Roll 8 of 13

Texas Department of Transportation ®

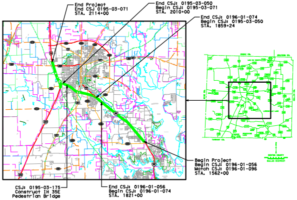
Dallas District Design Schematic

William L. Hale, P.E., District Engineer

IH 35E

From: FM 2181 S. in Corinth
To: US 380
Denton County
Functional Class: Interstate
Project Length: 10.45 Miles
CSJ's: 0196-01-056
0196-01-074
0195-03-050
0195-03-071
0195-03-075

Design Speed:
Mainlanes 70 mph
Managed Lanes 70 mph
Ramps 40 mph
IH 35W Connections to IH 35 60 mph
Direct Connecting Ramps PDCNWSE & PDCNESW 40 mph
U-Turns 20 mph
Frontage Roads 40 mph
Cross Streets 30 mph


End Project
End CSJ 0195-03-071
STA. 2114+00
End CSJ: 0195-03-050
Begin CSJ: 0195-03-071
STA. 2010+00
End CSJ: 0196-01-074
Begin CSJ: 0195-03-050
STA. 1859+24
Begin Project
Begin CSJ: 0196-01-056
Match CSJ: 0196-01-096
STA. 1562+00
CSJ: 0195-03-175
Construct IH 35E
Pedestrian Bridge
End CSJ: 0196-01-056
Begin CSJ: 0196-01-074
STA. 1821+00
DENTON COUNTY
DALLAS DISTRICT

Scale:
Horizontal 1"=200'
Vertical 1"=20'

November 2010
Roll 8 of 13

SCHEMATIC PREPARED BY:

HALFF ASSOCIATES, INC.
REGISTRATION NUMBER 312

FOR INTERIM REVIEW ONLY
NOT FOR PERMITTING, BIDDING
OR CONSTRUCTION.

Prepared by or under the
Direct Supervision of:

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NAME	P.E. NUMBER
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NAME	P.E. NUMBER

