

EXISTING HORIZONTAL & VERTICAL CONTROL

40TH AVE

Chain 40THAVE contains:
37 CUR 40TH-1 CUR 40TH-2 38

Beginning chain 40THAVE description

Point 37 N 1,749,510.4140 E 2,208,324.3220 Sta 119+00.00

Course from 37 to PC 40TH-1 N 85° 31' 40.99" E Dist 264.1171'

Curve Data

Curve 40TH-1
P.I. Station 122+45.35 N 1,749,537.3410 E 2,208,668.6170
Delta = 22° 57' 29.83" (LT)
Degree = 14° 19' 26.20"
Tangent = 81.2293'
Length = 160.2791'
Radius = 400.0000'
External = 8.1644'
Long Chord = 159.2090'
Mid. Ord. = 8.0011'
P.C. Station 121+64.12 N 1,749,531.0075 E 2,208,587.6350
P.T. Station 123+24.40 N 1,749,574.7608 E 2,208,740.7139
C.C. N 1,749,929.7897 E 2,208,556.4466

Course from PT 40TH-1 to PC 40TH-2 N 62° 34' 11.15" E Dist 184.6895'

Curve Data

Curve 40TH-2
P.I. Station 125+76.63 N 1,749,690.9560 E 2,208,964.5880
Delta = 23° 08' 03.88" (RT)
Degree = 17° 21' 44.49"
Tangent = 67.5425'
Length = 133.2446'
Radius = 330.0000'
External = 6.8412'
Long Chord = 132.3414'
Mid. Ord. = 6.7022'
P.C. Station 125+09.09 N 1,749,659.8413 E 2,208,904.6392
P.T. Station 126+42.33 N 1,749,696.0153 E 2,209,031.9407
C.C. N 1,749,366.9424 E 2,209,056.6597

Course from PT 40TH-2 to 38 N 85° 42' 15.03" E Dist 357.6775'

Point 38 N 1,749,722.8076 E 2,209,388.6133 Sta 130+00.01

Ending chain 40THAVE description

38TH ST

Chain 38TH contains:
13 CUR 38D CUR 38E CUR 38F CUR 38G 14 CUR 38H CUR 38I CUR 38A CUR 38B CUR 38C - 16

Beginning chain 38TH description

Point 13 N 1,748,580.1700 E 2,209,687.7780 Sta 580+72.80

Course from 13 to PC 38D N 1° 39' 36.10" E Dist 185.8667'

Curve Data

Curve 38D
P.I. Station 583+19.61 N 1,748,826.8830 E 2,209,694.9280
Delta = 90° 53' 59.90" (LT)
Degree = 95° 29' 34.68"
Tangent = 60.9499'
Length = 95.1902'
Radius = 60.0000'
External = 25.5272'
Long Chord = 85.5166'
Mid. Ord. = 17.9081'
P.C. Station 582+58.66 N 1,748,765.9587 E 2,209,693.1623
P.T. Station 583+53.85 N 1,748,827.6915 E 2,209,633.9834
C.C. N 1,748,767.6968 E 2,209,633.1875

Course from PT 38D to PC 38E N 89° 14' 23.81" W Dist 114.1425'

38TH ST (CON'T)

Curve Data

Curve 38E
P.I. Station 585+18.01 N 1,748,829.8690 E 2,209,469.8450
Delta = 4° 57' 30.96" (RT)
Degree = 4° 57' 38.42"
Tangent = 50.0103'
Length = 99.9582'
Radius = 1,155.0000'
External = 1.0822'
Long Chord = 99.9270'
Mid. Ord. = 1.0812'
P.C. Station 584+68.00 N 1,748,829.2056 E 2,209,519.8509
P.T. Station 585+67.95 N 1,748,834.8522 E 2,209,420.0836
C.C. N 1,749,984.1040 E 2,209,535.1721

Curve Data

Curve 38F
P.I. Station 586+02.81 N 1,748,838.3250 E 2,209,385.4050
Delta = 70° 12' 56.80" (RT)
Degree = 115° 34' 26.17"
Tangent = 34.8521'
Length = 60.7540'
Radius = 49.5750'
External = 11.0249'
Long Chord = 57.0229'
Mid. Ord. = 9.0192'
P.C. Station 585+67.95 N 1,748,834.8522 E 2,209,420.0836
P.T. Station 586+28.71 N 1,748,872.1322 E 2,209,376.9348
C.C. N 1,748,884.1805 E 2,209,425.0235

Course from PT 38F to PC 38G N 14° 03' 56.04" W Dist 0.0051'

Curve Data

Curve 38G
P.I. Station 586+65.89 N 1,748,908.1970 E 2,209,367.8990
Delta = 16° 27' 06.33" (RT)
Degree = 22° 16' 51.86"
Tangent = 37.1744'
Length = 73.8374'
Radius = 257.1500'
External = 2.6731'
Long Chord = 73.5840'
Mid. Ord. = 2.6456'
P.C. Station 586+28.71 N 1,748,872.1371 E 2,209,376.9336
P.T. Station 587+02.55 N 1,748,945.3392 E 2,209,369.4468
C.C. N 1,748,934.6328 E 2,209,626.3738

Course from PT 38G to 14 N 2° 23' 10.29" E Dist 185.4756'

Point 14 N 1,749,130.6540 E 2,209,377.1690 Sta 588+88.03

Course from 14 to PC 38H N 0° 47' 48.15" E Dist 453.8672'

