FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

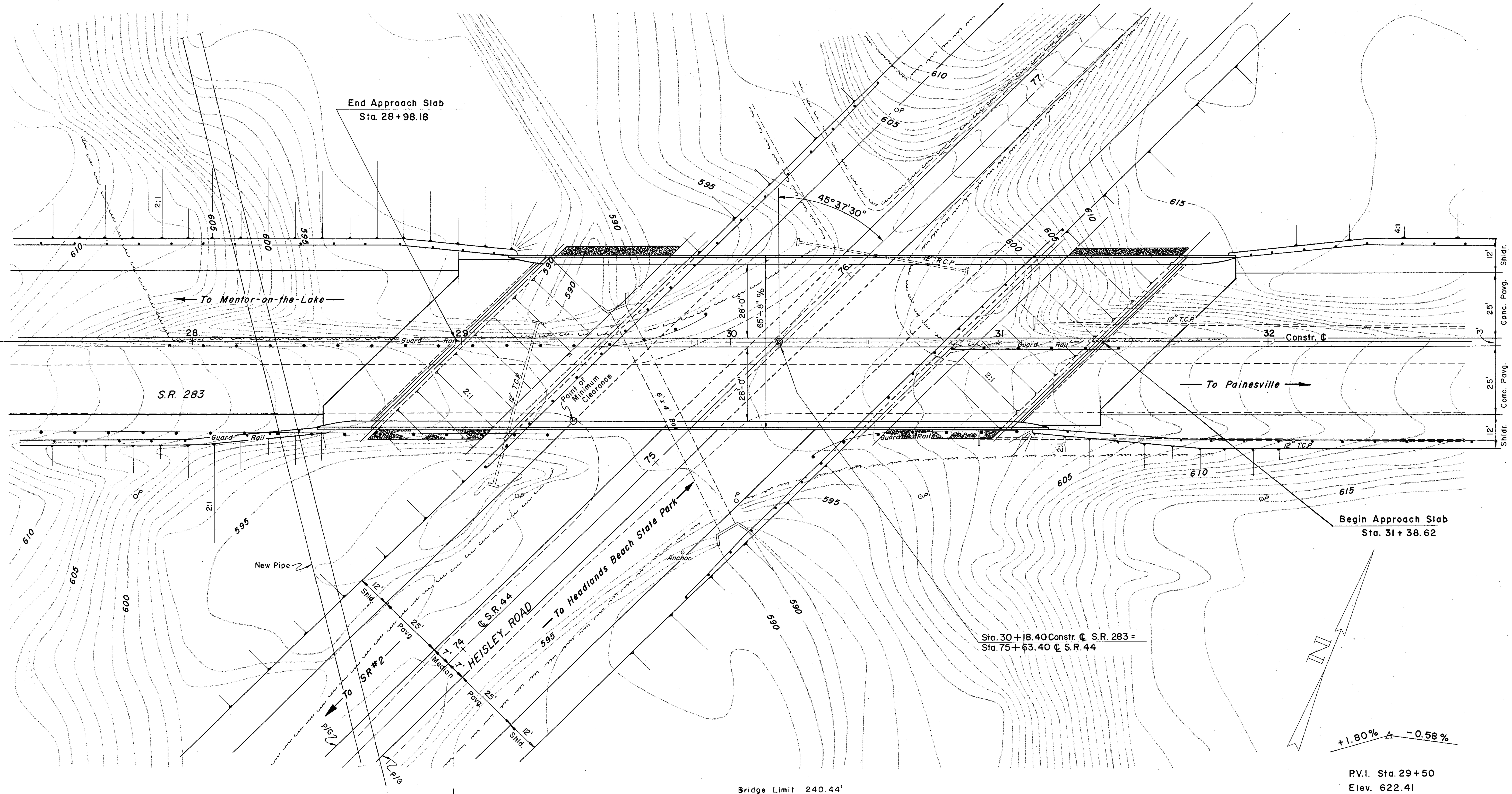
189 / 212

LAKE COUNTY
LAK-44-7.22

Approximately 2 Miles West of Painesville.

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 imformation 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.



PROPOSED STRUCTURE

TYPE: 4 Span continuous steel beam with concrete deck and substructure.

SPANS: 52'-0", 65'-0", 65'-0", 52'-0" C/c Brgs.

ROADWAY: 59'-0" f/f 2'-3" Safety curbs.

LOAD FREQUENCY: CF= 400(57)

SKEW: 45° 37' 30" L.F.

WEARING SURFACE: 1" monolithic concrete

APPROACH SLAB: 25'-0" long (special)

ALIGNMENT: SR#44 & SR#283 tangent

TRAFFIC: 8,490 A.D.T. 1979

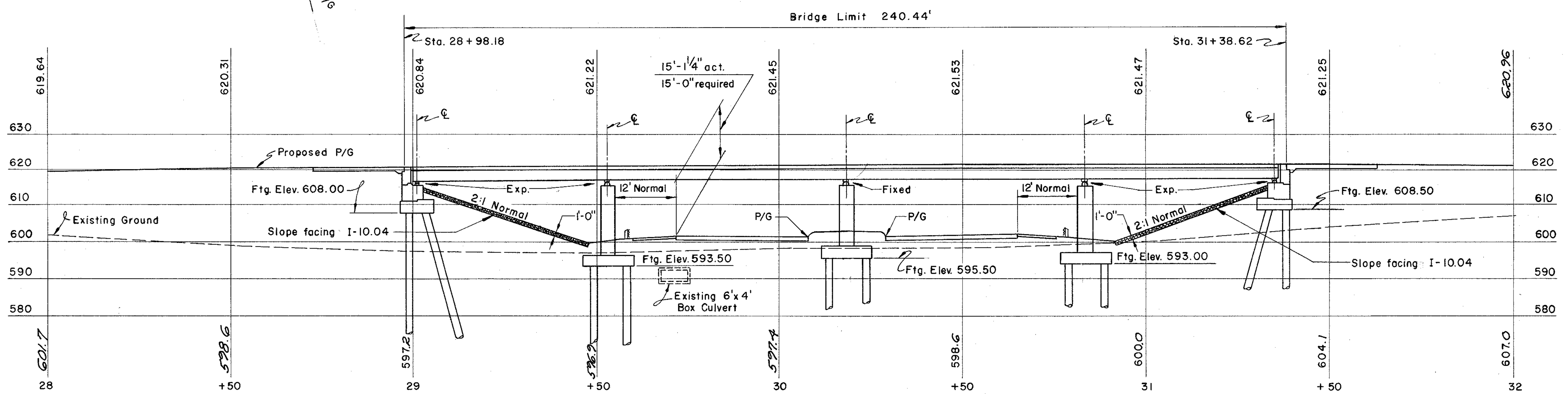
B.M. #5 Lag bolt in base of 10" Elm
90' Rt. of Sta. 78+30
Elevation 616.789

+1.80% -0.58%

P.V.I. Sta. 29+50
Elev. 622.41
V.C. 400'
M.O. 1.19'

GRADE ON S.R. #283
CONSTRUCTION ℄

All piles 12 BP53 steel H piling, design load 35 ton per pile at the piers and 40 ton per pile at the abutments. Estimated average pay lengths – abutments 40' & piers 25'.



PROFILE ALONG SR #283
CONSTRUCTION ℄

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-44-0795
S.R. 44 UNDER S.R. 283
LAKE COUNTY

STA. 75+63.40

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
			McC		