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

2755
312

4.81 MI.± NORTH OF MAYFIELD HEIGHTS
LAKE COUNTY
LAK.-I-2.16
LAK-90-3.14-5.00

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.

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

119 ± EXPRESSWAY

Existing S.R. 91

Temporary Runaround Road (carried in Roadway Quantities)

36" Dia. Storm Sewer

Sta. 33+04.07 Begin Approach Slab

45°-57'-16" Skew

Critical Cl. Point

Relocated S.R. No. 91

Sta. 26+74.51 End Approach Slab

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

Existing bridge to be removed. See Roadway Quantities

Special Slope and Berm Protection, See Sheet 254

Abutment No. 1 — No. 2 — No. 3 — No. 4 — No. 5 — No. 6 — No. 7

N.C. in 4" Ash — N.C. in 6" Maple — N.C. in 20" Maple — ℄ S.R. #91 — R.O.T. Sta. 30+49.13

B.M. #25-A Elev. 749.815
225 Lt. of sta. 126+21
Lag bolt in root of 8" Maple

Denotes boring location

S.R. #91 ADT 9560 (1975)

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

Preliminary Design
10-11-57

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

Bridge Limits = 629.56'

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

El. 740.69 — 1.85:1 Normal — Ftg. El. 724.6 — Estimated average pay length 46' — 12 BP 53 to shale — Ftg. El. 723.1 — Estimated average pay length 31' — Ftg. El. 722.6 — Estimated average pay length 13' — 16°-41' Rct. Cl. — Ftg. El. 724.0 — Ftg. El. 727.1 — Estimated average pay length = 12' — 1.95:1 Normal — 12 BP 53 Estimated average pay length 12' — El. 749.94 — +1.487%

PROFILE ALONG ℄ S.R. NO. 91

Revised 4-21-60.

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'-½" 2'-0" Safety curbs.
LOAD FREQUENCY: C.F. 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-I-0226
UNDER STATE ROUTE NO. 91

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

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

Sheet 1 of 10

Revised 3-22-60

58 B 30