Curve Data

Curve 38H
P.I. Station 593+79.44 N 1,749,622.0220 E 2,209,384.0020
Delta = 2° 30' 10.97" (RT)
Degree = 3° 20' 01.07"
Tangent = 37.5483'
Length = 75.0847'
Radius = 1,718.7200'
External = 0.4101'
Long Chord = 75.0787'
Mid. Ord. = 0.4100'
P.C. Station 593+41.89 N 1,749,584.4773 E 2,209,383.4799
P.T. Station 594+16.98 N 1,749,659.5081 E 2,209,386.1633
C.C. N 1,749,560.5790 E 2,211,102.0337

Course from PT 38H to PC 38I N 3° 17' 59.12" E Dist 0.3810'

Curve Data

Curve 38I
P.I. Station 594+48.73 N 1,749,691.2090 E 2,209,387.9910
Delta = 2° 10' 17.18" (LT)
Degree = 3° 27' 40.12"
Tangent = 31.3725'
Length = 62.7376'
Radius = 1,655.4000'
External = 0.2973'
Long Chord = 62.7338'
Mid. Ord. = 0.2972'
P.C. Station 594+17.36 N 1,749,659.8885 E 2,209,386.1852
P.T. Station 594+80.10 N 1,749,722.5755 E 2,209,388.6088
C.C. N 1,749,755.1729 E 2,207,733.5298

Course from PT 38I to PC 38A N 1° 07' 32.36" E Dist 83.9038'

38TH ST (CON'T)

Curve Data

Curve 38A
P.I. Station 596+53.11 N 1,749,895.5513 E 2,209,392.0156
Delta = 14° 11' 02.22" (LT)
Degree = 7° 59' 59.89"
Tangent = 89.1056'
Length = 177.3001'
Radius = 716.2000'
External = 5.5217'
Long Chord = 176.8477'
Mid. Ord. = 5.4795'
P.C. Station 595+64.00 N 1,749,806.4631 E 2,209,390.2571
P.T. Station 597+41.30 N 1,749,982.3545 E 2,209,371.8907
C.C. N 1,749,820.5975 E 2,208,674.1966

Course from PT 38A to PC 38B N 13° 03' 11.26" W Dist 421.3002'

Curve Data

Curve 38B
P.I. Station 602+65.83 N 1,750,493.3315 E 2,209,253.4232
Delta = 35° 00' 01.53" (LT)
Degree = 17° 30' 00.86"
Tangent = 103.2302'
Length = 199.9997'
Radius = 327.4000'
External = 15.8888'
Long Chord = 196.9045'
Mid. Ord. = 15.1534'
P.C. Station 601+62.60 N 1,750,392.7687 E 2,209,276.7382
P.T. Station 603+62.60 N 1,750,562.3342 E 2,209,176.6437
C.C. N 1,750,318.8240 E 2,208,957.7979

Curve Data

Curve 38C
P.I. Station 605+48.94 N 1,750,686.8920 E 2,209,038.0480
Delta = 29° 10' 04.62" (LT)
Degree = 7° 59' 59.89"
Tangent = 186.3422'
Length = 364.6008'
Radius = 716.2000'
External = 23.8445'
Long Chord = 360.6764'
Mid. Ord. = 23.0762'
P.C. Station 603+62.60 N 1,750,562.3342 E 2,209,176.6438
P.T. Station 607+27.20 N 1,750,728.1076 E 2,208,856.3210
C.C. N 1,750,029.6462 E 2,208,697.9101

Course from PT 38C to 16 N 77° 13' 17.41" W Dist 1,214.7812'

Point 16 N 1,750,996.7960 E 2,207,671.6270 Sta 619+41.98

Ending chain 38TH description

38TH AVE

Chain 38AVE contains:
31 CUR 38AVE1 CUR 38AVE2 CUR 38AVE3 CUR 38AVE4 CUR 38AVE5 50274 CUR 38AVE6 CUR-38AVE7 CUR 38AVE8 CUR 38AVE9 CUR 38AVE10 CUR 38AVE11 CUR 38AVE12 36

Beginning chain 38AVE description

Point 31 N 1,750,473.8441 E 2,209,246.1718 Sta 1+00.00

Course from 31 to PC 38AVE1 N 67° 45' 59.81" E Dist 133.4450'

Curve Data

Curve 38AVE1
P.I. Station 3+78.54 N 1,750,579.2400 E 2,209,504.0070
Delta = 33° 55' 24.96" (RT)
Degree = 12° 02' 37.09"
Tangent = 145.1000'
Length = 281.6724'
Radius = 475.7349'
External = 21.6359'
Long Chord = 277.5761'
Mid. Ord. = 20.6947'
P.C. Station 2+33.44 N 1,750,524.3370 E 2,209,369.6951
P.T. Station 5+15.12 N 1,750,549.8398 E 2,209,646.0973
C.C. N 1,750,083.9729 E 2,209,549.7038

Course from PT 38AVE1 to PC 38AVE2 S 78° 18' 35.23" E Dist 0.3003'

FILE NAME =	USER NAME = espino	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HORIZONTAL & VERTICAL CONTROL				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	(142-1JR & 142-1HB)	ROCK ISLAND	507	73
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64B84								
PLOT DATE = 3/11/2013		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				