

PROPOSED HORIZONTAL & VERTICAL CONTROL

41DR

Chain 41DR contains:
C087 CUR C038THST1 C089 CUR C040TH-3 CUR C040TH-4 C0100

Beginning chain 38STREL description
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Point C087 N 1,750,803.08 E 2,208,527.89 Sta 519+89.96

Course from C087 to PC C038THST1 S 3° 03' 21.12" W Dist 626.60'

Curve Data

Curve C038THST1
P.I. Station 531+37.60 N 1,749,657.07 E 2,208,466.71
Delta = 96° 59' 51.00" (LT)
Degree = 12° 25' 42.91"
Tangent = 521.04'
Length = 780.44'
Radius = 461.00'
External = 234.71'
Long Chord = 690.52'
Mid. Ord. = 155.52'
P.C. Station 526+16.56 N 1,750,177.37 E 2,208,494.49
P.T. Station 533+97.00 N 1,749,692.89 E 2,208,986.52
C.C. N 1,750,152.80 E 2,208,954.83

Course from PT C038THST1 to C089 N 86° 03' 30.12" E Dist 403.00'

Point C089 N 1,749,720.59 E 2,209,388.57 Sta 538+00.00

Course from C089 to PC C040TH-3 S 89° 56' 03.44" E Dist 192.70'

Curve Data

Curve C040TH-3
P.I. Station 540+48.50 N 1,749,720.30 E 2,209,637.07
Delta = 21° 04' 13.79" (LT)
Degree = 19° 05' 54.94"
Tangent = 55.79'
Length = 110.32'
Radius = 300.00'
External = 5.14'
Long Chord = 109.70'
Mid. Ord. = 5.06'
P.C. Station 539+92.70 N 1,749,720.37 E 2,209,581.27
P.T. Station 541+03.03 N 1,749,740.30 E 2,209,689.15
C.C. N 1,750,020.37 E 2,209,581.62

Curve Data

Curve C040TH-4
P.I. Station 541+59.11 N 1,749,760.40 E 2,209,741.50
Delta = 21° 10' 35.19" (RT)
Degree = 19° 05' 54.94"
Tangent = 56.08'
Length = 110.88'
Radius = 300.00'
External = 5.20'
Long Chord = 110.25'
Mid. Ord. = 5.11'
P.C. Station 541+03.03 N 1,749,740.30 E 2,209,689.15
P.T. Station 542+13.91 N 1,749,760.23 E 2,209,797.58
C.C. N 1,749,460.24 E 2,209,796.68

Course from PT C040TH-4 to C0100 S 89° 49' 42.04" E Dist 220.96'

Point C0100 N 1,749,759.57 E 2,210,018.54 Sta 544+34.87

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Ending chain 41DR description

39REL

Chain 39REL contains:
C050 C051

Beginning chain 39REL description
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Point C050 N 1,749,696.11 E 2,209,033.28 Sta 140+00.00

Course from C050 to C051 N 0° 37' 49.39" E Dist 418.29'

Point C051 N 1,750,114.38 E 2,209,037.88 Sta 144+18.29

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Ending chain 39REL description

40CONN_R

Chain 40CONN R contains:

Beginning chain 40CONN R description
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Point D100 N 1,749,589.01 E 2,208,522.10 Sta 821+00.00

Course from D100 to D101 S 42° 25' 54.33" E Dist 79.83

Point D101 N 1,749,530.09 E 2,208,575.96 Sta 821+79.83

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Ending chain 40CONN R description

41ST_AVE_DR

Chain 41ST_AVE_DR contains:
70010 CUR 71310 CUR 71320 CUR 71330 CUR 71340 71300

Beginning chain 41ST_AVE_DR description
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Point 70010 N 1,749,740.66 E 2,210,912.43 Sta 182+99.72

Course from 70010 to PC 71310 N 63° 37' 56.34" E Dist 182.74

Curve Data

Curve 71310
P.I. Station 185+21.71 N 1,749,839.26 E 2,211,111.33
Delta = 36° 13' 31.99" (RT)
Degree = 47° 44' 47.34"
Tangent = 39.25'
Length = 75.87'
Radius = 120.00'
External = 6.26'
Long Chord = 74.61'
Mid. Ord. = 5.95'
P.C. Station 184+82.46 N 1,749,821.83 E 2,211,076.16
P.T. Station 185+58.33 N 1,749,832.54 E 2,211,150.00
C.C. N 1,749,714.31 E 2,211,129.46
Back = N 63° 37' 56.34" E
Ahead = S 80° 08' 31.67" E
Chord Bear = N 81° 44' 42.34" E

41ST_AVE_DR (CON'T)

Course from PT 71310 to PC 71320 S 80° 08' 31.67" E Dist 402.92

Curve Data

Curve 71320
P.I. Station 191+74.75 N 1,749,727.00 E 2,211,757.32
Delta = 80° 59' 40.99" (RT)
Degree = 22° 55' 05.92"
Tangent = 213.50'
Length = 353.41'
Radius = 250.00'
External = 78.76'
Long Chord = 324.71'
Mid. Ord. = 59.89'
P.C. Station 189+61.25 N 1,749,763.56 E 2,211,546.98
P.T. Station 193+14.66 N 1,749,513.53 E 2,211,754.15
C.C. N 1,749,517.25 E 2,211,504.18
Back = S 80° 08' 31.67" E
Ahead = S 0° 51' 09.32" W
Chord Bear = S 39° 38' 41.17" E

Course from PT 71320 to PC 71330 S 0° 51' 09.32" W Dist 151.70

Curve Data

Curve 71330
P.I. Station 195+57.95 N 1,749,270.27 E 2,211,750.53
Delta = 49° 12' 35.85" (RT)
Degree = 28° 38' 52.40"
Tangent = 91.59'
Length = 171.78'
Radius = 200.00'
External = 19.97'
Long Chord = 166.54'
Mid. Ord. = 18.16'
P.C. Station 194+66.36 N 1,749,361.84 E 2,211,751.89
P.T. Station 196+38.13 N 1,749,211.47 E 2,211,680.30
C.C. N 1,749,364.82 E 2,211,551.91
Back = S 0° 51' 09.32" W
Ahead = S 50° 03' 45.18" W
Chord Bear = S 25° 27' 27.25" W

Course from PT 71330 to PC 71340 S 50° 03' 45.18" W Dist 39.31

Curve Data

Curve 71340
P.I. Station 198+76.32 N 1,749,058.57 E 2,211,497.67
Delta = 139° 10' 52.09" (LT)
Degree = 77° 25' 36.22"
Tangent = 198.88'
Length = 179.76'
Radius = 74.00'
External = 138.20'
Long Chord = 138.71'
Mid. Ord. = 48.19'
P.C. Station 196+77.44 N 1,749,186.24 E 2,211,650.16
P.T. Station 198+57.20 N 1,749,055.51 E 2,211,696.53
C.C. N 1,749,129.50 E 2,211,697.67
Back = S 50° 03' 45.18" W
Ahead = S 89° 07' 06.92" E
Chord Bear = S 19° 31' 40.87" E

Course from PT 71340 to 71300 S 89° 07' 06.92" E Dist 142.80

Point 71300 N 1,749,053.31 E 2,211,839.31 Sta 200+00.00

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Ending chain 41ST_AVE_DR description

FILE NAME =	USER NAME = espino	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HORIZONTAL & VERTICAL CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ni:\proj\0003393\00\contract\1\design\Misc\Sheets\0264884-sht-ATB.dgn		DRAWN -	REVISED -			595	(142-1)R & 142-1)B	ROCK ISLAND	507	78	
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.