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DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications with 2008 Interims

Original Construction Drawing

LOADING HL-93 Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA Seismic Performance Zone (SPZ) = 1 Design Spectral Acceleration at 1.0 sec. $(S_{D1}) = 0.119$ Design Spectral Acceleration at 0.2 sec. (Sps) = 0.191 Soil Site Class = D

DESIGN STRESSES

FIELD UNITS f'c = 3.500 psi fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6.000 psi f'ci = 5,000 psi fpu = 270,000 psi (1/2" low lax. strands) fpbt = 201.960 psi (1/2" low lax. strands)



NO. 081-005819 (Expires 11/30/10) ILL INOIS

BUE anderew (5) GENERAL PLAN AND ELEVATION IL-9 OVER MACKINAW RIVER TRIBUTARY F.A.P. 693 - SECTION (119 BR-2)BR <u>TAZEWELL COUNTY</u> <u>STA. 772+88.16</u> <u>S.N. 090-0177</u>

STRAND ASSOCIATES, INC.

SHEET NO. 1	F.A.P. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	693	(119	BR-2)BR		TAZEWELL	65	18
22 SHEETS					CONTRACT	NO. 68	660
	FED. RC	AD DIST. NO.	ILLINOIS	FED. AI	D PROJECT		