

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5564	111-M-1	WHITESIDE	78	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# HORIZONTAL AND VERTICAL CONTROL

## HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1854796.3620	2433406.9050	644.8970	US30	1541+65.3384	23.7358' RT	GPS CONTROL POINT, PIN
2	1855485.5510	2433347.7290	640.5770	US30	1540+11.9694	652.436' LT	GPS CONTROL POINT, PIN
3	1854753.0060	2434543.4400	645.6170	US30	1553+00.6550	25.4654' RT	GPS CONTROL POINT, PIN
4	1854800.2250	2434774.5520	644.9850	US30	1555+32.1102	20.0417' LT	GPS CONTROL POINT, PIN
5	1855012.2890	2432224.1670	640.9260	US30	1529+68.8775	54.4686' RT	GPS CONTROL POINT, DISK

## SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1854723.8230	2433899.6460	643.4860	US30	1546+59.3136	57.6138' RT	TOPO SURVEY POINT, NAIL
101	1854500.3470	2433358.8480	643.7920	US30	1541+52.3545	323.3303' RT	TOPO SURVEY POINT, PK NAIL
102	1855049.8040	2432359.8970	642.7270	US30	1530+88.0867	20.0016' LT	TOPO SURVEY POINT, NAIL

## BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1854868.5580	2433409.3060	643.3450	US30	1541+59.3587	48.2532' LT	FOUNDATION, CORNER
402	1855268.8560	2433396.2750	642.6610	US30	1540+95.6367	444.0414' LT	R.O.W. MARKER, TOP
403	1854727.5980	2434590.0810	645.3600	US30	1553+47.1067	51.2179' RT	R.O.W. MARKER, TOP
405	1855012.2700	2432224.1430	640.9260	US30	1529+68.8602	54.4938' RT	DISK, TOP
450	1855010.8930	2432326.3960	641.5980	US30	1530+66.6611	26.6553' RT	HEADWALL, CROSS CUT

## REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	US30	1541+52.8674	52.0459' RT	POWER POLE, SHINER
501	US30	1541+31.7805	151.7934' LT	POWER POLE, SHINER
502	US30	1540+83.7699	75.3141' LT	POWER POLE WITH TRANSFORMER, SHINER
503	US30	1540+02.2095	615.3878' LT	POWER POLE, SHINER
504	US30	1533+85.3009	707.9279' LT	POWER POLE, SHINER
505	US30	1533+96.4802	650.8831' LT	CMP, END
506	US30	1555+47.5784	48.919' LT	R.O.W. MARKER, TOP
507	US30	1554+74.9654	48.5114' LT	TELEPHONE SPLICE BOX, TOP
508	US30	1555+62.5089	51.4503' RT	POWER POLE, SHINER
509	US30	1551+83.5065	50.1029' RT	POWER POLE, SHINER
510	US30	1552+91.9465	47.9285' RT	POWER POLE, SHINER
511	US30	1552+80.4069	57.6838' LT	SIGN, SHINER
512	US30	1523+54.3418	56.6871' RT	POWER POLE, SHINER
513	US30	1523+42.7797	45.9721' LT	POWER POLE, SHINER
514	US30	1530+90.9444	42.4393' LT	POWER POLE, SHINER

## CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
US30	200	200	201	202	203

Chain US30 contains:  
26 CUR 200 20

Beginning chain US30 description

Point 26 N 1,856,917.5290 E 2,427,895.6610 Sta 1482+44.2135

Course from 26 to PC 200 113° 38' 24.7030" Dist 3,957.8142'

### Curve Data

Curve 200  
P.I. Station 1536+10.5959 N 1,854,765.6537 E 2,432,811.7054  
Delta = 24° 03' 51.4582" (LT)  
Degree = 0° 52' 01.1773"  
Tangent = 1,408.5682'  
Length = 2,775.6020'  
Radius = 6,608.5579'  
External = 148.4460'  
Long Chord = 2,755.2461'  
Mtd. Ord. = 145.1848'  
P.C. Station 1522+02.0277 N 1,855,330.4780 E 2,431,521.3419  
P.T. Station 1549+77.6297 N 1,854,776.0797 E 2,434,220.2350  
C.C. N 1,861,384.4565 E 2,434,171.3195

Course from PT 200 to 20 89° 34' 33.2448" Dist 3,670.0715'

Point 20 N 1,854,803.2450 E 2,437,890.2060 Sta 1586+47.7012

Ending chain US30 description

Chain MCNEILRD contains:  
27 210 30

Beginning chain MCNEILRD description

Point 27 N 1,853,990.8430 E 2,433,367.9470 Sta 11+65.9133

Course from 27 to 210 359° 59' 23.3667" Dist 834.0867'

Point 210 N 1,854,824.9297 E 2,433,367.7989 Sta 20+00.0000

Course from 210 to 30 359° 44' 40.2550" Dist 1,148.8727'

Point 30 N 1,855,973.7910 E 2,433,362.6760 Sta 31+48.8727

Ending chain MCNEILRD description

Chain KAUFMANBL contains:  
50002 50003

Beginning chain KAUFMANBL description

Point 50002 N 1,854,628.0411 E 2,434,179.0546 Sta 8+52.1380

Course from 50002 to 50003 359° 56' 03.8543" Dist 147.8620'

Point 50003 N 1,854,775.9030 E 2,434,178.8854 Sta 10+00.0000

Ending chain KAUFMANBL description