Bench Mark: Metal rivet on S.E. Abutment Wingwall, right of Sta. 141+46.00, Elev. 850.08

Existing Structure: S.N. 019-0002 Built in 1947 as S.B.I. Rte. 6, Section 34-X-B and renovated in 1980 as F.A. Rte. 567, Section 34-X-BY. Structure consists of a 2-span continuous, RC Girder Bridge that has been widened with PPC deck beams, on closed abutments and solid piers. 86'-6" back-to-back abutments. 60'-0" out-to-out deck. Structure to be removed and replaced using stage construction to maintain one lane of traffic in each direction.

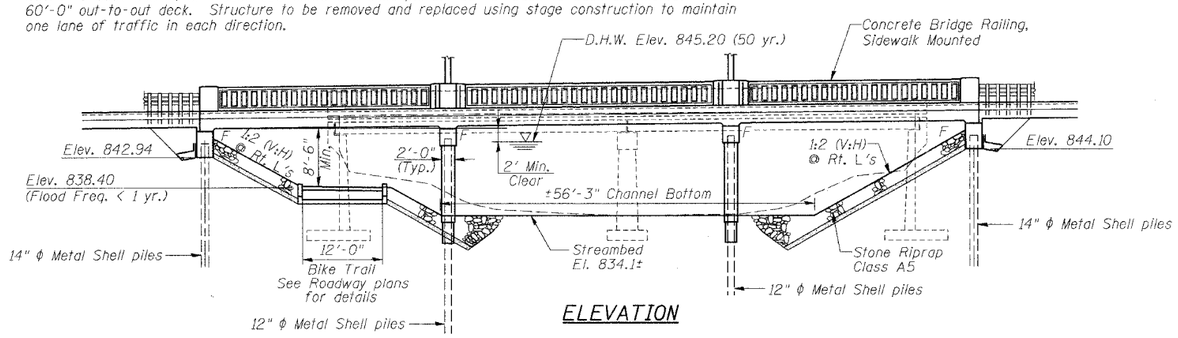
Salvage: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 567 (IL 38)	34-XBR	DEKALB	90	32
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
14 SHEETS

