

Benchmark:

TOTAL SHEETS SHEET NO. SHEET NO. ${\it I}$ 43 16 SHEETS 3887 AR-B KANE 17 FED. ROAD DIST, NO. 7 ILLUNGIS FED. AID PROJECT

Contract #60C23

INDEX OF SHEETS

- General Plan & Elevation
- General Notes and Total Bill of Material
- Stage I Construction
- Stage II Construction
- Stage III Construction
- Temporary Concrete Barrier
- Superstructure Details
- Sections and Bearing Details
- Strip Seal Joint Details
- 10. Concrete Wearing Surface
- 11. Sidewalk & Parapel Details
- 12. Parapet Details
- 13. Bar Splicer Assembly Details
- 14. Re-erected Aluminum Railing
- 15. North Abutment Details 16. Substructure Repairs

LOADING HS20-44

No Allowance for future wearing surface

DESIGN SPECIFICATIONS

DESIGN STRESSES

FIELD UNITS = 3,500 psi $f_y = 60.000 \, psi \, (reinforcement)$

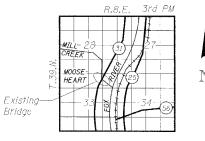
PRECAST PRESTRESSED UNITS

f'c = 5,000 psi

f'el = 4,000 psi

 $f_s' = 270,000 \text{ psi } (1/2" \text{ low lax strands})$

 $f'_{si} = 201,960 \text{ psi } (1/2" \phi \text{ low lax strands})$



LOCATION SKETCH

GENERAL PLAN & ELEVATION F.A.U. 3887 (IL 31) OVER MILL CREEK SECTION AR-B KANE COUNTY STA. 187+31.80

STRUCTURE NO. 045-0020



STS CONSULTANTS
III NE Jefferson Ave.
Peoria, Illinois 61602
Ph(309)676-3464
PAY/200208

FAX(309)676-5445 IL Design Firm Reg. No. 184-001518