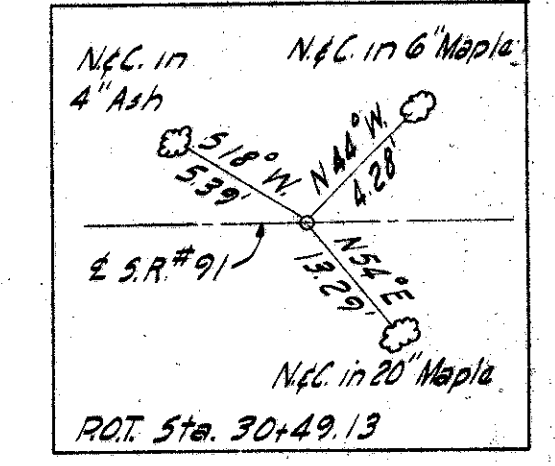


FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103(19)	

2753
312

**4.81 MI.± NORTH OF MAYFIELD HEIGHTS
LAKE COUNTY
LAK-1-2.16
LAK-90-3.14-500**

FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of borings and soil sampling soundings made at the site. This sounding information may be inspected in the Bureau of Bridges in Columbus or in the Division office, but the State does not guarantee the accuracy thereof.



B.M. # 25-A Elev. 749.815
225 Lt. of Sta. 1261.21
Leg bolt in root of 8" Maple

Denotes boring location
S.R. #91 ADT 9560 (1975)

Preliminary Design
10-11-57

EXPRESSWAY CURVE DATA

P.I. Sta. 96+01.97
Δ = 53° 19' 47" Rt.
D = 0° 45' 00"
R = 7639.44'
T = 3836.37'
L = 7110.63'
E = 909.17'

Special Slope and Berm Protection
See Sheet 254

Sta. 263+74.51
Begin Approach Slab

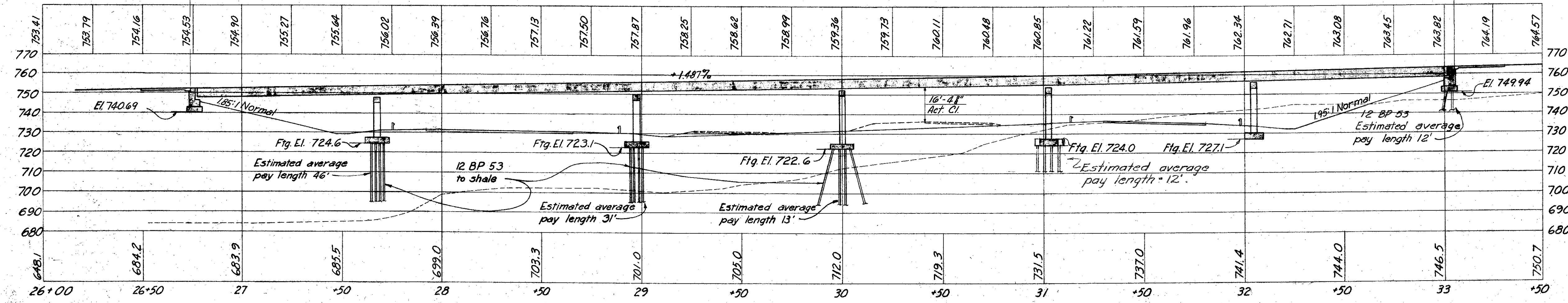
Expressway Sta. 121+21.56
= S.R. No. 91 Sta. 30+00.33

V.C. = 300'
P.V.I. Sta 35+04.30
E.I. = 766.86
+1.487% +2.80%

Note:
P.G. measured
7' Lt. or Rt. of \pm .

Bridge Limits = 629.56'

This sheet supersedes
sheet 275. 3-24-60.



PROFILE ALONG \pm S.R. NO. 91

PROPOSED STRUCTURE
TYPE: Continuous Steel Girders with reinforced concrete deck and substructure.
SPANS: 90'-0", 129'-11", 102'-8", 101'-8", 101'-10", 97'-0" % Brg.
ROADWAY: 70' x 2'-0" Safety curbs.
LOAD FREQUENCY: CF 2000 (57) Adequate for AASHO alternate loading.
SKEW: 45° 57' 16" R.F.
WEARING SURFACE: 1" Monolithic Concrete
APPROACH SLAB: Special Design (25' Long)
ALIGNMENT: Tangent

MICHAEL BAKER, JR. CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

**SITE PLAN
BRIDGE NO. LAK-1-0226
UNDER STATE ROUTE NO. 91**

LAKE COUNTY
SCALE: 1" = 30' STA. 121+21.56

PRESENT	TOPOGRAPHY	PROPOSED	WORK
Surveyed	Drawn	Designed	Drawn
M.B.Jr.	W.A.J.	E.E.W.	F.H.
			Checked
			G.M.W.
			Reviewed
			H.G.H.

Revised 9-21-60.

Sheet 1 of 10

Revised 3-22-60