

205 BYPASS

Beginning chain 205_S4A description

Point BP01 N 7,023,613.06 E 2,603,156.74 Sta 4+50.09

Course from BP01 to PC 205BP-1 N 0° 20' 18.24" W Dist 266.79

Curve Data

205BP-1

Curve 205BP-1
 P. I. Station 11+87.74 N 7,024,350.70 E 2,603,152.38
 Delta = 30° 07' 08.51" (LT)
 Degree = 3° 16' 26.56"
 Tangent = 470.86
 Length = 919.93
 Radius = 1,750.00
 External = 62.24
 Long Chord = 909.38
 Mid. Ord. = 60.10
 P. C. Station 7+16.88 N 7,023,879.84 E 2,603,155.16
 P. T. Station 16+36.81 N 7,024,756.58 E 2,602,913.70
 C. C. N 7,023,869.51 E 2,601,405.19
 Back = N 0° 20' 18.24" W
 Ahead = N 30° 27' 26.75" W
 Chord Bear = N 15° 23' 52.50" W

Course from PT 205BP-1 to PC 205BP-2 N 30° 27' 26.75" W Dist 1,016.00

Curve Data

205BP-2

Curve 205BP-2
 P. I. Station 29+18.06 N 7,025,861.03 E 2,602,264.24
 Delta = 17° 14' 15.19" (RT)
 Degree = 3° 16' 26.56"
 Tangent = 265.25
 Length = 526.49
 Radius = 1,750.00
 External = 19.99
 Long Chord = 524.51
 Mid. Ord. = 19.76
 P. C. Station 26+52.81 N 7,025,632.38 E 2,602,398.69
 P. T. Station 31+79.30 N 7,026,119.25 E 2,602,203.58
 C. C. N 7,026,519.45 E 2,603,907.20
 Back = N 30° 27' 26.75" W
 Ahead = N 13° 13' 11.56" W
 Chord Bear = N 21° 50' 19.16" W

Course from PT 205BP-2 to 4 N 13° 13' 11.56" W Dist 820.70

Point 4 N 7,026,918.19 E 2,602,015.89 Sta 40+00.00

Course from 4 to 5 N 13° 13' 11.56" W Dist 1,700.00

Point 5 N 7,028,573.14 E 2,601,627.12 Sta 57+00.00

Course from STW0P04 to STW0P01 N 13° 13' 08.29" W Dist 261.00

Equation: Sta 59+61.00 (BK) = Sta 60+00.00 (AH)
 End Region 1

 Begin Region 2

Point 6 N 7,028,827.23 E 2,601,567.44 Sta 60+00.00

Course from STW0P01 to PC 205_S2R-1 N 13° 13' 13.94" W Dist 358.17

Curve Data

205BP-3

Curve 205BP-3
 P. I. Station 65+43.27 N 7,029,356.10 E 2,601,443.20
 Delta = 17° 32' 17.78" (LT)
 Degree = 4° 46' 28.73"
 Tangent = 185.11
 Length = 367.32
 Radius = 1,200.00
 External = 14.19
 Long Chord = 365.89
 Mid. Ord. = 14.03
 P. C. Station 63+58.17 N 7,029,175.90 E 2,601,485.53
 P. T. Station 67+25.49 N 7,029,515.17 E 2,601,348.53
 C. C. N 7,028,901.48 E 2,600,317.33
 Back = N 13° 13' 11.56" W
 Ahead = N 30° 45' 29.34" W
 Chord Bear = N 21° 59' 20.45" W

Course from PT 205BP-3 to Point 7 N 30° 45' 29" W Dist 1,574.51

Point 7 N 7,030,868.21 E 2,600,543.30 Sta 83+00.00

AIRPORT ROAD C

Beginning chain AIRPORT RD CL description

Point ARP01 N 7,027,063.71 E 2,601,578.66 Sta 15+00.00

Course from ARP01 to ARP02 S 88° 27' 48.58" E Dist 405.75

Point ARP02 N 7,027,052.83 E 2,601,984.27 Sta 19+05.75

Course from ARP02 to ARP03 S 88° 36' 48.62" E Dist 702.23

Point ARP03 N 7,027,035.84 E 2,602,686.29 Sta 26+07.98

SH 66 C

Beginning chain SH66-CL description

Point 31 N 7,030,840.23 E 2,600,168.44 Sta 2+00.00



Course from 31 to 32 N 88° 20' 25.42" E Dist 624.49

Point 32 N 7,030,858.32 E 2,600,792.67 Sta 8+24.49

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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

I	REVISED HORIZONTAL CONTROL DATA	THG	05/20/08
NO.	REVISION	BY	DATE
 City of Rockwall, Texas			
205 BYPASS PHASE 3			
HORIZONTAL CONTROL DATA			
		TCB INC. WWW.TCB.AECOM.COM 17300 DALLAS PARKWAY, SUITE 1010 DALLAS, TEXAS 75248	
Unit	PW-DAL-FW	Scales	Horz: AS SHOWN Vert: AS SHOWN
Designed	THG	Checked	TCB
Drawn	FG	Approved	TCB
Date	11/23/2009	Project No.	60004153
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