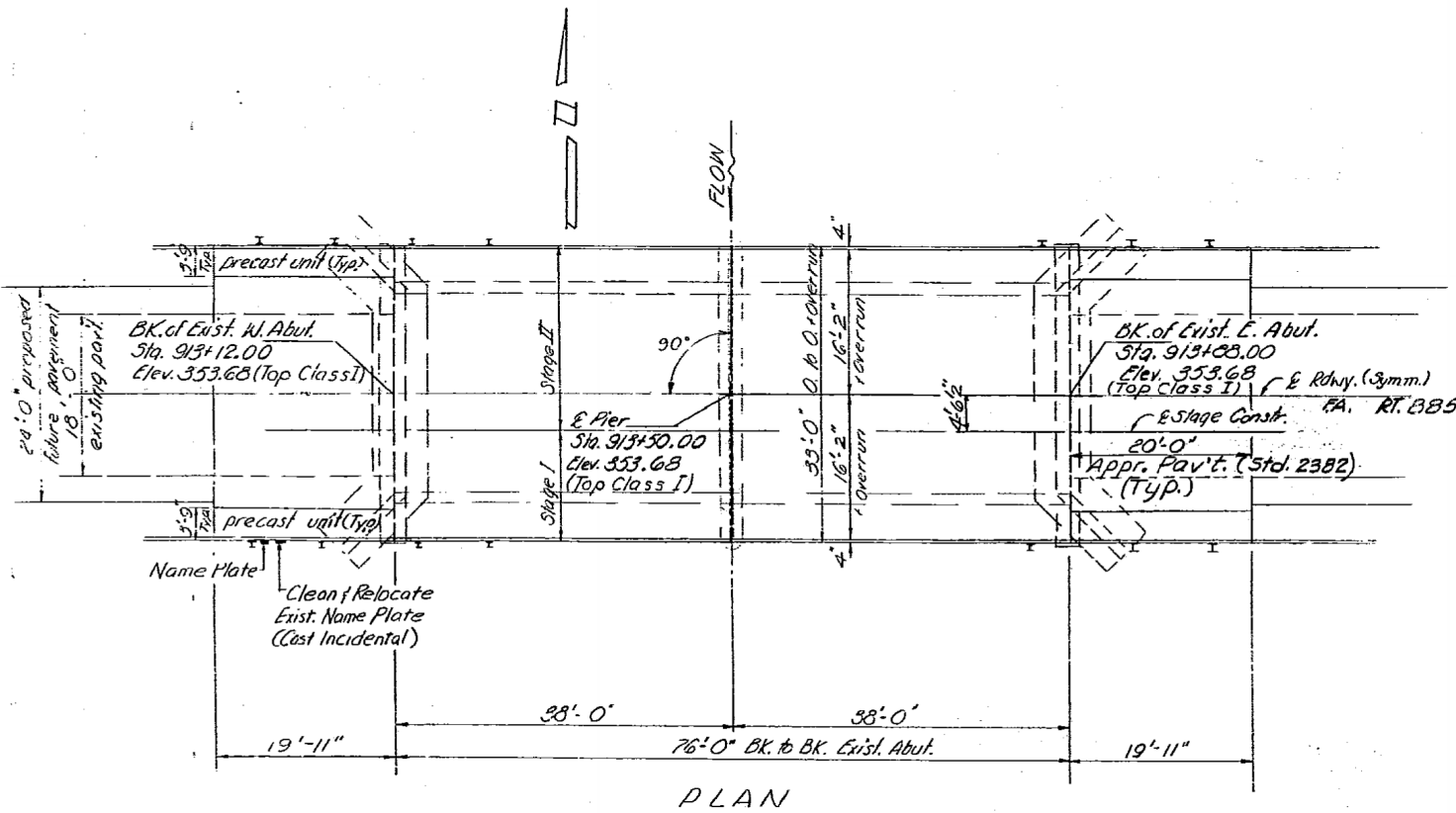
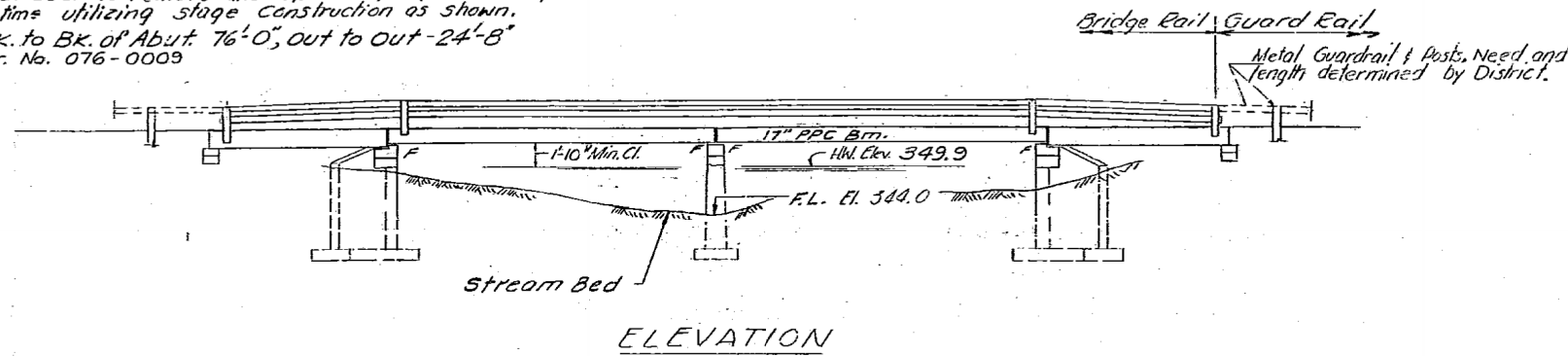


