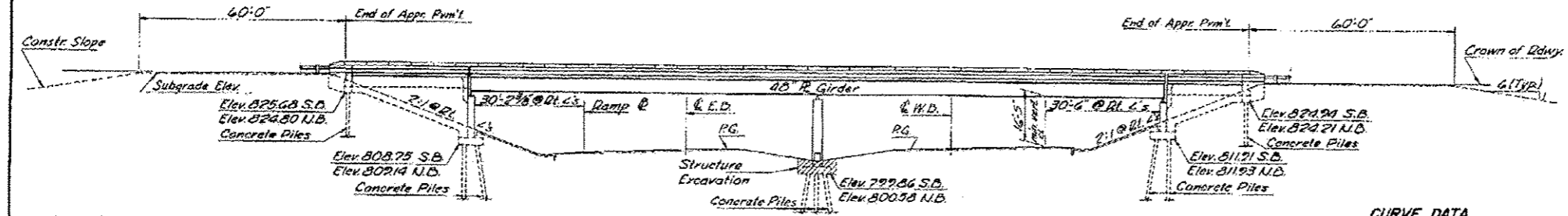


FOR INFORMATION ONLY

Bench Mark "B": Iron Pin 4' U of D.O.W.
 Fence For Tollway 275' W of Sta. 1406+50.00
 Elev. 810.71.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

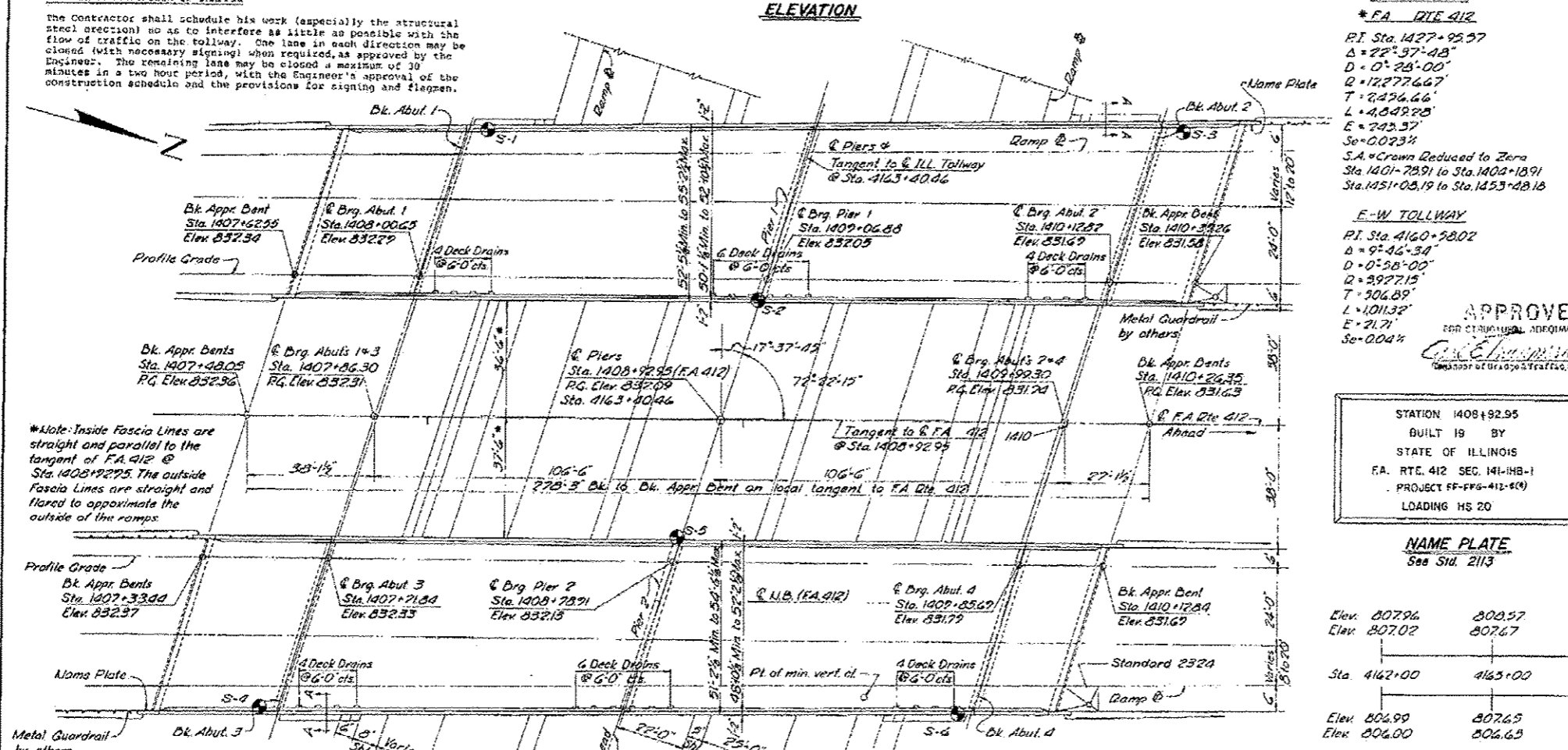
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 412	141-1A	OGLE	628	196
ILLINOIS PROJECT				28 SHEETS



NOTE ON INTERRUPTION OF TRAFFIC
 The Contractor shall schedule his work (especially the structural steel erection) so as to interfere as little as possible with the flow of traffic on the tollway. One lane in each direction will be closed (with necessary signing) when required, as approved by the Engineer. The remaining lane may be closed a maximum of 30 minutes in a two hour period, with the Engineer's approval of the construction schedule and the provisions for signing and flagmen.

