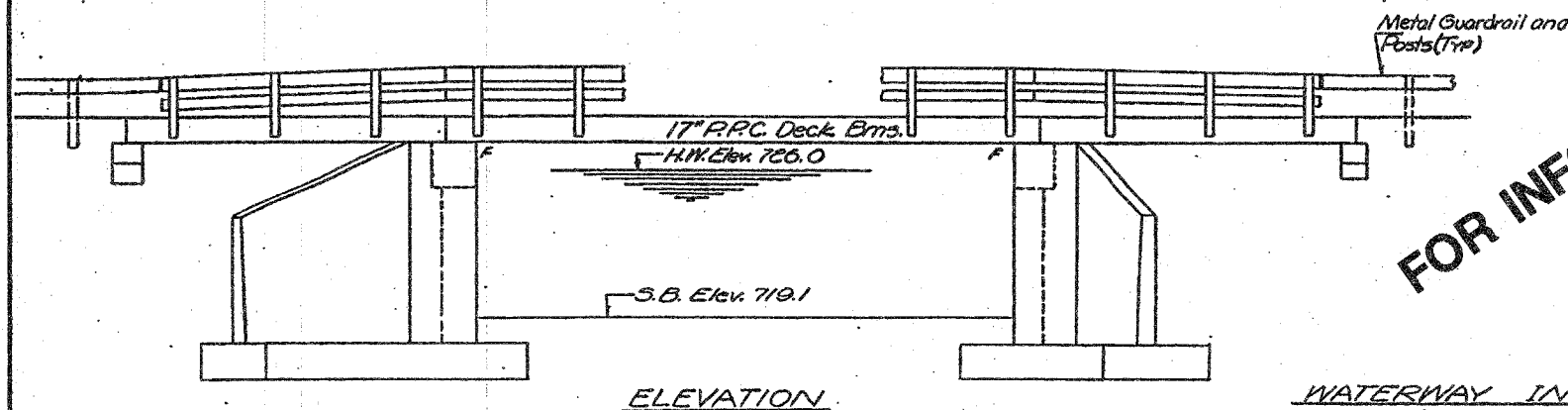


B.M. is chiseled on the East wingwall at Sta. 71+13.20
 Existing Structure: Built as RC Deck Girder, Substr. is RC Closed
 Abutments: Superstr. to be removed by Bridge Contractor.
 No Salvage.
 Traffic to be maintained by using stage construction.

STATE OF ILLINOIS

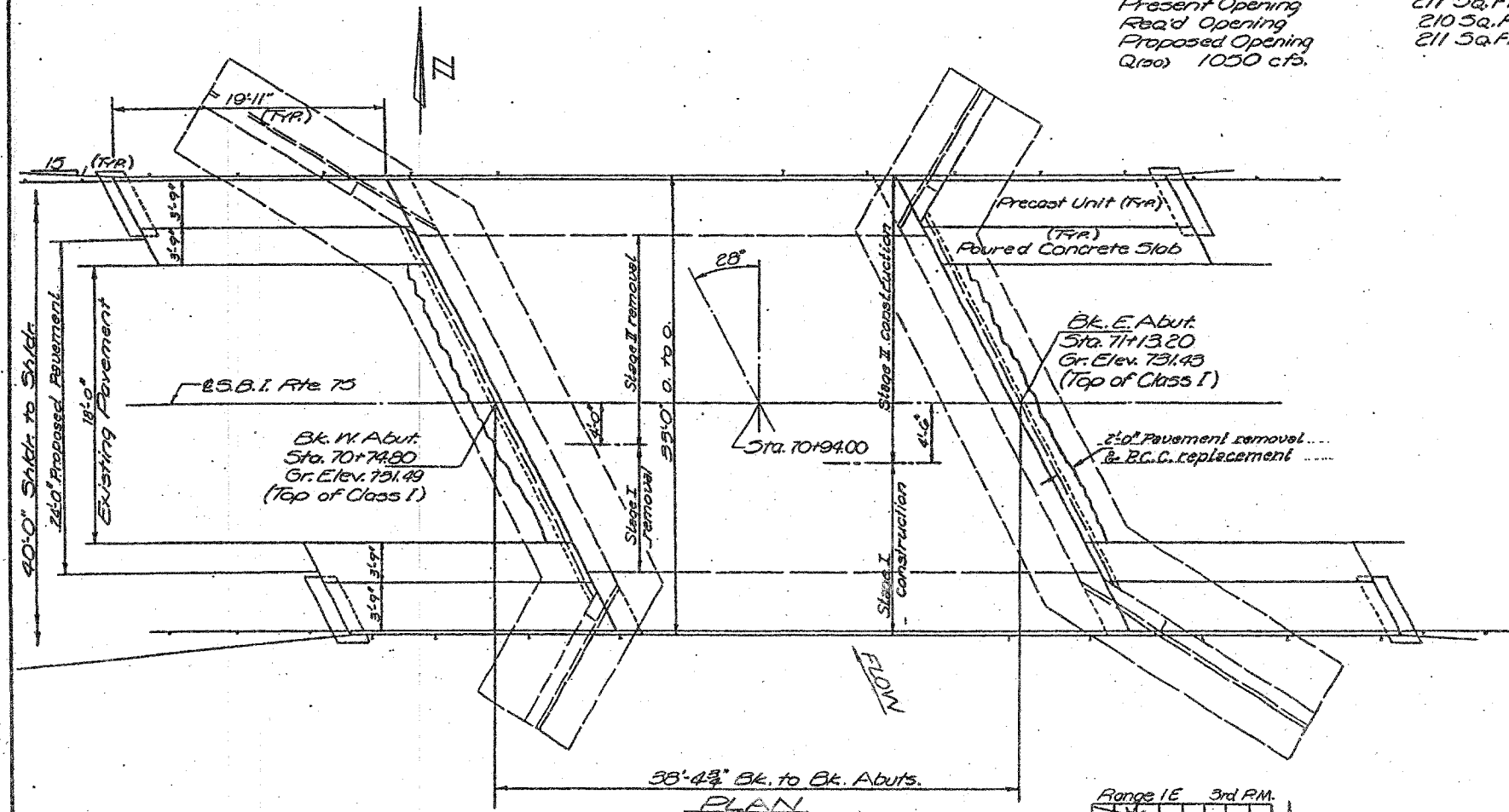
DATE	DESIGN	CHECKED	APPROVED	SHEET NO.
1971	11/28	WHEBER	8	3
PROJECT NO. 7				DATE
1971				11/28



