Texas Department of Transportation

Dallas District Design Schematic

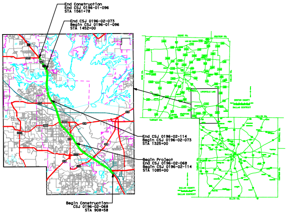
William L. Hale, P.E., District Engineer

IH 35E

From: PGBT
To: FM 2181 S. in Corinth
Dallas & Denton County
Functional Class: Urban Freeway
Project Length: 12.27 Miles

CSJ's: 0196-01-096
0196-02-073
0196-02-114
0196-02-068

Design Speeds:
Mainlanes 70 mph
Managed Lanes 70 mph
Ramps 40 mph
Turnaround Ramps 20 mph
Frontage Roads 40 mph
Cross Streets 30 mph
Collector Distributor 50 mph
Direct Connectors 50 mph


End Construction
End CSJ 0196-01-096
STA 1561+78
End CSJ 0196-02-073
Begin CSJ 0196-01-096
STA 1452+00
End CSJ 0196-02-114
Begin CSJ 0196-02-073
STA 1325+00
Begin Project
End CSJ 0196-02-068
Begin CSJ 0196-02-114
STA 1085+00
Begin Construction
CSJ 0196-02-068
STA 908+58
DENTON COUNTY
DALLAS DISTRICT
DALLAS COUNTY
DALLAS DISTRICT

Scale:
Horizontal 1"=100'
Vertical 1"=10'

October 2010

MIDDLE SEGMENT - RAMPS
Roll 8 of 9

SCHEMATIC PREPARED BY:
HDR ENGINEERING, INC.
REGISTRATION NUMBER 754
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:

NAME	P.E. NUMBER
PHILLIP WAYNE ULLMAN	71426
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10-18-2010
DATE

HDR Engineering, Inc.
17111 Preston Road, Suite 200
Dallas, Texas 75248-1229

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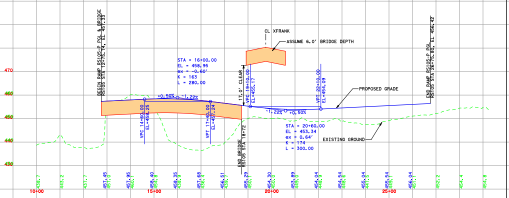
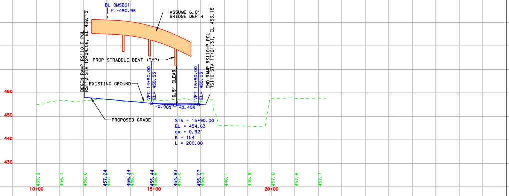
SOUTHBOUND RAMP PROFILES



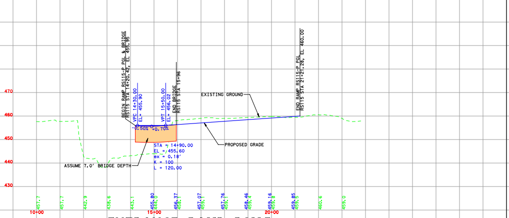
EXIT RAMP RS105

FRANKFORD RD BYPASS RAMP



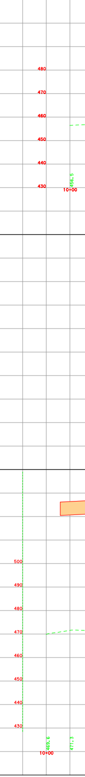
EXIT RAMP RS110

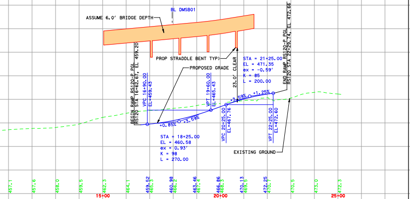
SB IH35E EXIT RAMP
TO FRANKFORD RD



ENTRANCE RAMP RS115

SB IH35E ENTRANCE RAMP
FROM 121 TOLL

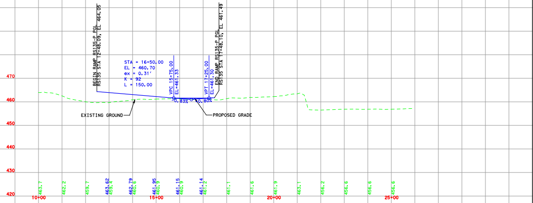




BL DMSB01
ASSUME 6.0' BRIDGE DEPTH
PROP STRADDLE BENT TYP)
PROPOSED GRADE
23.0' CLEAR
STA = 21+25.00
EL = 471.35
ex = -0.59'
K = 85
L = 200.00
END RAMP RS120-P PGL
RS120 STA 22+29.74, EL 472.66
BEGIN RAMP RS120-P PGL
RS120 STA 16+62.67, EL 459.20
VPC 16+90.00
EL=459.43
VPT 19+60.00
EL=465.43
VPC 20+25.00
EL=467.76
VPT 22+25.00
EL=472.60
+0.85%
+3.59%
+1.25%
STA = 18+25.00
EL = 460.58
ex = 0.93'
K = 98
L = 270.00
EXISTING GROUND
15+00
20+00
25+00

