

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

Existing Structure - Structure No. 016-0105, built as S.A. Rte. 263, Section 263-0607.1-15D at Station 265+65.22 in 1949. The structure was rehabilitated and widened in 1979 as FAI Route 94 (Edens Expressway), Section 1975-120-R & BR. The existing structure consists of a three 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 by spread footings.

Stage construction shall be utilized to maintain traffic during construction.

No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 94	2006-043 RS	COOK	135	105
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 62747

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

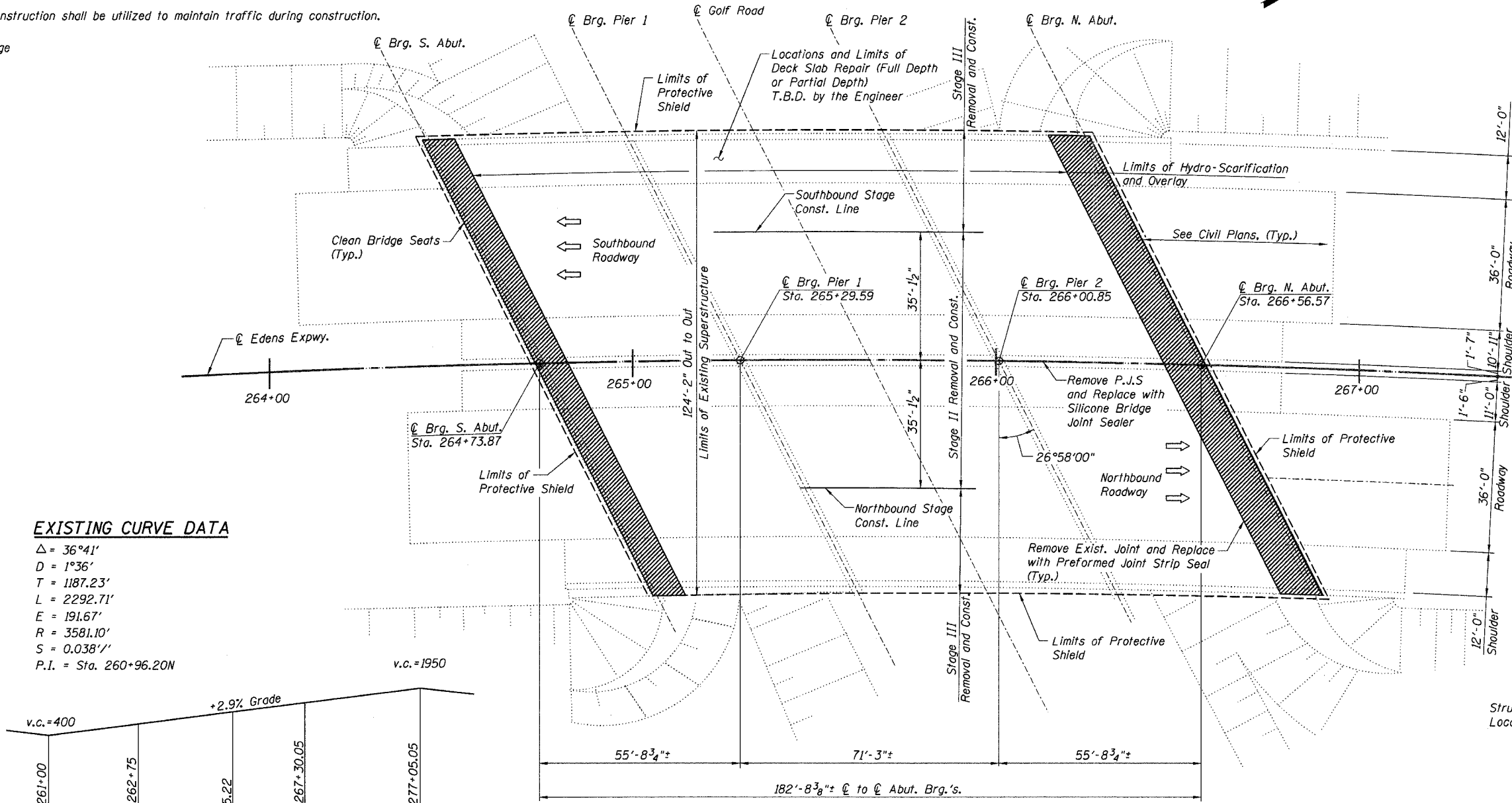
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (reinf.)
fy = 50,000 psi (M270 Grade 50)

SCOPE OF WORK

1. Provide Protective Shield with limits as indicated.
2. [Redacted]
3. Close Stage II construction areas to traffic.
4. Replace existing bearings at abutments.
5. Hydro-Scarify the deck slab.
6. Remove and replace expansion joints and surrounding concrete (including parapets).
7. Perform deck slab repair.
8. Place Overlay.
9. Place temporary roadway transitions.
10. Open Stage II Removal area to staged traffic.
11. Close Stage III Removal areas to traffic.
12. Repeat steps 4-9 but for Stage III construction.
13. Open bridge to traffic.

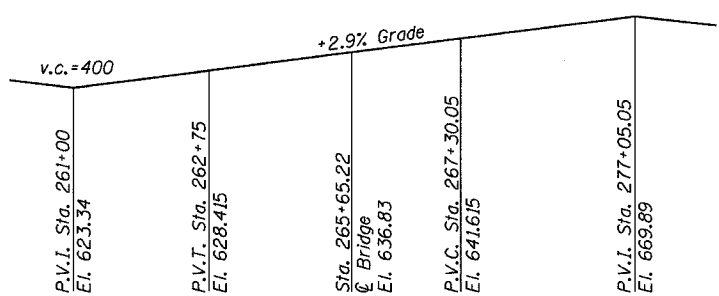
NOTES

1. For joint removal and replacement plans and details, see Sheet No. 108 thru 109b
2. See Structural Notes on Sheet No. 105a



EXISTING CURVE DATA

$\Delta = 36^{\circ}41'$
 $D = 1^{\circ}36'$
 $T = 1187.23'$
 $L = 2292.71'$
 $E = 191.67'$
 $R = 3581.10'$
 $S = 0.0381'$
 $P.I. = Sta. 260+96.20N$



EXISTING PROFILE GRADE
EDENS EXPRESSWAY

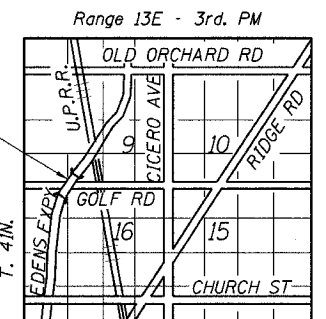
DESIGNED -	DWH
CHECKED -	JSD
DRAWN -	EF
CHECKED -	JSD

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

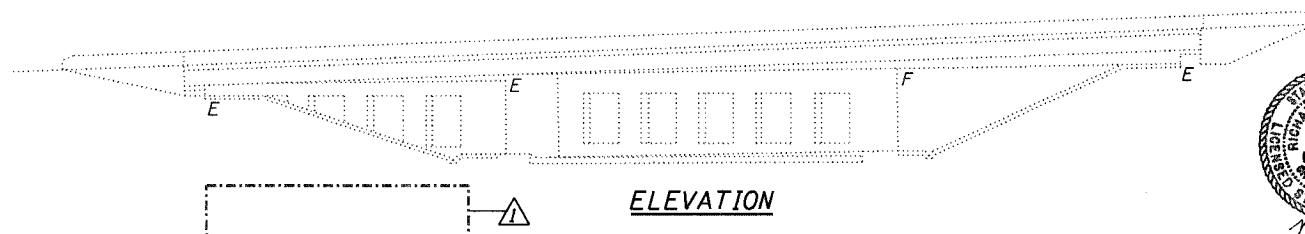
PLAN

LEGEND

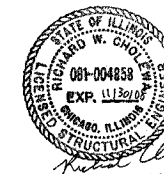
- Protective Shield Limits
- ▨ Concrete Removal / Joint Reconstruction



LOCATION SKETCH



ELEVATION



7/13/07

GENERAL PLAN & ELEVATION
F.A.I. 94/ (EDENS EXPRESSWAY)
OVER GOLF ROAD
COOK COUNTY
STATION 265+65.22
STRUCTURE NO. 016-0105

Revised 07/13/2007