11-24-2010
DATE

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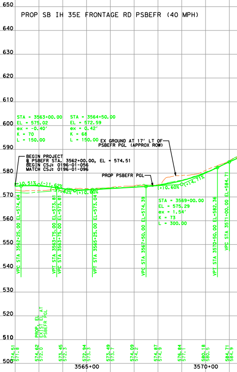
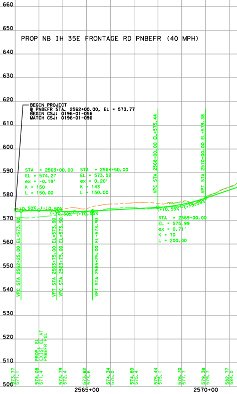
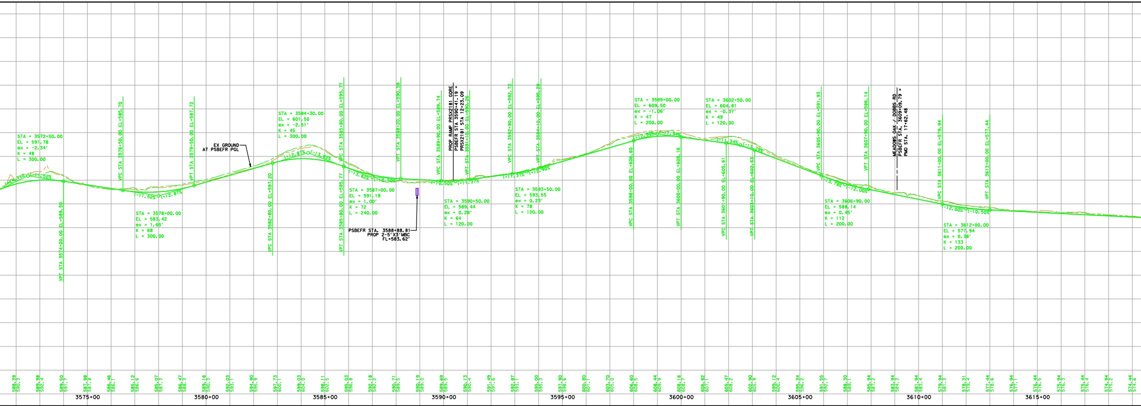
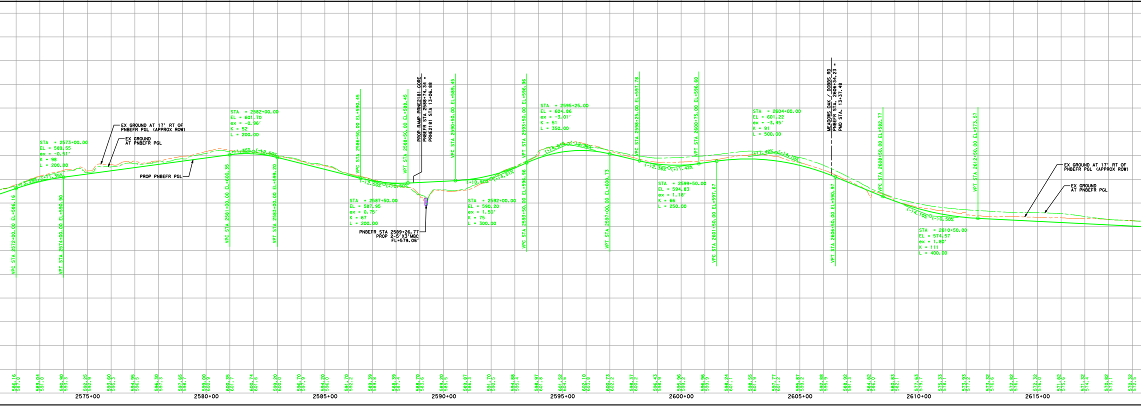
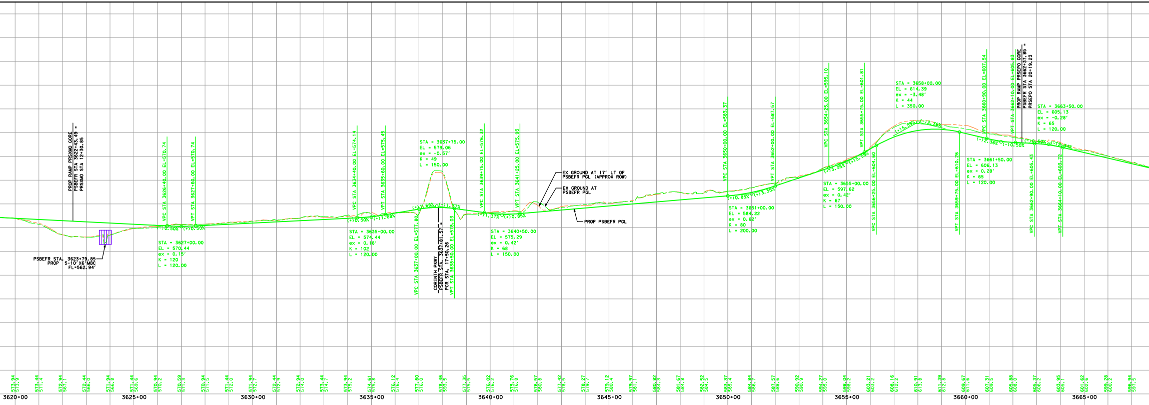
PRELIMINARY
SUBJECT TO CHANGE

