

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1) RS-1

PROPOSED CONTROL

Chain PRUS52 contains:
S35 CUR S200 CUR S210 CUR S220 CUR S230 CUR S240 CUR S250 CUR S260 CUR S270 CUR S280 CUR S290 CUR S300 CUR S310 CUR S320 CUR S330 CUR S340 CUR S350 CUR S360 CUR S370 CUR S380 CUR 50390 CUR 52200 CUR 52210 CUR S1210 CUR S1220 CUR S1230 CUR S1240 S147

Beginning chain PRUS52 description
=====

Point S35 N 1,975,085.8640 E 2,305,286.1930 Sta 113+41.2391

Course from S35 to PC S200 75° 43' 24.7036" Dist 212.0277'

Curve Data

Curve S200
P.I. Station 117+00.6714 N 1,975,174.5004 E 2,305,634.5249
Delta = 16° 39' 07.9922" (LT)
Degree = 5° 41' 18.8611"
Tangent = 147.4046'
Length = 292.7311'
Radius = 1,007.2084'
External = 10.7292'
Long Chord = 291.7019'
Mid. Ord. = 10.6161'
P.C. Station 115+53.2668 N 1,975,138.1502 E 2,305,491.6726
P.T. Station 118+45.9978 N 1,975,250.2620 E 2,305,760.9697
C.C. N 1,976,114.2531 E 2,305,243.2940

Course from PT S200 to PC S210 59° 04' 16.7115" Dist 196.9248'

Curve Data

Curve S210
P.I. Station 123+08.0029 N 1,975,487.7192 E 2,306,157.2812
Delta = 51° 48' 15.5803" (LT)
Degree = 10° 29' 47.2134"
Tangent = 265.0802'
Length = 493.5415'
Radius = 545.8587'
External = 60.9603'
Long Chord = 476.9012'
Mid. Ord. = 54.8363'
P.C. Station 120+42.9227 N 1,975,351.4757 E 2,305,929.8934
P.T. Station 125+36.4642 N 1,975,750.6702 E 2,306,190.8120
C.C. N 1,975,819.7175 E 2,305,649.3379

Course from PT S210 to PC S220 7° 16' 01.1312" Dist 1,480.8831'

Curve Data

Curve S220
P.I. Station 146+99.6500 N 1,977,896.4802 E 2,306,464.4398
Delta = 59° 02' 16.1718" (RT)
Degree = 4° 45' 16.8757"
Tangent = 682.3027'
Length = 1,241.6762'
Radius = 1,205.0377'
External = 179.7557'
Long Chord = 1,187.4703'
Mid. Ord. = 156.4222'
P.C. Station 140+17.3472 N 1,977,219.6581 E 2,306,378.1333
P.T. Station 152+59.0234 N 1,978,170.6778 E 2,307,089.2219
C.C. N 1,977,067.2293 E 2,307,573.4915

Course from PT S220 to PC S230 66° 18' 17.3030" Dist 1,040.8401'

Curve Data

Curve S230
P.I. Station 166+37.4765 N 1,978,724.6381 E 2,308,351.4663
Delta = 23° 58' 00.0682" (RT)
Degree = 3° 36' 07.5891"
Tangent = 337.6130'
Length = 665.3517'
Radius = 1,590.6180'
External = 35.4349'
Long Chord = 660.5115'
Mid. Ord. = 34.6627'
P.C. Station 162+99.8635 N 1,978,588.9613 E 2,308,042.3153
P.T. Station 169+65.2152 N 1,978,723.0384 E 2,308,689.0755
C.C. N 1,977,132.4382 E 2,308,681.5385

Course from PT S230 to PC S240 90° 16' 17.3712" Dist 3,611.5314'

Curve Data

Curve S240
P.I. Station 211+53.2938 N 1,978,703.1935 E 2,312,877.1071
Delta = 28° 20' 52.8578" (RT)
Degree = 2° 30' 35.4213"
Tangent = 576.5472'
Length = 1,129.4754'
Radius = 2,282.8466'
External = 71.6800'
Long Chord = 1,117.9902'
Mid. Ord. = 69.4978'
P.C. Station 205+76.7466 N 1,978,705.9255 E 2,312,300.5664
P.T. Station 217+06.2220 N 1,978,427.0327 E 2,313,383.2117
C.C. N 1,976,423.1045 E 2,312,289.7493

Course from PT S240 to PC S250 118° 37' 10.2290" Dist 339.7409'

Curve Data

Curve S250
P.I. Station 225+45.8182 N 1,978,024.8739 E 2,314,120.2261
Delta = 9° 59' 33.6063" (LT)
Degree = 1° 00' 07.5506"
Tangent = 499.8553'
Length = 997.1754'
Radius = 5,717.5859'
External = 21.8081'
Long Chord = 995.9121'
Mid. Ord. = 21.7253'
P.C. Station 220+45.9629 N 1,978,264.3000 E 2,313,681.4431
P.T. Station 230+43.1383 N 1,977,865.2185 E 2,314,593.8985
C.C. N 1,983,283.3109 E 2,316,420.1140

