

HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 1350
 P.I. Station 573+56.9193 N 2,108,085.5099 E 2,216,872.2984
 Delta = 7° 53' 39.4706" (RT)
 Degree = 1° 24' 30.2264"
 Tangent = 280.7026'
 Length = 560.5168'
 Radius = 4,068.1577'
 External = 9.6727'
 Long Chord = 560.0735'
 Mid. Ord. = 9.6498'
 P.C. Station 570+76.2167 N 2,108,060.1233 E 2,216,592.7461
 P.T. Station 576+36.7335 N 2,108,072.2605 E 2,217,152.6881
 C.C. N 2,104,008.6371 E 2,216,960.6684

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 Ending chain EBUS20 description

Chain PEBUS20 contains:
 70201 CUR 70210 CUR 70220 CUR 70230 CUR 70240 70202

Beginning chain PEBUS20 description
 Description: Proposed US 20 Eastbound HYD
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Point 70201 N 2,112,439.0305 E 2,182,710.1298 Sta 213+28.4518

Course from 70201 to PC 70210 96° 41' 04.5221" Dist 1,033.9474'

Curve Data

Curve 70210
 Description: Proposed US 20 Eastbound HYD
 P.I. Station 230+49.6944 N 2,112,238.6717 E 2,184,419.6714
 Delta = 32° 20' 10.2766" (RT)
 Degree = 2° 25' 00.9096"
 Tangent = 687.2951'
 Length = 1,337.9093'
 Radius = 2,370.6120'
 External = 97.6214'
 Long Chord = 1,320.2237'
 Mid. Ord. = 93.7603'
 P.C. Station 223+62.3992 N 2,112,318.6753 E 2,183,737.0484
 P.T. Station 237+00.3085 N 2,111,805.9492 E 2,184,953.6431
 C.C. N 2,109,964.1788 E 2,183,461.1007

Course from PT 70210 to PC 70220 129° 01' 14.7987" Dist 748.4016'

Curve Data

Curve 70220
 Description: Proposed US 20 Eastbound HYD
 P.I. Station 247+10.1090 N 2,111,170.1766 E 2,185,738.1750
 Delta = 24° 28' 44.0778" (RT)
 Degree = 4° 45' 17.4113"
 Tangent = 261.3989'
 Length = 514.8213'
 Radius = 1,205.0000'
 External = 28.0265'
 Long Chord = 510.9147'
 Mid. Ord. = 27.3895'
 P.C. Station 244+48.7101 N 2,111,334.7539 E 2,185,535.0895
 P.T. Station 249+63.5314 N 2,110,936.2423 E 2,185,854.8119
 C.C. N 2,110,398.5681 E 2,184,776.4189

Course from PT 70220 to PC 70230 153° 29' 58.8765" Dist 398.1583'

Curve Data

Curve 70230
 Description: Proposed US 20 Eastbound HYD
 P.I. Station 264+65.3095 N 2,109,592.2532 E 2,186,524.9093
 Delta = 97° 40' 02.6553" (LT)
 Degree = 5° 56' 14.5913"
 Tangent = 1,103.6198'
 Length = 1,644.9562'
 Radius = 965.0000'
 External = 501.0156'
 Long Chord = 1,452.9083'
 Mid. Ord. = 329.7919'
 P.C. Station 253+61.6897 N 2,110,579.9177 E 2,186,032.4712
 P.T. Station 270+06.6459 N 2,110,212.0651 E 2,187,438.0412
 C.C. N 2,111,010.5033 E 2,186,896.0805

Course from PT 70230 to PC 70240 55° 49' 56.2212" Dist 268.0000'

Curve Data

Curve 70240
 Description: Proposed US 20 Eastbound HYD
 P.I. Station 274+79.1110 N 2,110,477.4097 E 2,187,828.9575
 Delta = 19° 15' 37.8593" (RT)
 Degree = 4° 45' 17.4113"
 Tangent = 204.4651'
 Length = 405.0721'
 Radius = 1,205.0000'
 External = 17.2238'
 Long Chord = 403.1675'
 Mid. Ord. = 16.9811'
 P.C. Station 272+74.6458 N 2,110,362.5785 E 2,187,659.7836
 P.T. Station 276+79.7180 N 2,110,530.0092 E 2,188,026.5411
 C.C. N 2,109,365.5649 E 2,188,336.5324

Course from PT 70240 to 70202 75° 05' 34.0805" Dist 850.1676'

Point 70202 N 2,110,748.7184 E 2,188,848.0952 Sta 285+29.8855

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 Ending chain PEBUS20 description

Chain CROSSOVER contains:
 70604 70605

Beginning chain CROSSOVER description
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Point 70604 N 2,111,213.0723 E 2,185,664.4549 Sta 0+00.0000

Course from 70604 to 70605 17° 29' 48.3029" Dist 196.6887'

Point 70605 N 2,111,400.6610 E 2,185,723.5898 Sta 1+96.6887

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 Ending chain CROSSOVER description

Chain ACCESSRDA contains:
 70602 70603

Beginning chain ACCESSRDA description
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Point 70602 N 2,110,491.9872 E 2,187,908.5161 Sta 0+00.0000

Course from 70602 to 70603 327° 29' 09.4834" Dist 149.2281'

Point 70603 N 2,110,617.8252 E 2,187,828.3051 Sta 1+49.2281

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 Ending chain ACCESSRDA description

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|---|--------------------------------------|------------|-----------|---|--|--|--|--|---------------------------|---------|------------|-----------------|--------------|
| 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. |
| ct:\p\work\p\dot\cushmanbw\d0117386\028 | 2809-ATB.dgn | DRAWN - | REVISED - | | | | | | 301 | 31T | JO DAVIESS | 160 | 26 |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | | CONTRACT NO. 64D92 | | | | |
| | PLOT DATE = Wed Dec 09 11:18:31 2009 | DATE - | REVISED - | | | | | | ILLINOIS FED. AID PROJECT | | | | |