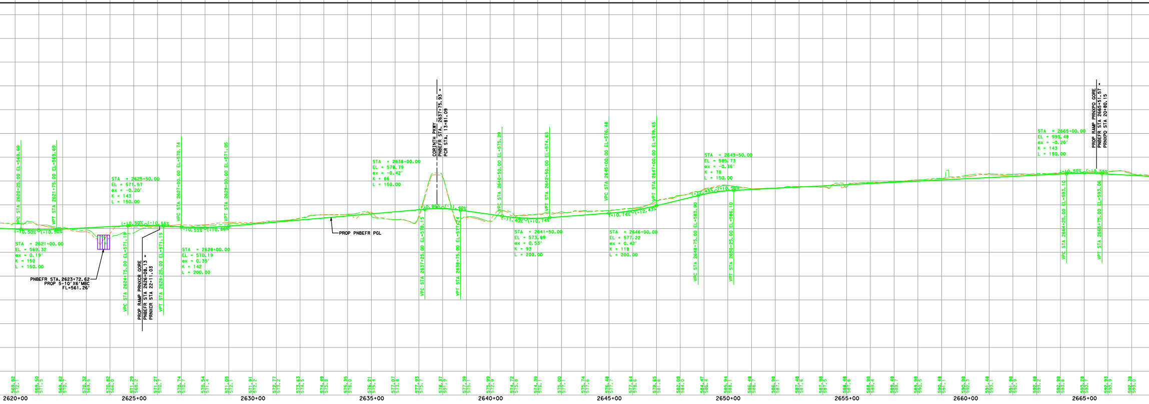

PROP SB IH 35E FRONTAGE RD PSBEFR (40 MPH)
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
500
STA = 3563+00.00
EL = 575.02
ex = -0.40'
K = 70
L = 150.00
STA = 3564+50.00
EL = 572.59
ex = 0.42'
K = 68
L = 150.00
EX GROUND AT 17' LT OF PSBEFR PGL (APPROX ROW)
BEGIN PROJECT
℄ PSBEFR STA. 3562+00.00, EL = 574.51
BEGIN CSJ: 0196-01-056
MATCH CSJ: 0196-01-096
PROP PSBEFR PGL
(+)0.51%
(-)1.62%
(-)1.62%
(+)0.60%
(+)0.60%
(+)4.71%
STA = 3569+00.00
EL = 575.29
ex = 1.54'
K = 73
L = 300.00
VPC STA 3562+25.00 EL=574.64
VPT STA 3563+75.00 EL=573.81
VPC STA 3563+75.00 EL=573.81
VPT STA 3565+25.00 EL=573.04
VPC STA 3567+50.00 EL=574.39
VPT STA 3570+50.00 EL=582.36
VPC STA 3571+00.00 EL=584.71
PROP. EL
EXIST EL AT
PSBEFR PGL
574.51 571.8
574.62 572.0
573.45 572.3
572.94 573.3
573.49 573.7
574.09 574.2
574.87 574.9
576.84 577.1
580.18 580.5
584.71 584.9
3565+00
3570+00

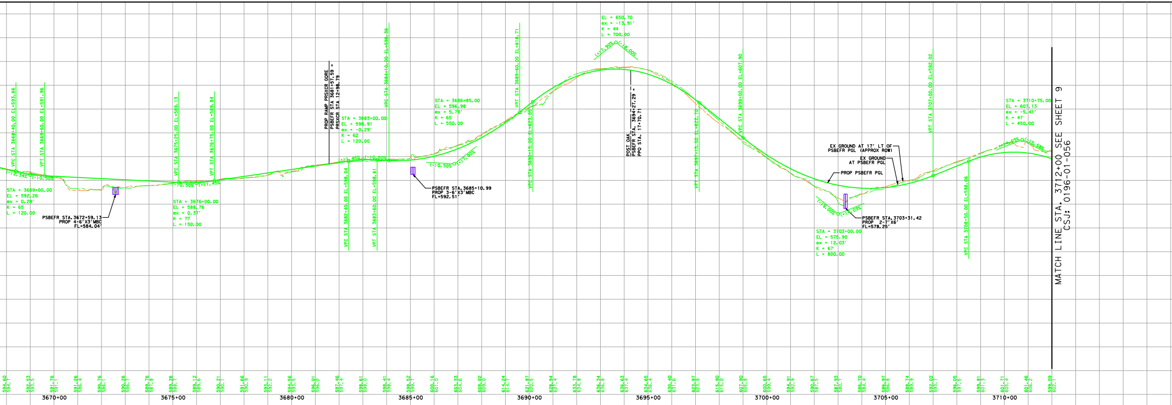

PROP NB IH 35E FRONTAGE RD PNBEFR (40 MPH)
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
500
BEGIN PROJECT
℄ PNBEFR STA. 2562+00.00, EL = 573.77
BEGIN CSJ: 0196-01-056
MATCH CSJ: 0196-01-096
STA = 2563+00.00
EL = 574.27
ex = -0.19'
K = 150
L = 150.00
STA = 2564+50.00
EL = 573.52
ex = 0.20'
K = 143
L = 150.00
VPC STA 2568+00.00 EL=575.44
VPT STA 2570+00.00 EL=579.38
(+)0.50%
(-)0.50%
(-)0.50%
(+)0.55%
(+)0.55%
(+)3.39%
STA = 2569+00.00
EL = 575.99
ex = 0.71'
K = 70
L = 200.00
VPC STA 2562+25.00 EL=573.90
VPT STA 2563+75.00 EL=573.90
VPC STA 2563+75.00 EL=573.90
VPT STA 2565+25.00 EL=573.93
PROP. EL
EXIST EL AT
PNBEFR PGL
573.77 571.1
574.08 571.4
573.79 572.4
573.82 573.6
574.34 575.0
574.89 575.4
575.44 575.1
576.70 577.7
579.38 579.7
582.77 584.0
2565+00
2570+00

