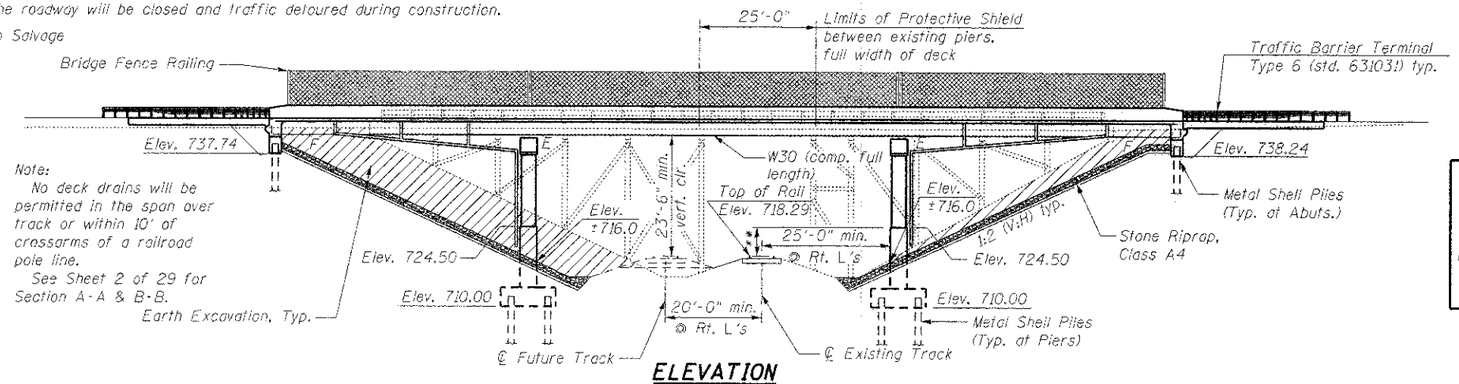
Bench Mark: Chiseled "□" on northwest corner of S.N. 001-9902. Elev. 744.00

Existing Structure: Structure No. 001-9902 was originally built in 1905 on F.A.S. Rte. 1598 (Cannonball Road) in Adams County. The structure consists of 11 timber beam spans and reinforced concrete deck on timber pile caps over individual timber columns. The back to back abutment length is 155'-0" and the out to out bridge width is 28'-0". The structure is to be removed and replaced.

The roadway will be closed and traffic detoured during construction.

No Salvage



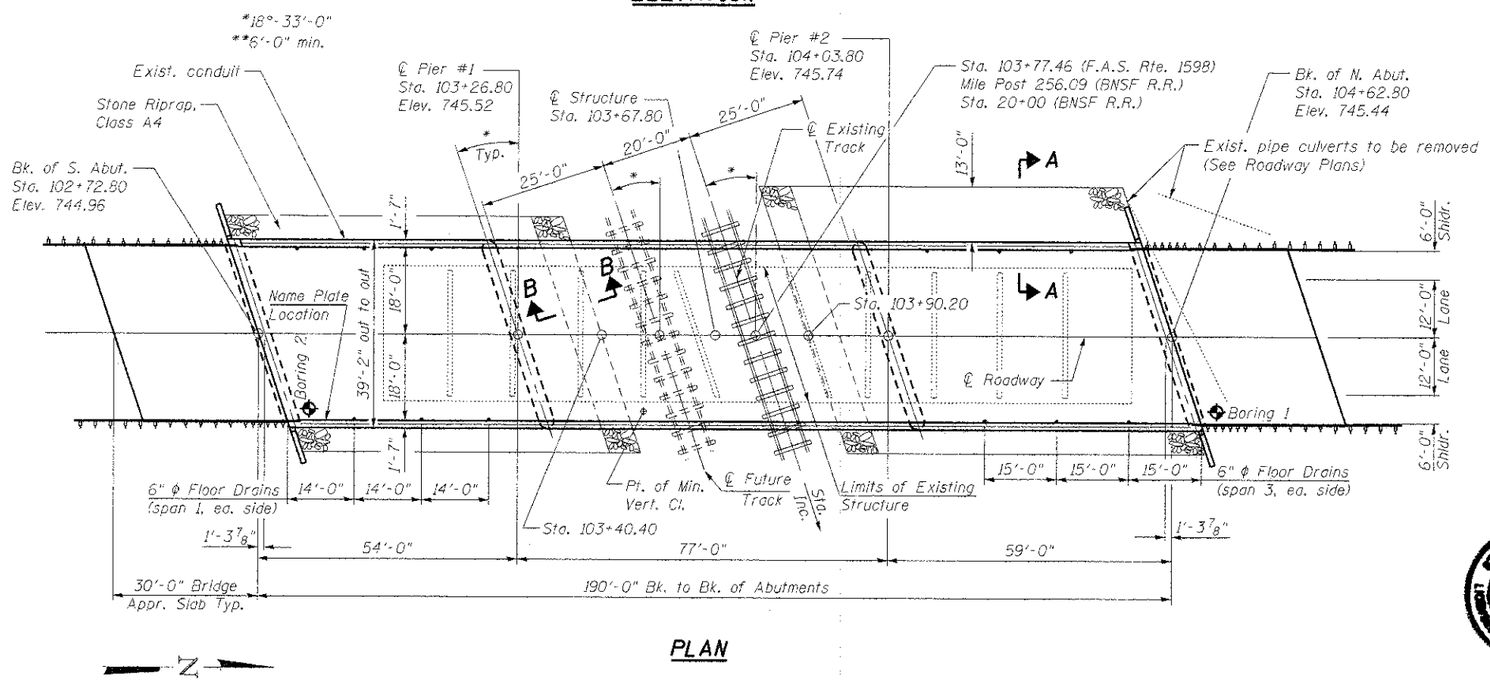
Note:
No deck drains will be permitted in the span over track or within 10' of crossarms of a railroad pole line.
See Sheet 2 of 29 for Section A-A & B-B.

