

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	110 T-1	OLGE	39	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

64416

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
2182	1946798.95	2538886.515	729.3	IL 64	159+67.68	28.7067' LT	HEADWALL, CROSS CUT
2183	1946263.886	2539984.144	709.89	IL 64	171+93.41	20.24' LT	HEADWALL, CHISELLED SQUARE
2184	1945446.786	2540925.997	735.43	IL 64	184+33.56	21.4149' LT	HEADWALL, CROSS CUT

CHAIN IL64 CONTAINS:
1 2 CUR C1 3 4 CUR C2 5 6

BEGINNING CHAIN IL64 DESCRIPTION

POINT 1 N 1,947,189.26 E 2,537,785.88 STA 148+00.00
COURSE FROM 1 TO 2 S 71° 29' 01.69" E DIST 1,156.40
POINT 2 N 1,946,822.02 E 2,538,882.42 STA 159+56.40

CURVE DATA

CURVE C1
P.I. STATION 166+70.19 N 1,946,595.34 E 2,539,559.25
DELTA = 21° 10' 09.67" (RT)
DEGREE = 1° 30' 00.00"
TANGENT = 713.78
LENGTH = 1,411.29
RADIUS = 3,819.72
EXTERNAL = 66.12
LONG CHORD = 1,403.28
MID. ORD. = 64.99
P.C. STATION 159+56.40 N 1,946,822.02 E 2,538,882.42
P.T. STATION 173+67.69 N 1,946,139.54 E 2,540,108.55
C.C. N 1,943,200.03 E 2,537,669.38
BACK = S 71° 29' 01.71" E
AHEAD = S 50° 18' 52.05" E
CHORD BEAR = S 60° 53' 56.88" E

POINT 3 N 1,946,139.54 E 2,540,108.55 STA 173+67.69
COURSE FROM 3 TO 4 S 50° 17' 31.44" E DIST 612.00
POINT 4 N 1,945,748.55 E 2,540,579.37 STA 179+79.69

CURVE DATA

CURVE C2
P.I. STATION 187+84.04 N 1,945,235.00 E 2,541,198.44
DELTA = 31° 21' 58.87" (LT)
DEGREE = 2° 00' 00.00"
TANGENT = 804.35
LENGTH = 1,568.32
RADIUS = 2,864.79
EXTERNAL = 110.78
LONG CHORD = 1,548.81
MID. ORD. = 106.65
P.C. STATION 179+79.69 N 1,945,748.55 E 2,540,579.37
P.T. STATION 195+48.01 N 1,945,118.73 E 2,541,994.34
C.C. N 1,947,953.43 E 2,542,408.45
BACK = S 50° 19' 20.29" E
AHEAD = S 81° 41' 19.16" E
CHORD BEAR = S 66° 00' 19.73" E

POINT 5 N 1,945,118.73 E 2,541,994.34 STA 195+48.01
COURSE FROM 5 TO 6 S 81° 40' 46.10" E DIST 852.05
POINT 6 N 1,944,995.43 E 2,542,837.42 STA 204+00.07

ENDING CHAIN IL64 DESCRIPTION

CHAIN TEMP-RAPP CONTAINS:
TEMP2 CUR TEMP1 TEMP1

BEGINNING CHAIN TEMP-RAPP DESCRIPTION

POINT TEMP2 N 1,946,588.34 E 2,540,470.57 STA 100+00.00
COURSE FROM TEMP2 TO PC TEMP1 S 49° 24' 23.28" E DIST 24.18

CURVE DATA

CURVE TEMP1
P.I. STATION 100+48.69 N 1,946,556.67 E 2,540,507.54
DELTA = 78° 28' 59.41" (RT)
DEGREE = 190° 59' 09.35"
TANGENT = 24.50
LENGTH = 41.09
RADIUS = 30.00
EXTERNAL = 8.74
LONG CHORD = 37.96
MID. ORD. = 6.77
P.C. STATION 100+24.18 N 1,946,572.61 E 2,540,488.94
P.T. STATION 100+65.28 N 1,946,535.25 E 2,540,495.63
C.C. N 1,946,549.83 E 2,540,469.42
BACK = S 49° 24' 23.28" E
AHEAD = S 29° 04' 36.13" W
CHORD BEAR = S 10° 09' 53.57" E

COURSE FROM PT TEMP1 TO TEMP1 S 29° 04' 36.13" W DIST 152.10
POINT TEMP1 N 1,946,402.32 E 2,540,421.71 STA 102+17.38


ENDING CHAIN TEMP-RAPP DESCRIPTION

CURVE POINT NUMBERS				
CURVE	PI	CC	PC	PT
C1	9	10	2	3
C2	11	13	4	5

TIME: 06:05:03 PM

DATE: 06/28/2004

FILENAME: s:\@user\904-390\946\004-074-2025\indores\indres\plans\Wf.dgn

	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION HORIZONTAL AND VERTICAL CONTROL F.A. RTE. 17 (IL RTE. 64) OVER DITCH SECTION 110 T-1 OGLE COUNTY EXISTING S.N. 071-2005 PROPOSED S.N. 071-2025
	NAME	DATE	
SCALE:	VERT. HORIZ.	DRAWN BY	RKK
DATE	06/28/2004	CHECKED BY	AJS