ENTRANCE RAMP RS120

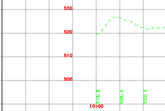
SB IH35E ENTRANCE RAMP
FROM ROUND GROVE RD/ FM 3040



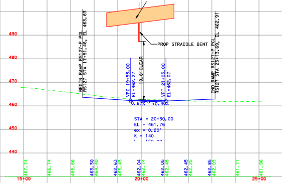
BEGIN RAMP RS135-P PGL
RS135 STA 12+48.09, EL 464.05
STA = 16+50.00
EL = 460.70
ex = 0.31'
K = 92
L = 150.00
VPC 15+75.00
EL=461.33
VPT 17+25.00
EL=461.30
END RAMP RS135-P PGL
RS135 STA 17+48.10, EL 461.49
-0.83%
+0.80%
EXISTING GROUND
PROPOSED GRADE
470
460
450
440
430
420
10+00
15+00
20+00
25+00

EXIT RAMP RS135

SB IH35E EXIT RAMP
TO ROUND GROVE RD/ FM 3040



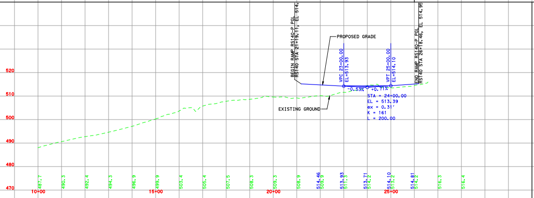
530
520
510
500
10+00



BEGIN RAMP RS127-P PGL
RS127 STA 17+51.46, EL 463.63
PROP STRADDLE BENT
19.8' CLEAR
VPC 19+55.00
EL=462.27
VPT 21+05.00
EL=462.07
END RAMP RS127-P PGL
RS127 STA 23+13.69, EL 462.91
-0.67%
+0.40%
STA = 20+30.00
EL = 461.76
ex = 0.20'
K = 140
490
480
470
460
450
440
15+00
20+00
25+00

ENTRANCE RAMP RS127

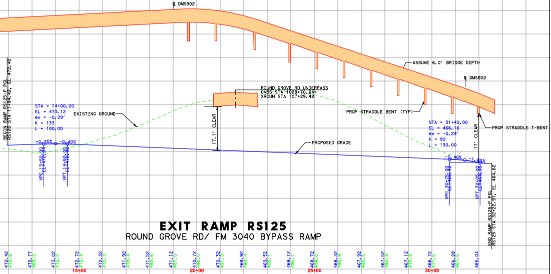
SB IH35E ENTRANCE RAMP
TO SB IH35E MANAGED LANES



BEGIN RAMP RS140-P PGL
RS140 STA 21+19.11, EL 514.
PROPOSED GRADE
VPC 23+00.00
EL=513.93
VPT 25+00.00
EL=514.10
END RAMP RS140-P PGL
RS140 STA 26+18.46, EL 514.95
-0.53%
+0.71%
STA = 24+00.00
EL = 513.39
ex = 0.31'
K = 161
L = 200.00
EXISTING GROUND
520
510
500
490
480
470
10+00
15+00
20+00
25+00

ENTRANCE RAMP RS140

SB IH35E ENTRANCE RAMP
FROM SH121 BUSINESS



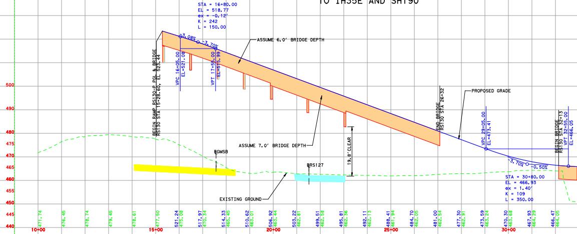
℄ DMSB02
ASSUME 6.0' BRIDGE DEPTH
℄ DMSB02
ROUND GROVE RD UNDERPASS
CM35 STA 1028+70.64=
XROUN STA 107+29.48
PROP STRADDLE BENT (TYP)
PROP STRADDLE T-BENT
BEGIN RAMP RS125-P PGL
RS125 STA 11+94.42, EL 472.40
STA = 14+00.00
EL = 473.12
ex = -0.09'
K = 133
L = 100.00
EXISTING GROUND
17.1' CLEAR
17' CLEAR
+0.35%
-0.40%
VPC 13+50.00
VPT 14+50.00
PROPOSED GRADE
STA = 31+40.00
EL = 466.16
ex = -0.24'
K = 90
L = 130.00
-0.40%
-1.85%
VPC 30+75.00
VPT 32+05.00
END RAMP RS125-P PGL
RS125 STA 32+22.97, EL 464.62
15+00
20+00
25+00
30+00

