

MICROFILMED
JUL 6 1986

FED. RD. DIVISION	STATE	PROJECT	298 384
2	OHIO		

LAKE COUNTY
SEC. LAK-2-14.22

FOUNDATION SOUNDINGS:

Foundation design and quantities are based on a study of borings and soil samplings made at the site. This boring and sounding information may be inspected in the office of the Bureau of Bridges in Columbus, or in the Division office. The State assumes no responsibility for the accuracy of these.

CURVE DATA

RELOC. S.R.2 P.I. Sta. 674+94.54 $\Delta = 33^\circ 18' 45''$ Lt. D = 1° 15' 00" R = 4583.66' T = 1371.35' Super = 0.04 ft.	RELOC. RICHMOND ST. P.I. Sta. 27+85.82 $\Delta = 21^\circ 11' 17''$ Rt. D = 2° 00' 00" R = 2864.79' T = 535.82' Super = 0.0156 ft.
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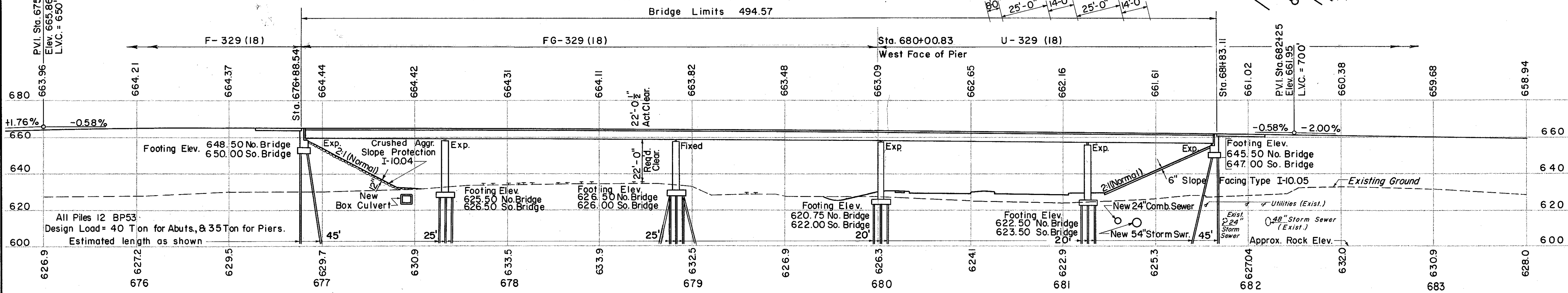
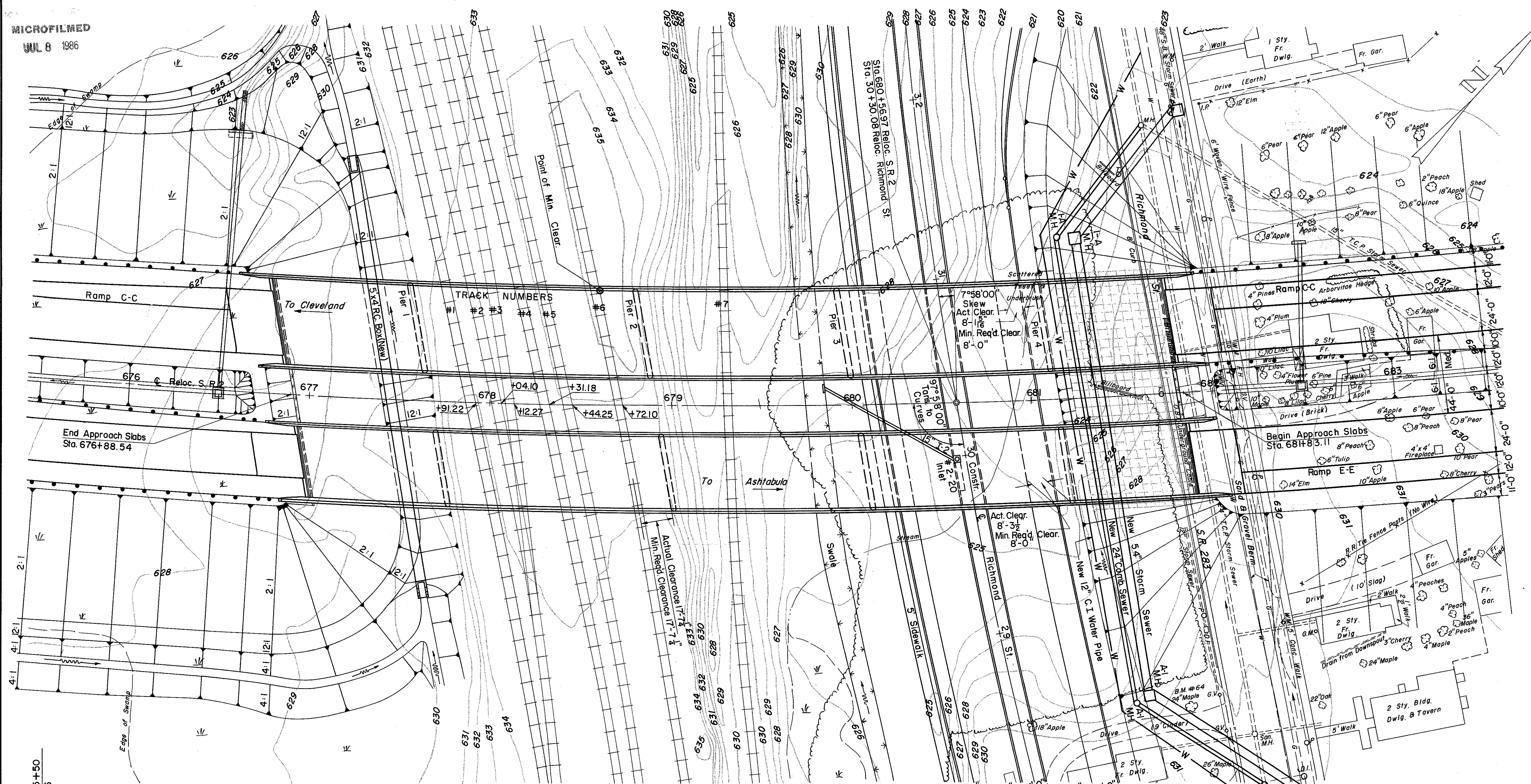
B.M. #64 Lag Bolt in 30" Maple 175' Rt.
Sta. 680+65 West Side of Route
283 (Richmond St.) Elev 631.106'

