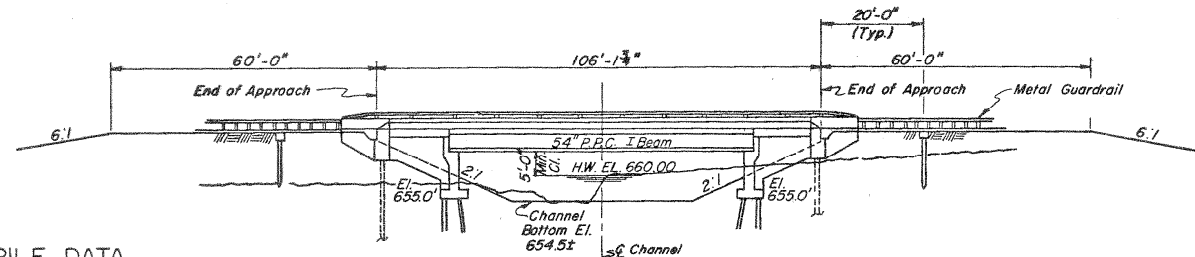


AS-BUILT PLANS - S.N. 074-0063 & 074-0064 FOR INFORMATION ONLY

B.M. 39c - Top of Nail in fence Post on the West Side of Wildcat Creek Sta. 1281+15.380 ft. Left Elev. 660.64.

STATE OF ILLINOIS

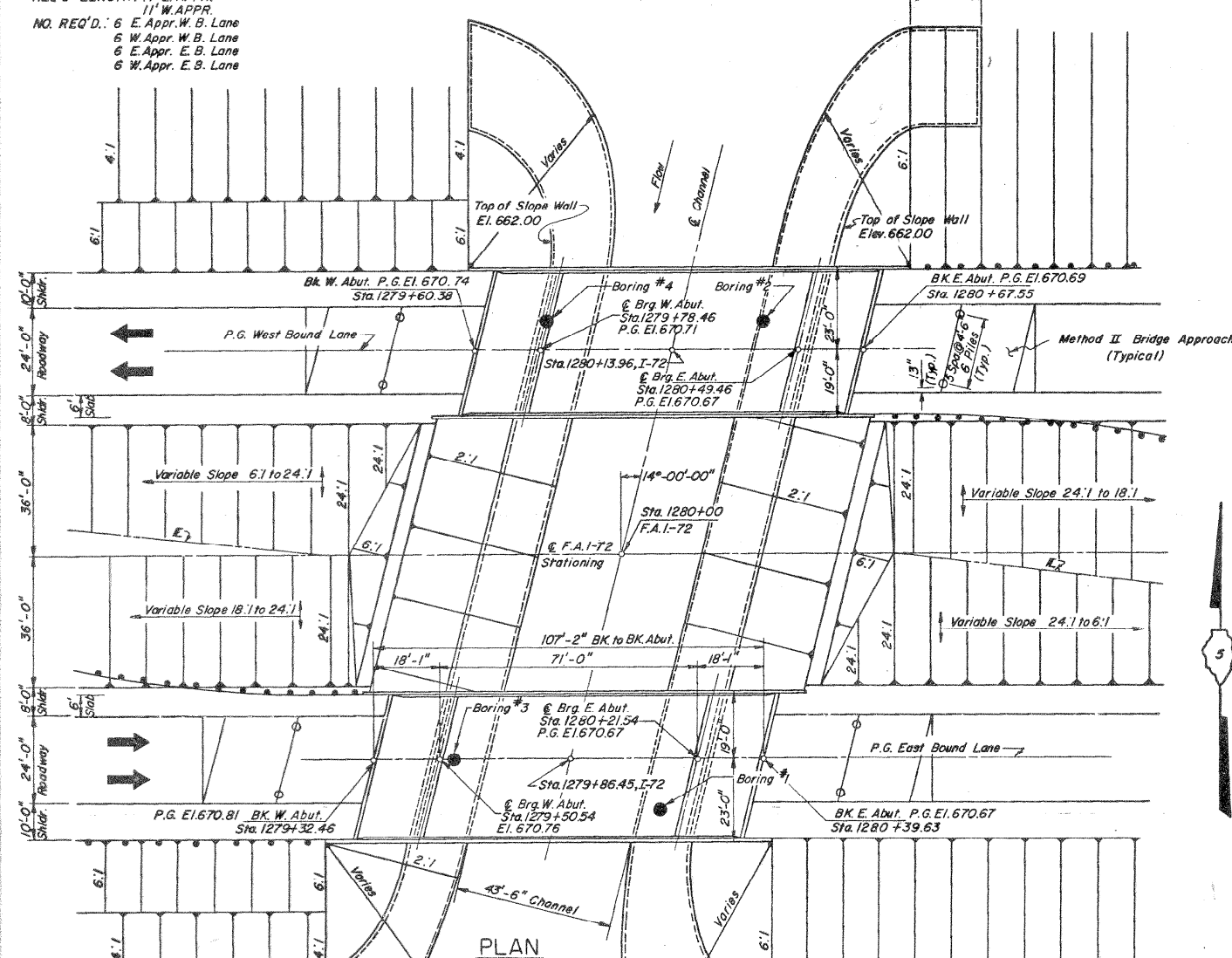
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / SHEETS 15
S.B.L.	74-68-B	PIATT	294	78	
F.A.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