EXIT RAMP RS125

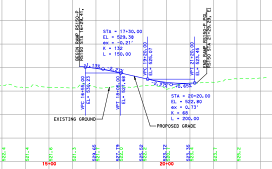
ROUND GROVE RD/ FM 3040 BYPASS RAMP

EXIT RAMP RS130

SB IH35E MANAGED LANES EXIT RAMP
TO IH35E AND SH190



STA = 16+80.00
EL = 518.77
ex = -0.12'
K = 242
L = 150.00
+3.08%
-3.70%
ASSUME 6.0' BRIDGE DEPTH
BEGIN RAMP RS130-P PGL & BRIDGE
RS130 STA 15+28.60, EL 523.44
VPC 16+05.00
EL=521.08
VPT 17+55.00
EL=515.99
PROPOSED GRADE
END BRIDGE
RS130 STA 26+32
VPC 29+05.00
EL=473.41
ASSUME 7.0' BRIDGE DEPTH
19.8' CLEAR
℄GMSB
℄RS127
EXISTING GROUND
-3.70%
-0.50%
STA = 30+80.00
EL = 466.93
ex = 1.40'
K = 109
L = 350.00
BEGIN BRIDGE
RS130 STA 32+13
500
490
480
475
470
465
460
455
450
445
440
10+00
15+00
20+00
25+00
30+00

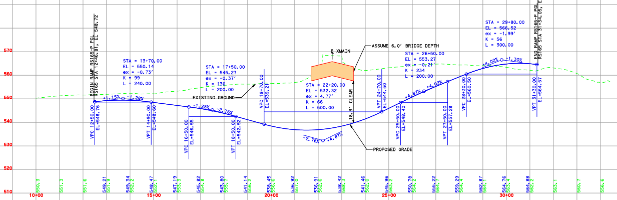

BEGIN RAMP RS150-P
RS150 STA 16+29.41,
STA = 17+30.00
EL = 529.38
ex = -0.21'
K = 132
L = 150.00
VPC 19+20.00
EL= 525.07
VPT 21+20.00
EL= 523.45
END RAMP RS150-P PGL
RS150 STA 21+29.29, EL
-1.13%
-2.27%
-2.27%
+0.65%
VPC 16+55.00
EL= 530.23
VPT 18+05.00
EL= 527.68
STA = 20+20.00
EL = 522.80
ex = 0.73'
K = 68
L = 200.00
EXISTING GROUND
PROPOSED GRADE
522.4
521.4
521.6
521.3
529.65
521.7
527.79
522.0
525.52
522.2
523.72
520.7
523.35
523.4
523.7
525.2
15+00
20+00

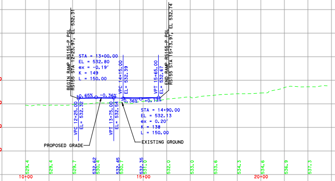
ENTRANCE RAMP RS150

SB IH35E ENTRANCE RAMP
FROM FOX AVE

EXIT RAMP RS165

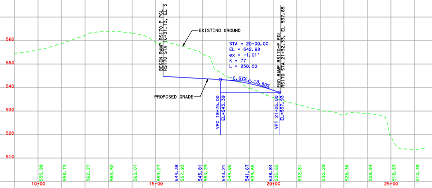
FM 1171/ MAIN ST BYPASS RAMP

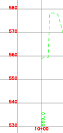

570
560
550
540
530
520
510
BEGIN RAMP RS165-P PGL
RS165 STA 12+46.81, EL 548.72
STA = 13+70.00
EL = 550.14
ex = -0.73'
K = 99
L = 240.00
STA = 17+50.00
EL = 545.27
ex = -0.37'
K = 136
L = 200.00
EXISTING GROUND
℄ XMAIN
ASSUME 6.0' BRIDGE DEPTH
STA = 22+20.00
EL = 532.32
ex = 4.77'
K = 66
L = 500.00
18.3' CLEAR
STA = 26+50.00
EL = 553.27
ex = -0.21'
K = 234
L = 200.00
STA = 29+80.00
EL = 566.52
ex = -1.99'
K = 56
L = 300.00
END RAMP RS165-P PGL
RS165 STA 31+34.05, EL 564.52
+1.15%
-1.28%
-1.28%
-2.76%
-2.76%
+4.87%
+4.87%
+4.02%
+4.02%
-1.30%
VPC 12+50.00
EL=548.76
VPT 14+90.00
EL=548.60
VPC 16+50.00
EL=546.55
VPT 18+50.00
EL=542.52
VPC 19+70.00
EL=539.21
VPT 24+70.00
EL=544.50
VPC 25+50.00
EL=548.40
VPT 27+50.00
EL=557.28
VPC 28+30.00
EL=560.50
VPT 31+30.00
EL=564.57
PROPOSED GRADE
550.3
551.3
551.6
549.21
551.9
549.34
552.2
548.47
552.1
547.19
553.3
545.82
554.8
543.80
555.7
541.14
556.2
538.45
556.6
536.92
557.0
536.91
562.6
538.42
568.3
541.46
562.0
545.96
563.2
550.78
564.2
555.22
564.7
559.29
564.4
562.87
564.1
564.76
563.4
564.88
562.2
563.1
560.7
556.6
10+00
15+00
20+00
25+00
30+00


