

HORIZONTAL & VERTICAL CONTROL

Chain XOVER contains:
CUR 70280 CUR 70290

Beginning chain XOVER description

Curve Data
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Curve 70280

P.I. Station 0+89.5252 N 2,112,400.0979 E 2,183,092.3301
Delta = 6° 49' 52.0388" (LT)
Degree = 3° 49' 10.9871"
Tangent = 89.5252'
Length = 178.8384'
Radius = 1,500.0000'
External = 2.6692'
Long Chord = 178.7324'
Mid. Ord. = 2.6645'
P.C. Station 0+00.0000 N 2,112,410.5187 E 2,183,003.4134
P.T. Station 1+78.8384 N 2,112,400.3272 E 2,183,181.8550
C.C. N 2,113,900.3223 E 2,183,178.0131

Course from PT 70280 to PC 70290 89° 51' 10.9617" Dist 395.6179'

Curve Data
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Curve 70290

P.I. Station 6+93.9823 N 2,112,401.6485 E 2,183,696.9973
Delta = 9° 06' 42.7205" (RT)
Degree = 3° 49' 10.9871"
Tangent = 119.5261'
Length = 238.5481'
Radius = 1,500.0000'
External = 4.7546'
Long Chord = 238.2968'
Mid. Ord. = 4.7396'
P.C. Station 5+74.4562 N 2,112,401.3419 E 2,183,577.4716
P.T. Station 8+13.0043 N 2,112,383.0228 E 2,183,815.0632
C.C. N 2,110,901.3469 E 2,183,581.3188

Ending chain XOVER description

Chain PE258+90RT contains:
70600 CUR 70250 CUR 70260 CUR 70270 70601

Beginning chain PE258+90RT description
Description: Proposed US 20 Eastbound HYD

Point 70600 N 2,110,193.3160 E 2,186,382.8264 Sta 0+00.0000

Course from 70600 to PC 70250 212° 07' 54.7114" Dist 29.3612'

Curve Data
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Curve 70250

P.I. Station 0+47.6749 N 2,110,152.9436 E 2,186,357.4695
Delta = 33° 56' 50.5254" (RT)
Degree = 95° 29' 34.6771"
Tangent = 18.3137'
Length = 35.5496'
Radius = 60.0000'
External = 2.7327'
Long Chord = 35.0319'
Mid. Ord. = 2.6137'
P.C. Station 0+29.3612 N 2,110,168.4522 E 2,186,367.2100
P.T. Station 0+64.9108 N 2,110,145.5179 E 2,186,340.7288
C.C. N 2,110,200.3643 E 2,186,316.4004

Course from PT 70250 to PC 70260 246° 04' 45.3314" Dist 41.5751'

Curve Data
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Curve 70260

P.I. Station 1+23.4487 N 2,110,121.7824 E 2,186,287.2190
Delta = 31° 34' 20.7838" (LT)
Degree = 95° 29' 34.6771"
Tangent = 16.9627'
Length = 33.0626'
Radius = 60.0000'
External = 2.3517'
Long Chord = 32.6459'
Mid. Ord. = 2.2630'
P.C. Station 1+06.4859 N 2,110,128.6603 E 2,186,302.7247
P.T. Station 1+39.5485 N 2,110,107.8042 E 2,186,277.6095
C.C. N 2,110,073.8139 E 2,186,327.0530

Course from PT 70260 to PC 70270 214° 30' 24.5469" Dist 11.2139'

Curve Data
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Curve 70270

P.I. Station 1+60.3048 N 2,110,090.6997 E 2,186,265.8510
Delta = 18° 04' 24.0017" (LT)
Degree = 95° 29' 34.6771"
Tangent = 9.5424'
Length = 18.9264'
Radius = 60.0000'
External = 0.7541'
Long Chord = 18.8480'
Mid. Ord. = 0.7447'
P.C. Station 1+50.7624 N 2,110,098.5633 E 2,186,271.2568
P.T. Station 1+69.6888 N 2,110,081.5471 E 2,186,263.1514
C.C. N 2,110,064.5730 E 2,186,320.7003

Course from PT 70270 to 70601 196° 26' 00.5455" Dist 28.8176'

Point 70601 N 2,110,053.9067 E 2,186,254.9988 Sta 1+98.5064

Ending chain PE258+90RT description

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr\pwork\pwork\cushmanbw\d0117386\020	2808-ATB.dgn	DRAWN -	REVISED -			301	31T	JO DAVIESS	160	27	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 64D92					
PLOT DATE = Wed Dec 09 11:18:31 2009	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.