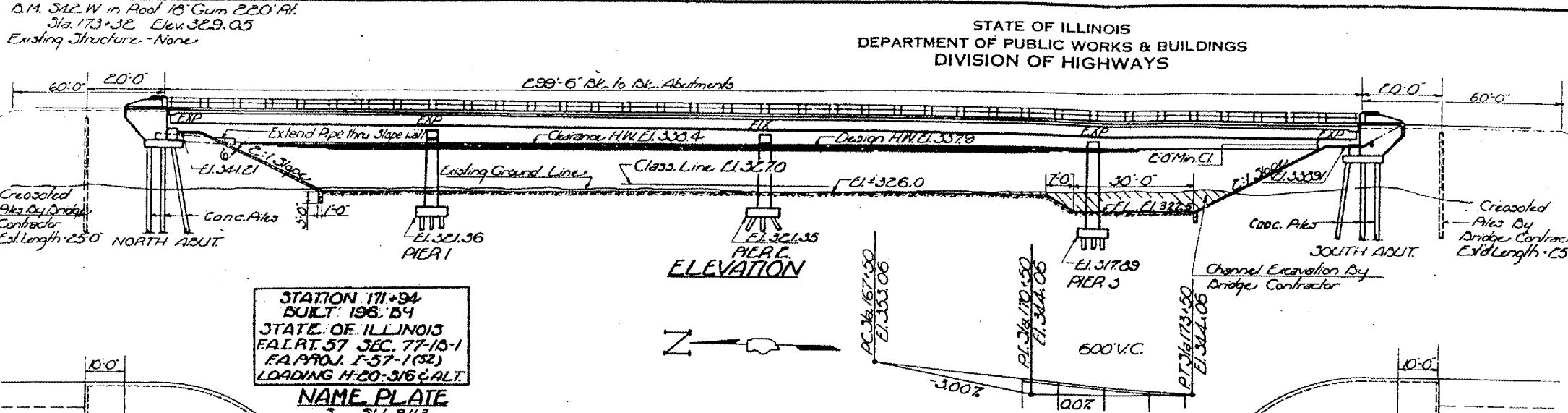


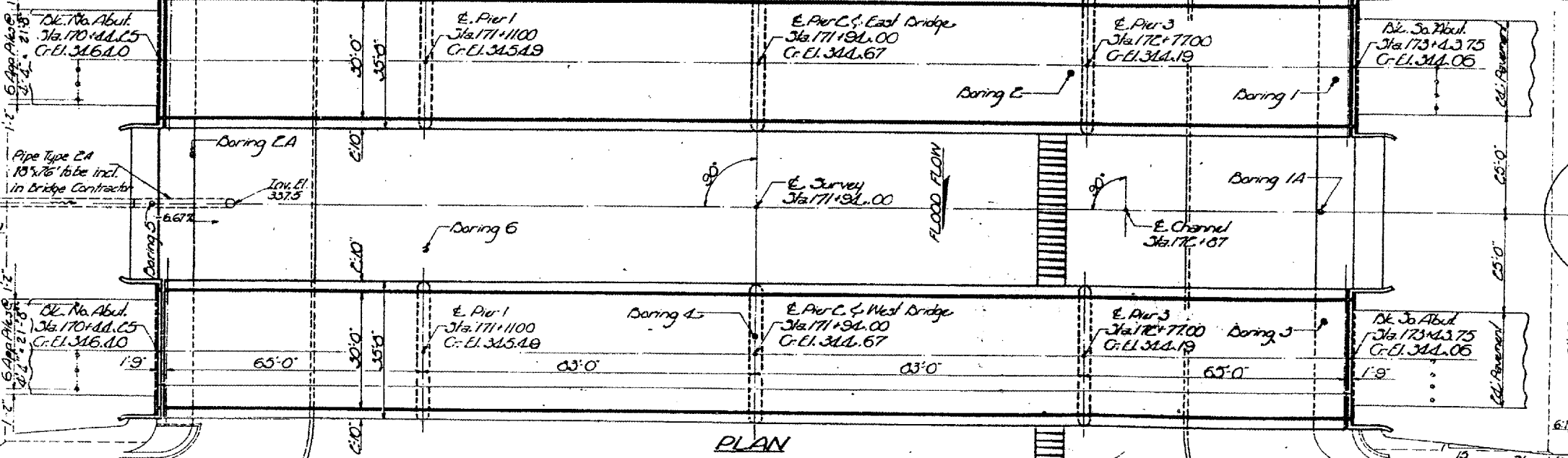
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	77-10-1	Polaski	22	6
SHEET NO. / 10 SHEETS				

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS



WATERWAY INFORMATION
 Drainage Area: 534.39 Miles
 Character: Heavily overgrown flood plain.
 Proposed Opening: 3000 Sq. Ft.
 Total W.W. Opening Req'd. for 534.39 Mi - 3000 Sq. Ft.
 Cache River (20%) = 600 Sq. Ft.
 Cache River Overflow (80%) = 3000 Sq. Ft.