BEGIN RAMP RS155-P PGL
RS155 STA 12+23.97, EL 532.31
STA = 13+00.00
EL = 532.80
ex = -0.19'
K = 149
L = 150.00
VPC 14+15.00
EL= 532.39
VPT 15+65.00
EL= 532.67
END RAMP RS155-P PGL
RS155 STA 15+73.97, EL 532.74
+0.65%
-0.36%
-0.36%
+0.73%
VPC 12+25.00
EL= 532.32
VPT 13+75.00
EL= 532.54
STA = 14+90.00
EL = 532.13
ex = 0.20'
K = 138
L = 150.00
PROPOSED GRADE
EXISTING GROUND
529.4
529.4
529.7
532.62
530.4
532.45
530.7
532.35
531.0
532.0
533.0
533.6
534.3
534.6
536.9
537.3
10+00
15+00
20+00

EXIT RAMP RS155

SB IH35E EXIT RAMP
TO SH121 BUSINESS

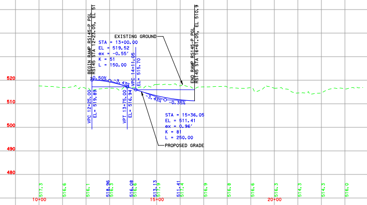

560
550
540
530
520
510
EXISTING GROUND
BEGIN RAMP RS170-P PGL
RS170 STA 16+31.73, EL 5
STA = 20+00.00
EL = 542.68
ex = -1.01'
K = 77
L = 250.00
END RAMP RS170-P PGL
RS170 STA 21+32.33, EL 537.65
-0.57%
-3.80%
PROPOSED GRADE
VPC 18+75.00
EL=543.39
VPT 21+25.00
EL=537.93
556.98
558.73
562.27
563.92
563.07
559.27
544.38
557.93
543.81
554.29
543.21
544.86
541.67
539.65
538.84
535.65
532.81
530.29
528.36
528.84
518.83
513.48
10+00
15+00
20+00
25+00


580
570
560
550
540
530
559.0
10+00

ENTRANCE RAMP RS170

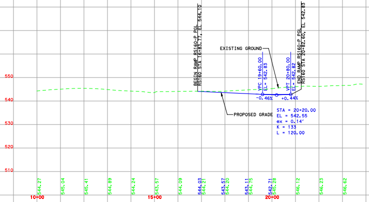
SB IH35E ENTRANCE RAMP
FROM VALLEY VIEW RIDGE BLVD

END RAMP RS130-P PGL
RS130 STA 32+91.76, EL 465.87
451.55
451.19
451.10
464.96
35+00


520
510
500
490
480
BEGIN RAMP RS145-P PGL
RS145 STA 12+23.05, EL 51
EXISTING GROUND
STA = 13+00.00
EL = 519.52
ex = -0.55'
K = 51
L = 150.00
VPC 14+11.05
EL= 515.70
END RAMP RS145-P PGL
RS145 STA 16+61.05, EL 510.9
-0.50%
-3.43%
-3.43%
-0.35%
VPC 12+25.00
EL= 519.89
VPT 13+75.00
EL= 516.94
STA = 15+36.05
EL = 511.41
ex = 0.96'
K = 81
L = 250.00
PROPOSED GRADE
517.3
516.6
516.1
518.96
516.3
516.08
516.6
513.13
517.9
511.41
517.4
516.9
516.8
516.6
516.3
514.3
514.3
516.0
10+00
15+00
20+00

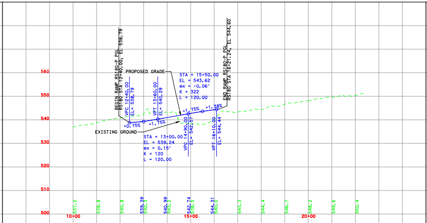
EXIT RAMP RS145

SB IH35E EXIT RAMP
TO CORPORATE DR


550
540
530
520
510
BEGIN RAMP RS160-P PGL
RS160 STA 16+83.77, EL 544.10
EXISTING GROUND
VPC 19+60.00
EL= 542.83
VPT 20+80.00
EL= 542.82
END RAMP RS160-P PGL
RS160 STA 20+82.60, EL 542.83
-0.46%
+0.44%
PROPOSED GRADE
STA = 20+20.00
EL = 542.55
ex = 0.14'
K = 133
L = 120.00
544.27
545.04
545.41
544.89
544.24
543.57
544.09
544.03
543.57
543.11
542.71
546.12
546.23
546.62
10+00
15+00
20+00

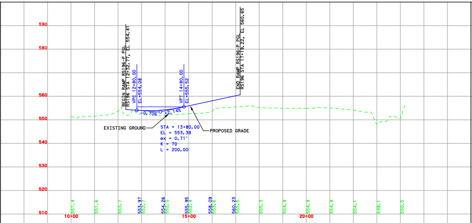
ENTRANCE RAMP RS160

SB IH35E ENTRANCE RAMP
FROM FM 1171/ MAIN ST


BEGIN RAMP RS180-P PGL
RS180 STA 12+40.00, EL 538.79
PROPOSED GRADE
VPC 12+40.00
EL= 538.79
VPT 13+60.00
EL= 540.29
STA = 15+50.00
EL = 543.62
ex = -0.06'
K = 322
L = 120.00
END RAMP RS180-P PGL
RS180 STA 16+21.24, EL 544.60
+0.75%
+1.75%
+1.75%
+1.38%
EXISTING GROUND
STA = 13+00.00
EL = 539.24
ex = 0.15'
K = 120
L = 120.00
VPC 14+90.00
EL= 542.57
VPT 16+10.00
EL= 544.44
560
550
540
530
520
510
500
10+00
15+00
20+00

