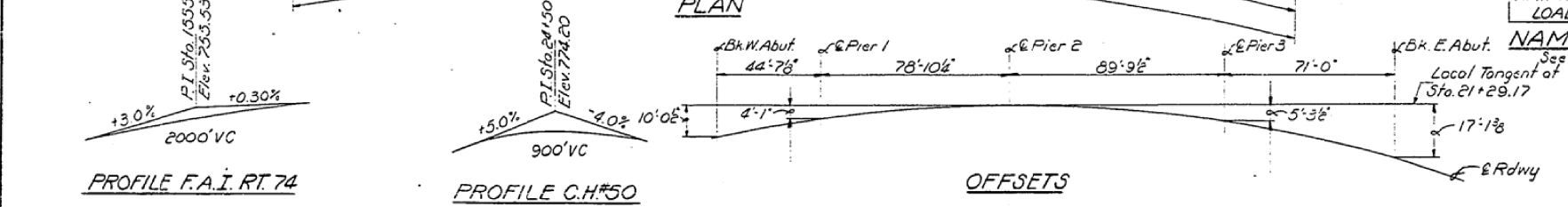
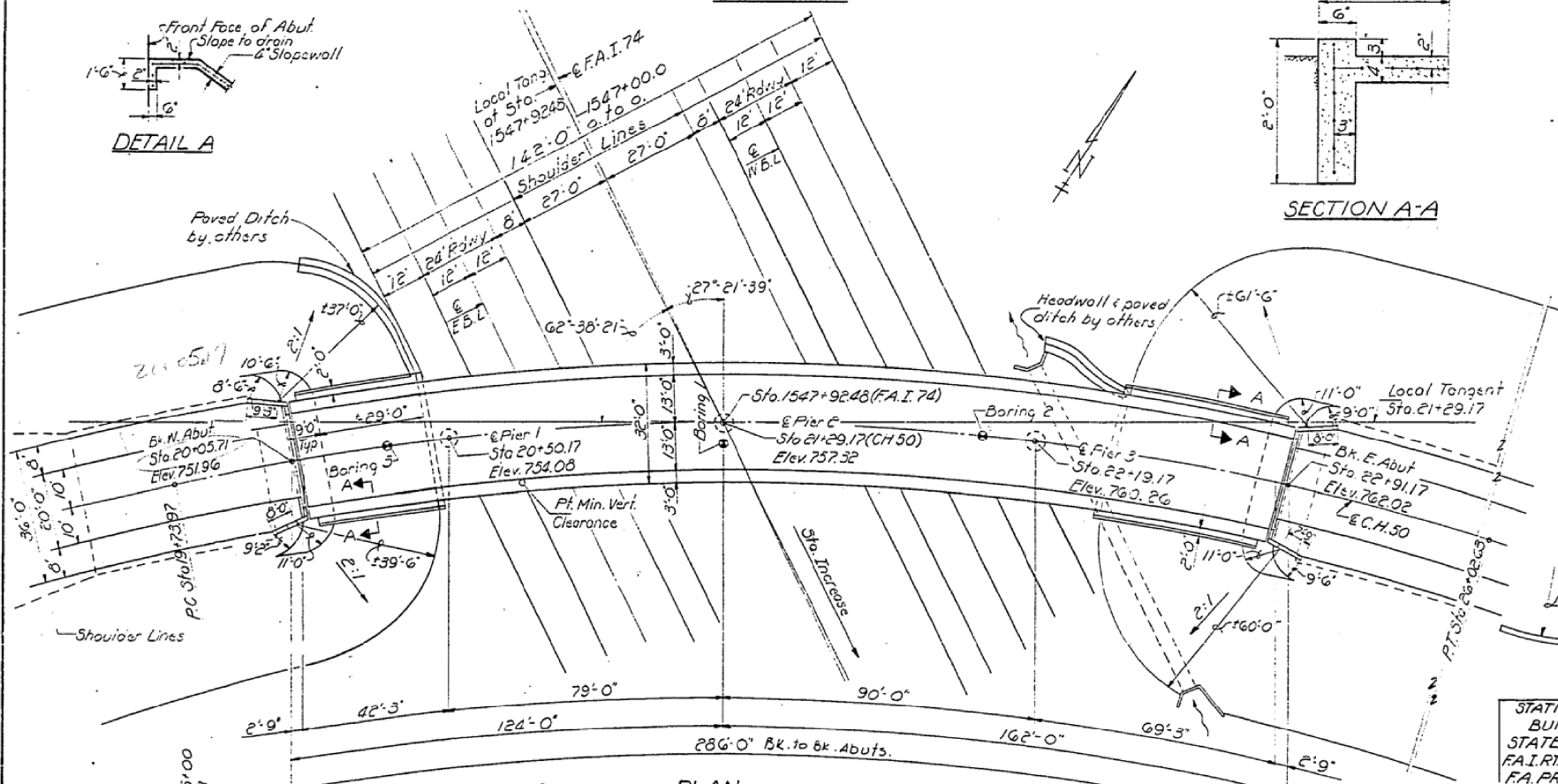
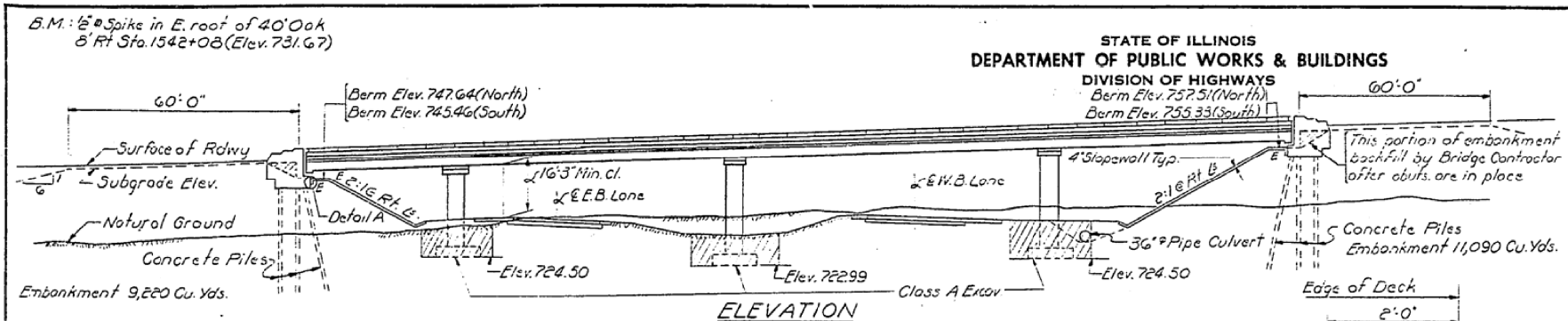


