B.M. Chiseled square in N.W. Wingwall. Elev. 100.00
Existing Structure - Built in 1924 as S.B.I. Rt. 9 Section 37B Sta. 564+91. R.C.D.G. Super. to be removed utilizing stage construction. No salvage. R.C. Abut. caps to be rebuilt and widened.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Route	Section	County	Total Sheets	Sheet No.
F.A.S. 9	37 BR	McDonough	11	6

Sheet No. 1
7 Sheets

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 and conditions existing in the field prior to construction and 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 anchors and ¾"Ø x 12" hooked bolts.

Shoulder transition to wingwall shall be shaped with broken concrete. Cost incidental.

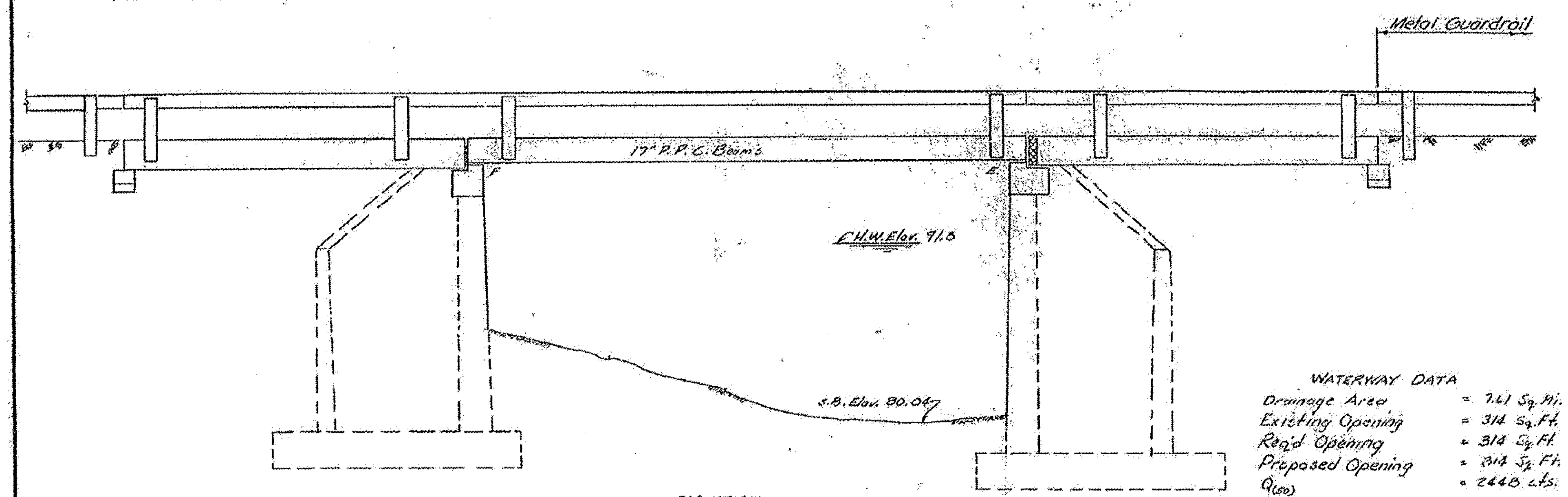
Expansion guards shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.

For Waterproofing Membrane System see Special Provisions.

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

All Structural Steel shall be shop painted with Two coats of basic lead silico chromate paint.