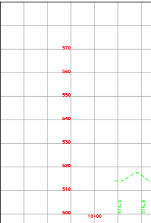
EXIT RAMP RS180

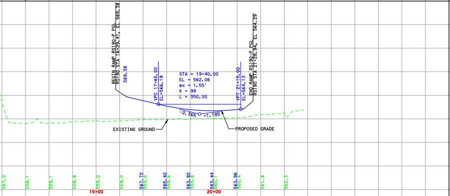
SB IH35E EXIT RAMP
TO VALLEY VIEW RIDGE BLVD


BEGIN RAMP RS196-P PGL
RS196 STA 12+32.77, EL 554.41
VPC 12+80.00
EL=554.08
VPT 14+80.00
EL=555.52
END RAMP RS196-P PGL
RS196 STA 17+19.22, EL 560.65
-0.70%
+2.14%
EXISTING GROUND
STA = 13+80.00
EL = 553.38
ex = 0.71'
K = 70
L = 200.00
PROPOSED GRADE
590
580
570
560
550
540
530
520
510
10+00
15+00
20+00

EXIT RAMP RS196

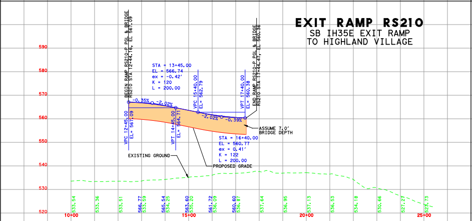
SB IH35E EXIT RAMP
TO FM 407


570
560
550
540
530
520
510
500
10+00


BEGIN RAMP RS190-P PGL
RS190 STA 16+29.41, EL 569.38
569.38
VPC 17+65.00
EL=566.19
STA = 19+40.00
EL = 562.06
ex = 1.55'
K = 99
L = 350.00
VPT 21+15.00
EL=564.13
END RAMP RS190-P PGL
RS190 STA 21+28.94, EL 564.29
-2.36%
+1.18%
EXISTING GROUND
PROPOSED GRADE
15+00
20+00

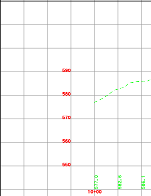
ENTRANCE RAMP RS190

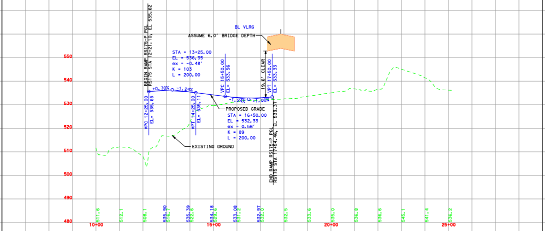
SB IH35E ENTRANCE RAMP
FROM GARDEN RIDGE BLVD


BEGIN RAMP RS210-P PGL & BRIDGE
RS210 STA 12+44.16, EL 567.09
STA = 13+45.00
EL = 566.74
ex = -0.42'
K = 120
L = 200.00
VPC 15+40.00
EL= 562.79
VPT 17+40.00
EL= 560.38
END RAMP RS210-P PGL & BRIDGE
RS210 STA 17+44.47, EL 560.36
-0.35%
-2.02%
-2.02%
-0.39%
VPC 12+45.00
EL= 567.09
VPT 14+45.00
EL= 564.71
ASSUME 7.0'
BRIDGE DEPTH
STA = 16+40.00
EL = 560.77
ex = 0.41'
K = 122
L = 200.00
EXISTING GROUND
PROPOSED GRADE
590
580
570
560
550
540
530
520
10+00
15+00
20+00
25+00

EXIT RAMP RS210

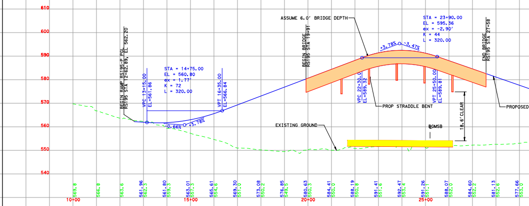
SB IH35E EXIT RAMP
TO HIGHLAND VILLAGE


590
580
570
560
550
10+00


BEGIN RAMP RS175-P PGL
RS175 STA 12+21.10, EL 535.62
BL VLRG
ASSUME 6.0' BRIDGE DEPTH
STA = 13+25.00
EL = 536.35
ex = -0.48'
K = 103
L = 200.00
VPC 15+50.00
EL= 533.56
19.6' CLEAR
VPT 17+50.00
EL= 533.33
+0.70%
-1.24%
-1.24%
+1.00%
VPC 12+25.00
EL= 535.65
VPT 14+25.00
EL= 535.11
PROPOSED GRADE
STA = 16+50.00
EL = 532.33
ex = 0.56'
K = 89
L = 200.00
EXISTING GROUND
END RAMP RS175-P PGL
RS175 STA 17+54.46, EL 533.37
550
540
530
520
510
500
490
480
10+00
15+00
20+00
25+00