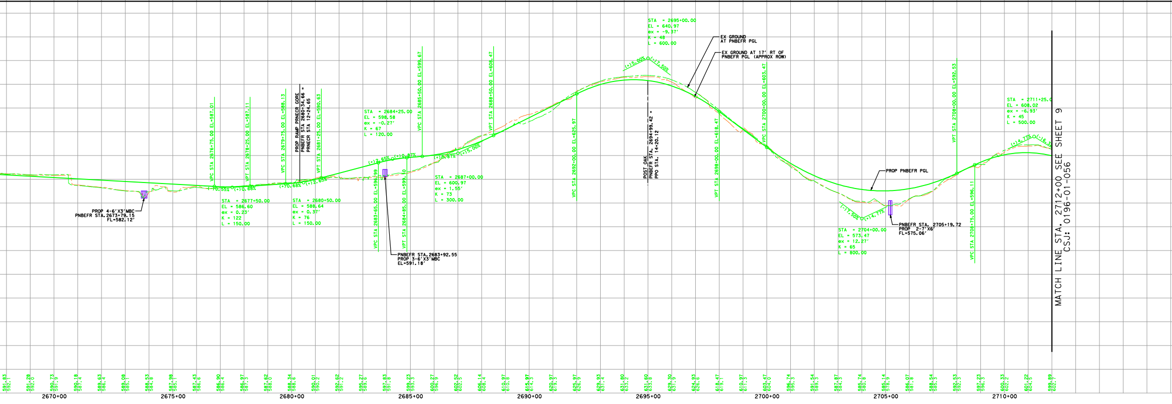

STA = 3572+50.00
EL = 591.78
ex = -2.34'
K = 48
L = 300.00
(-)1.52%
VPT STA 3574+00.00 EL=589.50
VPC STA 3576+50.00 EL=585.70
(-)1.52%
(+)2.87%
STA = 3578+00.00
EL = 583.42
ex = 1.65'
K = 68
L = 300.00
VPT STA 3579+50.00 EL=587.72
EX GROUND
AT PSBEFR PGL
VPC STA 3582+80.00 EL=597.20
(+)2.87%
(-)3.82%
STA = 3584+30.00
EL = 601.50
ex = -2.51'
K = 45
L = 300.00
VPC STA 3585+80.00 EL=595.77
VPT STA 3585+80.00 EL=595.77
(-)3.82%
(-)0.50%
STA = 3587+00.00
EL = 591.19
ex = 1.00'
K = 72
L = 240.00
VPT STA 3588+20.00 EL=590.59
PSBEFR STA. 3588+88.81
PROP 2-5'X3'MBC
FL=583.62'
VPC STA 3589+90.00 EL=589.74
PROP RAMP PRSX2181 GORE
PSBEFR STA 3590+41.19 =
PRSX2181 STA 12+23.09
(-)0.50%
(+)1.37%
STA = 3590+50.00
EL = 589.44
ex = 0.28'
K = 64
L = 120.00
VPT STA 3591+10.00 EL=590.26
VPC STA 3592+90.00 EL=592.72
(+)1.37%
(+)2.90%
STA = 3593+50.00
EL = 593.55
ex = 0.23'
K = 78
L = 120.00
VPT STA 3594+10.00 EL=595.29
VPC STA 3598+00.00 EL=606.60
(+)2.90%
(-)1.34%
STA = 3599+00.00
EL = 609.50
ex = -1.06'
K = 47
L = 200.00
VPT STA 3600+00.00 EL=608.16
VPC STA 3601+90.00 EL=605.61
(-)1.34%
(-)3.79%
STA = 3602+50.00
EL = 604.81
ex = -0.37'
K = 49
L = 120.00
VPT STA 3603+10.00 EL=602.53
VPC STA 3605+90.00 EL=591.93
(-)3.79%
(-)2.00%
STA = 3606+90.00
EL = 588.14
ex = 0.45'
K = 112
L = 200.00
VPT STA 3607+90.00 EL=586.14
MEADOWS OAK / DOBBS RD
PSBEFR STA. 3609+09.79 =
PMO STA. 17+62.48
VPC STA 3611+00.00 EL=579.94
(-)2.00%
(-)0.50%
STA = 3612+00.00
EL = 577.94
ex = 0.38'
K = 133
L = 200.00
VPT STA 3613+00.00 EL=577.44
588.39 590.3
589.98 592.4
589.50 591.7
587.98 587.8
586.46 586.1
585.12 586.6
585.07 587.3
586.47 588.3
589.16 590.3
592.03 593.1
594.90 595.9
597.73 600.1
599.03 604.0
598.11 602.5
595.03 596.8
592.18 592.2
590.71 589.5
590.19 589.0
589.69 589.5
590.13 590.4
591.49 591.6
592.87 593.1
595.00 595.3
597.90 598.6
600.80 601.1
603.70 605.0
606.60 608.5
608.44 609.9
608.16 608.7
606.82 607.1
605.47 608.2
602.90 605.9
599.12 600.4
595.34 596.2
591.55 592.7
588.30 589.1
585.94 587.2
583.94 584.3
581.94 583.4
579.94 581.3
578.31 579.4
577.44 578.6
576.94 577.1
576.44 576.5
575.94 576.3
575.44 576.4
574.94 575.2
574.44 574.6
3575+00
3580+00
3585+00
3590+00
3595+00
3600+00
3605+00
3610+00
3615+00


