Bench Mark: 105A - 60d spike in corner on south side of side road at west end of Existing Structure. None

Elev. 784.70
Sta. 569+24.85
Pier #1

Elev. 784.70
Sta. 569+27.59
Pier #2

Note: No deck drains will be permitted in the span over

Elev. 786.92
Sta. 570+22.29

P.G. E.Bd. Structure

Elev. 792.50
Sta. 569+24.34
Bk. of W. Abut.

Elev. 792.50
Sta. 569+96.15
~ Brg. W. Abut.

Elev. 758.25
Sta. 569+74.46
~ Cent. Wisc. R.R.

Elev. 760.47
Top of rail

Elev. 760.47
Top of rail

Elev. 764.60
Sta. 4+00.00

Elev. 764.80
Sta. 5+00.00

Elev. 764.87 min.
Top of rail

Elev. 765.00

Elev. 790.57

Elev. 790.69
Sta. 568+20.00

Elev. 790.82
Sta. 569+00.00

Elev. 794.08
Sta. 570+22.29
~ Pier #2

Elev. 794.10

Elev. 794.79
Sta. 570+69.17
~ Brg. E. Abut.

Elev. 794.82
Sta. 570+85.60
~ P.T.

Elev. 805.27

Elev. 805.50

SEISMIC DATA
Soil Site Class = B

Design Spectral Acceleration at 1.0 sec (S  ) = 0.032g

DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications

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

GENERAL PLAN & ELEVATION
U.S. ROUTE 20 OVER
CENTRAL WISCONSIN RAILROAD
F.A. RTE. 401 - SEC. I77-2VB
STEPHENSON COUNTY
STATION 569+96.15
STRUCTURE NO. OB9-0055

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS

HIGHWAY CLASSIFICATION
F.A. RTE. 401 - U.S. RTE. 20
Geneva - Califon
Total Length = 11.98 miles

PRECAST PRESTRESSED UNITS
f  = 60,000 psi (Reinf.)
f  = 3,500 psi

Design Spectral Acceleration at 0.2 sec. (S ) = 0.070g

DESIGN STRESSES
Field Units
f  = 5,000 psi
f  = 5,000 psi
f'  = 6,000 psi

Prestrained Units
f  = 570,000 psi (5" dia. 6% strains)
f  = 570,000 psi (5" dia. 6% strains)

SEISMIC PERFORMANCE ZONE (SPZ) = 1

SEISMIC DATA
Soil Site Class = B

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2010 AASHTO LRFD Bridge Design Specifications

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GENERAL PLAN & ELEVATION
U.S. ROUTE 20 OVER
CENTRAL WISCONSIN RAILROAD
F.A. RTE. 401 - SEC. I77-2VB
STEPHENSON COUNTY
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f  = 3,500 psi

Design Spectral Acceleration at 1.0 sec (S  ) = 0.032g

DESIGN STRESSES
Field Units
f  = 5,000 psi
f  = 5,000 psi
f'  = 6,000 psi

Prestrained Units
f  = 570,000 psi (5" dia. 6% strains)
f  = 570,000 psi (5" dia. 6% strains)

SEISMIC DATA
Soil Site Class = B

DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications

LOADING HL 93
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GENERAL PLAN & ELEVATION
U.S. ROUTE 20 OVER
CENTRAL WISCONSIN RAILROAD
F.A. RTE. 401 - SEC. I77-2VB
STEPHENSON COUNTY
STATION 569+96.15
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STEPHENSON COUNTY
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SEISMIC DATA
Soil Site Class = B

DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications

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

SECTION THRU ABUTMENTS

PIER SKETCH