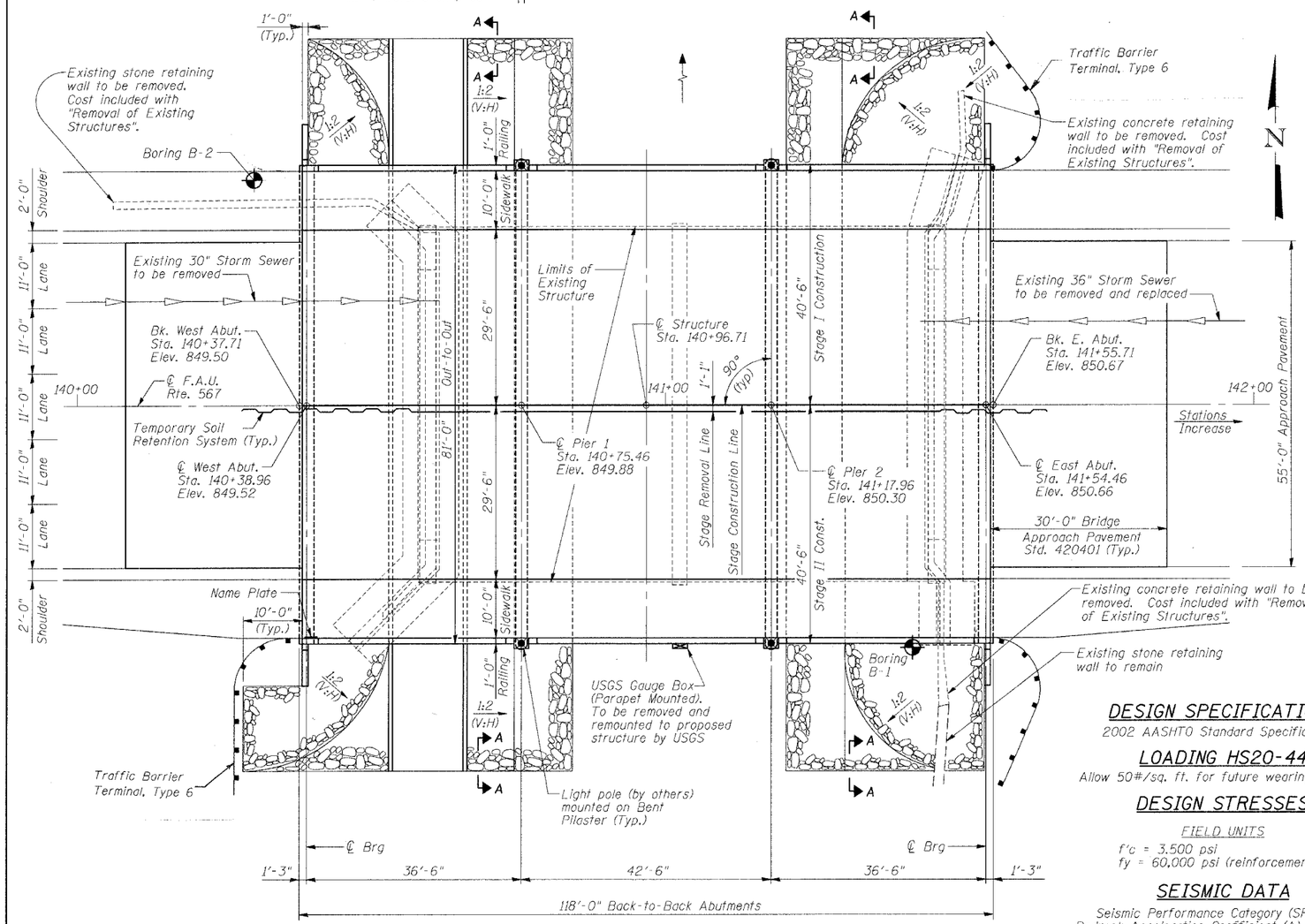
Contract No. 64583



ELEVATION

STATION 140+96.71
BUILT 20__ BY
STATE OF ILLINOIS
F.A.U. ROUTE 567 SEC. 34-XBR
LOADING HS20
STR. NO. 019-0044

NAME PLATE
See Std. 515001

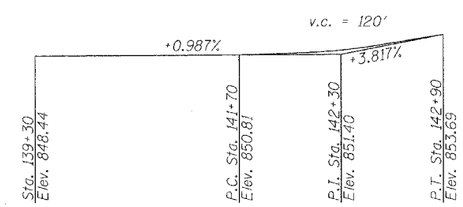


PLAN

WATERWAY INFORMATION TABLE

Drainage Area = 77.70 sq. mi. Low Grade Elev. 846.13 @ Sta. 141+02.40

Flood	Freq. Yr.	Q CFS	Opening Sq. ft.		Nat. H.W.E.	Head - Ft.		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	1850	594	681	843.0	0.2	0.2	843.2	843.2
Design	50	2910	739	904	845.2	0.3	0.3	845.5	845.5
Base	100	3400	789	998	846.0	0.6	0.6	846.6	846.6
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	4186	872	1108	847.0	0.6	0.6	847.6	847.6



PROFILE GRADE
(Along ℄ roadway)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

LOADING HS20-44

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

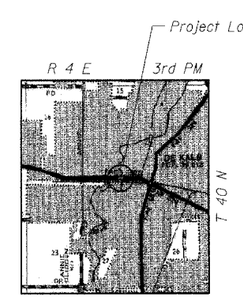
DESIGN STRESSES

FIELD UNITS

f'c = 3.500 psi
fy = 60,000 psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.036 g
Site Coefficient (S) = 1.2



LOCATION MAP

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

12/5/06
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
Expires: 11/30/08

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

F.A.U. ROUTE 567 (IL 38) OVER
SOUTH BRANCH OF THE KISHWAUKEE RIVER
DEKALB COUNTY - SEC. 34-XBR
STA. 140+96.71
S.N. 019-0044

SCALE: VERT. HORIZ.
DATE: 7/6/05

DRAWN BY: LANDREY
DESIGNED BY: TRELLO
CHECKED BY: SANFORD

GREENE & BRADFORD, INC. OF SPRINGFIELD
CONSULTING ENGINEERS
2700 S. DIRKSEN PARKWAY
SPRINGFIELD, ILLINOIS 62703
PROFESSIONAL DESIGN FIRM NO. 184-000197
PROFESSIONAL ENGINEERING & LAND SURVEYING CORPORATION
(217) 787-8894, (217) 787-5277 (FAX) E-MAIL: GBSP@GREENEBRADFORD.COM

COMPUTER FILE NO. SN019-0044GPE
PROJECT 05198
12/4/06-MML

FILE NAME = J:\05198\DRAWINGS\SN019-0044\SN019-0044.dgn
PLOT SCALE = 10.6667 ' / INCH
PLOT DATE = 12/4/2006
PLOT TIME = 15:05:17.74
OPERATOR = mlcrowell
XREF = XES_B850_ENG_BRIDGE