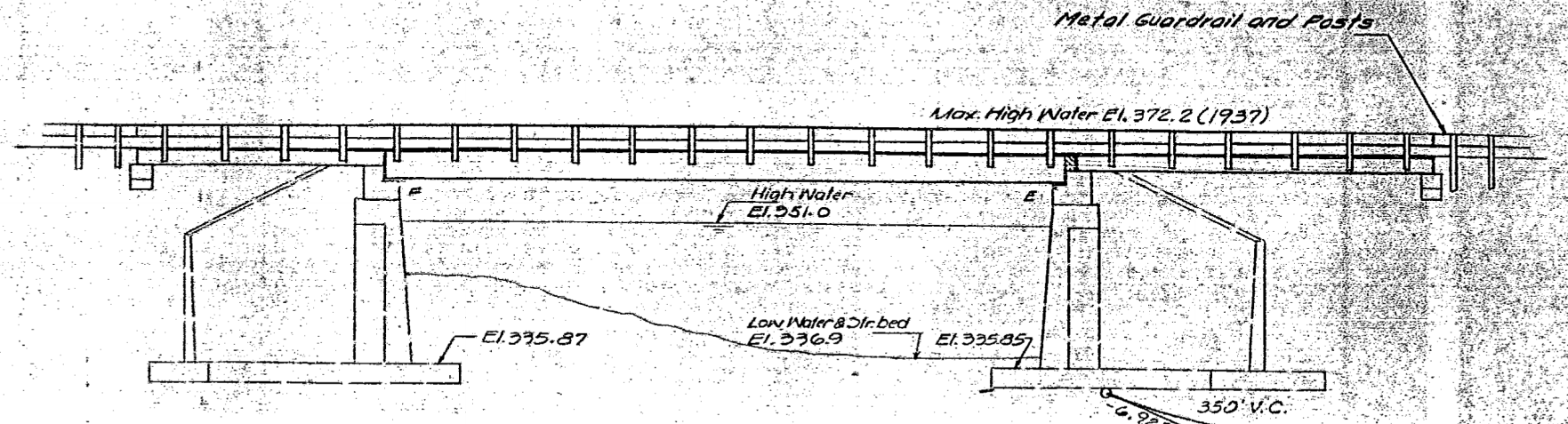


B.M. RR Spike in RR 34' L. Sta. 991+54 L. 380.15
 Exst. Structure Built in 1933 as S.D.I. Rt. 140 Sec. 115A
 Sta. 996+97, Superstr. Pony Truss, Closed RC Abut.
 The Contractor shall remove Superstr. No Salvage
 Traffic detour to be determined by the District
 Eq. Sta. 996+31.4 Bk. Sta. 996+36.7 Ahead.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
782	DR-1	HARDIN	22	14	8 SHEETS



