

# PROPOSED HORIZONTAL & VERTICAL CONTROL

Chain PUS\_6 contains:  
G65 CUR G200 CUR 70260 G49

Beginning chain PUS\_6 description  
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Point G65 N 1,744,871.6634 E 2,239,475.4060 Sta 157+41.34  
Course from G65 to PC G200 96° 10' 13.56" Dist 1,886.6955'

Curve Data  
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Curve G200  
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 G200 to PC 70260 102° 41' 44.91" Dist 552.4413'

Curve Data  
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Curve 70260  
P.I. Station 205+91.27 N 1,744,090.5332 E 2,244,255.5040  
Delta = 10° 33' 05.13" (LT)  
Degree = 0° 28' 38.87"  
Tangent = 1,108.0761'  
Length = 2,209.8855'  
Radius = 12,000.0000'  
External = 51.0511'  
Long Chord = 2,206.7641'  
Mid. Ord. = 50.8348'  
P.C. Station 194+83.20 N 1,744,334.0604 E 2,243,174.5197  
P.T. Station 216+93.08 N 1,744,049.0714 E 2,245,362.8041  
C.C. N 1,756,040.6679 E 2,245,811.8176

Course from PT 70260 to G49 92° 08' 39.77" Dist 2,033.6194'

Point G49 N 1,743,972.9779 E 2,247,394.9994 Sta 237+26.70

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Ending chain PUS\_6 description

Chain PIL\_84 contains:  
70240 CUR 70250 G56

Beginning chain PIL\_84 description  
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Point 70240 N 1,744,155.1019 E 2,244,158.5421 Sta 0+29.95  
Course from 70240 to PC 70250 8° 28' 19.49" Dist 249.1069'

Curve Data  
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Curve 70250  
P.I. Station 6+14.40 N 1,744,733.1720 E 2,244,244.6473  
Delta = 9° 07' 47.90" (LT)  
Degree = 1° 21' 51.07"  
Tangent = 335.3408'  
Length = 669.2619'  
Radius = 4,200.0000'  
External = 13.3660'  
Long Chord = 668.5540'  
Mid. Ord. = 13.3236'  
P.C. Station 2+79.06 N 1,744,401.4905 E 2,244,195.2424  
P.T. Station 9+48.32 N 1,745,068.4907 E 2,244,240.7969  
C.C. N 1,745,020.2659 E 2,240,041.0738

Course from PT 70250 to G56 359° 20' 31.60" Dist 3,673.6698'

Point G56 N 1,748,741.9184 E 2,244,198.6155 Sta 46+21.99

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Ending chain PIL\_84 description

Chain P\_400THSTR contains:  
G64 CUR 70210 CUR 70220 70230

Beginning chain P\_400THSTR description  
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Point G64 N 1,742,797.9824 E 2,244,156.1757 Sta 86+68.88  
Course from G64 to PC 70210 359° 57' 11.95" Dist 489.5734'

Curve Data  
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Curve 70210  
P.I. Station 92+36.35 N 1,743,365.4510 E 2,244,155.7134  
Delta = 8° 21' 59.27" (LT)  
Degree = 5° 22' 47.59"  
Tangent = 77.8954'  
Length = 155.5138'  
Radius = 1,065.0000'  
External = 2.8449'  
Long Chord = 155.3757'  
Mid. Ord. = 2.8373'  
P.C. Station 91+58.45 N 1,743,287.5557 E 2,244,155.7768  
P.T. Station 93+13.97 N 1,743,442.5081 E 2,244,144.3165  
C.C. N 1,743,286.6880 E 2,243,090.7772

Course from PT 70210 to PC 70220 351° 35' 12.68" Dist 172.0000'

Curve Data  
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Curve 70220  
P.I. Station 96+26.97 N 1,743,752.1456 E 2,244,098.5206  
Delta = 16° 53' 06.81" (RT)  
Degree = 6° 01' 52.08"  
Tangent = 141.0058'  
Length = 279.9677'  
Radius = 950.0000'  
External = 10.4075'  
Long Chord = 278.9556'  
Mid. Ord. = 10.2948'  
P.C. Station 94+85.97 N 1,743,612.6572 E 2,244,119.1512  
P.T. Station 97+65.93 N 1,743,891.6127 E 2,244,119.2947  
C.C. N 1,743,751.6516 E 2,245,058.9280

Course from PT 70220 to 70230 8° 28' 19.49" Dist 266.3961'

Point 70230 N 1,744,155.1019 E 2,244,158.5421 Sta 100+32.33

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Ending chain P\_400THSTR description

|  |                                      |            |            |   |  |                    |         |        |                           |              |
|--|--------------------------------------|------------|------------|---|--|--------------------|---------|--------|---------------------------|--------------|
| FILE NAME =  | USER NAME = cushmenbw                | DESIGNED - | REVISED -  | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED HORIZONTAL &amp; VERTICAL<br/>CONTROL SHEETS</b> | F.A.U.<br>RTE.     | SECTION | COUNTY | TOTAL<br>SHEETS           | SHEET<br>NO. |
| ct:\pw\work\p\dot\cushmenbw\d0333009\0201709-sh1-ATB.dgn | DRAWN -                              | REVISIED - | *          |   |  | 2R-1               | HENRY   | 235    | 29                        |              |
| Default  | PLOT SCALE = 100.0000' / 1in.        | CHECKED -  | REVISIED - |   |  | CONTRACT NO. 64J43 |         |        | ILLINOIS FED. AID PROJECT |              |
|  | PLOT DATE = Fri Aug 01 11:25:50 2014 | DATE -     | REVISIED - |   |  | SCALE:             | SHEET   | OF     | SHEETS                    | STA.         |