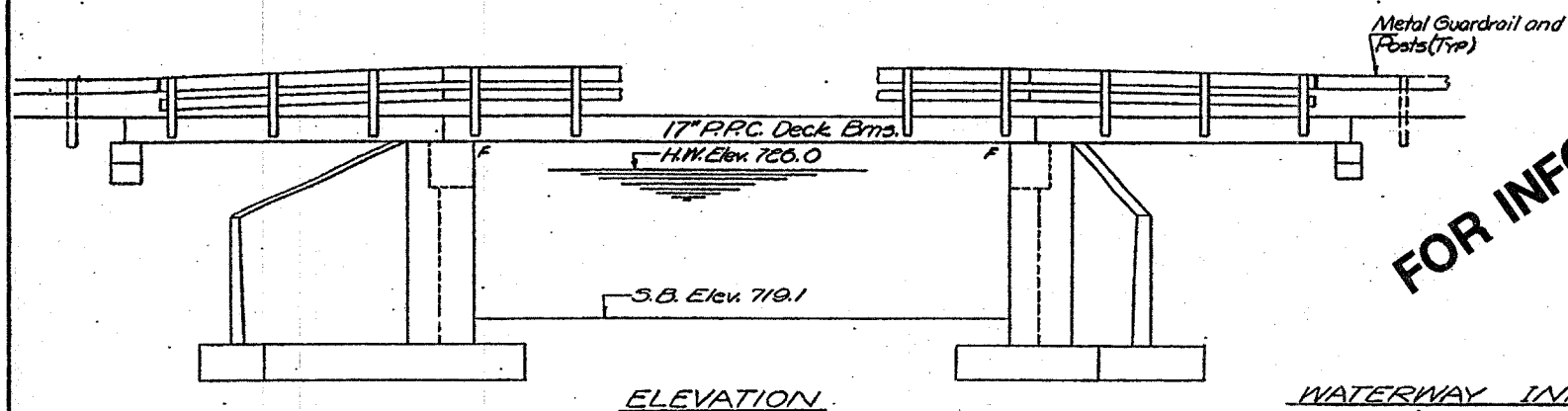


B.M. Chiseled on the East wingwall at Sta. 70+13.20
 Exist. Structure: Built as 36" R.C. Deck Girders, Substr. is R.C. Closed
 Abutments. Superstr. to be removed by Bridge Contractor.
 No Salvage.
 Traffic to be maintained by using stage construction.

STATE OF ILLINOIS

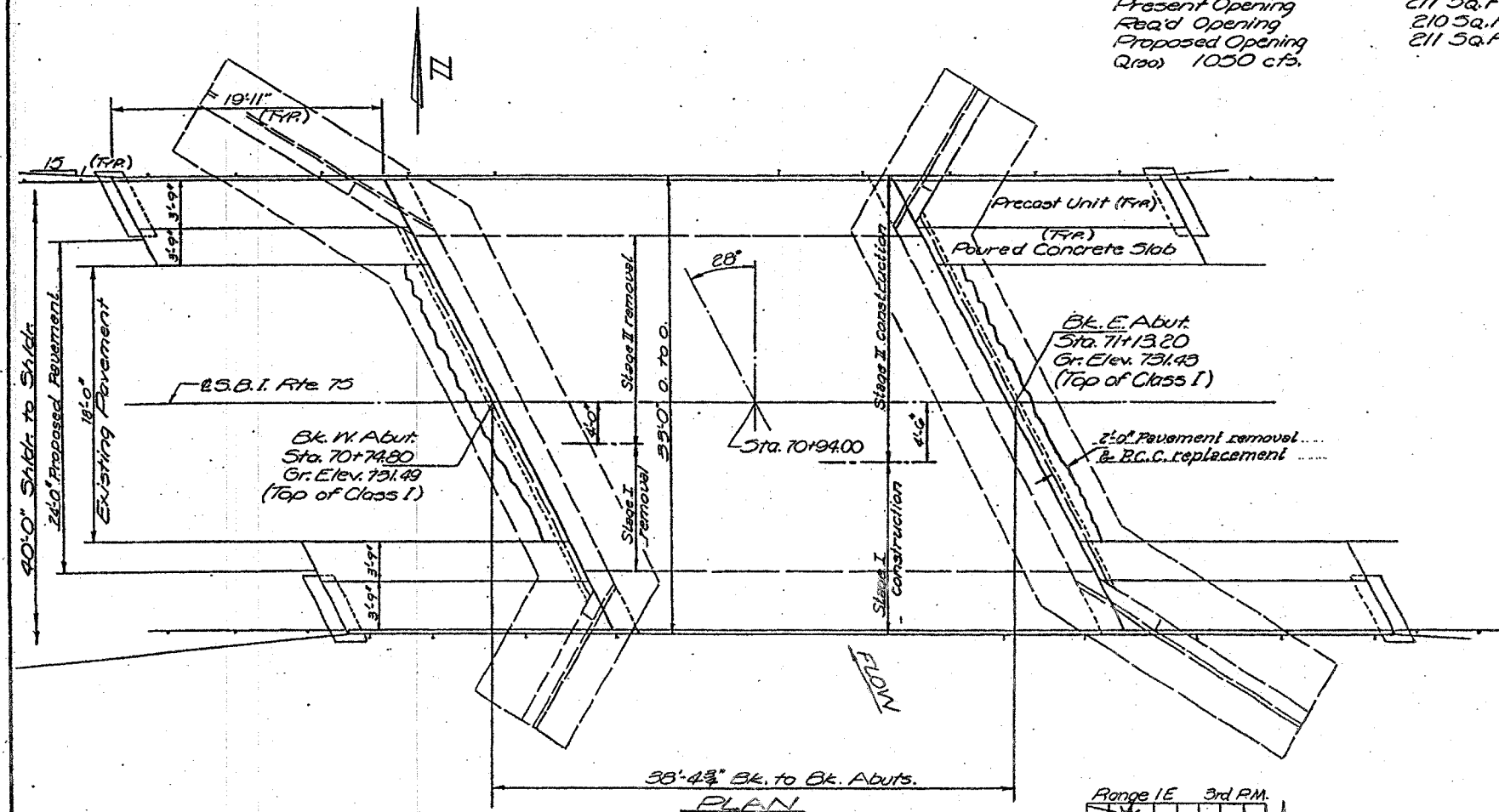
PROJECT NO.	SECTION	COUNTY	TOWNSHIP	RANGE	SHEET NO.
1178A	WHITESBORO	8	3		1
					6 SHEETS



