

38TH AVE (CON'T)

EXISTING HORIZONTAL & VERTICAL CONTROL

38TH AVE (CON'T)

38TH AVE (CON'T)

Curve Data  
-----

**Curve 38AVE2**  
P.I. Station 8+21.52 N 1,750,487.7570 E 2,209,946.1420  
Delta = 6° 05' 18.64" (LT)  
Degree = 0° 59' 43.68"  
Tangent = 306.1000'  
Length = 611.6238'  
Radius = 5,755.6698'  
External = 8.1338'  
Long Chord = 611.3361'  
Mid. Ord. = 8.1223'  
P.C. Station 5+15.42 N 1,750,549.7790 E 2,209,646.3913  
P.T. Station 11+27.04 N 1,750,457.8778 E 2,210,250.7802  
C.C. N 1,756,186.0615 E 2,210,812.6053

Course from PT 38AVE2 to PC 38AVE3 S 84° 23' 53.88" E Dist 1,279.5585'

Curve Data  
-----

**Curve 38AVE3**  
P.I. Station 27+07.44 N 1,750,303.6110 E 2,211,823.6340  
Delta = 2° 59' 53.91" (RT)  
Degree = 0° 29' 54.36"  
Tangent = 300.8425'  
Length = 601.5476'  
Radius = 11,495.2000'  
External = 3.9360'  
Long Chord = 601.4790'  
Mid. Ord. = 3.9347'  
P.C. Station 24+06.60 N 1,750,332.9770 E 2,211,524.2282  
P.T. Station 30+08.15 N 1,750,258.6243 E 2,212,121.0939  
C.C. N 1,738,892.6726 E 2,210,402.1509

Course from PT 38AVE3 to PC 38AVE4 S 81° 23' 59.92" E Dist 1,527.8296'

Curve Data  
-----

**Curve 38AVE4**  
P.I. Station 51+36.60 N 1,749,940.3440 E 2,214,225.6190  
Delta = 11° 58' 07.78" (LT)  
Degree = 1° 00' 00.00"  
Tangent = 600.6272'  
Length = 1,196.8828'  
Radius = 5,729.5780'  
External = 31.3956'  
Long Chord = 1,194.7078'  
Mid. Ord. = 31.2245'  
P.C. Station 45+35.98 N 1,750,030.1592 E 2,213,631.7451  
P.T. Station 57+32.86 N 1,749,975.6386 E 2,214,825.2083  
C.C. N 1,755,695.3157 E 2,214,488.5216

Course from PT 38AVE4 to PC 38AVE5 N 86° 37' 52.62" E Dist 63.2173'

Curve Data  
-----

**Curve 38AVE5**  
P.I. Station 58+63.46 N 1,749,983.3130 E 2,214,955.5840  
Delta = 8° 44' 34.55" (LT)  
Degree = 6° 30' 00.00"  
Tangent = 67.3841'  
Length = 134.5066'  
Radius = 881.4735'  
External = 2.5718'  
Long Chord = 134.3762'  
Mid. Ord. = 2.5644'  
P.C. Station 57+96.08 N 1,749,979.3533 E 2,214,888.3163  
P.T. Station 59+30.58 N 1,749,997.4514 E 2,215,021.4682  
C.C. N 1,750,859.3036 E 2,214,836.5185

Course from PT 38AVE5 to 50274 N 77° 53' 17.78" E Dist 104.2688'

Point 50274 N 1,750,019.3290 E 2,215,123.4160 Sta 60+34.85

Course from 50274 to PC 38AVE6 S 84° 27' 53.97" E Dist 91.5742'

Curve Data  
-----

**Curve 38AVE6**  
P.I. Station 62+02.13 N 1,750,003.1940 E 2,215,289.9180  
Delta = 12° 04' 06.35" (LT)  
Degree = 8° 00' 00.00"  
Tangent = 75.7078'  
Length = 150.8554'  
Radius = 716.1972'  
External = 3.9903'  
Long Chord = 150.5767'  
Mid. Ord. = 3.9682'  
P.C. Station 61+26.43 N 1,750,010.4963 E 2,215,214.5632  
P.T. Station 62+77.28 N 1,750,011.8082 E 2,215,365.1341  
C.C. N 1,750,723.3543 E 2,215,283.6432

Course from PT 38AVE6 to PC 38AVE7 N 84° 01' 14.12" E Dist 0.0240'

Curve Data  
-----

**Curve 38AVE7**  
P.I. Station 65+97.26 N 1,750,048.2150 E 2,215,683.0340  
Delta = 12° 44' 40.96" (LT)  
Degree = 1° 59' 59.65"  
Tangent = 319.9538'  
Length = 637.2670'  
Radius = 2,864.9300'  
External = 17.8108'  
Long Chord = 635.9540'  
Mid. Ord. = 17.7007'  
P.C. Station 62+77.31 N 1,750,011.8107 E 2,215,365.1580  
P.T. Station 69+14.57 N 1,750,153.8482 E 2,215,985.0474  
C.C. N 1,752,858.1359 E 2,215,039.1870

Course from PT 38AVE7 to PC 38AVE8 N 70° 43' 19.35" E Dist 767.9527'

Curve Data  
-----

**Curve 38AVE8**  
P.I. Station 80+35.90 N 1,750,524.0570 E 2,217,043.5030  
Delta = 20° 57' 47.56" (RT)  
Degree = 2° 59' 58.75"  
Tangent = 353.3782'  
Length = 698.8545'  
Radius = 1,910.0800'  
External = 32.4137'  
Long Chord = 694.9629'  
Mid. Ord. = 31.8728'  
P.C. Station 76+82.53 N 1,750,407.3887 E 2,216,709.9394  
P.T. Station 83+81.38 N 1,750,513.6645 E 2,217,396.7283  
C.C. N 1,748,604.4107 E 2,217,340.5548

