achmark: Brass Disc at S.W. Corner of Existing Bridge, El. 812.05 (current USGS clev. is different from elev. listed on 1986 plans) "OTAL SHEE'S SHEET NO. SHEET NO.  $\boldsymbol{I}$ STATE OF ILLINOIS Existing Structure; No. 016-0219 was built in 1929 with a R.C.D.G. superstructure on R.C. closed abutments and solid piers. The bridge was widened in kind in 1931. The superstructure was reconstructed with P.P.C. deck beams in 1969, with length of 102'-7'2" back to back of abutments and total width of 52'-6" out to out of superstructure. 22. 10 SHEETS 8 Rte 20 Cook DEPARTMENT OF TRANSPORTATION Substructure was modified accordingly. Superstructure was resurfaced and railing replaced in 1986. Minor repairs were made to substructure. Salvage: None for removal components except existing name plates. Coniract # 62618 Steel Railing, Type SM (Typ.) Concrete Wearing See Sht. 7 of 10 & 8 of 10 Surface, 5" INDEX OF SHEETS 1. General Plan & Elevation Guardrali, See Rdwy. Plans -2. General Notes and Total Bill of Material 17." P.P.C. Deck Beams Stage Construction 1/" P.P.C. Deck Bea<u>ms</u>j · Bk. E. Abut. 17" P.P.C. Deak Beams (Remove & Replace) Temporary Concrete Barrier for Stage Construction (Remove & Replace) (Remove & Replace) Superstructure Details - 17" Deck Beams Bk. W. Abut. -6. Superstructure Details - Sections & Joint Details 7. Rail Post Spacing & Concrete Wearing Surface Plan Repair as noted Repair as noted 8. Stool Railing, Type SM With Concrete Wearing (See Sht. 10 of 10) (See Sht. 10 of 10) Surface and Curb € active 9. Bar Splicer Assembly Details tracks /tracks 10. Substructure Repairs General Plan & Elevation \*9'-6" \*8'-10'2" clear at rt. angles at rt. angles LOADING HS20-44 DESIGN SPECIFICATIONS ELEVATION \*Note: Existing clearances shall be maintained DESIGN STRESSES FIELD UNITS  $f_c' = 3,500 \text{ psi}$ 102'-712" Bk. to Bk. Abutments  $f_y = 60,000 psi (reinforcement)$ End of Deck Beams — --- End of Deck Beams 33'-0<sup>1</sup>2" Span #1 36′-6½″ Span #2 33′-0½" Span #3 PRECAST PRESTRESSED UNITS <u>Poi</u>nt of minimum f'c = 5,000 psi <u>--</u> <u>€</u> Pier #1 --- € Pier #2 →Existing Utility Conduit To be relocated by others Bk. E. Abut. ← Bk. W. Abut. vertical clearance  $f'_{cl} = 4,000 \text{ psi}$  $f'_s = 270,000 \text{ psi } (1/2" \phi \text{ low lax strands})$  $f'_{si} = 201,960 \ psi \ (1/2" \ \phi \ low \ lax \ strands)$ — 1" Joint — 1" Joint 8°-14'-00' Skew (typ.) — € Brg. W. Abut. € Brg. E. Abut. -Bonded Construction Joint in 5' Concrete Wearing Surface - PROPOSED BRIDGE LOCATION SKETCH -Bk. W. Abut. Bk. E. Abut. — Sta. 106 ± 03.50 `— € Roadway, P.G. — Stage Construction Line Sta. 105+78.28 Sta. 105+45.24 Sta. 106+14.82 Sta. 106+47.86 and Bridge Sta. 105+96.55 ΓI. 812.30 El. 812.69 FJ. 812.08 RAILROAD DATA Crossing: DOT/AAR No. 260 529L ,—∉ Brg. Mile Post: 38.57 Brg.— € Brg.— **APPROVED** © E.J. & E. Railroad Tracks € E.J. & E. Ralph & anderson (Too) Bridge Railroad Track GENERAL PLAN & ELEVATION U.S. RTE. 20 (F.A.P. 426) OVER E.J. & E. RAILROAD Railroad ROW £ to € tracks COOK COUNTY, STA. 106+03.50 Rebuilt Name Plate -Relocated Name STRUCTURE NO. 016-0219 Plate Locations Location on Steel Rail 200 DESIGNED DDB STS CONSULTANTS FXAMINED DGNALD S BELL 4544 PLAN 111 NE Jefferson Ave. Peoria, Illinois 61602 Ph(309)676-8464 CHECKED LLV PASSED See Sht. 6 of 10 for Sections through Abutments Donald D. Bell DRAWN MGM Railroad ROW FAX(309)676-5445 Illinois Licensed Structural Engineer No. 4544 and Piers, See Sht. 6 of 10 for Cross Section IL Design Firm Reg. No. 184-001518 through Bridge Deck. Lic. Expires: 11/30/08 CHECKED LLV