

8557B

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES FIELD UNITS

f'c = 3,500 psi fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'ci = 5,000 psi f'c = 6,000 psi fpu = 270,000 psi (1/2" \$\u00e9 low lax strands) fpbt = 201,960 psi (1/2" \$\u00e9 low lax strands)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Exist. ROW

Existing Driveway

 $+ \vdash$

See Roadway Plans

Seismic Performance Zone (SPZ) = 1 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.077 Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.128 Soil Site Class = D

Approximate location of

exist. Buried Telephone & Electrical Utilities



To the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

Nobert Sta

Structural Engineer SEC Group Inc. An HR Green Company Expires: 11/30/2010 2012

EVATION	F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
. 101–6011		09-00559-00-BR	WINNEBAGO	21	8
			CONTRACT	NO. 8	5528
EETS	ILLINOIS FED. AID PROJECT				