VPC STA 2572+00.00 EL=586.16
STA = 2573+00.00
EL = 589.55
ex = -0.51'
K = 98
L = 200.00
(+)1.35%
VPT STA 2574+00.00 EL=590.90
EX GROUND AT 17' RT OF
PNBEFR PGL (APPROX ROW)
EX GROUND
AT PNBEFR PGL
PROP PNBEFR PGL
VPC STA 2581+00.00 EL=600.35
(+)1.35%
(-)2.50%
STA = 2582+00.00
EL = 601.70
ex = -0.96'
K = 52
L = 200.00
VPT STA 2583+00.00 EL=599.20
VPC STA 2586+50.00 EL=590.45
(-)2.50%
(+)0.50%
STA = 2587+50.00
EL = 587.95
ex = 0.75'
K = 67
L = 200.00
VPT STA 2588+50.00 EL=588.45
PROP RAMP PRNE2181 GORE
PNBEFR STA 2588+74.34 =
PRNE2181 STA 13+06.88
PNBEFR STA 2589+26.77
PROP 2-5'X3'MBC
FL=579.06'
VPC STA 2590+50.00 EL=589.45
(+)0.50%
(+)4.51%
STA = 2592+00.00
EL = 590.20
ex = 1.50'
K = 75
L = 300.00
VPT STA 2593+50.00 EL=596.96
VPC STA 2593+50.00 EL=596.96
(+)4.51%
(-)2.36%
STA = 2595+25.00
EL = 604.86
ex = -3.01'
K = 51
L = 350.00
VPT STA 2597+00.00 EL=600.73
VPC STA 2598+25.00 EL=597.78
(-)2.36%
(+)1.42%
STA = 2599+50.00
EL = 594.83
ex = 1.18'
K = 66
L = 250.00
VPT STA 2600+75.00 EL=596.60
VPC STA 2601+50.00 EL=597.67
(+)1.42%
(-)4.10%
STA = 2604+00.00
EL = 601.22
ex = -3.45'
K = 91
L = 500.00
MEADOWS OAK / DOBBS RD
PNBEFR STA. 2606+34.23 =
PMO STA. 13+37.48
VPT STA 2606+50.00 EL=590.97
VPC STA 2608+50.00 EL=582.77
(-)4.10%
(-)0.50%
STA = 2610+50.00
EL = 574.57
ex = 1.80'
K = 111
L = 400.00
VPT STA 2612+50.00 EL=573.57
EX GROUND AT 17' RT OF
PNBEFR PGL (APPROX ROW)
EX GROUND
AT PNBEFR PGL
586.16 587.0
589.04 591.0
590.90 593.3
592.25 592.9
593.60 595.3
594.95 596.5
596.30 597.3
597.65 598.7
599.00 600.9
600.35 601.7
600.74 601.6
599.20 600.0
596.70 597.9
594.20 596.0
591.70 592.2
589.39 589.8
588.39 587.4
588.70 583.6
589.20 585.5
589.87 586.3
591.70 590.5
594.88 595.4
598.97 601.8
601.52 604.6
602.10 603.8
600.73 602.2
598.37 600.2
596.43 598.9
595.96 599.2
596.96 599.9
598.24 601.1
598.55 601.9
597.77 601.2
595.87 599.2
592.88 595.9
588.92 591.3
584.82 586.0
580.83 582.1
577.63 579.7
575.33 578.1
573.93 577.2
573.32 576.6
572.82 576.1
572.32 576.0
571.82 575.6
571.32 574.4
570.82 573.1
570.32 572.5
2575+00
2580+00
2585+00
2590+00
2595+00
2600+00
2605+00
2610+00
2615+00


