

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

Existing Structure - Structure No. 016-0102, built as S.A. Route 263, Section 263-0909.2-15D at Station 394+08.30 in 1949, rehabilitated and widened in 1979 as FAI Route 94 (Edens Expressway), Section 1975-121-R & BR. The existing structure consists of a non-composite reinforced concrete deck supported by simple span steel plate girders and rolled beams. The substructure consists of steel reinforced concrete full height abutments supported on pile foundations. An underpass tunnel is integral with the north abutment below the north approach.

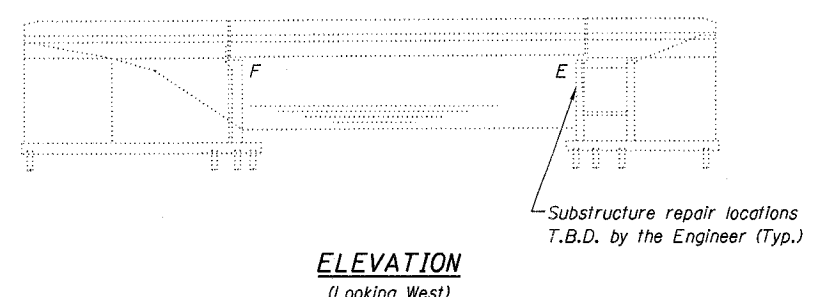
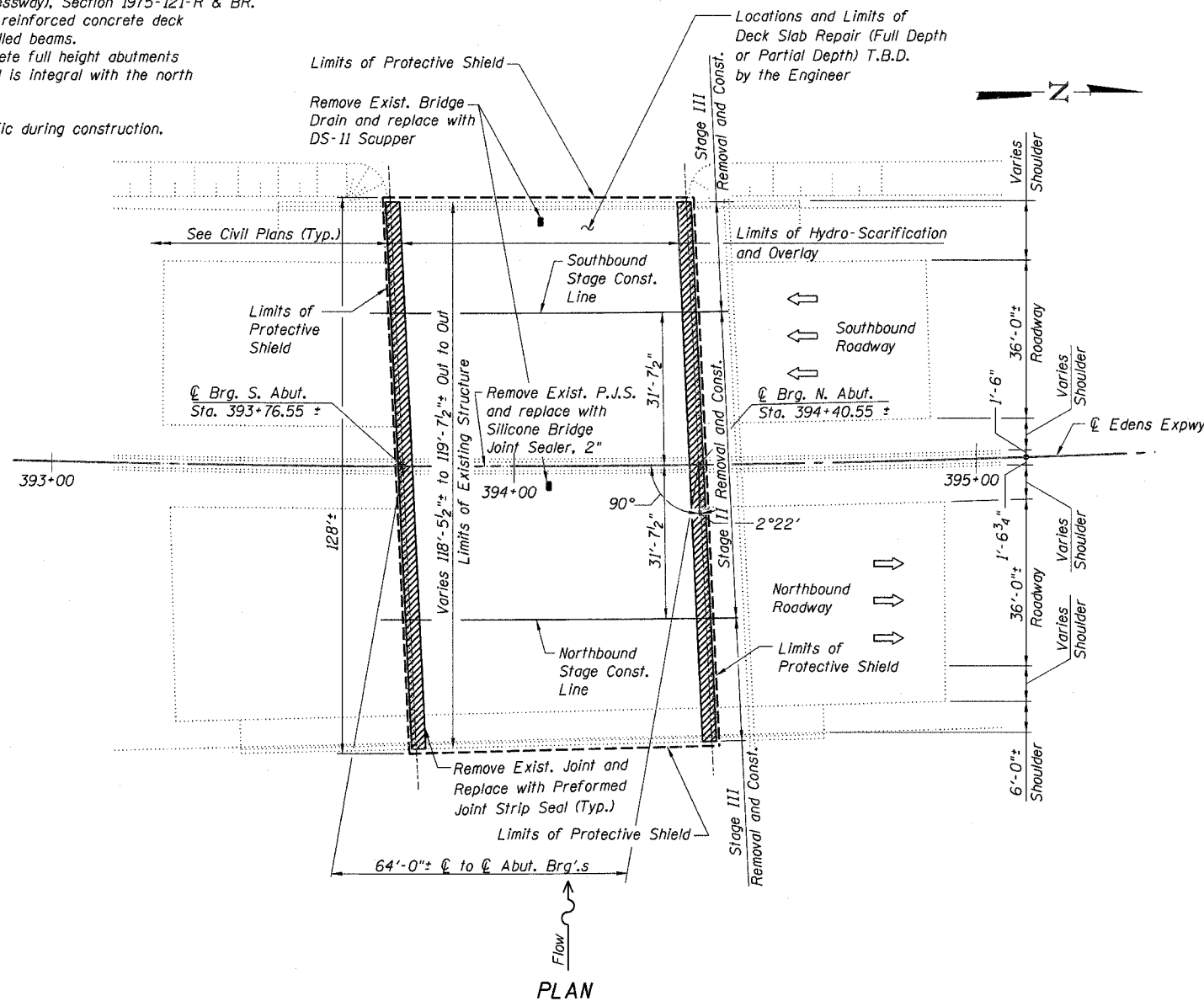
Stage construction shall be utilized to maintain traffic during construction.

No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 94/ F.A.P. 346	RS	COOK	91	79
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 62636



DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

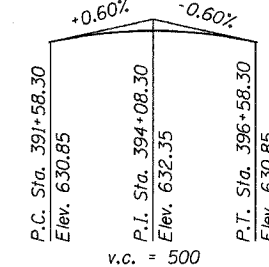
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

EXISTING CURVE DATA

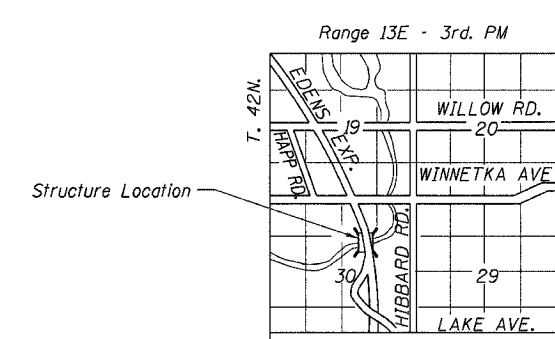
$\Delta = 26^\circ 24'$ $E = 97.19'$
 $D = 1^\circ 36'$ $R = 3581.10'$
 $T = 839.95$ $S = 0.038'/ft.$
 $L = 1650.00$ $P.I. = Sta. 387+50.54N$

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. Remove existing floor drains and install new scuppers at existing locations.
 8. Place Overlay.
 9. Overlay bridge approaches (See Civil Plans).
 10. Open Stage II construction 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.



EXISTING PROFILE GRADE
EDENS EXPRESSWAY



LOCATION SKETCH

NOTES

1. For joint removal and replacement plans and details, see Sheet No. 83 thru 86.
2. See Structural Notes on Sheet No. 80.
3. See Civil Plans for Maintenance of Traffic Plans & Details.

LEGEND

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

GENERAL PLAN AND ELEVATION
F.A.I. 94/ (EDENS EXPRESSWAY)

OVER SKOKIE RIVER
COOK COUNTY
STATION 394+08.55
STRUCTURE NO. 016-0102



Richard W. Choe
6/22/07

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

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