15 (USC & G3) Chiseled "a" on N.E. wall of Bridge 76+30.63 Elev. 383.42 STATE OF ILLINOIS ÷ Structure: Built in 1950, S.B.I. Fle. 1, Sec. 48Y DEPARTMENT OF TRANSPORTATION " County Sta. 259,97 3 Span with 24" WF on R.C. piers and pile bent abuts . Contractor shall we all existing superstructure using slage 1 tion to maintain one way traffic at all The existing substructure to be rebuilt as red to accommodate the new P.P.C. Deck beam ona structure. Existing structure #097-0007 mat Balvage . · Art not 2·1" # x3-6" Anchar bolts in Metal Guard Rail each end of sha Mer रिवेद्याः 17"x 48" P.P.C. 3m x 12 Fixed Fixed Fixed Fixed 甶. Fixed fixed EI.37G.37 -EI. 376.37 *loca* High Water (Backwater d, Eler. (30 yr.) 379.21 HORIZONTAL CURVE DATA (s., Steel Piles Steel Piles 54. 177 * 67.69 = 22 * 37 * 33" = 1 * 20 * 00" = 4297.16 * = 4359.66 *, = 1636.94 RADAT — A. 354.5 - El. 356.30 E1.356.23-L 1696.94' P.C. 3/a. 169+08.03 (11' Rt. & F.A. Rta. 132) PT. 3ta. 186+04.37 € Pier *1 - E Pler #2 \$ Struct Natural - B.K. W. Abut. waterlable BK. E. Abut. Ground (11' Rl. & F.A. Rhe. 132) S.E. = 0.041%, Rotating about & rdwy (70mph) 12" Rip Rop FA RI DEL Exist. Welded Steel Piles Steel Piles Wire Fabric 1 ١Ľ ELEVATION 5 -Tangant Line @ Sta. 176 + 80.63 Beddun 33:5" 33-10" م ن اوى Existing Watertable Existing 6 106-3" Bk. to Bk. Abut Slope Slopewall ¥ OFF-SET SKETCH SECTION A-A **+→**8 SECTION B-B Hatched area indicates Siopewall Removal 8 Removal of Existing Replacement and the cost is Concrete Removal ŝ incidental to Class X Concrete 100 Bituminious Concrete **->**₿ Waterproofing Membro + Expansion Bolts(34" Ø As fir th Bk.E. Abut. (Exist.) Ek. W. Abul (Exist) -E-Pier #2 1 15/a. 176+60.87 Protective Coot [sta. 177+33.69 Sla. 176+27.37 P.S.El. 383.30 Sta. 176+99.97 Class X Concrete PGE1. 383.30 PG.E1. 383.39 (Top of cl. I) F.A. Rte. 132 90° RG.El. 383.39 Ŕ. (Top of cl. 1) Precast Prestressed ((Top of cl. I) (Top of cl. I) Reinforcement Bars 2 Tangent Line E McHenry Slough 512. 176+80.63 Name Plates E Survey (11'RI & F.A. Rie. 132) Limits of Exist. a Sta. 176+80.43 Portland Cement Mor Structure Stone Rip Rap -Name & Locatation Steel Piles (HP IO x 4) Test Piles Steel (HP The second 64 33-5" 39'-0" 33'-10" Structure Excavation 3 Pavement Removal & F 106-3" Bk. to Bk. Existing Abut. tangent line 11 L Temporary Guararail PLAN ve crosshatched cortions of g slopewall and replace with DESIGN STREESES rip wap shaped to fit new FIELD UNITS tion. Cost of removal is *See Special Provisio 5^{B-1} atal to Structure Excavation. 1400 psi fc æ FY 60000 pei (Rebar) Range IDE. 3rd. R.M. WATERWAY INFORMATION f's 8 20,000 pai (Structure) by it Drainage Area 2560 Acres. Existing Opening 1217 Sq. Ft. Required Opening 1217 Sq.Ft. PRECAST PRESTRESSED UNITS Proposed Opening H.W.E (100 yr. Backwaler) H.W.E. (50 yr. Backwaler) 1217 Sq.F. Bridge A. 505-23 1976 Elav. 360.57 fic 5000 pai -ile Join A. Wlows fci Eler. 379.21 4000 pei Second EXAMINED 270.000 psi(?" + strands) 188.700 psi(?" + strands) £'s Jany Elmando Design Discharge (50yr Headwaler) Q (100yr Headwaler) f'si 625 cfs KED PASSED 200 cfg -P Barnett LOADING HS 20 - 44 APPROVED 120 Min A. LOCATION SKETCH Liow 25 #/a' for future Wearing Surface. STATES OF STREET, ST FOR INFORMATION ONLY

	USER NAME = has ESCA PROJECT NO. 988.11 PLOT SCALE = 0.1667 '/ IN.	DESIGNED - ELH DRAWN - HAS CHECKED - RDP	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS – F Structure NO. 0		
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