CONSTRUCTION CLEARANCE of 19'-0"
vertically above the top of the railroad
rails and 8'-0" horizontally from the
center of tracks shall be maintained at all
times.

PROPOSED STRUCTURE

TYPE: Two - 5 Span continuous welded Plate Girder with Reinforced Concrete Deck and Substructure.
SPANS: 75'-0", 125'-0", 111'-6", 111'-6", 67'-0"
ROADWAY: LEFT Bridge 50'-0" $\frac{1}{4}$ par.
RIGHT Bridge 42'-0" $\frac{1}{4}$ par.
LOAD FREQUENCY: C.F. 2000 Adequate for AASHO Alternate Loading.
WEARING SURFACE: 1" monolithic conc.
APPROACH SLAB: AS-1-54 (25'-0" Long)
ALIGNMENT: Curves
A.D.T. 24,000 (1975)
SKEW: 7° 58' 00" R.F.

TRAFFIC MOVEMENT ON R.R. TRACKS:
Approx. 50 Trains per day at 15 MPH.
UTILITIES: Power adjustment under this plan except the 33KV line on the West side of existing Richmond Street by others.
Gas line relocated by others, all interchange lighting under this plan.
Telephone conduit to be placed under sidewalk by others.



PROFILE ALONG RELOCATED 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-2-1471 L & R
RELOC. S.R.2 OVER B.&O. R.R. - S.R. 283
LAKE COUNTY STA. 680+56.97

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED