

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	TOTAL SHEETS	"AS" SHEET
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  
 $f_y = 60,000$  psi (reinf.)  
 $f_y = 50,000$  psi (M270 Grade 50)

SCOPE OF WORK

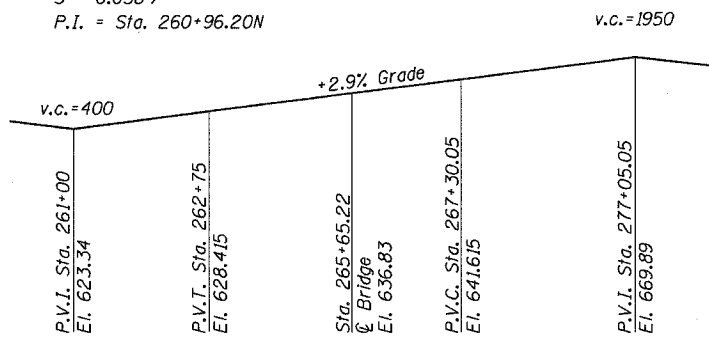
1. Provide Protective Shield with limits as indicated.
  2. Perform substructure repairs (structural repair of concrete and epoxy crack injection).
- Stage II:
3. Close Stage II construction areas to traffic.
  4. Replace existing bearings at abutments.
  5. Hydro-Scarify the deck slab.
  6. Remove and 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.
- 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.

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

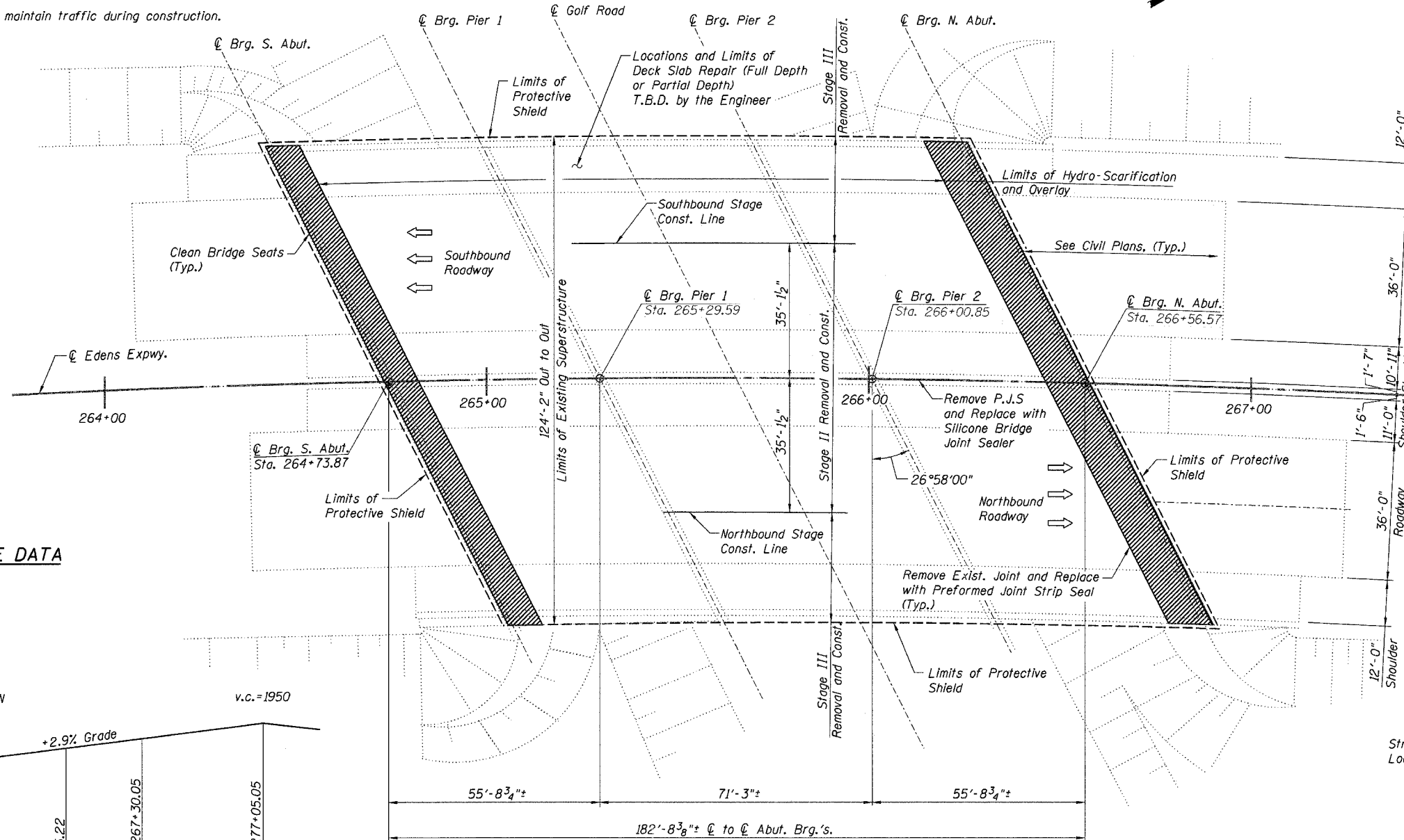
$\Delta = 36^\circ 41'$   
 $D = 1^\circ 36'$   
 $T = 1187.23'$   
 $L = 2292.71'$   
 $E = 191.67'$   
 $R = 3581.10'$   
 $S = 0.0381'$   
 $P.I. = Sta. 260+96.20N$



EXISTING PROFILE GRADE  
EDENS EXPRESSWAY

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

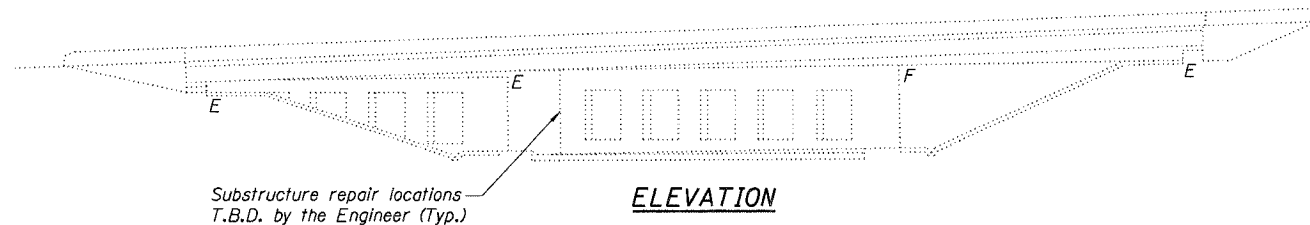
**LOCHNER**  
H.W. LOCHNER, INC., CHICAGO, ILLINOIS



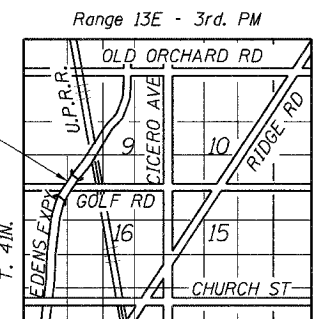
PLAN

LEGEND

- - - Protective Shield Limits
- ▨ Concrete Removal / Joint Reconstruction



ELEVATION



LOCATION SKETCH

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