Course from PT S250 to PC S260 108° 37' 36.6226" Dist 309.4600'

Curve Data

Curve S260
P.I. Station 237+15.7805 N 1,977,650.3744 E 2,315,231.3069
Delta = 18° 00' 54.4779" (RT)
Degree = 2° 30' 02.9357"
Tangent = 363.1822'
Length = 720.3703'
Radius = 2,291.0838'
External = 28.6072'
Long Chord = 717.4066'
Mid. Ord. = 28.2544'
P.C. Station 233+52.5983 N 1,977,766.3759 E 2,314,887.1486
P.T. Station 240+72.9686 N 1,977,433.6226 E 2,315,522.7172
C.C. N 1,975,595.3016 E 2,314,155.3690

Course from PT S260 to PC S270 126° 38' 31.1005" Dist 767.6800'

Curve Data

Curve S270
P.I. Station 255+61.5204 N 1,976,545.2358 E 2,316,717.1021
Delta = 21° 49' 51.9056" (LT)
Degree = 1° 31' 58.0929"
Tangent = 720.8717'
Length = 1,424.2585'
Radius = 3,737.9727'
External = 68.8759'
Long Chord = 1,415.6586'
Mid. Ord. = 67.6297'
P.C. Station 248+40.6487 N 1,976,975.4613 E 2,316,138.6887
P.T. Station 262+64.9072 N 1,976,360.9597 E 2,317,414.0228
C.C. N 1,979,974.7377 E 2,318,369.5588

Course from PT S270 to PC S280 104° 48' 39.1950" Dist 614.8733'

Curve Data

Curve S280
P.I. Station 273+84.6286 N 1,976,074.7259 E 2,318,496.5413
Delta = 10° 09' 15.3533" (RT)
Degree = 1° 00' 29.9365"
Tangent = 504.8482'
Length = 1,007.0522'
Radius = 5,682.3255'
External = 22.3826'
Long Chord = 1,005.7347'
Mid. Ord. = 22.2948'
P.C. Station 268+79.7805 N 1,976,203.7800 E 2,318,008.4668
P.T. Station 278+86.8326 N 1,975,861.6462 E 2,318,954.2188
C.C. N 1,970,710.2507 E 2,316,555.8970

Course from PT S280 to PC S290 114° 57' 54.5482" Dist 426.5097'

Curve Data

Curve S290
P.I. Station 287+78.7324 N 1,975,485.2048 E 2,319,762.7836
Delta = 13° 54' 51.4453" (LT)
Degree = 1° 30' 08.2684"
Tangent = 465.3901'
Length = 926.2012'
Radius = 3,813.8789'
External = 28.2898'
Long Chord = 923.9269'
Mid. Ord. = 28.0815'
P.C. Station 283+13.3423 N 1,975,681.6305 E 2,319,340.8774
P.T. Station 292+39.5435 N 1,975,395.9986 E 2,320,219.5442
C.C. N 1,979,139.1583 E 2,320,950.5897

Course from PT S290 to PC S300 101° 03' 03.1030" Dist 149.6541'

Curve Data

Curve S300
P.I. Station 300+20.8975 N 1,975,246.2285 E 2,320,986.4099
Delta = 5° 07' 11.6191" (LT)
Degree = 0° 24' 19.8618"
Tangent = 631.7000'
Length = 1,262.5592'
Radius = 14,129.0641'
External = 14.1144'
Long Chord = 1,262.1392'
Mid. Ord. = 14.1003'
P.C. Station 293+89.1975 N 1,975,367.3129 E 2,320,366.4233
P.T. Station 306+51.7567 N 1,975,180.9548 E 2,321,614.7285
C.C. N 1,989,234.3877 E 2,323,074.6868

Course from PT S300 to PC S310 95° 55' 51.4839" Dist 1,322.8454'

Curve Data

Curve S310
P.I. Station 327+94.7515 N 1,974,959.5188 E 2,323,746.2520
Delta = 16° 19' 42.1528" (RT)
Degree = 1° 00' 08.0776"
Tangent = 820.1493'
Length = 1,629.1820'
Radius = 5,716.7508'
External = 58.5314'
Long Chord = 1,623.6745'
Mid. Ord. = 57.9382'
P.C. Station 319+74.6022 N 1,975,044.2650 E 2,322,930.4929
P.T. Station 336+03.7842 N 1,974,648.8466 E 2,324,505.2828
C.C. N 1,969,358.1153 E 2,322,339.7802

Course from PT S310 to PC S320 112° 15' 33.6367" Dist 414.9867'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

HORIZONTAL & VERTICAL CONTROL

PLT DATE = Fri Mar 23 06:16:53 2007
FILE NAME = s:\projects\207480\JOB7480\vs.dgn
PLT SCALE = 50.0000 / IN.
USER NAME = harsman