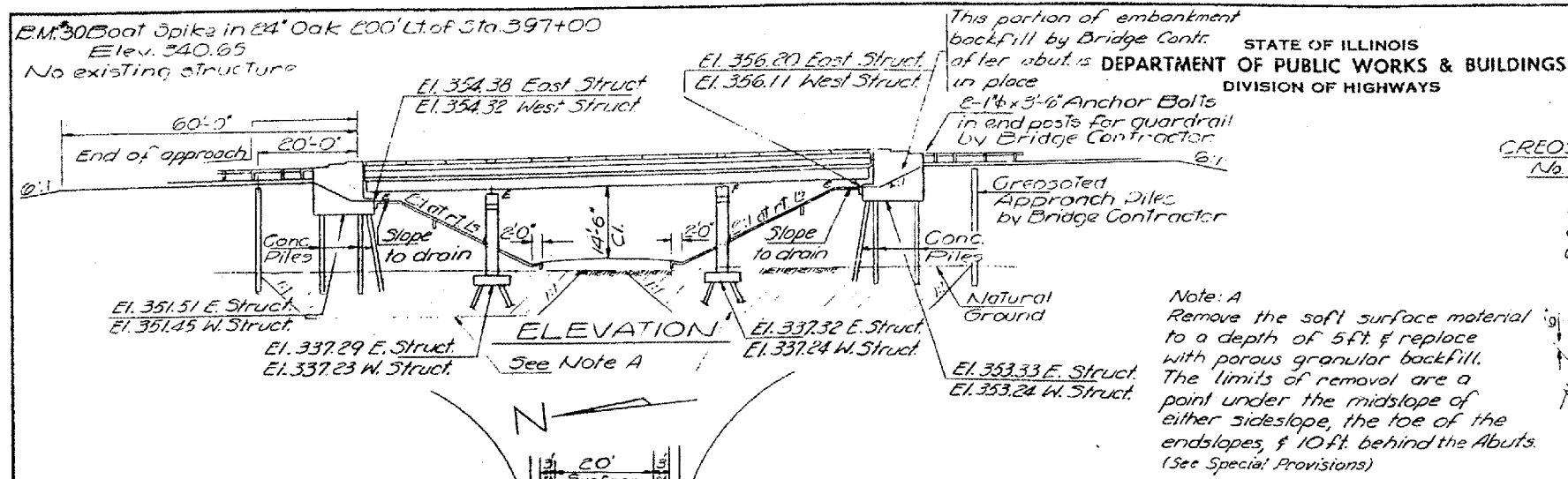


SHEET NO.:		39 OF 58	
MASSAC	44	13	19 SHEETS



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 3/8", 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.

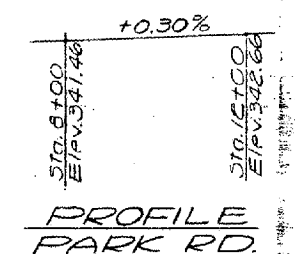
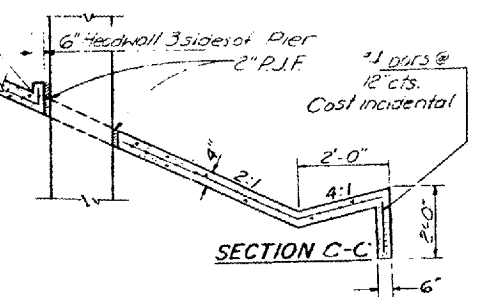
Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq ft.

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 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. Bd. Lane P.I. Sta. 406+80.72  
 E. Bd. Lane P.I. Sta. 409+36.72  
 & P.I. Sta. 408+08.73