ELEVATION

FOR INFORMATION ONLY

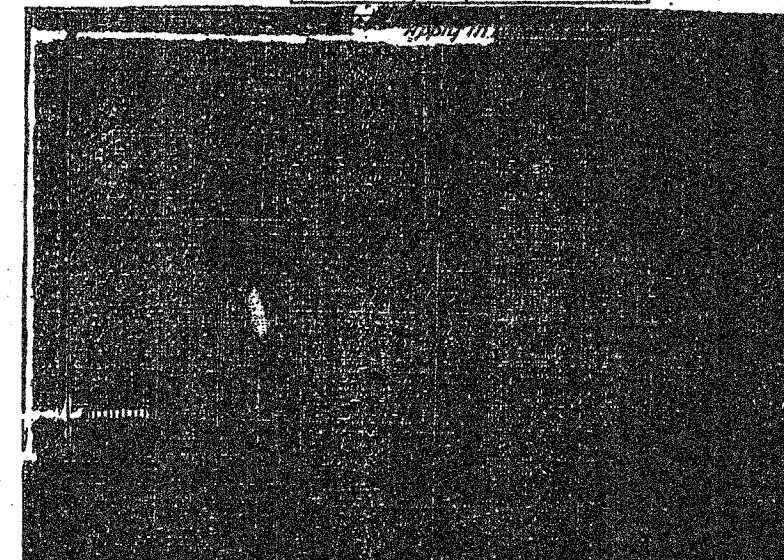
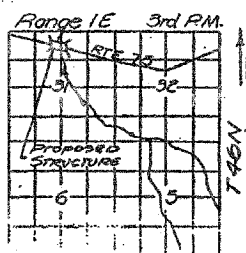
WATERWAY INFORMATION
 Drainage Area: 5750 Acres
 Character: level, rolling, sand, clay, cultivated
 Present Opening: 211 Sq. Ft.
 Road Opening: 210 Sq. Ft.
 Proposed Opening: 211 Sq. Ft.
 Q100: 1050 cfs.



PLAN

DESIGN STRESSES

FIELD UNITS PRECAST PRESTRESSED UNITS
 Fc = 1000 psi (Sub.) Fc = 5000 psi
 Fc = 20000 psi (Reinf.) Fc = 4000 psi
 Fc = 75 psi (Footings) Fc = 248000 psi
 Fc = 10 Fc = 175600 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 - cast incidental.
- Limits of coal tar interlayer protective coat shall be from 2' back of abutments to 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	50	48	104
Class X Concrete	Cu. Yds.	14.8	1.8	16.6
Precast Concrete Bridge Slab	Sq. Ft.			299
Precast Prestressed Concrete Deck Beams (17')	Sq. Ft.			1,201
Steel Railings, Type W	Lin. Ft.		138	138
Reinforcement bars	Lbs.	2,120		2,120
Pavement Removal & P.C.C. Replacement, Type 2 (10')	Sq. Yds.			9
Removal of Existing Superstructures	Each			1
Coal Tar Interlayer Protective Coat	Sq. Yds.			138
Bituminous Concrete Surface Course	Tons			10
Temporary Guardrail	Lin. Ft.		39	39

GENERAL PLAN & ELEVATION

DESIGNED: [Signature]
 CHECKED: [Signature]

EXAMINED: [Signature]
 PASSED: [Signature]

April 27 1971