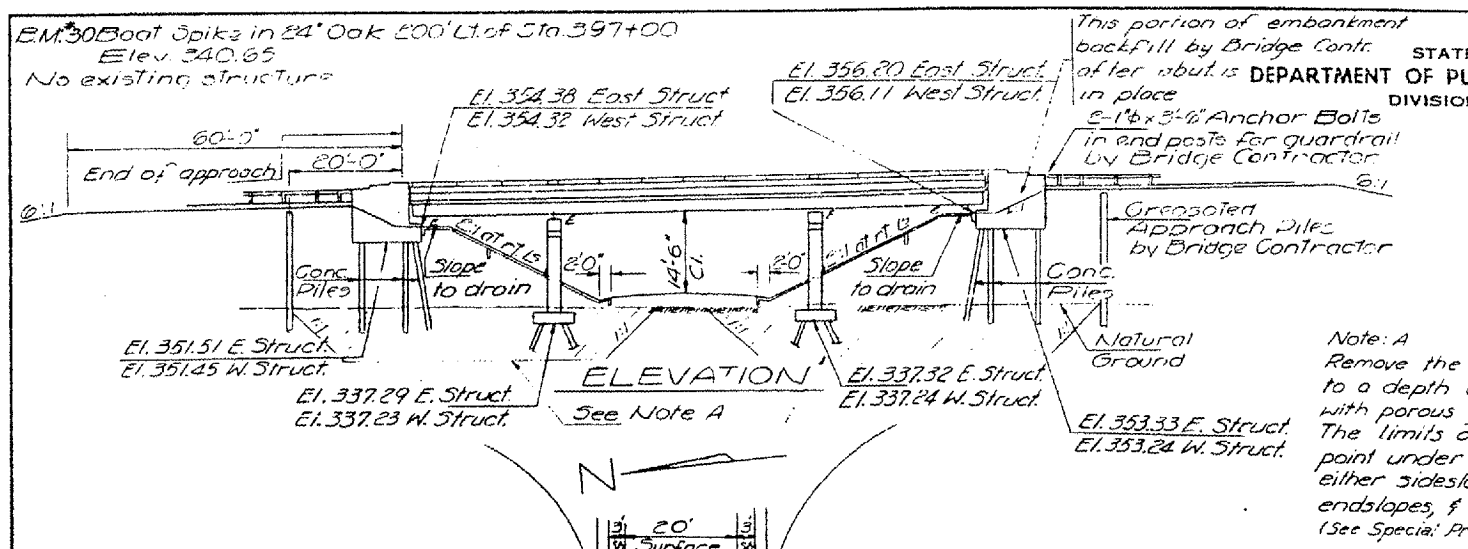


ROUTE NO.	SECTION	SHEET NO.	NO. OF SHEETS
24-34R	MASSAC 44 13	24	17



CREOSOTED APPR. PILE DATA

No. Req'd	Length
6	18' N. Abut. E. Struct.
6	21' S. Abut. E. Struct.
6	22' N. Abut. W. Struct.
6	25' S. Abut. W. Struct.

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Rivets 3/4" open holes 1/2", unless otherwise noted.

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.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of paint. See Special Provisions for field paint.

Anchor bolts shall be set before riveting diaphragms over supports.

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor on the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

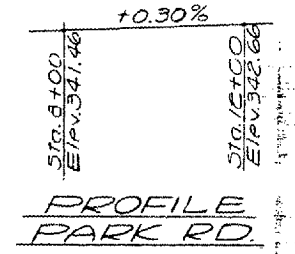
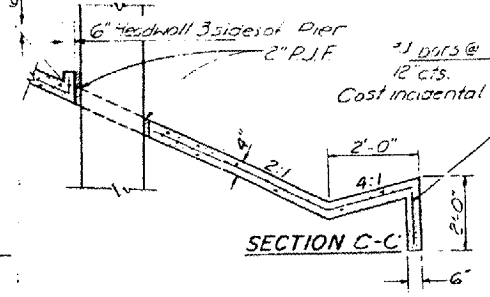
Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq. ft.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The Contractor shall drive one (1) concrete test pile in a permanent location @ the N. Abut. West Struct. & Pier 2 East Struct. as directed by the Engineer before ordering the remainder of piles.

Concrete piles at abutments shall be driven in holes pre-cored through the embankment in accordance with Art. 513.09 (c) of Standard Specifications.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.



