

# PROPOSED HORIZONTAL & VERTICAL CONTROL

## TPARK

Chain TPARK contains:  
C091 D92 CUR COTPARK C093

Beginning chain TPARK description  
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Point C091 N 1,749,494.2256 E 2,208,109.7572 Sta 130+67.33  
Course from C091 to D92 N 86° 49' 59.59" E Dist 67.6682

Point D92 N 1,749,497.9638 E 2,208,177.3221 Sta 131+35.00  
Course from D92 to PC COTPARK N 85° 20' 00.90" E Dist 167.4941

Curve Data  
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**Curve COTPARK**  
P.I. Station 134+36.78 N 1,749,522.5155 E 2,208,478.1091

Delta = 48° 13' 50.83" (LT)  
Degree = 19° 05' 54.94"  
Tangent = 134.29'  
Length = 252.53'  
Radius = 300.00'  
External = 28.68'  
Long Chord = 245.14'  
Mid. Ord. = 26.18'

P.C. Station 133+02.49 N 1,749,511.5902 E 2,208,344.2611  
P.T. Station 135+55.03 N 1,749,629.6217 E 2,208,559.1211  
C.C. 1,749,810.5957 E 2,208,319.8547

Back = N 85° 20' 00.90" E  
Ahead = N 37° 06' 10.07" E  
Chord Bear = N 61° 13' 05.48" E

Course from PT COTPARK to C093 N 37° 06' 10.07" E Dist 194.9714

Point C093 N 1,749,785.1220 E 2,208,676.7370 Sta 137+50.00

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Ending chain TPARK description

## 38NORTH

Chain 38NORTH contains:  
C098 C099

Beginning chain 38NORTH description  
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Point C098 N 1,750,238.18 E 2,209,255.65 Sta 160+00.00

Course from C098 to C099 N 3° 31' 37.98" E Dist 394.81'

Point C099 N 1,750,632.25 E 2,209,279.94 Sta 163+94.81

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Ending chain 38NORTH description

## 38SOUTH

Chain 38SOUTH contains:  
C0114 CUR C038SOUTH1 CUR C038SOUTH2 C097

Beginning chain 38SOUTH description  
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Point C0114 N 1,749,130.65 E 2,209,377.17 Sta 149+02.29

Course from C0114 to PC C038SOUTH1 N 0° 47' 48.15" E Dist 453.87'

Curve Data  
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**Curve C038SOUTH1**  
P.I. Station 153+93.71 N 1,749,622.02 E 2,209,384.00

Delta = 2° 30' 10.97" (RT)  
Degree = 3° 20' 01.07"  
Tangent = 37.55'  
Length = 75.08'  
Radius = 1,718.72'  
External = 0.41'  
Long Chord = 75.08'  
Mid. Ord. = 0.41'

P.C. Station 153+56.16 N 1,749,584.48 E 2,209,383.48  
P.T. Station 154+31.24 N 1,749,659.51 E 2,209,386.16  
C.C. N 1,749,560.58 E 2,211,102.03

Curve Data  
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**Curve C038SOUTH2**  
P.I. Station 154+63.00 N 1,749,691.21 E 2,209,387.99

Delta = 2° 10' 17.18" (LT)  
Degree = 3° 25' 10.60"  
Tangent = 31.75'  
Length = 63.50'  
Radius = 1,675.51'  
External = 0.30'  
Long Chord = 63.50'  
Mid. Ord. = 0.30'

P.C. Station 154+31.24 N 1,749,659.51 E 2,209,386.16  
P.T. Station 154+94.74 N 1,749,722.96 E 2,209,388.62  
C.C. N 1,749,755.95 E 2,207,713.44

Course from PT C038SOUTH2 to C097 N 1° 07' 41.94" E Dist 505.26'

Point C097 N 1,750,228.12 E 2,209,398.57 Sta 160+00.00

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Ending chain 38SOUTH description

## COAL

Chain COAL contains:  
106 102 CUR COAL1 CUR COAL2 103

Beginning chain COAL description  
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Point 106 N 1,750,943.94 E 2,207,907.77 Sta 8+00.00

Course from 106 to 102 S 77° 12' 08.23" E Dist 200.00'

Point 102 N 1,750,899.64 E 2,208,102.80 Sta 10+00.00

Course from 102 to PC COAL1 S 77° 12' 08.33" E Dist 1,475.71'

Curve Data  
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**Curve COAL1**  
P.I. Station 28+35.98 N 1,750,492.95 E 2,209,893.17

Delta = 7° 11' 45.58" (LT)  
Degree = 1° 00' 00.00"  
Tangent = 360.27'  
Length = 719.60'  
Radius = 5,729.58'  
External = 11.32'  
Long Chord = 719.13'  
Mid. Ord. = 11.29'

P.C. Station 24+75.71 N 1,750,572.76 E 2,209,541.85  
P.T. Station 31+95.31 N 1,750,457.78 E 2,210,251.73  
C.C. N 1,756,160.00 E 2,210,811.00

Course from PT COAL1 to PC COAL2 S 84° 23' 53.91" E Dist 1,278.61'

Curve Data  
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**Curve COAL2**  
P.I. Station 47+74.76 N 1,750,303.61 E 2,211,823.63

Delta = 2° 59' 53.99" (RT)  
Degree = 0° 29' 54.36"  
Tangent = 300.84'  
Length = 601.55'  
Radius = 11,495.20'  
External = 3.94'  
Long Chord = 601.48'  
Mid. Ord. = 3.93'

P.C. Station 44+73.92 N 1,750,332.98 E 2,211,524.23  
P.T. Station 50+75.47 N 1,750,258.62 E 2,212,121.10  
C.C. N 1,738,892.67 E 2,210,402.15

Course from PT COAL2 to 103 S 81° 24' 00.00" E Dist 324.53'

Point 103 N 1,750,210.10 E 2,212,441.98 Sta 54+00.00

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Ending chain COAL description

FILE NAME =	USER NAME = espino	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED HORIZONTAL &amp; VERTICAL CONTROL</b>			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	79
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 64B84			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/11/2013	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			