EXIT RAMP RS175

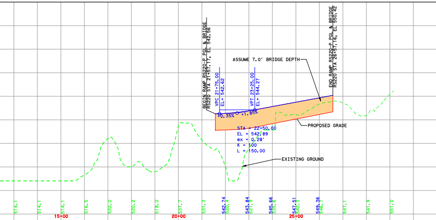
SB IH35E EXIT RAMP
TO FM 1171/ MAIN ST


ASSUME 6.0' BRIDGE DEPTH
STA = 23+90.00
EL = 595.36
ex = -2.90'
K = 44
L = 320.00
BEGIN BRIDGE
RS195 STA 19+91
END BRIDGE
RS195 STA 27+58
BEGIN RAMP RS195-P PGL
RS195 STA 12+62.89, EL 562.20
+3.78%
-3.47%
VPC 13+15.00
EL=561.86
STA = 14+75.00
EL = 560.80
ex = 1.77'
K = 72
L = 320.00
VPT 16+35.00
EL=566.84
VPC 22+30.00
EL=589.32
VPT 25+50.00
EL=589.81
PROP STRADDLE BENT
PROPOSED
-0.66%
+3.78%
EXISTING GROUND
℄GMSB
18.6'CLEAR
610
600
590
580
570
560
550
540
10+00
15+00
20+00
25+00

EXIT RAMP RS195

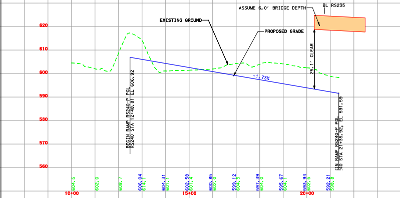
SB IH35E MANAGED LANES EXIT RAMP
TO FM 407

SOUTHBOUND RAMP PROFILES


BEGIN RAMP RS220-P PGL & BRIDGE
RS220 STA 21+57.17, EL 542.56
ASSUME 7.0' BRIDGE DEPTH
END RAMP RS220-P PGL & BRIDGE
RS220 STA 26+57.16, EL 550.42
VPC 21+75.00
EL= 542.62
VPT 23+25.00
EL= 544.27
+0.35%
+1.85%
STA = 22+50.00
EL = 542.89
ex = 0.28'
K = 100
L = 150.00
PROPOSED GRADE
EXISTING GROUND
15+00
20+00
25+00

ENTRANCE RAMP RS220

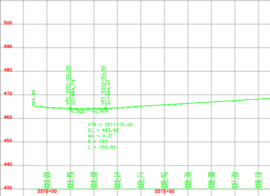
SB IH35E ENTRANCE RAMP
FROM COUNTRY LN/ S DENTON DR

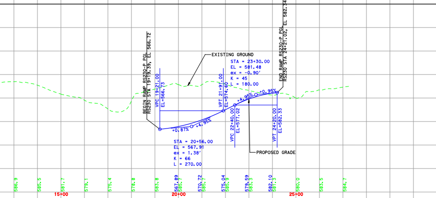

ASSUME 6.0' BRIDGE DEPTH
BL RS235
EXISTING GROUND
PROPOSED GRADE
25.1' CLEAR
-1.73%
BEGIN RAMP RS240-P PGL
RS240 STA 12+48.81 EL 606.92
END RAMP RS240-P PGL
RS240 STA 21+35.92, EL 591.59
620
610
600
590
580
570
560
10+00
15+00
20+00

EXIT RAMP RS240

SB IH35E EXIT RAMP
TO COUNTRY LN/ S DENTON DR

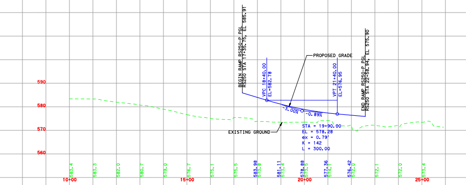
SH121 EBFR (121FREB)


500
490
480
470
460
450
440
430
444.95
VPC 2211+00.00
EL=444.19
VPT 2212+50.00
EL=444.27
-0.50%
+0.60%
STA = 2211+75.00
EL = 443.82
ex = 0.21'
K = 137
L = 150.00
2210+00
2215+00


BEGIN RAMP RS230-P PGL
RS230 STA 19+19.39, EL 566.72
EXISTING GROUND
STA = 23+30.00
EL = 581.48
ex = -0.90'
K = 45
L = 180.00
END RAMP RS230-P PGL
RS230 STA 24+21.02, EL 582.34
VPC 19+21.00
EL=566.73
VPT 21+91.00
EL=574.60
VPC 22+40.00
EL=577.02
VPT 24+20.00
EL=582.33
+0.87%
+4.95%
+0.95%
STA = 20+56.00
EL = 567.91
ex = 1.38'
K = 66
L = 270.00
PROPOSED GRADE
15+00
20+00
25+00

