



**EXISTING BRIDGE DATA**  
 CLAIR ROAD - DOWNSTREAM 2 MI.  
 PONY TRUSS - 2 SPANS, 70'-0" EA.  
 ROADWAY WIDTH: 22'-0" VERT. CLR. 26'-0"  
 WATER DEPTH: NORMAL = 1'-0", HIGH = 1'-0"  
 ROUTE 528 - UPSTREAM  
 PONY TRUSS - 2 SPANS, 110' EA.  
 ROADWAY WIDTH: 16'-0" VERT. CLR. 23'-0"  
 WATER DEPTH: NORMAL = 3'-0", HIGH = 1'-0"

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO	ACI-1103 (30)	

LAKE COUNTY  
 SEC. LAK-1-22.43

38 R  
 55  
 Revised

**FOUNDATION SOUNDINGS**  
 Foundation design and foundation quantities are based on a study of rock soundings and soil sampling soundings made at the site. This sounding information may be inspected in the Interstate Projects Division Office, but the State assumes no responsibility for the accuracy thereof.

**CURVE DATA**  
 P.I. STA. 849+62.84  
 $\Delta = 15^\circ 28' 30''$   
 $D = 0^\circ 28'$   
 $R = 12,277.66'$   
 $T = 1668.19'$   
 $L = 3316.87'$   
 $E = 112.83'$

**PROPOSED STRUCTURE**  
 TYPE: TWO 3-SPAN CANTILEVER TRUSS BRIDGE,  
 SIMPLE PLATE GIRDER APPROACH SPANS,  
 REINFORCED CONCRETE DECK & SUBSTRUCTURE  
 SPANS: 75'-0", 208'-3", 297'-6", 208'-3", 75'-0"  
 ROADWAY: 42'-0" F/F PARAPETS, 1'-2" SAFETY CURBS  
 LOAD FREQUENCY: CF 2000 ADEQUATE FOR  
 AASHTO ALTERNATE LOADING  
 SKEW: NONE  
 WEARING SURFACE: 1" MONOLITHIC  
 APPROACH SPANS: 25' LONG  
 ALIGNMENT: TAN. & 0° 28' CURVE RT.  
 SUPERELEVATION: NONE

B.M. # 90A Lag Bolt in root 8" Poplar  
 165' Rt Sta 830+00  
 Elev. 812.17  
 B.M. # 91A Lag Bolt in 14" Oak  
 180' Rt. Sta. 838+50  
 Elev. 774.71

1-PANEL LENGTH = 29'-9"  
 TRUSS SPACING = 29'-9" C.-C.  
 TRUSS DEPTH VARIES BETWEEN 29'-9" & 89'-3"

This sheet is to be used for construction & supersedes Sheet No. (30) of the Bidding Plans 9-16-58

SEC. C-388 FEDERAL AID PROJECT-MACT-1103 (30)

PREPARED BY  
 CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.  
 FOR  
 STATE OF OHIO  
 DEPARTMENT OF HIGHWAYS

**SITE PLAN**  
 BRIDGE NO. LAK-1-2252  
 OVER GRAND RIVER  
 LAKE COUNTY STA. 833+19.00

SCALE: 1" = 30'

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
CWB	DW	6-30-58		9-16-58	11-8-58