

CURVE DATA
P.I. = STA. 1+46.95
 $\Delta = 46^{\circ}21'28''$ RT
 $D_c = 70^{\circ}29'45''$
 $R = 81.28'$
 $T = 34.8'$
 $L = 65.76'$
 $E = 7.14'$



A horizontal scale bar labeled "HORIZONTAL SCALE IN FEET". It has markings at 10, 20, and 40 feet. The bar is divided into segments: a black segment from 0 to 10, a white segment from 10 to 20, a black segment from 20 to 30, and a white segment from 30 to 40.

PLAN AND PROFILE

ELM STREET

DESIGN AGENCY



L. ROBINSON
ENGINEERING
468 West 9th St., Suite 800
Cleveland, Ohio
50 Goodale Blvd., Suite 180
Grandview Heights, Ohio

DESIGNER

MLL

REVIEWER

MIC 03/20/26

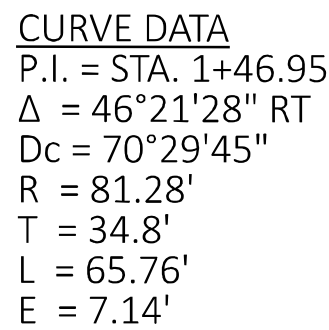
PROJECT ID:

120F83

120583

SHEET TOTAL

14	3
----	---



(DIMENSIONS GIVEN ALONG TANGENT & EXTENDED TANGENT)

BM #1 ELM ST. STA. 2+38.47, ELEV. 1069.46, OFFSET 144.18, LEFT
GRANT ST. STA. 5+16.08, OFFSET 19.94, RIGHT
BM #2 ELM ST. STA. 2+38.80, ELEV. 1071.00, OFFSET 100.66, RIGHT
GRANT ST. STA. 2+71.23, OFFSET 20.27, RIGHT

1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
2. BOTTOM OF SLAB ENCROACHES ON 10-YEAR HIGH WATER ELEVATION.

DESIGN TRAFFIC:
2025 ADT = < 400 2025 ADTT = 0

 - BORING LOCATION

 - TREE TO BE REMOVED

DRAINAGE AREA = 6.47 SQ. MILES
 Q (100) = 2,370 CFS V (100) = 5.25 FT/S
 Q (10) = 1,170 CFS V (10) = 3.12 FT/S
 HW (10) = 1072.10 HW (100) = 1072.83
 OHWM = 1065.22

TYPE: SINGLE SPAN CONCRETE SLAB WITH REINFORCED
CONCRETE SUBSTRUCTURE ON SPREAD FOOTING

SPANS: 28'-0" C/C BEARINGS
ROADWAY: 28'-0"± F/F SAFETY CURB
LOADING: UNKNOWN
SKEW: NONE
WEARING SURFACE: LATEX CONCRETE
APPROACH SLABS: NONE
ALIGNMENT: TANGENT
CROWN: $\frac{3}{16}$ "± PER FOOT
STRUCTURE FILE NUMBER: 7067429
DATE BUILT: 1965
DISPOSITION: TO BE REPLACED

TYPE: SINGLE SPAN CONCRETE SLAB WITH REINFORCED
CONCRETE AND STEEL PILE SUBSTRUCTURE

SPANS: 35'-0" C/C SUBSTRUCTURE UNITS MEASURED NORMAL
TO ABUTMENTS

ROADWAY: 35'-8" FACE/FACE BRIDGE RAILING

LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE

SKEW: 90° 00' 00" TO EXTENDED TANGENT

WEARING SURFACE: 1" MONOLITHIC

APPROACH SLABS: 15'-0" LONG (AS-1-15, AS-2-15 TYPE A INSTALLATION)

ALIGNMENT: CURVE RIGHT & TANGENT

CROWN: 0.016 FT/FT

DECK AREA: 1360 SF

COORDINATES: LATITUDE N 40° 35' 23.43"
LONGITUDE W 82° 25' 26.25"

SITE PLAN
RIC-ELMST-0012
ELM ST. OVER SMOKEY RUN

FRN
7067430
DESIGN AGENCY
E.L. ROBINSON
ENGINEERING
1468 West 9th St, Suite 800
Cleveland, Ohio 44115
950 Goodale Blvd, Suite 180
Grandview Heights, Ohio
DESIGNER LAH CHECKER MMD
REVIEWER
PROJECT ID
120583
SUBSET 1 TOTAL 11
SHEET TOTAL
P.22 36