ENTRANCE RAMP RS230

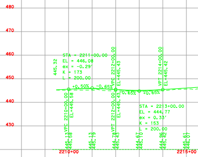
SB IH35E ENTRANCE RAMP
FROM TURBEVILLE RD/ HUNDLEY DR

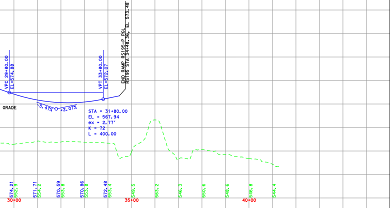

BEGIN RAMP RS250-P PGL
RS250 STA 17+35.75, EL 585.91
PROPOSED GRADE
VPC 18+40.00
EL=582.78
VPT 21+40.00
EL=576.95
END RAMP RS250-P PGL
RS250 STA 22+58.94, EL 575.90
-3.00%
-0.89%
EXISTING GROUND
STA = 19+90.00
EL = 578.28
ex = 0.79'
K = 142
L = 300.00
590
580
570
560
10+00
15+00
20+00
25+00

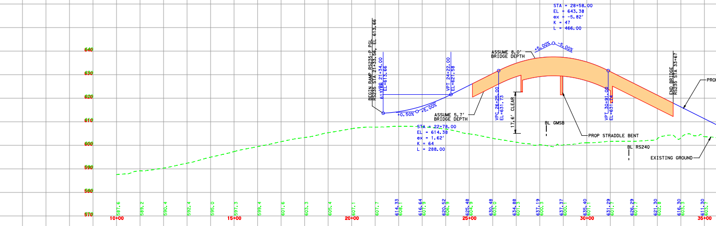
ENTRANCE RAMP RS250

SB IH35E ENTRANCE RAMP
FROM MEADOW OAKS DR

SH121 WBFR (121

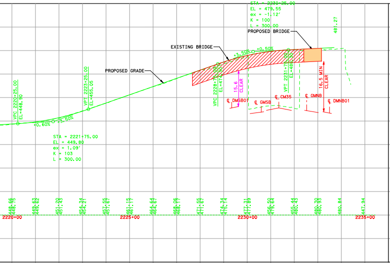

480
470
460
450
440
430
445.32
STA = 2211+00.00
EL = 446.09
ex = -0.29'
K = 173
L = 200.00
+0.50%
-0.65%
+0.65%
STA = 2213+00.00
EL = 444.77
ex = 0.33'
K = 153
L = 200.00
2210+00
2215+00

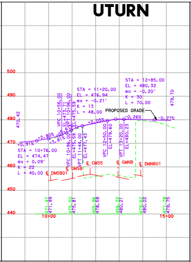

VPC 29+80.00
EL=574.88
VPT 33+80.00
EL=572.07
END RAMP RS195-P PGL
RS195 STA 34+48.36, EL 573.48
GRADE
-3.47%
+2.07%
STA = 31+80.00
EL = 567.94
ex = 2.77'
K = 72
L = 400.00
30+00
35+00
40+00

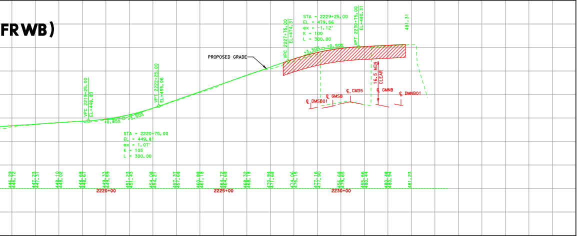

STA = 28+58.00
EL = 643.38
ex = -5.82'
K = 47
L = 466.00
ASSUME 8.0' BRIDGE DEPTH
+5.00%
-5.00%
BEGIN RAMP RS235-P PGL
RS235 STA 21+33.56, EL 613.66
VPC 21+34.00
EL=613.66
VPT 24+22.00
EL=621.58
VPC 26+25.00
EL=631.73
VPT 30+91.00
EL=631.74
END BRIDGE
RS235 STA 33+67
-0.50%
+5.00%
ASSUME 5.7' BRIDGE DEPTH
STA = 22+78.00
EL = 614.38
ex = 1.62'
K = 64
L = 288.00
17.6' CLEAR
BL GMSB
PROP STRADDLE BENT
BL RS240
EXISTING GROUND
640
630
620
610
600
590
580
570
10+00
15+00
20+00
25+00
30+00
35+00

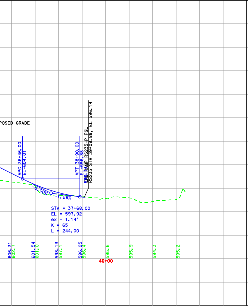
ENTRANCE RAMP RS235

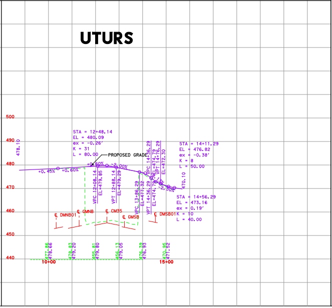
SB IH35E MANAGED LANES ENTRANCE RAMP
FROM FM 2181/ SWISHER RD


STA = 2230+25.00
EL = 479.55
ex = -1.12'
K = 100
L = 300.00
PROPOSED BRIDGE
481.27
EXISTING BRIDGE
PROPOSED GRADE
+3.50%
+0.50%
VPC 2220+25.00 EL=448.90
VPT 2223+25.00 EL=455.05
VPC 2228+75.00 EL=474.30
VPT 2231+75.00 EL=480.30
+0.60%
+3.50%
15.6 CLEAR
16.5 MIN CLEAR
℄ DMSB01
℄ GMSB
℄ CM35
℄ GMNB
℄ DMNB01
STA = 2221+75.00
EL = 449.80
ex = 1.09'
K = 103
L = 300.00
2220+00
2225+00
2230+00
2235+00