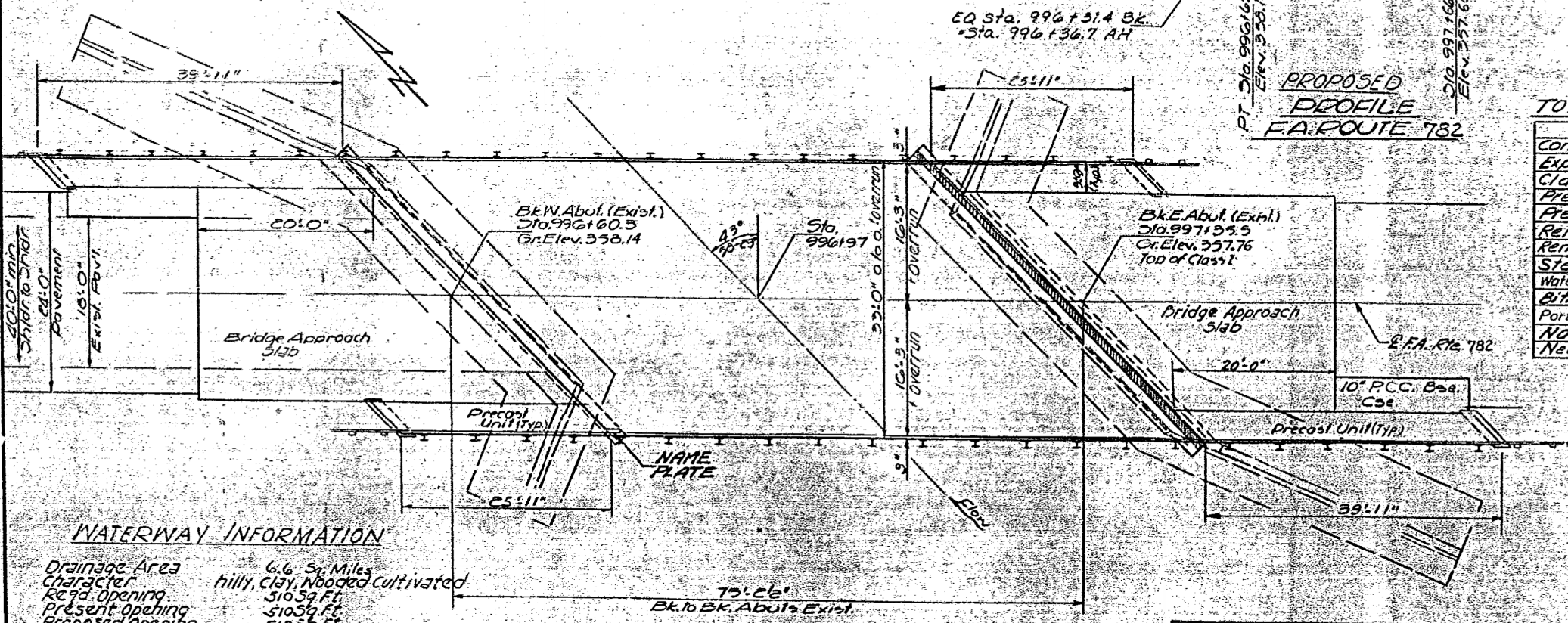
ELEVATION

GENERAL NOTES

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

Expansion bolts shall consist of self-drilling expansion anchors and 3/4" x 12" hooked bolts. Shoulder transition to wingwall shall be shaped with broken concrete, cast incidental. Hooked bolts shall extend a minimum of 12" into new concrete except as otherwise shown.

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.



PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Concrete Removal	Cu.Yds		24.6	24.6
Expansion Bolts (3/4" x 12")	Eq.		39	39
Class X Concrete	Cu.Yds	1.1	30.2	31.3
Precast Concrete Bridge Slab	Sq.Ft.	435		435
Precast Prest. Conc. Deck Em. 33"	Sq.Ft.	2234		2234
Reinforcement Bars	Lbs.	150	4370	4520
Removal of Existing Superstructure	Eq.	1		1
Steel Railing Type S	Lin.Ft.	274		274
Waterproofing Membrane System	Sq.Yds	281		281
Bit. Concrete Surface Course Cl. I	Tons	32		32
Portland Cement Mortar Fairing Course	Lin.Ft.	690		690
Name Plates	Eq.	1		1
Neoprene Expansion Joint (2")	Lin.Ft.	49		49

WATERWAY INFORMATION

Drainage Area 6.6 Sq. Miles
 Character hilly, clay, wooded cultivated
 Reg'd. Opening 510 Sq. Ft.
 Present Opening 510 Sq. Ft.
 Proposed Opening 510 Sq. Ft.
 Design discharge 3670 cfs
 Created Hd. for Design Flood 1.02'
 100 Year Discharge 3670 cfs
 Created Hd. for 100 Year Flood 1.51'

DESIGN SPECIFIED

FIELD UNITS
 f_c = 1400 psi - 50b
 f_s = 20,000 psi - 40b
 n = 10

PRECAST
 PREDESIGNED UNIT
 f_c = 3000 psi
 f_s = 4000 psi
 f_s = 270,000 psi - Strands 7/8"
 f_s = 188,700 psi - Strands 7/8"

STATION 996+97
 RESULT IS BY
 STATE OF ILLINOIS
 F.A. RT. 782, SEC. 115A-DR-1
 F.A. PROJ. BR-F-782(4)
 LOADING HS 20
 STR. NO. (See Std. 2113)

* structure number to be supplied by District.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
 OVER ROCK CREEK
 F.A. ROUTE 782
 SECTION 115ADR-1
 HARDIN COUNTY
 STATION 996+97

DESIGNED JOHN A MORRIS
 CHECKED Paul S. G. (S)
 DRAWN Leona Haeren
 CHECKED Paul S. G. (S)

EXAMINED [Signature]
 PASSED [Signature]
 APPROVED [Signature]

Allow 25' / Sq. Ft. for future H.S.
 Design Specifications 1969 MASHO
 (As Applicable)
 LOADING HS20/44

FOR INFORMATION ONLY

EXISTING STRUCTURE PLANS - FOR INFORMATION ONLY
 STRUCTURE NO. 035-0002

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	115B-1	HARDIN	70	53
CONTRACT NO. 78263			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



USER NAME = kah	DESIGNED - JMS	REVISED -
ESCA PROJECT NO. 1035.03	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - NHP	REVISED -
PLOT DATE = 1/22/2014 5:25:21 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 1 OF 10 SHEETS STA. TO STA.