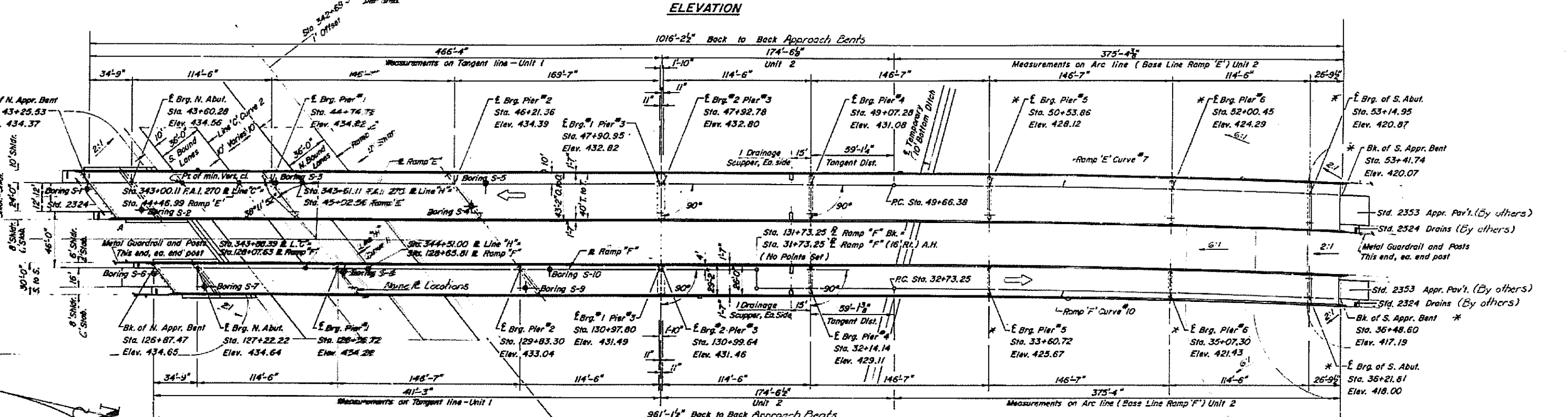
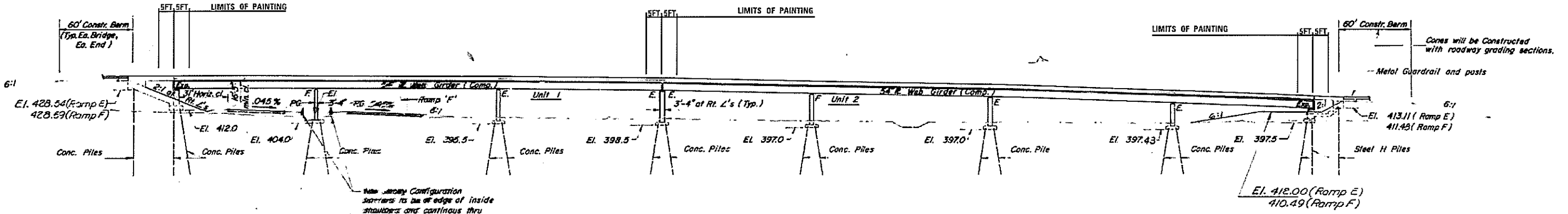


B.M. Rail Road spike in south face 36" Cottonwood Tree.
 Benchmark TBM A-20 Station 338+92 Rt. 525' Elev. 409.99
 No Existing Structure.

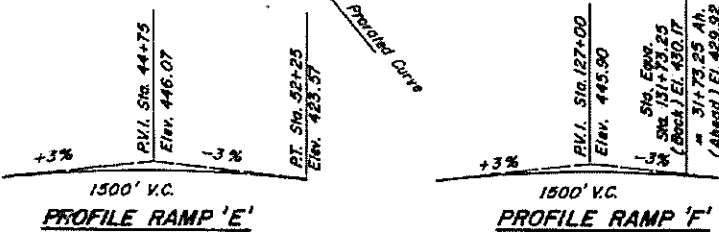
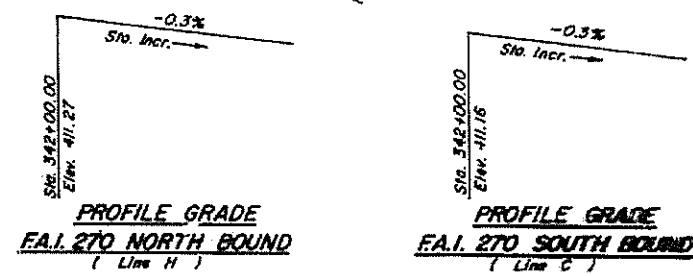
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25	B27HB	St. Clair	83	15
SHEET NO. 1 OF 89 SHEETS				



HORIZONTAL CURVE DATA

Line 'H' Curve #1	Line 'C' Curve #2	Line 'E' Curve #7	Line 'F' Curve #10
P.I. = 347+59.77	P.I. = 347+85.07	P.I. = 59+18.60	P.I. = 34+73.98
Δ = 45° 43' 12"	Δ = 45° 43' 12"	Δ = 53° 00' 00"	Δ = 12° 00' 00"
D = 1° 30' 00"	D = 1° 30' 00"	D = 3° 00' 00"	D = 3° 00' 00"
T = 3819.72'	T = 3819.72'	T = 952.22'	T = 200.73'
L = 1610.37'	L = 1610.37'	L = 1766.67'	L = 1909.86'
E = 325.59' S.E. = .045%	E = 325.59' S.E. = .045%	E = 224.22' S.E. = .052%	E = 10.52' S.E. = .052%

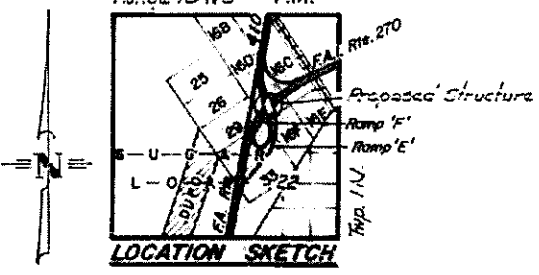


DESIGN STRESSES

$f_c = 3500$ p.s.i.
 $f_y = 60,000$ p.s.i. (Reinforcement)
 $f_s = 27,000$ p.s.i. (M223 Grade 50)
 $f_b = 20,000$ p.s.i. (M193)

LOADING HS 20-44

Allow 25 lbs./sq. ft. for future wearing surface.
 Design Specifications: 1977 AASHTO; 1978 and 1979 Interim Specifications, as applicable.
 Epoxy Coated reinforcement bars shall be used in top layer of deck slab.



GENERAL PLAN
 FA. Rte. 410, Ramp 'E' & 'F' Over FA.I. 270
 FA.I. Rte. 270 Sec. B2-7HB
 ST. CLAIR COUNTY
 Sta. 343+61.11 (FA.I. Rte. 270)

FOR INFORMATION ONLY

DESIGNED	Rick Brunette	EXAMINED	May 7 1981
CHECKED	Jim Kohout	PASSED	
DRAWN		APPROVED	
CHECKED	J.K.		