PROP RAMP PRSXMO GORE
PSBEFR STA 3622+43.49 =
PRSXMO STA 12+30.85
PSBEFR STA. 3623+79.85
PROP 5-10'X6'MBC
FL=562.94'
VPC STA 3626+40.00 EL=570.74
VPT STA 3627+60.00 EL=570.74
(-)0.50%
(+)0.50%
STA = 3627+00.00
EL = 570.44
ex = 0.15'
K = 120
L = 120.00
VPC STA 3634+40.00 EL=574.14
VPT STA 3635+60.00 EL=575.45
(+)0.50%
(+)1.68%
STA = 3635+00.00
EL = 574.44
ex = 0.18'
K = 102
L = 120.00
STA = 3637+75.00
EL = 579.06
ex = -0.57'
K = 49
L = 150.00
(+)1.68%
(-)1.37%
VPC STA 3637+00.00 EL=577.80
CORINTH PKWY
PSBEFR STA. 3637+81.57 =
PCR STA. 17+50.26
VPT STA 3638+50.00 EL=578.03
VPC STA 3639+75.00 EL=576.32
VPT STA 3641+25.00 EL=575.93
(-)1.37%
(+)0.85%
STA = 3640+50.00
EL = 575.29
ex = 0.42'
K = 68
L = 150.00
EX GROUND AT 17' LT OF
PSBEFR PGL (APPROX ROW)
EX GROUND AT
PSBEFR PGL
PROP PSBEFR PGL
VPC STA 3650+00.00 EL=583.37
VPT STA 3652+00.00 EL=587.57
(+)0.85%
(+)3.35%
STA = 3651+00.00
EL = 584.22
ex = 0.62'
K = 80
L = 200.00
VPC STA 3654+25.00 EL=595.10
VPT STA 3655+75.00 EL=601.81
(+)3.35%
(+)5.22%
STA = 3655+00.00
EL = 597.62
ex = 0.42'
K = 67
L = 150.00
VPC STA 3656+25.00 EL=604.60
STA = 3658+00.00
EL = 614.39
ex = -3.48'
K = 44
L = 350.00
(+)5.22%
(-)2.36%
VPT STA 3659+75.00 EL=610.26
VPC STA 3660+90.00 EL=607.54
STA = 3661+50.00
EL = 606.13
ex = 0.28'
K = 65
L = 120.00
(-)2.36%
(-)0.50%
VPT STA 3662+10.00 EL=605.83
PROP RAMP PRSEPO GORE
PSBEFR STA 3662+37.85 =
PRSEPO STA 20+19.23
STA = 3663+50.00
EL = 605.13
ex = -0.28'
K = 65
L = 120.00
(-)0.50%
(-)2.34%
VPC STA 3662+90.00 EL=605.45
VPT STA 3664+10.00 EL=603.72
3620+00
3625+00
3630+00
3635+00
3640+00
3645+00
3650+00
3655+00
3660+00
3665+00