ELEVATION

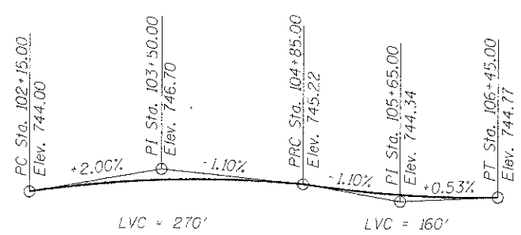
B.N.S.F. R.R.
BUILT 201_ BY
ADAMS COUNTY
SEC. 11-00218-00-BR
F.A.S. RT. 1598 STA. 103+67.80
STR. NO. 001-3338
LOADING HL-93

NAME PLATE

See Std. 515001

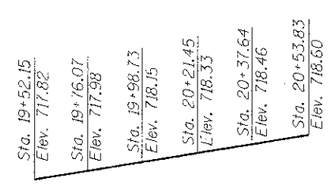


PLAN



PROFILE GRADE

(Along ℄ Roadway Cannonball Rd.)



TOP OF RAIL ELEVATIONS BNSF RAILROAD

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26	Bar Splicer Assembly and Mechanical Splicer Details
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DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications 5th Edition

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50 - Galvanized) (Beams)
fy = 36,000 psi (M270 Grade 36 - Galvanized) (Diaphragms)

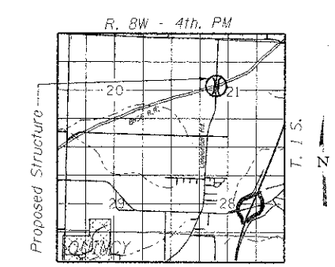
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.10g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.15g
Soil Site Class = C

STATE OF ILLINOIS ALAN D. LUKENS 081-005167 QUINCY, ILLINOIS LICENSED STRUCTURAL ENGINEER

1-17-13
Alan D. Lukens — Date
Licensed Structural Engineer
State of Illinois No. 081-005167
License Expires 11/30/2014

I certify that 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 Specifications for Highway Bridges".



LOCATION SKETCH

GENERAL PLAN & ELEVATION
CANNONBALL ROAD OVER BNSF RAILROAD
F.A.S RTE. 1598 - SEC. 11-00218-00-BR
ADAMS COUNTY
STATION 103+67.80
STRUCTURE NO. 001-3338
BNSF CROSSING 072-405A

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
STATE OF ILLINOIS DESIGN FIRM # 1842738

FILE NAME = G:\IDfiles\ID0215\05 Plans\Bridge Plans Without Structural Steel\GPE & General Details.dgn	USER NAME = bgj	DESIGNED - ADL	REVISED - SEB - 1/16/13	ADAMS COUNTY HIGHWAY DEPARTMENT
		CHECKED - RJP	REVISED -	
	PLOT SCALE = 0.083170 ' / IN.	DRAWN - RJP	REVISED -	
	PLOT DATE = 1/17/2013	CHECKED - ADL	REVISED -	

GENERAL PLAN & ELEVATION
S.N. 001-3338
SHEET NO. 1 OF 29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	11-00218-00-BR	ADAMS	53	17

CONTRACT NO. 93590
ILLINOIS FED. AID PROJECT