MICROFILMED
SEP 18 1986

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

377
394

LAKE COUNTY
SEC. LAK-2-0.00
In Eastlake

ELEVATIONS BEIDLER RD - NO SCALE

629.72 629.94 630.01 630.09 630.08 630.07 630.26 630.40 630.42 630.27 630.06 630.08 629.91 629.71 629.77 629.97 629.93 629.81
4+00 +50 3+00 +50 2+00 +50 1+00

N

Marginal Rd. 24' Pavement

Sta. 293+25.53 Bk. Ahead Sta. 1+69.511 Beidler

RD. 60'

Oak Elm 34°00' skew

End Appr. Slab Sta. 291+88.11

Begin Appr. Slab Sta. 293+25.53

Profile grade line

N 55° 37' 29" E

Conc. Block Gar.

Maple

Proposed Pavement Edge (typ.)

Sidewalk

Transition 1.9:1 to 2:1 slope

Acceleration Lane Taper

West Bound Lanes

East Bound Lanes

36' Pavement 18' Median 36' Pavement

20' Gravel Alley

1½ Fr. Dwg. #35997

1 Fr. Dwg. #36095

1 Fr. Dwg. #36255

1½ Stone Dwg. #36107

1½ Stone Dwg. #995

1½ Stone Dwg. #999

1½ Fr. Dwg. #1000

2 Fr. Dwg. #1004

Gar.

C.B.

M.H.

27" Storm Sewer

8' Slag Dr.

10' Slag Dr.

16' Dr.

10' Gr. Dr.

12" Conc. Pipe

12" Water Line

12" Asphalt

12" Conc. Pipe (3' Cover)

18" Conc. Pipe

C.E.I. - ODOT # 318505

N 0° 22' 15" W Critical Ck. Ft. A. 15.9' W

BEIDLER

LAKELAND BLVD. 80'

N 47° 08' 35.90" E

Transition 1.9:1 to 2:1 slope

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 or in the Division office, but the State does not guarantee the accuracy thereof.

BRIDGE LIMITS

B.M. - X on N.E. corner 2ND step at house # 36100, Lakeland.
Elev. = 632.870'

646.75 647.07 647.37 647.66 647.93 648.18 648.42 648.64 648.84 649.01 649.12 649.34 649.47 649.59 649.69 649.77 649.84 649.89 649.92 649.93 649.93

Sta. 291+88.11 Sta. 293+25.53

+2% 66.63.000 -1%
1100' V.C.

650 640 630

All Piling - Steel H-bearing (12BP53)
Estimated Average Pay Length:
Both Abuts. = 42 Ft.
Both Piers = 28 Ft.

Elev. 639.0
Top of earth slope Elev. 644.0'
Concrete slope protection
Elev. 635.8
Top of earth slope Elev. 644.8'
Elev. 626.5
Elev. 626.5
15.0 Min. Cl. at Pt. "A"
15'-3½" Min. Clearance
Future Beidler Rd.
Sta. 1+93.511
Prop. 6' Walk
19:1 Approach
Future
630.49 628.71 630.41 628.73 630.43 629.89 630.28 629.68

630.12 630.12 630.31 630.89 629.69 629.89

290 291 292 293 294

PROPOSED STRUCTURE

TYPE: Continuous steel beams with reinf. concrete deck and substructure.
SPANS: 36'-60'-36' c to c brgs.
ROADWAY: Two at 54'-0" of concr. parapets.
LOAD FREQUENCY: CF=1.200(S1) (Adequate for AASHO alternate loading.)
WEAR SURFACE: 1" Monolithic concrete.
APPROACH SLABS: AS-1-54 (25' long)
ALIGNMENT: Tangent.
SKEW: 34°-00' L.F.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

Bridge No LAK-2-0363 L & R

LAKELAND - BEIDLER RD BRIDGE
STA. 291+88.11
Scale 1"=20' 293+25.53 Lake County

TOPOGRAPHY		PROPOSED WORK				
SURVEY	DR. BY	DESIGN	DR. BY	CH'KD.	REVIEWED	DATE
		J.E.P.	J.E.P.	RHN	G.E.S.	

LAKELAND - BEIDLER RD. BRIDGE .. SITE PLAN

BFG 9-8-54 11-28-58