

205 BYPASS

Point BP301 N 7,041,366.84 E 2,596,769.02 Sta 206+00.00

Course from BP301 to PC 205SEC3-1 N 0° 35' 22.10" W Dist 1,651.72

Curve Data

205BP-11

Curve 205BP-11  
 P.I. Station = 230+54.22 N 7,043,820.93 E 2,596,743.77  
 Delta = 56° 17' 36.81" (LT)  
 Degree = 3° 49' 10.99"  
 Tangent = 802.50  
 Length = 1,473.76  
 Radius = 1,500.00  
 External = 201.18  
 Long Chord = 1,415.20  
 Mid. Ord. = 177.39  
 P.C. Station = 222+51.72 N 7,043,018.47 E 2,596,752.03  
 P.T. Station = 237+25.48 N 7,044,259.38 E 2,596,071.63  
 C.C. = N 7,043,003.04 E 2,595,252.11  
 Back = N 0° 35' 22.10" W  
 Ahead = N 56° 52' 58.91" W  
 Chord Bear = N 28° 44' 10.50" W

Curve Data

205BP-12

Curve 205BP-12  
 P.I. Station = 247+57.67 N 7,044,823.31 E 2,595,207.12  
 Delta = 23° 19' 41.67" (RT)  
 Degree = 1° 08' 45.30"  
 Tangent = 1,032.19  
 Length = 2,035.77  
 Radius = 5,000.00  
 External = 105.43  
 Long Chord = 2,021.74  
 Mid. Ord. = 103.25  
 P.C. Station = 237+25.48 N 7,044,259.38 E 2,596,071.63  
 P.T. Station = 257+61.25 N 7,045,683.49 E 2,594,636.59  
 C.C. = N 7,048,447.16 E 2,598,803.38  
 Back = N 56° 52' 58.91" W  
 Ahead = N 33° 33' 17.24" W  
 Chord Bear = N 45° 13' 08.07" W

Curve Data

205BP-13

Curve 205BP-13  
 P.I. Station = 266+40.97 N 7,046,416.61 E 2,594,150.35  
 Delta = 57° 36' 21.09" (LT)  
 Degree = 3° 34' 51.55"  
 Tangent = 879.71  
 Length = 1,608.66  
 Radius = 1,600.00  
 External = 225.90  
 Long Chord = 1,541.76  
 Mid. Ord. = 197.95  
 P.C. Station = 257+61.25 N 7,045,683.49 E 2,594,636.59  
 P.T. Station = 273+69.91 N 7,046,398.79 E 2,593,270.81  
 C.C. = N 7,044,799.12 E 2,593,303.22  
 Back = N 33° 33' 17.24" W  
 Ahead = S 88° 50' 21.67" W  
 Chord Bear = N 62° 21' 27.78" W

Course from PT 205BP-13 to PC 205BP-14 S 88° 50' 21.67" W Dist 250.00

Curve Data

205BP-14

Curve 205BP-14  
 P.I. Station = 283+24.91 N 7,046,379.44 E 2,592,316.01  
 Delta = 90° 00' 00.00" (RT)  
 Degree = 8° 07' 37.42"  
 Tangent = 705.00  
 Length = 1,107.41  
 Radius = 705.00  
 External = 292.02  
 Long Chord = 997.02  
 Mid. Ord. = 206.49  
 P.C. Station = 276+19.91 N 7,046,393.72 E 2,593,020.86  
 P.T. Station = 287+27.32 N 7,047,084.30 E 2,592,301.73  
 C.C. = N 7,047,098.58 E 2,593,006.58  
 Back = S 88° 50' 21.67" W  
 Ahead = N 1° 09' 38.33" W  
 Chord Bear = N 46° 09' 38.33" W

Course from PT 205BP-14 to BP302 N 1° 09' 38.33" W Dist 250.00

Point BP302 N 7,047,334.25 E 2,592,296.66 Sta 289+77.32

205 CONNECTOR

Point BPC01 N 7,045,599.04 E 2,592,331.87 Sta 5+00.00

Course from BPC01 to PC 205BPC0-1 N 1° 11' 00.17" W Dist 225.30

Curve Data

205BPC0-1

Curve 205BPC0-1  
 P.I. Station = 11+15.27 N 7,046,214.17 E 2,592,319.16  
 Delta = 39° 02' 24.69" (RT)  
 Degree = 5° 12' 31.35"  
 Tangent = 389.96  
 Length = 749.52  
 Radius = 1,100.00  
 External = 67.08  
 Long Chord = 735.10  
 Mid. Ord. = 63.22  
 P.C. Station = 7+25.30 N 7,045,824.29 E 2,592,327.21  
 P.T. Station = 14+74.82 N 7,046,522.07 E 2,592,558.48  
 C.C. = N 7,045,847.01 E 2,593,426.98  
 Back = N 1° 11' 00.17" W  
 Ahead = N 37° 51' 24.52" E  
 Chord Bear = N 18° 20' 12.17" E

Course from PT 205BPC0-1 to BPC02 N 37° 51' 24.52" E Dist 25.18

Point BPC02 N 7,046,541.95 E 2,592,573.93 Sta 15+00.00

EXISTING SH 205

Point EX20501 N 7,045,557.29 E 2,592,332.73 Sta 72+00.00

Course from EX20501 to EX20502 N 1° 11' 00.17" W Dist 267.06

Point EX20502 N 7,045,824.29 E 2,592,327.21 Sta 74+67.06

Course from EX20502 to EX20503 N 1° 09' 31.54" W Dist 1,260.27

Point EX20503 N 7,047,084.30 E 2,592,301.73 Sta 87+27.32

Course from EX20503 to EX20504 N 1° 09' 38.33" W Dist 172.68

Point EX20504 N 7,047,256.94 E 2,592,298.23 Sta 89+00.00

Course from EX20504 to EX20505 N 1° 09' 38.33" W Dist 77.32

Point EX20505 N 7,047,334.25 E 2,592,296.66 Sta 89+77.32

Course from EX20505 to EX20506 N 1° 09' 38.33" W Dist 814.01



Point EX20506 N 7,048,148.09 E 2,592,280.18 Sta 97+91.33

RECORD DRAWING

This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING SEALED & SIGNED BY

T.H. Gaertner, P.E.  
TX NO. 37124

NO.	REVISION	BY	DATE
 <b>City of Rockwall, Texas</b>			
<b>205 BYPASS PHASE 6</b>			
<b>HORIZONTAL CONTROL DATA</b>			
1 OF 1			
		TCB INC. WWW.TCB.AECOM.COM 17300 DALLAS PARKWAY, SUITE 1010 DALLAS, TEXAS 75248	
Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN
Designed	US	Checked	TCB
Drawn	TCB	Approved	TCB
Date	11/24/2009	Project No.	60004153
Sheet	32A	of	216