

205 BYPASS

Point BPI05 N 7,036,536.08 E 2,599,715.25 Sta 141+00.00

Course from BPI05 to PC 205SECI-1 N 1* 54' 52.93" W Dist 308.02

Curve Data

205BP-9 P. I. Station 151+80.96 N 7,037,616.44 E 2,599,679.13
 Delta = 70* 11' 22.54" (LT)
 Degree = 5* 12' 31.35"
 Tangent = 772.94
 Length = 1,347.54
 Radius = 1,100.00
 External = 244.41
 Long Chord = 1,264.85
 Mid. Ord. = 199.98
 P. C. Station 144+08.02 N 7,036,843.93 E 2,599,704.95
 P. T. Station 157+55.56 N 7,037,853.95 E 2,598,943.58
 C. C. = N 7,036,807.17 E 2,598,605.57
 Back = N 1* 54' 52.93" W
 Ahead = N 72* 06' 15.47" W
 Chord Bear = N 37* 00' 34.20" W

Course from PT 205BP-9 to PC 205BP-10 N 72* 06' 15.47" W Dist 1,390.52

Curve Data

205BP-10 P. I. Station 180+10.20 N 7,038,546.77 E 2,596,798.03
 Delta = 71* 30' 53.37" (RT)
 Degree = 4* 46' 28.73"
 Tangent = 864.11
 Length = 1,497.80
 Radius = 1,200.00
 External = 278.75
 Long Chord = 1,402.45
 Mid. Ord. = 226.20
 P. C. Station 171+46.09 N 7,038,281.24 E 2,597,620.34
 P. T. Station 186+43.89 N 7,039,410.83 E 2,596,789.14
 C. C. = N 7,039,423.18 E 2,597,989.08
 Back = N 72* 06' 15.47" W
 Ahead = N 0* 35' 22.10" W
 Chord Bear = N 36* 20' 48.78" W

Course from PT 205BP-10 to BPI06 N 0* 35' 22.10" W Dist 2,056.11

Point BPI06 N 7,041,466.83 E 2,596,767.99 Sta 207+00.00

HAYS ROAD

Point HAYS01 N 7,038,180.65 E 2,596,901.70 Sta 5+00.00

Course from HAYS01 to PC HAYS-1 N 0* 21' 44.58" W Dist 138.29

Curve Data

HAYS-1 Curve HAYS-1
 P. I. Station 7+99.57 N 7,038,480.22 E 2,596,899.81
 Delta = 49* 28' 49.25" (RT)
 Degree = 16* 22' 12.80"
 Tangent = 161.28
 Length = 302.26
 Radius = 350.00
 External = 35.37
 Long Chord = 292.95
 Mid. Ord. = 32.12
 P. C. Station 6+38.29 N 7,038,318.94 E 2,596,900.83
 P. T. Station 9+40.55 N 7,038,585.78 E 2,597,021.74
 C. C. = N 7,038,321.16 E 2,597,250.82
 Back = N 0* 21' 44.58" W
 Ahead = N 49* 07' 04.66" E
 Chord Bear = N 24* 22' 40.04" E

Course from PT HAYS-1 to HAYS02 N 49* 07' 04.66" E Dist 79.45

Point HAYS02 N 7,038,637.78 E 2,597,081.81 Sta 10+20.00

QUAIL RUN ROAD

Point QRUNE01 N 7,037,537.55 E 2,599,428.09 Sta 5+00.00

Course from QRUNE01 to PC QRUNE-1 N 48* 23' 45.23" E Dist 96.78

Curve Data

QRUNE-1 Curve QRUNE-1
 P. I. Station 8+84.35 N 7,037,792.75 E 2,599,715.49
 Delta = 39* 32' 36.58" (RT)
 Degree = 7* 09' 43.10"
 Tangent = 287.57
 Length = 552.13
 Radius = 800.00
 External = 50.12
 Long Chord = 541.24
 Mid. Ord. = 47.16
 P. C. Station 5+96.78 N 7,037,601.81 E 2,599,500.46
 P. T. Station 11+48.91 N 7,037,803.09 E 2,600,002.88
 C. C. = N 7,037,003.61 E 2,600,031.64
 Back = N 48* 23' 45.23" E
 Ahead = N 87* 56' 21.81" E
 Chord Bear = N 68* 10' 03.52" E

Course from PT QRUNE-1 to QRUNE02 N 87* 56' 21.81" E Dist 37.82

Point QRUNE02 N 7,037,804.45 E 2,600,040.67 Sta 11+86.72

Course from QRUNE02 to QRUNE03 N 86* 58' 19.90" E Dist 60.47

Point QRUNE03 N 7,037,807.64 E 2,600,101.06 Sta 12+47.20

Course from QRUNE03 to QRUNE04 N 89* 47' 43.64" E Dist 107.81

Point QRUNE04 N 7,037,808.03 E 2,600,208.86 Sta 13+55.00

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

Matthew L. Abbe, P.E.
TX NO. 92715

NO.	REVISION	BY	DATE



205 BYPASS SECTION 1

HORIZONTAL CONTROL DATA

1 OF 2

TCB AECOM
 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	Date	11/11/2009
Designed	SKW/MLA	Checked	TCB	Project No.	60004153
Drawn	TCB	Approved	TCB	Sheet	39 of 217

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11/11/2009