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
Berm Elev. 757.51 (North)
Berm Elev. 755.33 (South)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	10-4 HB-2	Champaign	34	7
SHEET NO. 1		18 SHEETS		



DESIGNED	EXAMINED	PASSED	APPROVED
James M. Pines	July 29 19 45	CAF	J.F. [Signature]
Checked [Signature]			
Drawn [Signature]			
Checked [Signature]			

CURVE DATA @ F.A.I. 74	CURVE DATA @ C.H. 50
$\Delta = 17^{\circ}18'40''$	$\Delta = 47^{\circ}09'00''$
$R = 5053.51'$	$R = 763.94'$
$T = 769.59'$	$T = 335.36'$
$L = 1527.45'$	$L = 628.66'$
$E = 58.24'$	$E = 69.53'$
$D = 1^{\circ}08'00''$	$D = 7^{\circ}30''$
$PI Sta. 1551+13.42$	$PI Sta. 23+07.33$
$S.E. = 0.032\%$	$S.E. = 0.08\%$ Atain S.E.
	$Sta. 18+13$ to $Sta. 20+05$

This portion of embankment backfill by Bridge Contractor after abutts are in place.

Concrete Piles Embankment 11,090 Cu. Yds.

Coarse aggregate to be used in parapet handrail and end post must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 Sq. Ft.

All reinforcement bars shall be lapped 20 diameters unless otherwise noted.

Roadway expansion guards be assembled in the shop in proper position with the ends in place and shall be left assembled for shop inspection.

The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Est. Wt. 7730 lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 inclusive of the Standard Specifications.

All structural steel shall conform to ASTM Specifications A-36 Steel.

The sequence of pouring the superstructure shall be as set forth on sheet E of these plans.

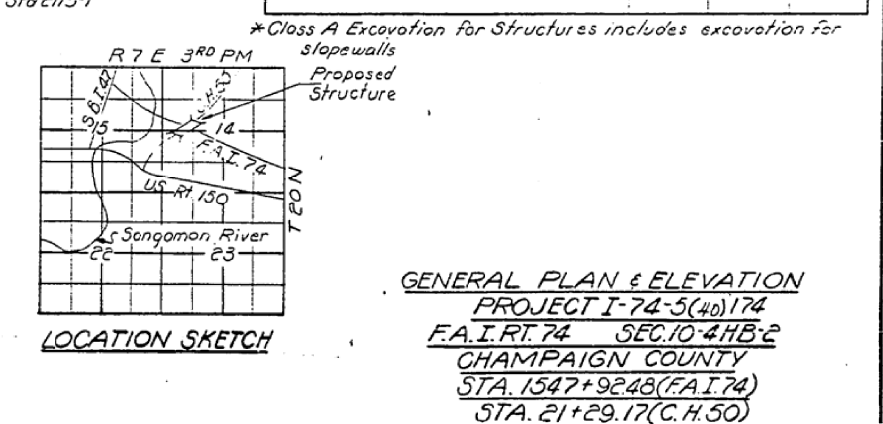
The contractor shall submit to the engineer for approval, detailed plans of the falsework for the entire structure in accordance with Article 52.5 of the Standard Specifications.

The Contractor shall drive one concrete test pile in a permanent location at the East abutment as directed by the Engineer before ordering the remainder of piers.

Concrete piles of abutments shall be driven in to be precored through the embankment in accordance with Article 60.9(c) of the Standard Specifications.

Permanent metal forms will not be permitted in forming the concrete superstructure.

Items	Units	Super	Sub	Total
* Class A Excavation for Structures Cu. Yds.		326	323	
Class X Concrete	Cu. Yds.	644.9	239.5	884.4
Structural Steel	Lbs.	11910		11910
Aluminum Handrail	Lin. Ft.	566		566
Pipe Culvert (Type 2A) 36" P	Lin. Ft.			125
Reinforcement Bars	Lbs.	208,630	43,950	252,580
Concrete Piles	Lin. Ft.		930	930
Test Pile (Concrete)	Each		1	1
Name Plates	Each		2	2
Slope Wall	Sq. Yds.			457
Cast Iron Frames	Each		1	1
Protective Coat	Sq. Yds.	1140		1140



GENERAL PLAN & ELEVATION
PROJECT I-74-5(40)174
F.A.I. RT. 74 SEC. 10-4 HB-2
CHAMPAIGN COUNTY
STA. 1547+92.48 (F.A.I. 74)
STA. 21+29.17 (C.H. 50)