BM: Sq. Cut in So. West corner of bridge, 12' ft. Sta. 913+25 El. 353.46
 Existing Structure: R.C.D.G. 2 Spans @ 33'-0" each with R.C. Closed Abutts.
 Built as S.D.I. Rt. 146, Sec. 112 B, in 1928 @ Sta. 913+50.00
 Contractor to remove and replace superstructure a portion at a time utilizing stage construction as shown.
 Bk. to Bk. of Abut. 76'-0", Out to Out - 24'-8"
 Str. No. 076-0009

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112B-DR	DR	Peoria	16	9
SHEET NO. 1 8 SHEETS				



STATION 913+50.00
 REBUILT 198 BY
 STATE OF ILLINOIS
 F.A. RT. 885 SEC. 112 B-DR
 F.A. PROJECT BH-F-885(12)
 LOADING HS20
 * STR. NO.

NAME PLATE
 (See Std. 2113)
 * Structure No. to be supplied by the District.

GENERAL NOTES

Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 505.07(c) of the Standard Specifications and are included in quantity of structural steel.
 Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specification except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners and the top edge of keys shall be rounded or chamfered a min. of 1/4".
 Expansion bolts shall consist of approved expansion anchors providing min. certified proof load = 4,080 lbs., and 3/4" x 12" hooked bolts.
 Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.
 Shoulder transition to wingwall shall be shaped with broken concrete. Cost incidental.
 A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

TOTAL BILL OF MATERIAL

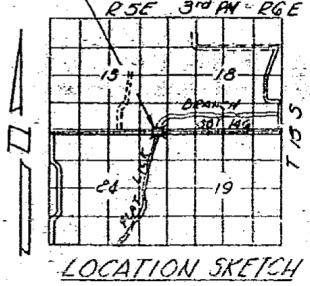
Item	Unit	Super	Sub.	Total
Concrete Removal	Cu. Yds.	12.2		12.2
Expansion Bolts (3/4")	Each		64	64
Class X Concrete	Cu. Yds.		25.2	25.2
Precast Concrete Bridge Slab	Sq. Ft.	299		299
P.P.C. Deck Bms. (17")	Sq. Ft.	2500		2500
Steel Railing, Type S-1	Lin. Ft.	232		232
Reinforcement Bars	Lbs.		2970	2970
Removal of Exist. Superstrg.	Each	1		1
Waterproofing Membrane System	Sq. Yds.	293		293
Bit. Conc. Surf. Course Class I	Tons	25		25
Temporary Bridge Rail	Lin. Ft.	116		116
Name Plates	Each	1		1
P.C. Mortar Fairing Course	Lin. Ft.	758		758

NEW CONSTR. LOADING HS20-44

PRECAST PRESTRESSED UNITS
 $f_c = 5,000$ psi Allow 25% aft. for future W.S.
 $f_{ci} = 4,000$ psi
 $f_s = 270,000$ psi (2 Strands)
 $f_{st} = 189,000$ psi (2 Strands)

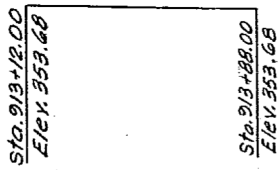
FIELD UNITS PRECAST UNITS

$f'_c = 3500$ (Sub.) $f_c = 4500$ psi
 $f_y = 60,000$ psi Reinf. $f_c = 1800$ psi
 $f_s = 20,000$ psi
 Design Specification 1977 A.A.S.H.T.O.
 78, 79, 80, 81 Interim Specs. as applicable.



GENERAL PLAN & ELEVATION
 PROJECT RF-161(18)
 F.A. RT. 885 OVER FLAT LICK BRANCH
 F.A. RT. 885 (S.B.I. 146) SEC 112 B-DR
 PEORIA COUNTY
 STATION 913+50.00

0.00% Grade



PROFILE GRADE

FOR INFORMATION ONLY

WATERWAY INFORMATION

Drainage Area 4.27 Sq. Mi. Low Grade Elev. 352.63' @ Sta. 926+00

Flood	Freq. Yr.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater EL.		
		Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	50	3322	318	318	349.9	2.85	2.85	352.75	352.75
Base	100	3847	339	339	350.2	3.09	3.09	353.29	353.29
Overtopping	50	3322	318	318	349.9	2.85	2.85	352.75	352.75
Max. Calc.	500								

DESIGNED	DECEMBER 28 1970
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	DIRECTOR OF HIGHWAYS

Rev. 3-8-71 NCC Rev. 9-10-71 WH Rev. 2-15-75 HYL Updated-3-27-81 BYG Updated-10-7-81 BYG Rev. 5-18-83 SKD



USER NAME = has
 ESCA PROJECT NO. 988.12
 PLOT SCALE = 0.1667' / IN.
 PLOT DATE = 8/2/2013 11:42:36 AM

DESIGNED - JMS
 DRAWN - HAS
 CHECKED - RDP
 DATE - 03/13

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS - FOR INFORMATION ONLY
 STRUCTURE NO. 076-0009

SCALE: SHEET NO. 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	112B-1	POPE	56	44
CONTRACT NO. 78230				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				