CURVE DATA
 *FA RTE 412
 P.I. Sta. 1477+92.97
 Δ = 22°37'48"
 D = 0°28'00"
 Q = 1277.667'
 T = 2426.66'
 L = 4042.28'
 E = 242.37'
 S_e = 0.0234
 S.A. = Crown Reduced to Zero
 Sta. 1401+78.91 to Sta. 1402+18.91
 Sta. 1451+08.19 to Sta. 1453+48.18

E-W TOLLWAY
 P.I. Sta. 4160+5802
 Δ = 9°46'34"
 D = 0°58'00"
 Q = 397.715'
 T = 306.89'
 L = 1011.32'
 E = 21.71'
 S_e = 0.047



*Note: Inside Fascia Lines are straight and parallel to the tangent of FA 412 @ Sta. 1408+92.95. The outside Fascia Lines are straight and flared to approximate the outside of the ramps.

APPROVED
 FOR STRUCTURAL ADOPTANCE ONLY
 [Signature]

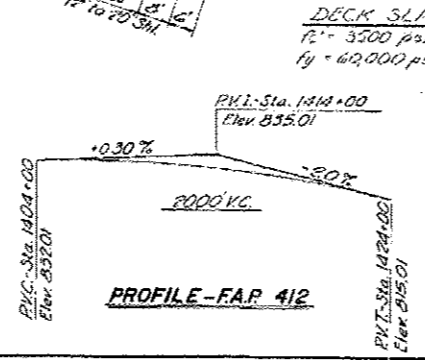
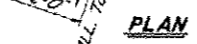
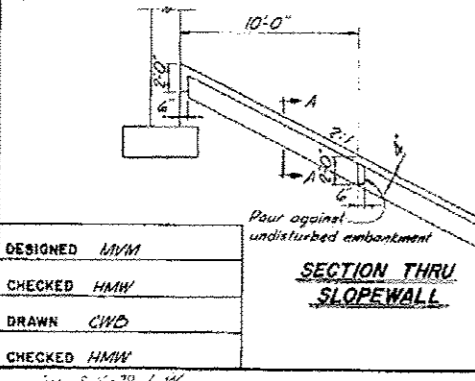
ITEM	UNIT	SUPER	SUB.	TOTAL
Structure Excavation	Cu. Yd.		250	250
Class X Concrete	Cu. Yd.	9124	7203	16327
Structural Steel	Lump Sum	0.44		0.44
Reinforcement Bars	Lbs.	239,000	23,620	362,620
Concrete Piles	Lin. Ft.		7006	7006
Test Piles (Concrete)	Each		6	6
Slipwall (6")	Sq. Yd.		1040	1040
Bitum. Surf. Mixture D, Class I	Tons	259		259
Waterproofing Membrane Sys.	Sq. Yd.	3080		3080
Preformed Joint Sealer (4")	Lin. Ft.	223		223
Stud Shear Connectors, 3/4"	Each	8400		8400
Protective Coat	Sq. Yd.	427		427
PRC I Beam (36")	Lin. Ft.	727		727
Name Plates	Each	2		2
Aluminum Railing	Lin. Ft.	1104		1104

Elev. 807.96	808.57	809.15	809.72 (27' LT)
Elev. 807.02	807.67	808.24	808.83 (27' LT)
			W.B.
Sta. 4162+00	4163+00	4164+00	4165+00
			E.D.
Elev. 806.99	807.65	808.17	808.85 (27' RT)
Elev. 806.00	806.65	807.12	807.91 (52' RT)

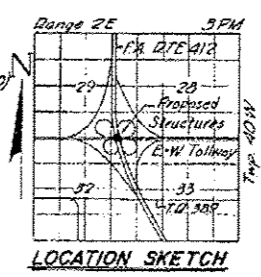
TOP OF CONCRETE EXISTING E-W TOLLWAY
 (From Field Survey Notes)

Bar #	Min. Splice Length
4	1'-0"
5	1'-5"
6	1'-2"
7	2'-4"
8	3'-0"
9	3'-10"
10	4'-10"
11	6'-0"

(Unless Otherwise Noted)



DESIGN STRESSES
 Field Units.
 f_c = 1400 psi (Curb, Parapet, Sub. Appr. Slab)
 f_s = 70,000 psi (Reinf.)
 f_s = 20,000 psi to 27,000 psi. M113 = M273 / Struct. Grade 50
 v_c = 75 psi (Figs.)
 n = 9
 Allowable & Deflection = 1/1600 or L/1200
 Allow 25% for future W.S.
 Design Specifications - 1973 AASHTO as applicable.
 Precast Prestress Units
 f_c = 5000 psi f_s = 270,000 psi (1/2" Strands)
 f_c = 4000 psi f_s = 180,000 psi (3/8" Strands)
LOADING HS 20-44



GENERAL PLAN & ELEVATION
 FA. RTE. 412 OVER E-W TOLLWAY
 FA. RTE. 412 SECTION 141-1HB-1
 OGLE COUNTY
 STA. 1408 + 92.95 (F.A.P. RTE. 412)

DESIGNED MVM
 CHECKED HMW
 DRAWN CWD
 CHECKED HMW

DATE	BY	REVISION

DATE	BY	REVISION