

# EXISTING HORIZONTAL & VERTICAL CONTROL

Chain US\_6 contains:  
65 CUR 200 CUR 210 49

Beginning chain US\_6 description  
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Point 65 N 1,744,871.6634 E 2,239,475.4060 Sta 157+41.34  
Course from 65 to PC 200 96° 10' 13.56" Dist 1,886.6955'

Curve Data  
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**Curve 200**

P.I. Station 182+80.10 N 1,744,598.7811 E 2,241,999.4606  
Delta = 6° 31' 31.34" (RT)  
Degree = 0° 30' 03.25"  
Tangent = 652.0672'  
Length = 1,302.7245'  
Radius = 11,438.5205'  
External = 18.5709'  
Long Chord = 1,302.0206'  
Mid. Ord. = 18.5408'  
P.C. Station 176+28.03 N 1,744,668.8694 E 2,241,351.1710  
P.T. Station 189+30.76 N 1,744,455.4731 E 2,242,635.5852  
C.C. N 1,733,296.6173 E 2,240,121.6863

Course from PT 200 to PC 210 102° 41' 44.91" Dist 1,132.5706'

Curve Data  
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**Curve 210**

P.I. Station 205+91.27 N 1,744,090.5332 E 2,244,255.5040  
Delta = 10° 33' 05.13" (LT)  
Degree = 1° 00' 07.64"  
Tangent = 527.9469'  
Length = 1,052.9080'  
Radius = 5,717.4436'  
External = 24.3235'  
Long Chord = 1,051.4208'  
Mid. Ord. = 24.2204'  
P.C. Station 200+63.33 N 1,744,206.5626 E 2,243,740.4651  
P.T. Station 211+16.23 N 1,744,070.7786 E 2,244,783.0812  
C.C. N 1,749,784.2183 E 2,244,997.0152

Course from PT 210 to 49 92° 08' 39.77" Dist 2,613.7486'

Point 49 N 1,743,972.9779 E 2,247,394.9994 Sta 237+29.98

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Ending chain US\_6 description

Chain IL\_84 contains:  
230 CUR 220 56

Beginning chain IL\_84 description  
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Point 230 N 1,744,128.9299 E 2,244,156.2569 Sta 0+00.00  
Course from 230 to PC 220 12° 41' 10.76" Dist 262.5027'

Curve Data  
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**Curve 220**

P.I. Station 4+13.01 N 1,744,531.8555 E 2,244,246.9590  
Delta = 13° 20' 39.16" (LT)  
Degree = 4° 27' 11.78"  
Tangent = 150.5057'  
Length = 299.6495'  
Radius = 1,286.5994'  
External = 8.7731'  
Long Chord = 298.9728'  
Mid. Ord. = 8.7137'  
P.C. Station 2+62.50 N 1,744,385.0241 E 2,244,213.9060  
P.T. Station 5+62.15 N 1,744,682.3513 E 2,244,245.2309  
C.C. N 1,744,667.5785 E 2,242,958.7164

Course from PT 220 to 56 359° 20' 31.60" Dist 4,059.8347'

Point 56 N 1,748,741.9184 E 2,244,198.6155 Sta 46+21.99

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Ending chain IL\_84 description

Chain E\_400THSTR contains:  
64 240

Beginning chain E\_400THSTR description  
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Point 64 N 1,742,797.9824 E 2,244,156.1757 Sta 86+68.88

Course from 64 to 240 359° 57' 11.95" Dist 1,331.1214'

Point 240 N 1,744,129.1034 E 2,244,155.0912 Sta 100+00.00

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Ending chain E\_400THSTR description

Chain SLIPRAMP contains:  
70001 CUR 70310 CUR 70320 CUR 70330 CUR 70340 CUR 70350 CUR 70360 70002

Beginning chain SLIPRAMP description  
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Point 70001 N 1,744,080.8085 E 2,244,945.3602 Sta 1000+00.00  
Course from 70001 to PC 70310 275° 53' 33.74" Dist 162.1369'

Curve Data  
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**Curve 70310**

P.I. Station 1003+40.26 N 1,744,115.7415 E 2,244,606.8996  
Delta = 3° 34' 47.11" (RT)  
Degree = 1° 00' 18.68"  
Tangent = 178.1217'  
Length = 356.1274'  
Radius = 5,700.0000'  
External = 2.7824'  
Long Chord = 356.0695'  
Mid. Ord. = 2.7811'  
P.C. Station 1001+62.14 N 1,744,097.4544 E 2,244,784.0800  
P.T. Station 1005+18.26 N 1,744,145.0556 E 2,244,431.2067  
C.C. N 1,749,767.3350 E 2,245,369.2758

Curve Data  
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**Curve 70320**

P.I. Station 1005+80.88 N 1,744,155.3603 E 2,244,369.4455  
Delta = 14° 16' 33.45" (RT)  
Degree = 11° 27' 32.96"  
Tangent = 62.6149'  
Length = 124.5812'  
Radius = 500.0000'  
External = 3.9054'  
Long Chord = 124.2592'  
Mid. Ord. = 3.8751'  
P.C. Station 1005+18.26 N 1,744,145.0556 E 2,244,431.2067  
P.T. Station 1006+42.85 N 1,744,180.5767 E 2,244,312.1327  
C.C. N 1,744,638.2380 E 2,244,513.4934

Curve Data  
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**Curve 70330**

P.I. Station 1007+33.96 N 1,744,217.2689 E 2,244,228.7371  
Delta = 60° 53' 41.71" (RT)  
Degree = 36° 57' 54.07"  
Tangent = 91.1106'  
Length = 164.7366'  
Radius = 155.0000'  
External = 24.7947'  
Long Chord = 157.0919'  
Mid. Ord. = 21.3754'  
P.C. Station 1006+42.85 N 1,744,180.5767 E 2,244,312.1327  
P.T. Station 1008+07.58 N 1,744,307.9816 E 2,244,220.2314  
C.C. N 1,744,322.4517 E 2,244,374.5545

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING HORIZONTAL &amp; VERTICAL CONTROL SHEETS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwork\cushmenbw\d0333009\0201709-sh1-ATB.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64J43
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -										
	PLOT DATE = Fri Aug 01 11:25:06 2014	DATE -	REVISED -										