Course from PT 38AVE8 to PC 38AVE9 S 88° 18' 53.06" E Dist 872.7464'

Curve Data  
-----

**Curve 38AVE9**  
P.I. Station 96+27.27 N 1,750,477.0240 E 2,218,642.0790  
Delta = 15° 17' 22.47" (RT)  
Degree = 2° 03' 39.60"  
Tangent = 373.1432'  
Length = 741.8526'  
Radius = 2,780.0000'  
External = 24.9306'  
Long Chord = 739.6534'  
Mid. Ord. = 24.7090'  
P.C. Station 92+54.13 N 1,750,487.9978 E 2,218,269.0972  
P.T. Station 99+95.98 N 1,750,368.0842 E 2,218,998.9655  
C.C. N 1,747,709.2003 E 2,218,187.3399

Course from PT 38AVE9 to PC 38AVE10 S 73° 01' 30.59" E Dist 114.8714'

Curve Data  
-----

**Curve 38AVE10**  
P.I. Station 102+16.04 N 1,750,303.8380 E 2,219,209.4360  
Delta = 6° 52' 45.91" (LT)  
Degree = 3° 16' 26.56"  
Tangent = 105.1863'  
Length = 210.1199'  
Radius = 1,750.0000'  
External = 3.1583'  
Long Chord = 209.9937'  
Mid. Ord. = 3.1527'  
P.C. Station 101+10.85 N 1,750,334.5473 E 2,219,108.8323  
P.T. Station 103+20.97 N 1,750,285.4001 E 2,219,312.9938  
C.C. N 1,752,008.3052 E 2,219,619.7477

Course from PT 38AVE10 to PC 38AVE11 S 79° 54' 16.50" E Dist 317.4824'

Curve Data  
-----

**Curve 38AVE11**  
P.I. Station 107+61.61 N 1,750,208.1620 E 2,219,746.8070  
Delta = 75° 10' 17.24" (LT)  
Degree = 35° 48' 35.50"  
Tangent = 123.1531'  
Length = 209.9183'  
Radius = 160.0000'  
External = 41.9076'  
Long Chord = 195.1833'  
Mid. Ord. = 33.2093'  
P.C. Station 106+38.45 N 1,750,229.7493 E 2,219,625.5606  
P.T. Station 108+48.37 N 1,750,319.8456 E 2,219,798.7056  
C.C. N 1,750,387.2720 E 2,219,653.6067

Course from PT 38AVE11 to PC 38AVE12 N 24° 55' 26.26" E Dist 120.7956'

Curve Data  
-----

**Curve 38AVE12**  
P.I. Station 110+72.12 N 1,750,522.7590 E 2,219,892.9980  
Delta = 58° 35' 27.32" (RT)  
Degree = 31° 13' 25.89"  
Tangent = 102.9563'  
Length = 187.6479'  
Radius = 183.5000'  
External = 26.9097'  
Long Chord = 179.5780'  
Mid. Ord. = 23.4682'  
P.C. Station 109+69.17 N 1,750,429.3913 E 2,219,849.6107  
P.T. Station 111+56.81 N 1,750,534.3874 E 2,219,995.2955  
C.C. N 1,750,352.0616 E 2,220,016.0209

Course from PT 38AVE12 to 36 N 83° 30' 53.58" E Dist 125.5535'

Point 36 N 1,750,548.5681 E 2,220,120.0456 Sta 112+82.37

=====  
Ending chain 38AVE description

41ST ST

Chain 41ST contains:  
17 18 62 CUR 41A 20

Beginning chain 41ST description  
=====

Point 17 N 1,748,196.8240 E 2,211,826.5630 Sta 633+51.77

Course from 17 to 18 N 0° 51' 09.32" E Dist 1,610.0853'

Point 18 N 1,749,806.7310 E 2,211,850.5210 Sta 649+61.85

Course from 18 to 62 N 1° 30' 08.72" E Dist 233.8364'

Point 62 N 1,750,040.4870 E 2,211,856.6520 Sta 651+95.69

Course from 62 to PC 41A N 1° 18' 00.20" E Dist 632.2972'

Curve Data  
-----

**Curve 41A**  
P.I. Station 662+29.13 N 1,751,073.6620 E 2,211,880.0990  
Delta = 18° 13' 54.01" (LT)  
Degree = 2° 17' 30.59"  
Tangent = 401.1438'  
Length = 795.5066'  
Radius = 2,500.0000'  
External = 31.9787'  
Long Chord = 792.1547'  
Mid. Ord. = 31.5749'  
P.C. Station 658+27.99 N 1,750,672.6215 E 2,211,870.9977  
P.T. Station 666+23.49 N 1,751,457.4174 E 2,211,763.2739  
C.C. N 1,750,729.3422 E 2,209,371.6413

Course from PT 41A to 20 N 16° 55' 53.81" W Dist 59.0147'

Point 20 N 1,751,513.8740 E 2,211,746.0870 Sta 666+82.51

=====  
Ending chain 41ST description

FILE NAME =	USER NAME = espino	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>EXISTING HORIZONTAL &amp; VERTICAL CONTROL</b></p>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
n:\proj\0003393.00\contract.1\design\Misc-Sheets\0264884-sht-ATB.dgn		DRAWN -	REVISED -					595	(142-1)R & 142-1)B	ROCK ISLAND	507	74
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		<p align="center">CONTRACT NO. 64B84</p>							
PLOT DATE = 3/11/2013		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		