

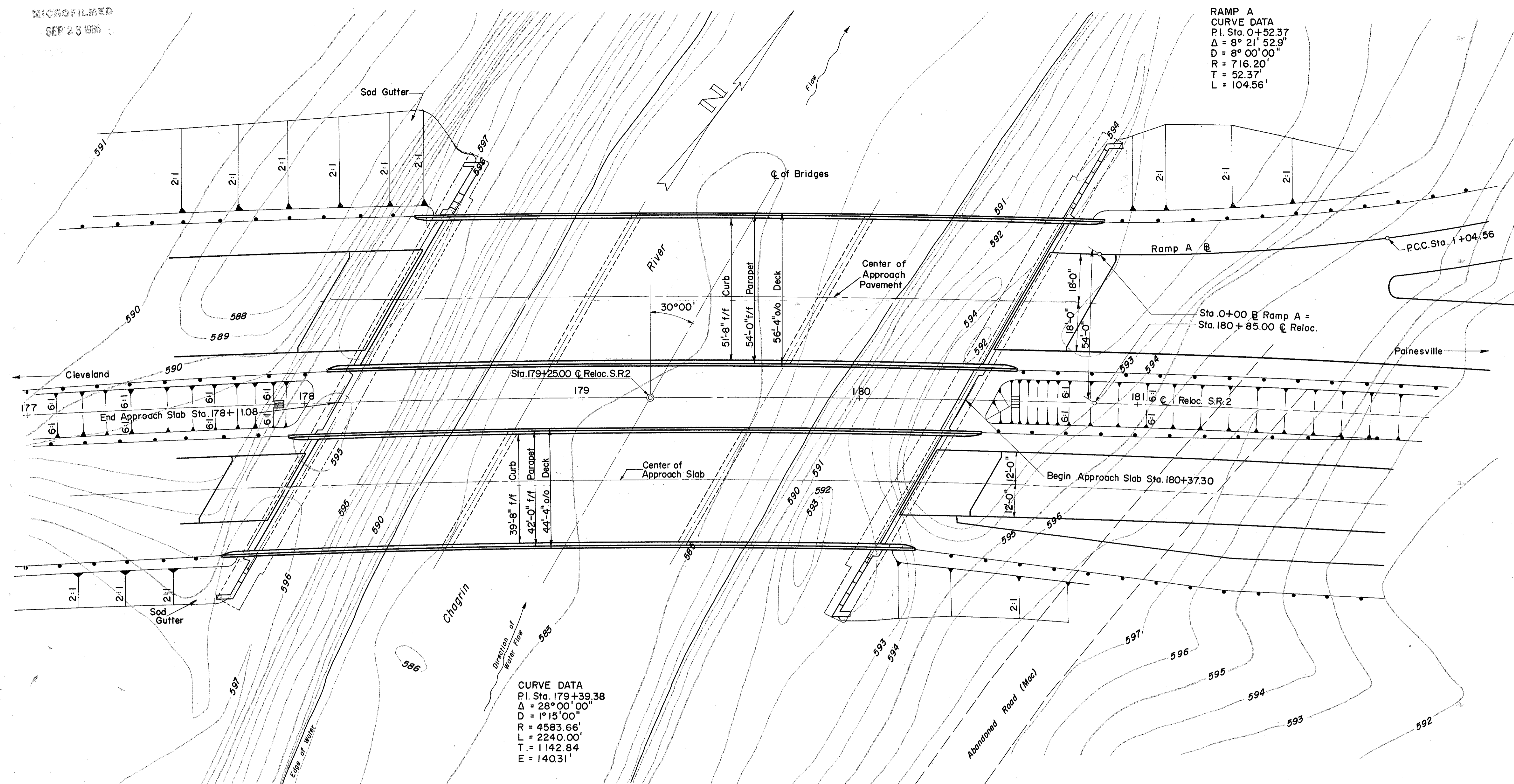
MICROFILMED
SEP 23 1986

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-U-329 (15)	