ELEVATION

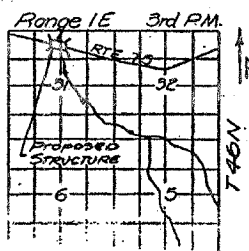
FOR INFORMATION ONLY

WATERWAY INFORMATION
 Drainage Area: 5750 Acres
 Character: level, rolling, sand, clay, cultivated
 Present Opening: 211 Sq. Ft.
 Road Opening: 210 Sq. Ft.
 Proposed Opening: 211 Sq. Ft.
 Q₁₀₀: 1050 cfs.



DESIGN STRESSES

FIELD UNITS PRECAST PRESTRESSED UNITS
 f_c = 1000 psi (Sub.) f_c = 5000 psi
 f_s = 20000 psi (Reinf.) f_c = 4000 psi
 v_c = 75 psi (Footings) f_s = 248000 psi
 n = 10 f_s = 175620 psi



GENERAL NOTES
 All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
 It shall be the responsibility of the Contractor to verify all dimensions & conditions existing in the field prior to construction & ordering of materials.
 An alternate strand pattern using Extra High Strength prestressing strand (270 k.s.i.) is permitted.
 Expansion bolts shall consist of self-drilling expansion shields & 3/8" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete except as otherwise shown.
 Shoulder transition to wingwall shall be shaped with broken concrete - cost incidental.
 Limits of coal tar interlayer protective coat shall be from 2' back of abutments & out to out of deck.

BILL OF MATERIAL

ITEM	UNIT	SUB.	SUPER.	TOTAL
Portland Cement Concrete Pavement (10')	Sq. yds.			33
Pavement Fabric	Sq. yds.			33
Concrete Removal	Cu. yds.	10.4		10.4
Expansion Bolts (3/8")	Each	56	48	104
Class X Concrete	Cu. yds.	14.8	1.8	16.6
Precast Concrete Bridge Slab	Sq. ft.			239
Precast Prestressed Concrete Deck Beams (17")	Sq. ft.			1261
Steel Bailing, Type W	Lin. ft.		138	138
Reinforcement bars	Lbs.	2,120		2,120
Pavement Removal & R.C.C. Replacement, Type 2 (10')	Sq. yds.			9
Removal of Existing Superstructures	Each			1
Coal Tar Interlayer Protective Coat	Sq. yds.			158
Bituminous Concrete Surface Course	Tons			16
Temporary Guardrail	Lin. ft.		39	39

GENERAL PLAN & ELEVATION

DESIGNED: *D. McDaniel*
 CHECKED: *M. Chittum*
 EXAMINED: *C. E. Hummer*
 PASSED: *H. G. Dammann*
 APRIL 27 1971