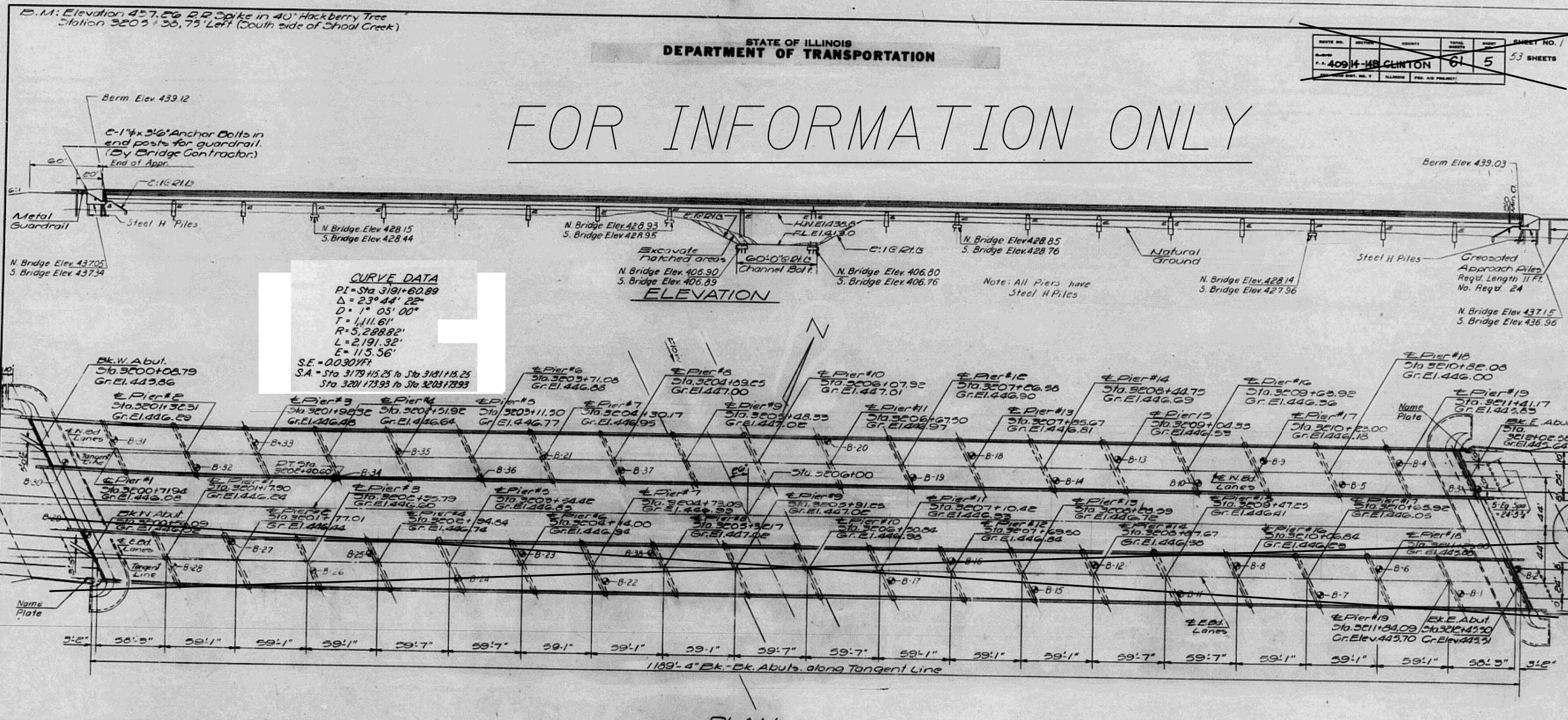


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
409-14-148	CLINTON	6	5	53 SHEETS

FOR INFORMATION ONLY



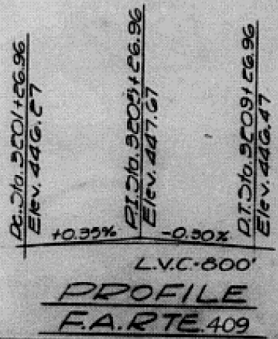
CURVE DATA
 PI = Sta 3191+60.89
 Δ = 23° 44' 22"
 D = 1° 05' 00"
 T = 111.61'
 R = 5,288.82'
 L = 2,191.32'
 E = 115.56'
 S.E. = 0.0301Vt
 S.A. = Sta 3179+15.25 to Sta 3181+15.25
 Sta 3201+73.93 to Sta 3203+73.93

WATERWAY INFORMATION
 Drainage Area — 776 Sq.Miles
 Character — Level, Wooded, Cultivated
 Required Opening — 50 Yr Flood — 6940 Cfd.
 Present Opening — None
 Proposed Opening — 6940 Cfd.
 Q = 39,900 c.f.s.
 Created Head = 0.62 Ft.

PLAN

DESIGNED: Suresh T. Desai
 CHECKED: Jerry Boston
 DRAWN: R.P.S. J05
 CHECKED: GB

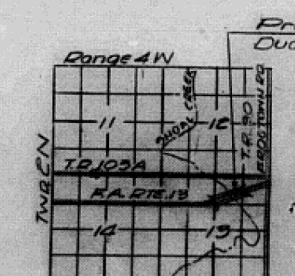
EXAMINED: [Signature] 1975
 PASSED: [Signature]
 APPROVED: Richard H. Hollerman



DESIGN STRESSES
FIELD STRESSES
 f_c = 1500 psi - Deck Slab
 f_c = 1400 psi - Curb, Parapet, Sub.
 f_s = 60,000 psi - Reinf.
 f_s = 60,000 psi - Struct.
 f_t = 75 psi - Flg.
 n = 10

PRECAST PRESTRESSED UNITS
 f_c = 5000 psi
 f_d = 4000 psi
 f_s = 248,000 psi - Strands
 f_s = 173,600 psi - Strands

Allow 25% 'a' for future W.S.



GENERAL PLAN & ELEVATION
 PROJECT EBF 409-1(13)
 OVER SHOAL CREEK
 F.A. ROUTE 409
 SECTION 14-148
 CLINTON COUNTY
 STATION 3206+00