257
297

LAKE COUNTY
SEC. LAK-2-4.42

RAMP A
CURVE DATA
P.I. Sta. 0+52.37
 $\Delta = 8^\circ 21' 52.9''$
 $D = 8^\circ 00' 00''$
 $R = 716.20'$
 $T = 52.37'$
 $L = 104.56'$

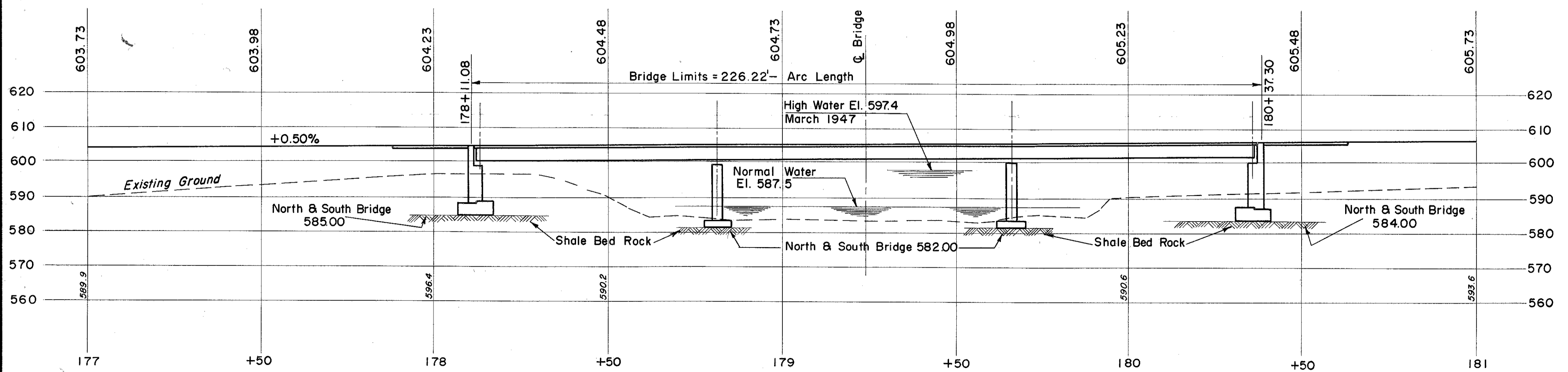


FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of rod soundings and soil sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus, or in the Division Office, but the state does not guarantee the accuracy thereof.

EXISTING BRIDGE UPSTREAM ST. CLAIRE STREET
 TYPE: 2 Span Steel Pony Truss with I Beam Deck.
 SPAN: 154' Total Length Underclearance 16.1'
 ROADWAY: 24'-0" Substructure: Concrete
 WEARING SURFACE: Macadam on 6" x 3" Plank
 Existing Bridge to Remain in Place.

PROPOSED STRUCTURE
 TYPE: Two - 3 Span Continuous Steel Beam with Reinforced Concrete Deck & Substructure.
 SPANS: 68'-0", 85'-0", 68'-0" C/B Bearings
 ROADWAY: North Bridge = 54'-0" f/f Parapets
 South Bridge = 42'-0" f/f Parapets
 LOAD FREQUENCY: C F = 2000
 SKEW: 30° 00' 00" L.F.
 WEARING SURFACE: 1" Monolithic Concrete
 APPROACH SLAB: AS-1-54 (25' long)
 ALIGNMENT: 1° 15' 00" Curve Right
 SUPERELEVATION: 0.040 ft./ft.
 ADT 45,000 (1975)
 DRAINAGE AREA: 251 Square Miles
 50 Year Q = 21,000 c.f.s.

CURVE DATA
P.I. Sta. 179+39.38
 $\Delta = 26^\circ 00' 00''$
 $D = 1^\circ 15' 00''$
 $R = 4583.66'$
 $L = 2240.00'$
 $T = 1142.84'$
 $E = 14031'$



PROFILE ALONG C RELOC. S.R. 2

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

SITE PLAN
BRIDGE NO. LAK-2-0527
RELOC. S.R. 2 OVER CHAGRIN RIVER
LAKE COUNTY
STA. 179+25.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
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