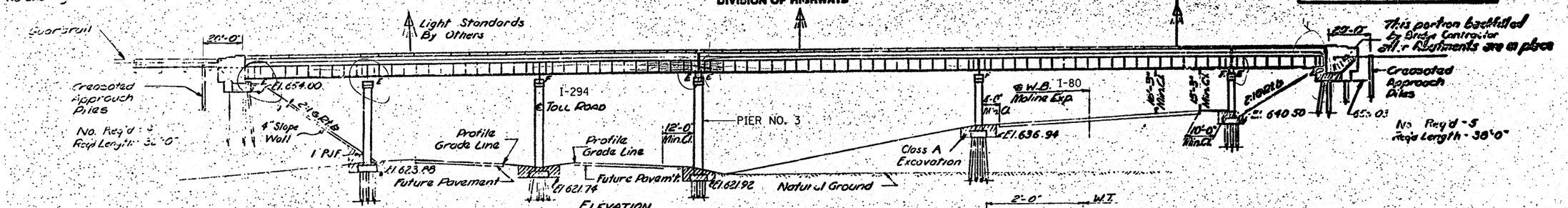
B.M. No 3 - Top of Brass Plug in Conc. Monument at ℄ of Toll Road at Sta 345+00 - Elev 625.88
B.M. No 4 - Top of Brass Plug in Conc. Monument at ℄ of Toll Road at Sta 365+00 - Elev 622.60
No Existing Structure

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

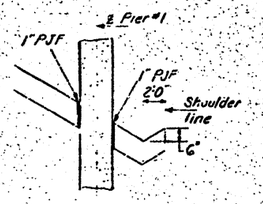
	Cook	51	114

SHEET NO. 14
37 SHEETS

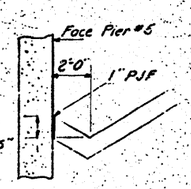


ELEVATION
All piles shall be Steel H Piles unless noted.

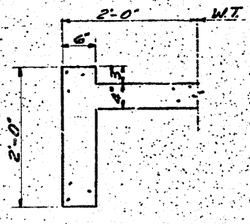
SYMBOL
Ⓧ Light Standard On Bridge



SEC. B-B



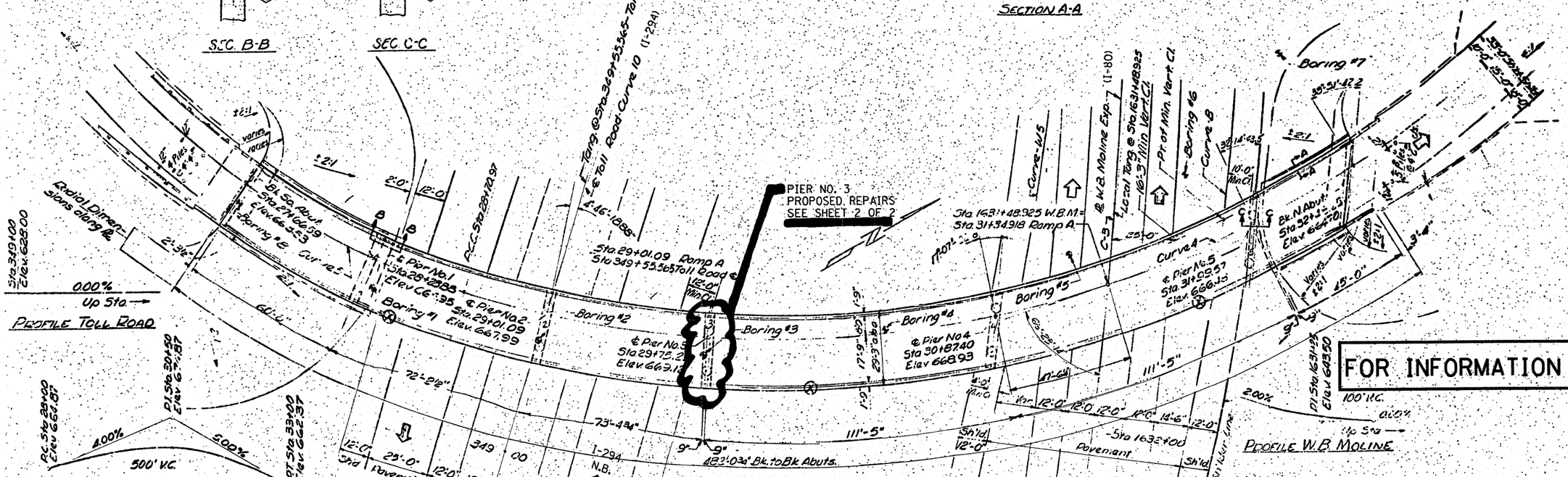
SEC. C-C



SECTION A-A

SEE SHEET NO. 10 FOR NAME PLATE DETAILS

NAME PLATE
See Std. 2113-1



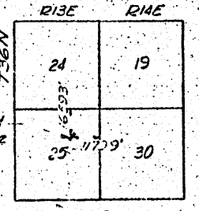
CURVE 4	CURVE B
Δ = 59°-30'-00"	Δ = 25°-18'-03.44"
D = 13°-28'-53"	D = 6°-00'
R = 425.00'	R = 954.93'
T = 242.908'	T = 214.336'
L = 441.35'	L = 421.683'
E = 64.52'	E = 23.758'

CURVE 5	CURVE 5W
Δ = 59°-30'-00"	Δ = 16°-09'-39"
D = 18°-28'-57"	D = 5°-49'-22"
R = 310.00'	R = 383.99'
T = 177.18'	T = 139.70'
L = 321.93'	L = 277.55'
E = 47.06'	E = 9.87'

DESIGN STRESSES:
f_c = 1400 p.s.i. Super.
f_c = 1400 p.s.i. Sub.
f_s = 20,000 p.s.i Reinf.
f_s = 20,000 p.s.i Super. A-36
v_c = 75 p.s.i Ftgs.
n = 10
fs = 25,000 p.s.i Super A-441 Proposed Structure
ALLOW. DEFLECTION:
Δ = L/1060 Noncomp.
Δ = L/1200 Comp.
LOADING: HS20-44 & ALT.

CURVE 10	CURVE 3	
Δ = 30°-03'	Δ = 3°-30'-00"	K = 99.958'
D = 2°-00'	e_b = 5°-30'-00"	X = 199.926'
R = 2864.79'	L_s = 200.00'	Y = 4.072'
T = 28 72.30"	L_c = 907.209'	T(Abut'm't) = 521.8771'
L = 4507.50'	X_c = 31°-45'-08.31"	T(Sub'm't) = 618.6673'
SE = 0.04%	Δ = 35°-15'-08.34"	R = 16370223'
	P = 1.010	SE = 0.06%

LOCATION SKETCH



AS REVISED

RAMP A - MOLINE EXPRESSWAY AND TOLL ROAD INTERCHANGE OVER TOLL ROAD AND W.B. MOLINE
F.A.I. ROUTE 80
SECTION 1818-809HB
COOK COUNTY
STATION 31+34.918 ℄ RAMP A

✱ FAP 351 & FAI 294

FOR INFORMATION ONLY

DESIGNED
CHECKED
DRAWN
CHECKED

EXAMINED — Dec 1966
PASSED
APPROVED

FILE NAME = c:\projects\struct\016-2132.dgn	USER NAME = tmakosmv	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/10/2006	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 EB RAMP TO I-294 NB OVER I-294
LOCATION 2 - GENERAL PLAN
S.N. 016-2132

SCALE: | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
✱	2008-067 BR	COOK	10	8
		CONTRACT NO. 60F56		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		