VPC STA 2620+25.00 EL=569.69
VPT STA 2621+75.00 EL=569.69
(-)0.50%
(+)0.50%
STA = 2621+00.00
EL = 569.32
ex = 0.19'
K = 150
L = 150.00
PNBEFR STA. 2623+72.62
PROP 5-10'X6'MBC
FL=561.26'
STA = 2625+50.00
EL = 571.57
ex = -0.20'
K = 143
L = 150.00
(+)0.50%
(-)0.55%
VPC STA 2624+75.00 EL=571.19
PROP RAMP PRNXCR GORE
PNBEFR STA 2626+08.13 =
PRNXCR STA 22+11.03
VPT STA 2626+25.00 EL=571.15
VPC STA 2627+00.00 EL=570.74
VPT STA 2629+00.00 EL=571.05
(-)0.55%
(+)0.86%
STA = 2628+00.00
EL = 570.19
ex = 0.35'
K = 142
L = 200.00
PROP PNBEFR PGL
STA = 2638+00.00
EL = 578.79
ex = -0.42'
K = 66
L = 150.00
CORINTH PKWY
PNBEFR STA. 2637+75.93 =
PCR STA. 13+81.09
(+)0.86%
(-)1.40%
VPC STA 2637+25.00 EL=578.15
VPT STA 2638+75.00 EL=577.24
VPC STA 2640+50.00 EL=575.29
VPT STA 2642+50.00 EL=574.63
(-)1.40%
(+)0.74%
STA = 2641+50.00
EL = 573.89
ex = 0.53'
K = 93
L = 200.00
VPC STA 2645+00.00 EL=576.48
VPT STA 2647+00.00 EL=579.65
(+)0.74%
(+)2.43%
STA = 2646+00.00
EL = 577.22
ex = 0.42'
K = 118
L = 200.00
STA = 2649+50.00
EL = 585.73
ex = -0.36'
K = 78
L = 150.00
(+)2.43%
(+)0.50%
VPC STA 2648+75.00 EL=583.90
VPT STA 2650+25.00 EL=586.10
STA = 2665+00.00
EL = 593.48
ex = -0.20'
K = 143
L = 150.00
(+)0.50%
(-)0.55%
VPC STA 2664+25.00 EL=593.10
VPT STA 2665+75.00 EL=593.06
PROP RAMP PRNXPO GORE
PNBEFR STA 2665+51.57 =
PRNXPO STA 20+80.15
2620+00
2625+00
2630+00
2635+00
2640+00
2645+00
2650+00
2655+00
2660+00
2665+00


VPC STA 3668+40.00 EL=593.66
VPT STA 3669+60.00 EL=591.96
(-)2.34%
(-)0.50%
STA = 3669+00.00
EL = 592.26
ex = 0.28'
K = 65
L = 120.00
PSBEFR STA.3672+59.13
PROP 4-6'X3'MBC
FL=584.04'
VPC STA 3675+25.00 EL=589.13
VPT STA 3676+75.00 EL=589.84
(-)0.50%
(+)1.45%
STA = 3676+00.00
EL = 588.76
ex = 0.37'
K = 77
L = 150.00
PROP RAMP PRSXCR GORE
PSBEFR STA 3681+57.59 =
PRSXCR STA 12+98.79
STA = 3683+00.00
EL = 598.91
ex = -0.29'
K = 62
L = 120.00
(+)1.45%
(-)0.50%
VPC STA 3682+40.00 EL=598.04
VPT STA 3683+60.00 EL=598.61
VPC STA 3684+10.00 EL=598.36
PSBEFR STA.3685+10.99
PROP 3-6'X3'MBC
FL=592.51'
STA = 3686+85.00
EL = 596.98
ex = 5.78'
K = 65
L = 550.00
(-)0.50%
(+)7.90%
VPT STA 3689+60.00 EL=618.71
VPC STA 3690+15.00 EL=623.05
EL = 650.70
ex = -13.91'
K = 44
L = 700.00
(+)7.90%
(-)8.00%
POST OAK
PSBEFR STA. 3694+27.29 =
PPO STA. 17+70.71
VPT STA 3697+15.00 EL=622.70
VPC STA 3699+00.00 EL=607.90
EX GROUND AT 17' LT OF
PSBEFR PGL (APPROX ROW)
EX GROUND
AT PSBEFR PGL
PROP PSBEFR PGL
(-)8.00%
(+)4.03%
PSBEFR STA.3703+31.42
PROP 2-7'X6'
FL=578.25'
STA = 3703+00.00
EL = 575.90
ex = 12.03'
K = 67
L = 800.00
VPT STA 3707+00.00 EL=592.02
VPC STA 3708+50.00 EL=598.06
STA = 3710+75.00
EL = 607.13
ex = -5.41'
K = 47
L = 450.00
(+)4.03%
(-)5.58%
MATCH LINE STA. 3712+00 SEE SHEET 9
CSJ: 0196-01-056
3670+00
3675+00
3680+00
3685+00
3690+00
3695+00
3700+00
3705+00
3710+00


