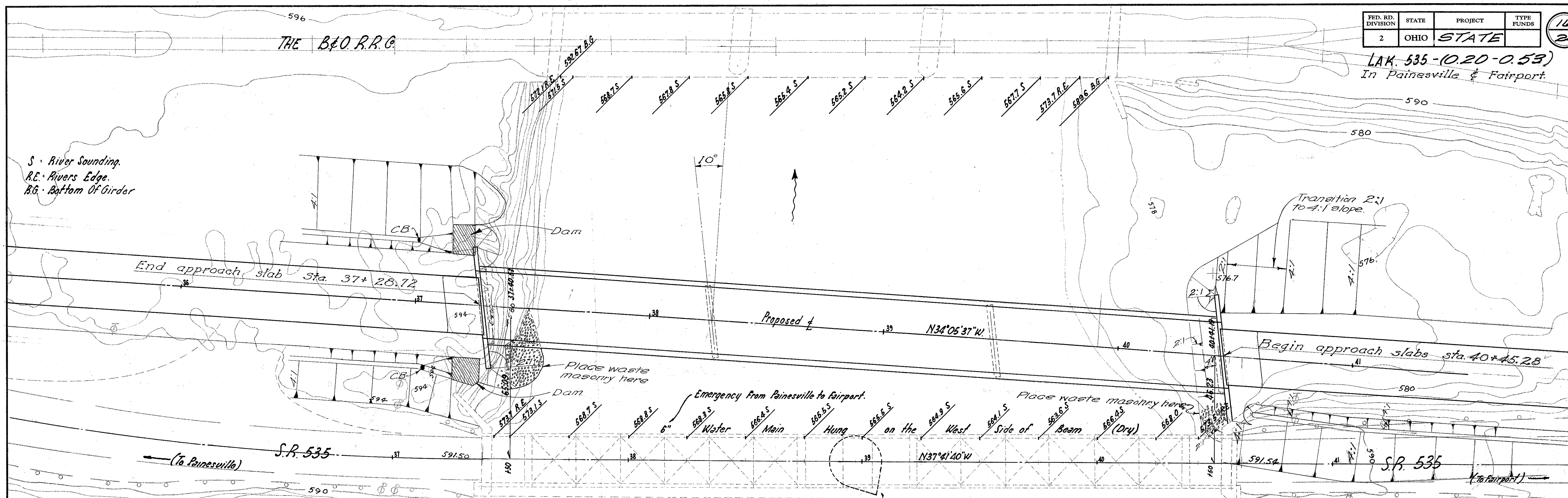


THE B&O R.R.G.

S - River Sounding.
R.E. - Rivers Edge.
B.G. - Bottom Of Girder



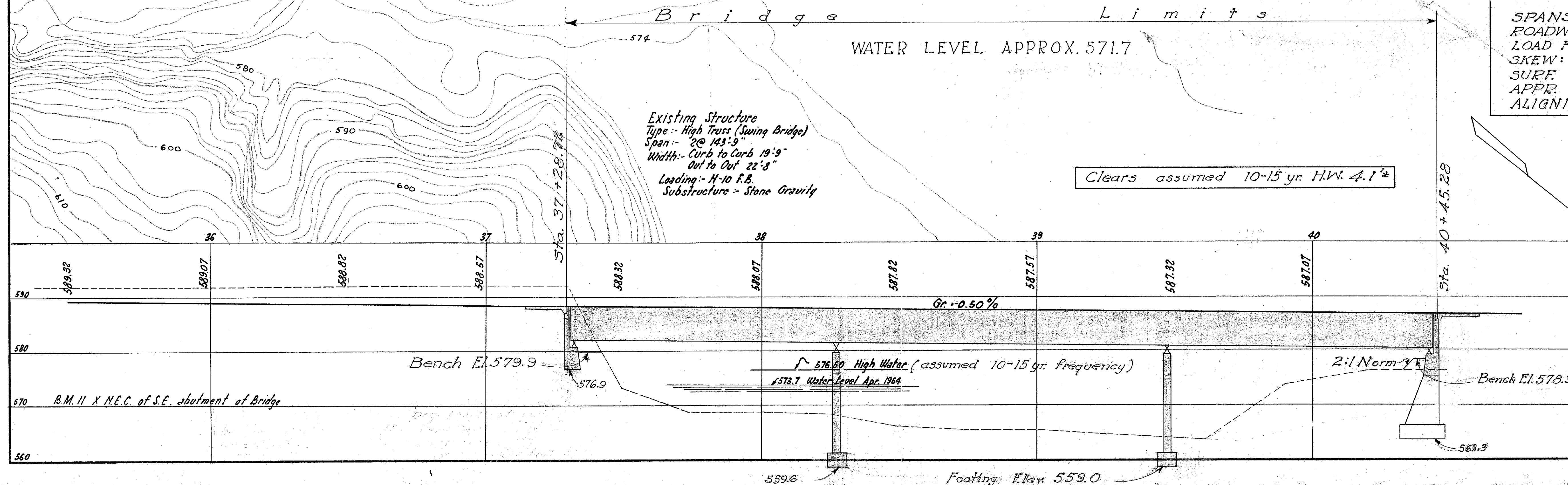
FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of rod soundings and soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus, or in abridged form in the Division office, but the State assumes no responsibility for the accuracy thereof.

Drainage Area 708 sq miles

PROPOSED STRUCTURE
 TYPE: Cont. steel girders with reinf. conc. deck and reinf. conc. substr.
 SPANS: 96'-120'-96' ctr. to ctr. of brgs.
 ROADWAY: 28'-0" w/ 2'-0" safety curbs
 LOAD FREQUENCY: CF = 400(51)
 SKEW: 10°-00' R.F.
 SURF COURSE: Bituminous
 APPR. SLABS: As-1-54(15 long)
 ALIGNMENT: Tangent.

Existing Structure
 Type: High Truss (Swing Bridge)
 Span: 2 @ 143'-9"
 Width: Curb to Curb 19'-9"
 Out to Out 22'-8"
 Loading: H-10 F.B.
 Substructure: Stone Gravity

Clears assumed 10-15 yr. H.W. 4.1'



Line & grade DE 204 5 1954			
STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES			
SITE PLAN			
BRIDGE NO.	LA-535-04		
LAKE CO	Grand River		
	S.R. 535		
	STA. 37+28.72		
	STA. 40+45.28		
SCALE	1" = 20'		
PRESENT TOPOGRAPHY	PROPOSED WORK		
SURVEYED	DRAWN	DESIGNED	CHECKED
Wind Survey	Wind Survey	J.H.B.	R.H.B.
		J.E.P.	C.Y.A.
BFG 9.9% 2-24-55			