FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	ACI-1103 (21)	

395
488

LAKE COUNTY
SEC. LAK-1-12.89

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 assumes no responsibility for the accuracy thereof.

Ditch at toe of embankment DRCP (Item I-10). X-Sec's & Quantities per Roadway Drgs.

Ditch at toe of embankment DRCP (Item I-10). X-Sec's & Quantities per Roadway Drgs.

Sta 450+20.0 SR-1 = Sta 5+00 ℄ Gordon Ck Channel Reloc

℄ Gordon Ck Channel Reloc.

℄ S.R. 1

Gordon Creek

Dumped Rock Channel Prot.

CURVE DATA-℄ GORDON CR CHANNEL RELOC
PC Sta 3+41.10
Δ = 33°
R = 230'
L = 132.72'
T = 78.82
PT Sta 4+93.82

CURVE DATA-SR 1
PC Sta 433+79.37
Δ = 10°-38'-15" Lt
D = 0°-28'
R = 12277.66
L = 2279.46
T = 1143.02
PT Sta 456+58.83
PI Sta 445+22.38

BM No. 51 – Lag Bolt on base 20" Oak 190'± Rt of Sta 455+25 Elev. 792.08

BM No. 50 – Lag Bolt on base of 8" Twin Pine 200'± Rt of Sta 451+00 Elev. 721.81

Profile – SR-1

Bottom of Median Swale

-2.0 %

Existing Ground

℄ Channel Reloc.

Sta 450+20.0

Flow Line Elev. 673.75

PROPOSED STRUCTURE

TYPE: Culvert - Fixed arch of reinf. conc.

CLEAR SPAN: 12'-0"

CLEAR OPENING: 84.0 S.F.

DRAINAGE AREA: 2650 Acres

DESIGN FLOW: Q_{50} = 755 CF per Sec per USGS Office, Columbus, Ohio

SKEW: 0°

ALIGNMENT: Curved

SEC. C-32 FED. AID PROJ. NO. ACI-1103(21)

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

SITE PLAN
BRIDGE NO. LAK-1-1523
S.R.1 OVER GORDON CREEK
LAKE COUNTY
STA. 450 + 20.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
GP	GP 10-22-57		J.M.R.			