

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various\Work Order No. 10 (North)- US 20 at IL 47 & IL 72\Civil\Cadd Sheets\0160110-shr-ATB.dgn

EXIST. CURVE E\_20NOR-1  
 PI STA. = 10+00.26  
 $\Delta = 4^\circ 30' 33''$  (LT)  
 $D = 2^\circ 14' 59''$   
 $R = 2,546.74'$   
 $T = 100.26'$   
 $L = 200.42'$   
 $E = 1.97'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 9+00.00  
 P.T. STA. = 11+00.42



U.S. ROUTE 20

MATCH LINE STA. 18+00

ALIGNMENT COORDINATES - ILL. RTE. 47			
	STATION	N	E
POT	99+00.00	1,970,623.254	950,053.628
PC	108+19.04	1,971,464.504	950,423.676
PI	111+89.77	1,971,803.849	950,572.948
PRC	115+50.48	1,972,057.710	950,843.119
PI	117+24.32	1,972,176.756	950,969.814
PT	118+91.44	1,972,340.914	951,027.049
PC	120+00.00	1,972,443.417	951,062.787
PI	122+00.32	1,972,632.568	951,128.736
PT	123+92.08	1,972,830.008	951,094.905
POT	126+45.29	1,973,079.584	951,052.141
PC	148+11.74	1,975,214.915	950,686.259
PI	153+67.08	1,975,763.185	950,597.947
PT	158+75.31	1,976,236.432	950,888.528
PC	162+59.32	1,976,563.678	951,089.462
PI	164+30.20	1,976,709.295	951,178.874
PT	165+99.98	1,976,869.516	951,238.270

ALIGNMENT COORDINATES U.S. RTE. 20 @ ILL. RTE. 47/72 (NORTH JUNCTION)			
	STATION	N	E
PC	9+00.00	1,974,910.469	948,636.277
PI	10+00.26	1,974,902.730	948,736.241
PT	11+00.42	1,974,902.873	948,836.503
POT	51+00.00	1,974,908.591	952,836.082

ALIGNMENT COORDINATES U.S. RTE. 20 @ ILL. RTE. 47/72 (SOUTH JUNCTION)			
	STATION	N	E
PC	49+00.00	1,973,627.564	949,329.613
PI	51+25.06	1,973,481.183	949,500.570
PT	53+49.57	1,973,356.649	949,688.040
POT	90+50.00	1,971,309.096	952,770.361

EXIST. CURVE E\_IL47-1  
 PI STA. = 111+89.77  
 $\Delta = 23^\circ 02' 21''$  (RT)  
 $D = 3^\circ 08' 59''$   
 $R = 1,819.00'$   
 $T = 370.73'$   
 $L = 731.43'$   
 $E = 37.39'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 108+19.04  
 P.T. STA. = 115+50.48

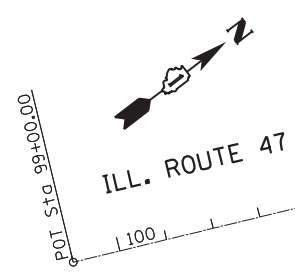
EXIST. CURVE E\_IL47-2  
 PI STA. = 117+24.32  
 $\Delta = 27^\circ 33' 41''$  (LT)  
 $D = 8^\circ 05' 00''$   
 $R = 708.82'$   
 $T = 173.85'$   
 $L = 340.97'$   
 $E = 21.01'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 115+50.48  
 P.T. STA. = 118+91.44

EXIST. CURVE E\_20SOU-1  
 PI STA. = 51+25.06  
 $\Delta = 6^\circ 58' 33''$  (LT)  
 $D = 1^\circ 33' 06''$   
 $R = 3,692.52'$   
 $T = 225.06'$   
 $L = 449.57'$   
 $E = 6.85'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 49+00.00  
 P.T. STA. = 53+49.57

EXIST. CURVE E\_IL47-4  
 PI STA. = 153+67.08  
 $\Delta = 40^\circ 42' 03''$  (RT)  
 $D = 3^\circ 49' 37''$   
 $R = 1,497.22'$   
 $T = 555.34'$   
 $L = 1,063.57'$   
 $E = 99.67'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 148+11.74  
 P.T. STA. = 158+75.31

EXIST. CURVE E\_IL47-5  
 PI STA. = 164+30.20  
 $\Delta = 11^\circ 12' 36''$  (LT)  
 $D = 3^\circ 17' 27''$   
 $R = 1,741.15'$   
 $T = 170.88'$   
 $L = 340.66'$   
 $E = 8.36'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 162+59.32  
 P.T. STA. = 165+99.98

EXIST. CURVE E\_IL47-3  
 PI STA. = 122+00.32  
 $\Delta = 28^\circ 56' 40''$  (LT)  
 $D = 7^\circ 22' 56''$   
 $R = 776.12'$   
 $T = 200.32'$   
 $L = 392.08'$   
 $E = 25.43'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 120+00.00  
 P.T. STA. = 123+92.08

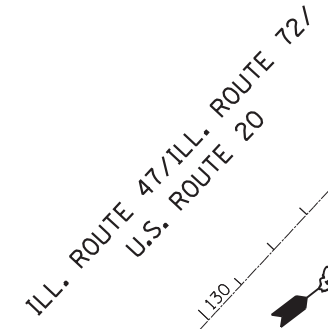


ILL. ROUTE 47

ILL. ROUTE 47

U.S. ROUTE 20

MATCH LINE STA. 77+00



ILL. ROUTE 47/ILL. ROUTE 72/  
U.S. ROUTE 20



U.S. ROUTE 20

MATCH LINE STA. 77+00

MATCH LINE STA. 18+00  
U.S. ROUTE 20

ILL. ROUTE 47

ILL. RTE. 72

USER NAME = chrishfish	DESIGNED - MTM	REVISED -
PLOT SCALE = 400.000' / in.	DRAWN - MTM	REVISED -
PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -
	DATE - 3/31/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS  
U.S. RTE. 20 AT ILL. RTE. 47 AND ILL. RTE. 72

SCALE: 1"=200' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	26
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				