PROP 4-6'X3'MBC
PNBEFR STA.2673+79.15
FL=582.12'
VPC STA 2676+75.00 EL=587.01
VPT STA 2678+25.00 EL=587.11
(-)0.55%
(+)0.68%
STA = 2677+50.00
EL = 586.60
ex = 0.23'
K = 122
L = 150.00
VPC STA 2679+75.00 EL=588.13
PROP RAMP PRNECR GORE
PNBEFR STA 2680+34.66 =
PRNECR STA 12+24.65
VPT STA 2681+25.00 EL=590.63
(+)0.68%
(+)2.65%
STA = 2680+50.00
EL = 588.64
ex = 0.37'
K = 76
L = 150.00
STA = 2684+25.00
EL = 598.58
ex = -0.27'
K = 67
L = 120.00
(+)2.65%
(+)0.87%
VPC STA 2683+65.00 EL=596.99
VPT STA 2684+85.00 EL=599.10
PNBEFR STA.2683+92.55
PROP 3-6'X3'MBC
EL=591.18'
VPC STA 2685+50.00 EL=599.67
(+)0.87%
(+)5.00%
STA = 2687+00.00
EL = 600.97
ex = 1.55'
K = 73
L = 300.00
VPT STA 2688+50.00 EL=608.47
VPC STA 2692+00.00 EL=625.97
STA = 2695+00.00
EL = 640.97
ex = -9.37'
K = 48
L = 600.00
(+)5.00%
(-)7.50%
POST OAK
PNBEFR STA. 2694+99.42 =
PPO STA. 14+20.12
EX GROUND
AT PNBEFR PGL
EX GROUND AT 17' RT OF
PNBEFR PGL (APPROX ROW)
VPT STA 2698+00.00 EL=618.47
VPC STA 2700+00.00 EL=603.47
PROP PNBEFR PGL
(-)7.50%
(+)4.77%
STA = 2704+00.00
EL = 573.47
ex = 12.27'
K = 65
L = 800.00
PNBEFR STA. 2705+19.72
PROP 2-7'X6'
FL=575.06'
VPT STA 2708+00.00 EL=592.53
VPC STA 2708+75.00 EL=596.11
STA = 2711+25.0
EL = 608.02
ex = -6.93'
K = 45
L = 500.00
(+)4.77%
(-)6.3
MATCH LINE STA. 2712+00 SEE SHEET 9
CSJ: 0196-01-056
2670+00
2675+00
2680+00
2685+00
2690+00
2695+00
2700+00
2705+00
2710+00

PRELIMINARY
SUBJECT TO CHANGE

Texas Department of Transportation

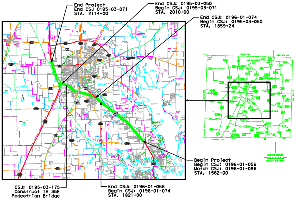
Dallas District Design Schematic

William L. Hale, P.E., District Engineer

IH 35E

From: FM 2181 S. in Corinth
To: US 380
Denton County
Functional Class: Interstate
Project Length: 10.45 Miles
CSJ's: 0196-01-056
0196-01-074
0195-03-050
0195-03-071
0195-03-075

Design Speed:
Mainlanes 70 mph
Managed Lanes 70 mph
Ramps 40 mph
IH 35W Connections to IH 35 60 mph
Direct Connecting Ramps PDCNWSE & PDCNESW 40 mph
U-Turns 20 mph
Frontage Roads 40 mph
Cross Streets 30 mph


End Project
End CSJ 0195-03-071
STA. 2114+00
End CSJ: 0195-03-050
Begin CSJ: 0195-03-071
STA. 2010+00
End CSJ: 0196-01-074
Begin CSJ: 0195-03-050
STA. 1859+24
Begin Project
Begin CSJ: 0196-01-056
Match CSJ: 0196-01-096
STA. 1562+00
CSJ: 0195-03-175
Construct IH 35E
Pedestrian Bridge
End CSJ: 0196-01-056
Begin CSJ: 0196-01-074
STA. 1821+00
COOKE CO.
GRAYSON CO.
TARRANT CO.
DENTON COUNTY
DALLAS DISTRICT

Scale:
Horizontal 1"=200'
Vertical 1"=20'

November 2010
Roll 8 of 13

SCHEMATIC PREPARED BY:

HALFF ASSOCIATES, INC.
REGISTRATION NUMBER 312

FOR INTERIM REVIEW ONLY
NOT FOR PERMITTING, BIDDING
OR CONSTRUCTION.

Prepared by or under the
Direct Supervision of:

NAME	P.E. NUMBER
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11-24-2010
DATE

HALFF

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Roll 8 of 13