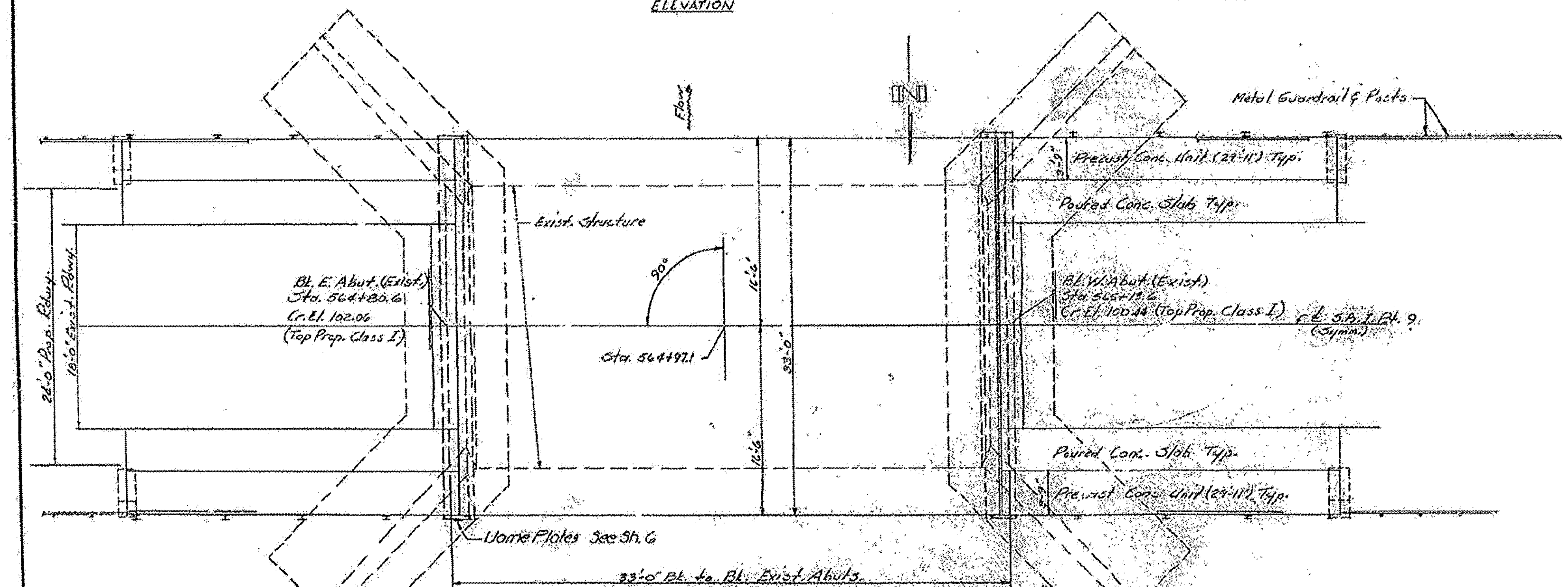
FOR INFORMATIONAL PURPOSES ONLY



ELEVATION

WATERWAY DATA

Drainage Area	= 7.61 Sq. Mi.
Existing Opening	= 314 Sq. Ft.
Req'd Opening	= 314 Sq. Ft.
Proposed Opening	= 314 Sq. Ft.
$Q_{(50)}$	= 2448 cfs.



PLAN

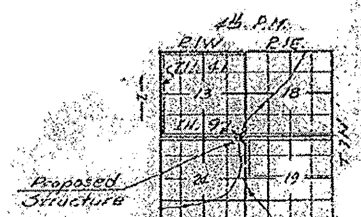
PRECAST PRESTRESSED UNITS
f'_c = 5000 p.s.i.
f'_{ci} = 4000 p.s.i.
f'_s = 248,000 p.s.i. (7/16" strands)
f_{si} = 173,600 p.s.i. (7/16" strands)

PRECAST UNITS
f'_c = 4,500 p.s.i.

FIELD UNITS
f_c = 1,400 p.s.i. (Sub.)
f_s = 20,000 p.s.i. (reinf.)
n = 10
Allow 25#/□' for future wearing surface
Design Specifications AASHO, 1969 as applicable

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Portland Cement Mortar Fairing Course	Lin. Ft.	315		315
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yds.		6	6
Class X Concrete	Cu. Yds.	0.7	16.6	17.3
P.P.C. Deck Beams 17"	Sq. Ft.	1067		1067
Steel Railing (Type S)	Lin. Ft.	187		187
Reinforcement Bars	Lbs.	110	2660	2770
Waterproofing Membrane System	Sq. Yds.	120		120
Preformed Joint Sealer 2"	Lin. Ft.	33		33
Pav't. Removal and P.C.C. Replacement Type I (10)	Sq. Yds.	8		8
Precast Conc. Bridge Slab	Sq. Ft.	449		449
Portland Cement Concrete Pavement 10"	Sq. Yds.	50		50
Pavement Fabric	Sq. Yds.	50		50
Expansion Bolts ¾Ø	Each	76	50	126
Temporary Guardrail	Lin. Ft.	33		33
Structural Steel	Lbs.	2290		2290
Name Plates	Each	1		1
Bituminous Concrete Surface Course Class I	Tons	59		59



LOCATION SKETCH

GENERAL PLAN & ELEVATION
BRIDGE OVER LOST GROVE CREEK
SBI RT 9 SEC 37BR
MC DONOUGH COUNTY

STATION 564+91.00
REBUILT 19 BY
STATE OF ILLINOIS
SBI RT 9 SEC 37BR
LOADING HS 20

DESIGNED	J.T. Anning
CHECKED	J.M. Patel
DRAWN	
CHECKED	J.M.P.

EXAMINED June 3 1971
PASSED
APPROVED