

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# EXISTING CONTROL

Chain EXUS52 contains:  
 35 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260 CUR 270 CUR 280 CUR-  
 290 CUR 300 CUR 310 CUR 320 CUR 330 CUR 340 CUR 350 CUR 360 CUR 370 CUR 380 CUR  
 R 390 CUR 1200 CUR 1210 CUR 1220 CUR 1230 CUR 1240 147

Beginning chain EXUS52 description  
 =====

Point 35 N 1,975,085.8640 E 2,305,286.1930 Sta 113+41.2391  
 Course from 35 to PC 200 75° 43' 24.7036" Dist 212.0277'

### Curve Data

Curve 200  
 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 200 to PC 210 59° 04' 16.7115" Dist 196.9248'

### Curve Data

Curve 210  
 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 210 to PC 220 7° 16' 01.1312" Dist 1,480.8831'

### Curve Data

Curve 220  
 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 220 to PC 230 66° 18' 17.3030" Dist 1,040.8401'

### Curve Data

Curve 230  
 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 230 to PC 240 90° 16' 17.3712" Dist 3,611.5314'

### Curve Data

Curve 240  
 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 240 to PC 250 118° 37' 10.2290" Dist 339.7409'

### Curve Data

Curve 250  
 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 250 to PC 260 108° 37' 36.6226" Dist 309.4600'

### Curve Data

Curve 260  
 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 260 to PC 270 126° 38' 31.1005" Dist 767.6800'

### Curve Data

Curve 270  
 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 270 to PC 280 104° 48' 39.1950" Dist 614.8733'

### Curve Data

Curve 280  
 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 280 to PC 290 114° 57' 54.5482" Dist 426.5097'

### Curve Data

Curve 290  
 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 290 to PC 300 101° 03' 03.1030" Dist 149.6541'

### Curve Data

Curve 300  
 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 300 to PC 310 95° 55' 51.4839" Dist 1,322.8454'

### Curve Data

Curve 310  
 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 310 to PC 320 112° 15' 33.6367" Dist 414.9867'

REVISIONS	
NAME	DATE

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

PLOT DATE = Fri, Mar 23, 06:16:53, 2007  
 FILE NAME = c:\nrc\meta\sta\2307480\cbr7480vw.dgn  
 PLOT SCALE = 50.0000 / IN.  
 USER NAME = hemschke

## HORIZONTAL & VERTICAL CONTROL