CURVE DATA

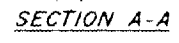
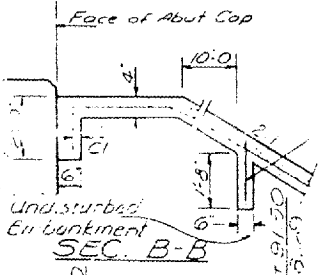
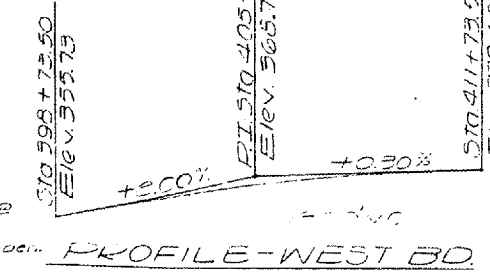
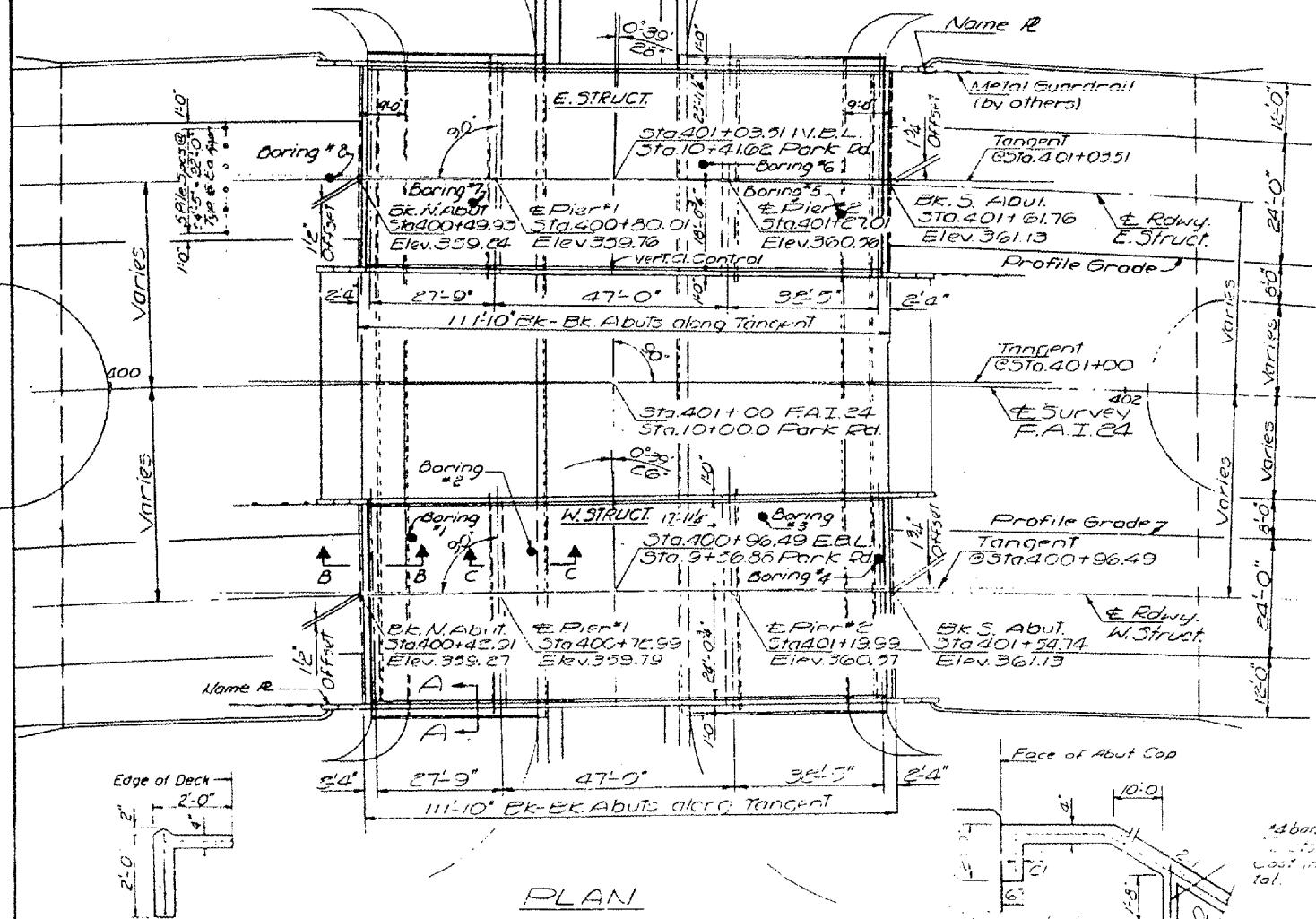
N. Ed. Lane P.I. Sta. 406+50.74
 E. Ed. Lane P.I. Sta. 409+36.72
 P.I. Sta. 408+08.73
 $\Delta = 15^\circ - 28' - 39"$
 $D = 0^\circ - 30'$
 $R = 11,459.16'$
 $L = 3,098.84'$
 $T = 1,558.93'$
 $E = 105.55'$
 $SE = 0.01311$

STATION 401+00
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A.I. RT. 24 SEC. 64-3HR-2
 F.A. PROJ 1-16-24-1(23)
 LOADING H5E0 & ALT.

NAME PLATE
 See Std. 2113-1

TOTAL BILL OF MATERIAL

Item	Super	Sub	Total
Earth Excavation Cu. Yds.		4200	4200
Porous Granular Backfill Cu. Yds.		4200	4200
Protective Coat Sq. Yds.	1190		1190
Class X Concrete Cu. Yds.	294.5	386.2	680.7
Structural Steel Lump Sum	0.26		0.26
Stud Shear Connectors Ea.	1692		1692
Aluminum Railing Lin. Ft.	434		434
Reinforcement Bars Lbs.	16,190	39,220	55,410
Creosoted Piles (Up to 20') Lin. Ft.		108	108
Creosoted Piles (20' to 38') Lin. Ft.		408	408
Concrete Piles Lin. Ft.		2031	2031
Test Pile Concrete Ea.		2	2
Name Plates Ea.	2		2
Slope Wall 4' Sq. Yds.	1120		1120
Preformed Jt Sealer Lin. Ft.	168		168



DESIGNED: [Signature]
 EXAMINED: [Signature] JANUARY 22 1969
 CHECKED: [Signature]
 DRAWN: A. Barroza
 APPROVED: [Signature]

DESIGN STRESSES

1.150 Deck Jmb
 2.150 Deck Jmb
 2.150 Deck Jmb
 2.150 Deck Jmb
 2.150 Deck Jmb

PROJ 1-16-24-1(23)37
 GENERAL PLAN & ELEVATION
 F.A.I. 24 OVER
 FOR INFORMATION ONLY:
 BRIDGE NO. 3 STRUCTURE 064-0030
 BRIDGE NO. 4 STRUCTURE 064-0031