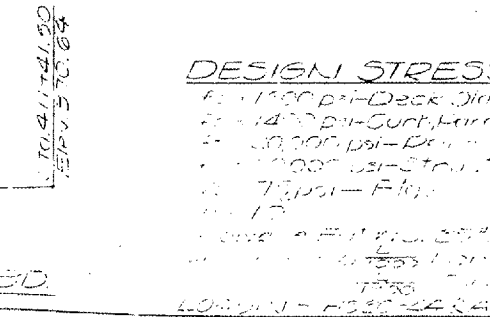
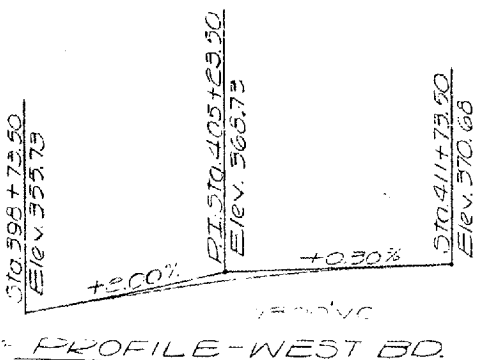
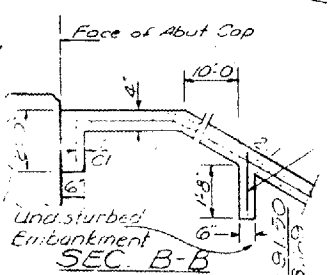
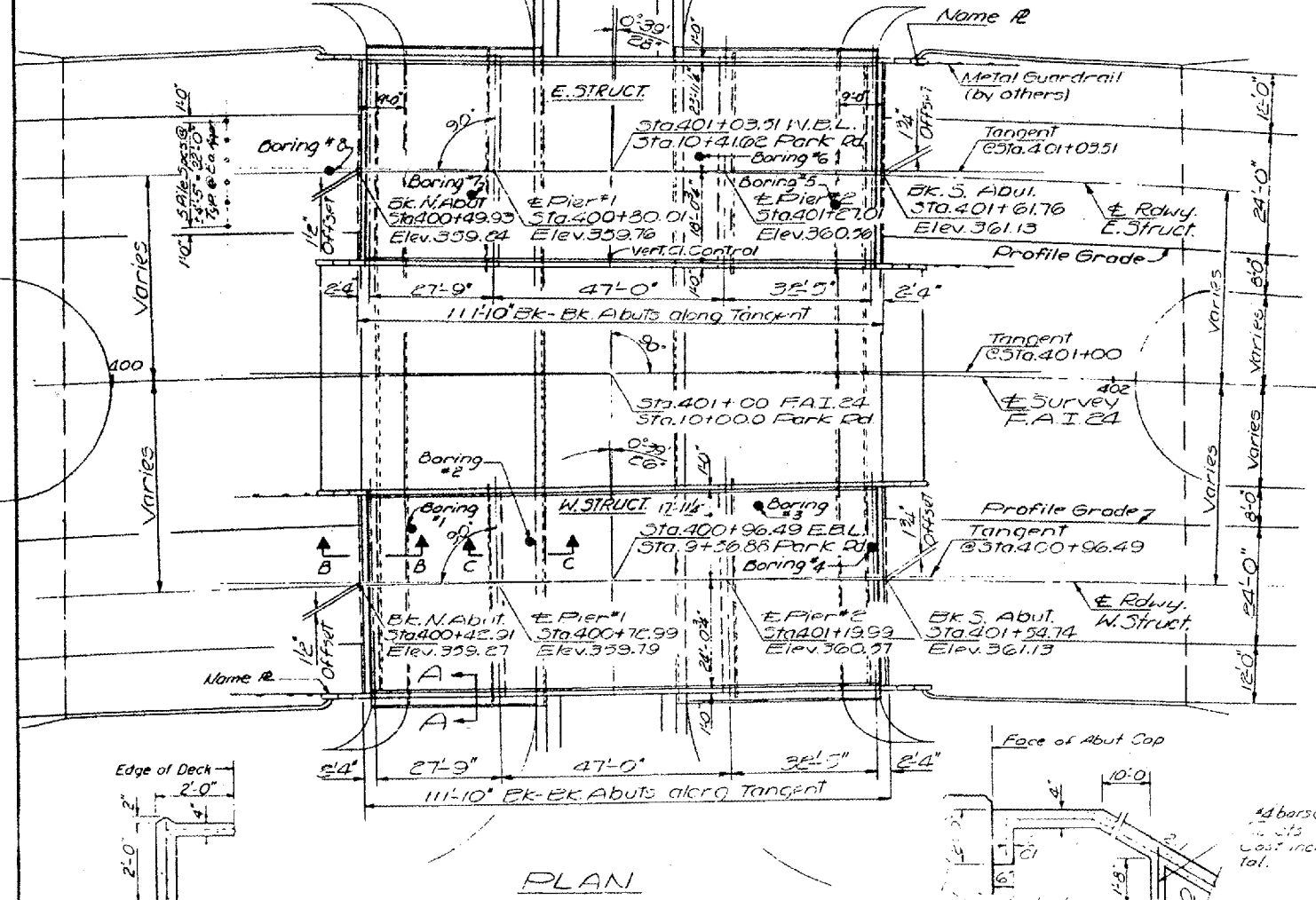
Δ = 15°-29'-59"  
 D = 0°-30'  
 R = 11,459.16'  
 L = 3,098.84'  
 T = 1,558.93'  
 E = 105.55'  
 S.E. = 0.01571

STATION 401+00  
 BUILT 196 BY  
 STATE OF ILLINOIS  
 F.A.I. RT. 24 SEC. 64-34H-2  
 F.A. PROJ. I-15-24-(23)  
 LOADING H20 & ALT.

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
Structural Steel	Lump Sum	6.26	0.26
Stud Shear Connectors	Ea.	1692	1692
Aluminum Railing	Lin. Ft.	434	434
Reinforcement Bars	Lbs.	76,190	39,220
Creosoted Piles (Up to 20') Lin. Ft.			108
Creosoted Piles (20.1 to 38') Lin. Ft.			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

\* CALCULATED WEIGHT OF STRUCTURAL STEEL = 17,000 LBS.



DESIGN STRESSES

1500 psi Deck Slab  
 14000 psi Curt. Rein. Slab  
 10000 psi - Deck  
 10000 psi - Slab  
 10000 psi - Floor

LOCATION SKETCH

PROJ. I-15-24-(23)37  
 GENERAL PLAN & ELEVATION  
 F.A.I. 24 OVER

FOR INFORMATION ONLY:

BRIDGE NO. 9 STRUCTURE 064-0030

BRIDGE NO. 10 STRUCTURE 064-0031

JANUARY 22 1969

DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	