.P.R.R.
COOK COUNTY
STATION 277+05.05
STRUCTURE NO. 016-0103 & 016-0104