

"HIG-73-21.11-01"

↖ VRS BASE C CORS STATION / ODOT

'PR5771184061375'

(1000-1404)

1 CNPT, REBAR SET W/ BG ENG

CONTROL "CAP"

-21' NORTH & S.R. 73

-43' WEST END OF GUARDRAIL

1401 CENTERLINE OF BRIDGEPIER

AZ
0

9/5/24

70° sun

71/2

NOTE: USED & HELD COORDINATE

SYSTEM:

OHIO COUNTY COORDINATE SYSTEM

HIGHLAND COUNTY, NAD 83 (2011),

NAD 88 W/ GEOID 18

"HIG-73-21.11-01" CONT

JK JRS BASE @ ODOT CORS STATION

"PRS771184061375"

(1405-1604)

2 CNPT, REBAR SET W/ "BG ENG

CONTROL POINT" CAP

- 20' WEST @ ST. RT. 73

- 71' N/W END OF EASTSIDE GUARDRAIL

500 BMI BENCH TIE SET 12" \pm UP

WESTSIDE  # 100-554

- 50' EAST @ ST. RT. 73

- 124' SOUTH END OF EASTSIDE
GUARDRAIL

3 CNPT, REBAR SET W/ "BG ENG

CONTROL POINT" CAP

- 21' WEST @ ST. RT. 73

- 41' SOUTH END OF WESTSIDE GUARDRAIL

100, 101 @ PAVEMENT

102-105 BRIDGE DECK @ ALIGNMENT

PER (DP)

A7

0

9/9/24

80°
SUNNY

76/2

NOTE: CONTINUED COORDINATE
SYSTEM FROM PAGE 71,
FIELD BOOK 2

Δ @ 1 BS 2 0000" HI: 5.55'
 [5x12] (5000-5282)

5091 thru 5127 BRIDGE ELEMENTS
 BD & BD1 = ASPHALT BRIDGE
 DECK OF OVERPASS

@ EACH END THE BD FOLLOWS
 ASPHALT PATCHED/CONCRETE "SEAM"
 & /OR TRANSITION FROM ROADWAY

5108 LING O'S "SCARP" ON BD
 ASPHALT FAILING *SEE PHOTO*

5159 ASPHALT APPROX TO FIELD DRIVE

5160 GRASS/ROCK/BROKEN ASPHALT FIELD DRIVE

5278 T #314588 BEGIN OVERHEAD LINE
 W/ 2 U.G.'s ON SOUTHSIDE

1411 SOYBEAN FIELD

1482 BURIED/SMASHED 12" ϕ CMP

1516 4" T. WIRE FENCE W/
 BARBED WIRE

π	0	1	BS	2	00000	HI: 5.67'
					(5283-5444)	

1695	W.L.	CONNECT	TO	PT
	"S279"			
1762	CORN	FIELD		
1791	NO #	ON W. BANK		
	PT "S328"			
1795	3' T. x 6" x 6"	METAL TELEBOX		
	"AT & T"	#21		
1796	ON W. BANK	# "S278"		
	ON S.W. SIDE,	"AT & T" #314587,	CONNECTS TO	
	ON W. BANK	# "S278"		
	9/11/2024	DE		
	NE 4	RESET	2' HI: 5.46'	
		(5445 - 5524)		
5445	TOP OUTSIDE EDGE	CONG.		
	ABUTMENT WALL			
5465	'SAME AS #	5445		
5491	'SAME AS #	5445		
5513	'SAME AS #	5445		
5	CAPT, 8" SPIKE SET	(TEMP)		
	AZ: 322° 47' 37"			
	HD: 47.300'			

CURVE TABLES

HOW TO USE CURVE TABLES

Table I. contains Tangents and External to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve. To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent. To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External. To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20' to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20' = 120.87
 $120.87 \div 12 = 10.07$. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20' = 1183.1
 $1183.1 \div 10 = 118.31$.

Correction for A. 23° 20' for a 10° Cur. = 0.16
 $118.31 + 0.16 = 118.47 = \text{corrected Tangent}$.

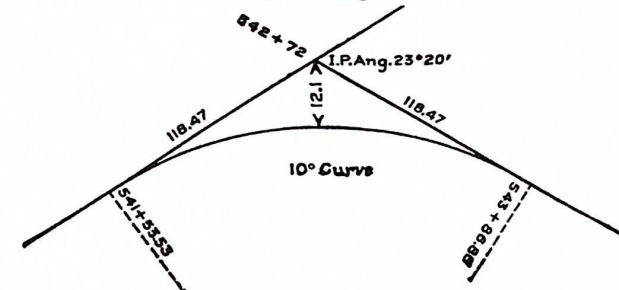
(If corrected Ext. is required find in same way)
 Ang. 23° 20' = $23.33^\circ \div 10 = 2.3333 = \text{L. C.}$

2° 19½' = def. for sta.	542	I. P. = sta.	542+72
4° 49½' = " " "	+50	Tan. =	1 .18.47
7° 19½' = " " "	543	B. C. = sta.	541+53.53
9° 49½' = " " "	+50	L. C. =	2 .33.33
11° 40' = " " "	543+	E. C. = Sta.	543+86.86
	86.86		

$100 - 53.53 = 46.47 \times 3' (\text{def. for 1 ft. of } 10^\circ \text{ Cur.}) = 139.41' =$
 2° 19½' = def. for sta. 542.

Def. for 50 ft. = 2° 30' for a 10° Curve.

Def. for 36.86 ft. = 1° 50½' for a 10° Curve.



"HIG-73-21.11-Ø1" CONT,

6 CNPT, 8" SPIKE SET (TEMP)

AZ: 318° 26' 47"

HD: 100.649'

⌈ @ 5 BS 4 0000" HI: 5.57"
(5525-5535)

5545 BRFLOR NOTE: SIDES OF BRIDGE
ARE ERODED / FLOWING ON EAST SIDE

5547 B1000 = 'S CENTER BOTTOM
CONC. BRIDGE DECK THAT
IS CROWNED

⌈ @ 6 BS 4 0000" HI: 4.66'
(5556-5574)

5574 ORDINARY HIGH WATER MARK

1/3

NOTE: CONTINUED PAGE 80
FIELD BOOK 2

PHOTO LOG

- #1 - LOOKING DOWNSTREAM @ BRIDGE
- 2 - LOOKING UPSTREAM UNDER BRIDGE
- 3 - LOOKING DOWNSTREAM " "
- 4 - LOOKING UPSTREAM @ BRIDGE
- 5 - S/W CORNER FROM CREEKBED
- 6 - S/E " " "
- 7 - S/E ADJUTMENT " "
- 8 - N/E " " "
- 9 - N/W CORNER FROM CREEKBED
- 10 - N/E " " "
- 11 - BRIDGE FACING SOUTH
- 12 - " " NORTH