VERTICAL CURVE DATA



GENERAL NOTES

Class X Concrete shall be used throughout except Class A Concrete shall be used in piers.
 Handrail Concrete shall be used in handrails.
 The concrete floor slab shall be finished in accordance with Article 5119 of the Standard Specifications.
 Slope wall shall be reinforced with welded wire fabric 6x6 mesh, 1/4" wires, weighing 50# per 100 sq. ft.
 Layout of slope walls may be varied to suit ground conditions in the field, as directed by the Engineer.
 Piers 2 & 3, Open holes 18" dia, unless noted.
 All structural steel shall conform to ASTM Spec. A-36.
 Railings shall be adjusted to true alignment after curbs have been poured.
 All bolts, rockers, bearing plates, base plates, girders and anchor bolts shall be fabricated and set in accordance with Article 5115 of the Standard Specifications and are included in quantity of Structural Steel, Est'd Wt. 10,000#.

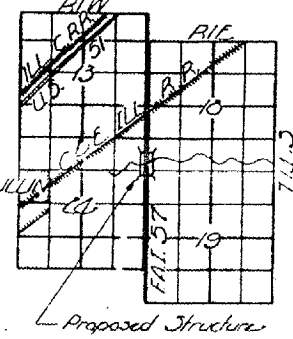
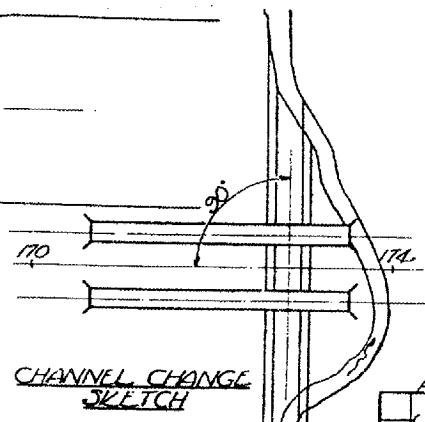
Anchor bolts shall be set before riveting diaphragms over supports.
 All steel handrail posts shall be vertical.
 Expansion guards shall be fabricated and erected in accordance with Article 5113(d) of the Standard Specifications.
 Expansion guards are included in quantity of Structural Steel, Est'd Wt. 5430#.
 Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint, See Articles 56.1 to 56.5 inclusive of the Standard Specifications.
 All paint shall be finished and applied by the Contractor.
 The Contractor shall drive C. Concrete Test Piles in permanent locations, one at North Abut. of East Bridge and one at South Abut. of West Bridge; and C. Timber Test Piles in permanent locations, one at Pier 2 of East Bridge, and one at Pier 3 of West Bridge, as directed by the Engineer before ordering or casting the remainder of piles.
 Class X Concrete in end posts must be free of chert, flint, limonite, lignite and soft sandstone.

Piles in abuts shall be driven in holes prepared through the embankment to the natural ground line in accordance with Art. 60.9.(e) of the S.F.S. Specs.

TOTAL BILL OF MATERIALS (SEC. B)

Item	Unit	Sub.	Super	Total
Channel Excavation	Cu Yd	2,557		2,557
* Class B Exc. Struct.	Cu Yd	570		570
Class A Concrete	Cu Yd	512.6		512.6
Class X Concrete	Cu Yd	154.6	586.2	740.8
Erecting & Furnishing Struct. Steel	Pound		706,960	706,960
F. & E. Metal Handrail	Lin Ft.		1,190	1,190
Reinforcement Bars	Pound	23,960	101,460	125,420
Fur. Conc. Pile 201-30	Lin Ft.	600		600
Timber Test Pile	Each	2		2
Drv. Timber Pile	Lin Ft.	5950		5950
Drv. Conc. Piles	Lin Ft.	1530		1530
Fur. Conc. Piles	Lin Ft.	1530		1530
Test Pile Concrete	Each	2		2
Name Plates	Each		2	2
Slope Wall	Sq Yd	1350		1350
Turn Untreated Piles	Lin Ft.	5350		5350
Pipe Cul. - Type 2A-18	Lin Ft.		76	76
Protective Coat	Sq Yd		2500	2500
Bridge Seat Sealant	L.5mm			1

* Includes excavation for slope wall
 † Abutments only



DESIGNED: C. Lawrence Colwell
 CHECKED: W. L. Jacobs
 DRAWN: W. L. Jacobs
 CHECKED: [Signature]

EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]

DESIGN STRESSES
 fc = 14,000 p.s.i. Super & Sub.
 vc = 75 p.s.i. Footings
 fs = 20,000 p.s.i. Piers
 fs = 10,000 p.s.i. Struct.
 n = 10

RELIEF (FOR INFORMATION ONLY:
 BRIDGE NO. 5 STRUCTURE 077-0007
 BRIDGE NO. 6 STRUCTURE 077-0008

Revised 1-2-61 In C-24, 2017 Plan, Dimensions according with one exception. Quantity of embankment at North Abut. from 9,400 to 11,900 cu yd, at South Abut. from 9,100 to 12,022 cu yd. In Total, 2,922 cu yd. Quantity of Channel, 560 cu yd from 2,557 cu yd. Embankment cut from 15,640 to 2,922 cu yd.