APPROACH PILE DATA

TYPE: Crossed
 REQ'D LENGTH: 11' E APPR.
 11' W APPR.
 NO. REQ'D: 6 E. Appr. W.B. Lane
 6 W. Appr. W.B. Lane
 6 E. Appr. E.B. Lane
 6 W. Appr. E.B. Lane

ELEVATION

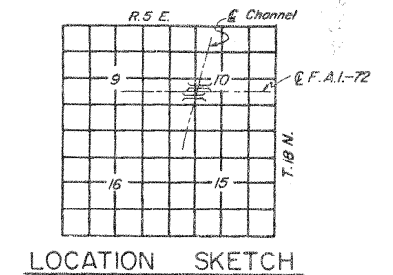


PLAN

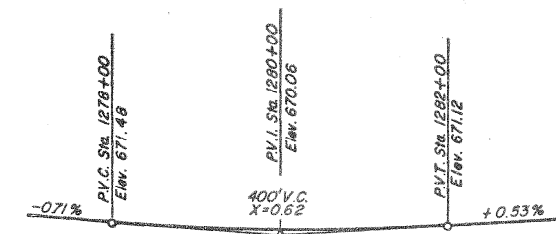
DESIGNED	WDT
CHECKED	RWW
DRAWN	G.A.S.
CHECKED	RWW

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Class X Concrete	Cu. Yd.	305.2	320.4	625.6
Aluminum Railing	Lin. Ft.	460		460
Furnishing & Erecting P.P.C. I-Beams 54 in.	Lin. Ft.	868		868
Reinforcement Bars	lbs.	82920	29920	112840
Protective Coating	Sq. Yd.	163		163
Bituminous Concrete Surface Course - Class I	Ton	76		76
Coal Tar Interlayer	Sq. Yd.	903		903
Structure Excavation	Cu. Yd.		187	187
Furnishing Concrete Piles	Lin. Ft.		3186	3186
Sand Backfill	Cu. Yd.		338	338
Furnishing Crossed Piles	Lin. Ft.		264	264
Driving Concrete Piles	Lin. Ft.		3186	3186
Test Piles, Concrete	Ea.		2	2
Driving Timber Piles	Lin. Ft.		264	264
Name Plates	Ea.		2	2
Preformed Joint Sealer 2 1/2"	Lin. Ft.	174		174
Slope Wall (6 inch)	Sq. Yd.		2800	2800



LOCATION SKETCH



PROFILE FAI-72

(Top of C.I. I., & Rdwy.)

PROFILE WILDCAT CREEK

(Top of C.I. I., & Rdwy.)

FIELD DESIGN STRESSES

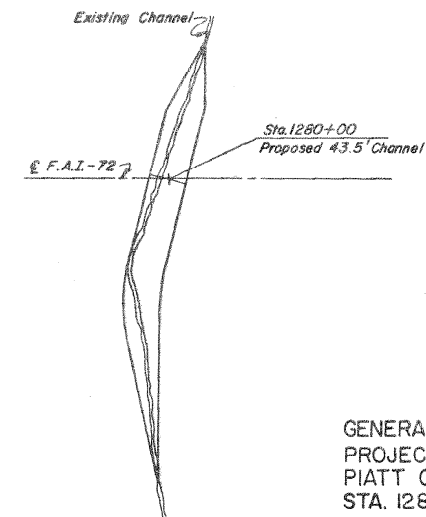
$F_c = 1400$ psi Curb, Parapet & Substructure
 $F_c = 1200$ psi Deck
 $V_c = 75$ Psi Footing
 $F_s = 20,000$ psi Reinforcing
 $n = 10$
 $LL \text{ Deflection} = \frac{L}{1000}$
 Loading HS 20-44 All. M-20.
 Allow. 25th Sq. ft. future wearing surface

P.P.C. DESIGN STRESSES

$F_c = 5000$ psi
 $F'_c = 4000$ psi
 $F'_s = 270,000$ psi ($\frac{3}{8}$ " ϕ Strands)
 $F'_s = 188,700$ psi ($\frac{1}{2}$ " ϕ Strands)

WATERWAY INFORMATION

Drainage Area - 6.8 Sq. Miles
 Character - 65% Cultivated, 30% Pasture, 5% Timber
 Req'd Opening - 300 Sq. Ft.
 Proposed Opening - 300 Sq. Ft.
 $Q(50) = 1500$ cfs.



CHANNEL SKETCH

APPROVED
 FOR STRUCTURAL AGENCY ONLY
 Louis Paul Moeck
 Registered Structural Engineer
 of Illinois

GENERAL PLAN & ELEVATION
 PROJECT F.A.I.-72 SEC. 74-68-B
 PIATT COUNTY
 STA. 1280+00.00 (F.A.I.-72)