UTURN
500
490
480
470
460
450
440
470.42
VPC 10+56.00 EL=473.71
VPT 10+96.00 EL=475.59
STA = 11+20.00
EL = 476.94
ex = -0.21'
K = 13
L = 48.00
STA = 12+85.00
EL = 480.32
ex = -0.20'
K = 30
L = 70.00
479.70
PROPOSED GRADE
-0.26%
-0.27%
+2.05%
+2.80%
+3.81%
+0.91%
VPC 10+96.00 EL=475.59
VPT 11+44.00 EL=477.43
VPC 12+50.00 EL=479.60
VPT 13+20.00 EL=480.23
STA = 10+76.00
EL = 474.47
ex = 0.09'
K = 22
L = 40.00
℄ DMSB01
℄ GMSB
℄ CM35
℄ GMNB
℄ DMNB01
471.47 471.99
475.50 475.81
455.96 478.58
456.32 480.21
479.62 480.02
477.78 479.75
10+00
15+00


FRWB)
STA = 2229+25.00
EL = 479.56
ex = -1.12'
K = 100
L = 300.00
VPC 2227+75.00 EL=474.31
VPT 2230+75.00 EL=480.31
481.31
+3.50%
+0.50%
PROPOSED GRADE
16.5 MIN CLEAR
℄ DMSB01
℄ GMSB
℄ CM35
℄ GMNB
℄ DMNB01
VPC 2219+25.00 EL=448.83
VPT 2222+25.00 EL=455.06
+0.65%
+3.50%
STA = 2220+75.00
EL = 449.81
ex = 1.07'
K = 105
L = 300.00
2220+00
2225+00
2230+00


POSED GRADE
VPC 36+46.00 EL=604.01
VPT 38+90.00 EL=596.38
END RAMP RS235-P PGL
RS235 STA 39+08.88, EL 596.14
-5.00%
-1.26%
STA = 37+68.00
EL = 597.92
ex = 1.14'
K = 65
L = 244.00
606.31 602.7
601.54 601.0
598.13 597.1
596.25 596.4
595.6
595.9
594.3
595.2
40+00


UTURS
500
490
480
470
460
450
440
478.10
STA = 12+48.14
EL = 480.09
ex = -0.26'
K = 31
L = 80.00
PROPOSED GRADE
+0.45%
+0.60%
+0.60%
-2.00%
VPC 12+08.14 EL=479.85
VPT 12+88.14 EL=479.29
VPC 13+86.29 EL=477.32
VPT 14+36.29 EL=474.79
VPC 14+36.29 EL=474.79
VPT 14+76.29 EL=472.30
STA = 14+11.29
EL = 476.82
ex = -0.38'
K = 8
L = 50.00
470.10
-2.30%
STA = 14+56.29
EL = 473.16
ex = 0.19'
K = 10
L = 40.00
℄ DMNB01
℄ GMNB
℄ CM35
℄ GMSB
℄ DMSB01
477.86 478.66
478.83 479.20
455.81 479.80
456.13 479.05
476.39 476.93
470.95 471.52
10+00
15+00

®
Texas Department of Transportation

Dallas District Design Schematic

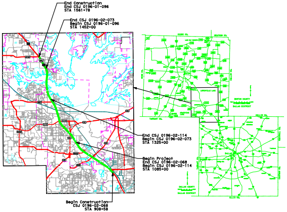
William L. Hale, P.E., District Engineer

IH 35E

From: PGBT
To: FM 2181 S. in Corinth
Dallas & Denton County
Functional Class: Urban Freeway
Project Length: 12.27 Miles

CSJ's: 0196-01-096
0196-02-073
0196-02-114
0196-02-068

Design Speeds:
Mainlanes 70 mph
Managed Lanes 70 mph
Ramps 40 mph
Turnaround Ramps 20 mph
Frontage Roads 40 mph
Cross Streets 30 mph
Collector Distributor 50 mph
Direct Connectors 50 mph


End Construction
End CSJ 0196-01-096
STA 1561+78
End CSJ 0196-02-073
Begin CSJ 0196-01-096
STA 1452+00
End CSJ 0196-02-114
Begin CSJ 0196-02-073
STA 1325+00
Begin Project
End CSJ 0196-02-068
Begin CSJ 0196-02-114
STA 1085+00
Begin Construction
CSJ 0196-02-068
STA 908+58
COOKE CO.
TARRANT CO.
DALLAS COUNTY
DALLAS DISTRICT

Scale:
Horizontal 1"=100'
Vertical 1"=10'

October 2010

MIDDLE SEGMENT - RAMPS
Roll 8 of 9

SCHEMATIC PREPARED BY:
HDR ENGINEERING, INC.
REGISTRATION NUMBER 754
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:

NAME	P.E. NUMBER
PHILLIP WAYNE ULLMAN	71426
M. SHANE WALTERS	100195

10-18-2010
DATE

HDR Engineering, Inc.
17111 Preston Road, Suite 200
Dallas, Texas 75248-1229

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