TEXAS DEPARTMENT OF TRANSPORTATION®

DALLAS DISTRICT

CEASON CLEMENS, P.E., DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380 FARMERSVILLE

COLLIN COUNTY, TEXAS

CSJ:	FROM	TO
0135-04-038:	CR 560	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)
0135-17-002:	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)
0135-05-028:	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)
0135-06-038:	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)	E OF CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)

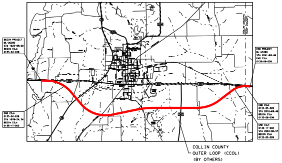
APRIL 2023

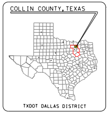
ROLL 9 OF 10

LENGTH:	7.6 MILES (ULTIMATE)
	7.9 MILES (ULTIMATE & INTERIM TRANSITION)
FUNCTIONAL CLASS:	INTERSTATE
DESIGN SPEEDS (MINIMUM)	
MAIN LANES:	70 MPH
RAMPS:	45 MPH
FRONTAGE ROAD:	40 MPH
CR 696 - MAJOR COLLECTOR:	60 MPH
HAMILTON/MAIN (FUTURE) MAJOR COLLECTOR:	50 MPH
SH 78 - PRINCIPAL ARTERIAL:	45 MPH
FM 547 - PRINCIPAL ARTERIAL:	40 MPH
CR 560/W-BUS380 - MAJOR ARTERIAL:	40 MPH
CRs 607N,607S,609N,609S,697N,697S LOCAL:	40 MPH
AUDIE MURPHY(CR 567) AND AUDIE MURPHY PARKWAY (AMP) (EAST END) PRINCIPAL ARTERIAL:	30 MPH
CR 699/CR 698 - MAJOR ARTERIAL:	30 MPH
OLD JOSEPHINE(CR 648) MINOR COLLECTOR:	30 MPH
EB AUDIE MURPHY TO WB FRONTAGE LOCAL ACCESS - LOCAL:	25 MPH

HIGHWAY CLASSIFICATION

URBAN FREEWAY


COLLIN COUNTY
OUTER LOOP (CCOL)
(BY OTHERS)


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP

N.T.S.

0 10 20 30 40

VERTICAL SCALE:

0 100 200 300 400

HORIZONTAL SCALE:

DATE: APRIL 21, 2023
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
NICOLE M. CARRILLO, P.E.
Nicole Carrillo
SERIAL NO. 101321

CHELSEA BOWEN
Chelsea Bowen
SERIAL NO. 113553

HNTB

HNTB Corporation
The HNTB Companies
Firm Registration Number F-420
Engineers Architects Planners

DATE SUBMITTED:

DATE APPROVED:

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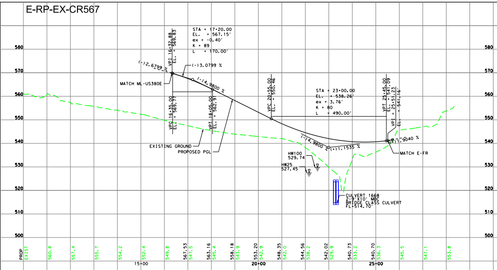
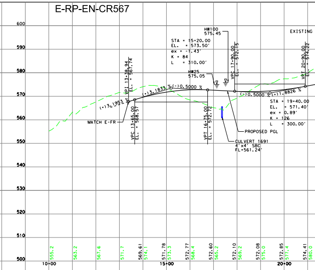
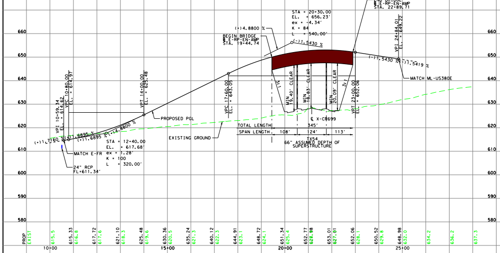
E-RP-EX-CR567


STA = 17+20.00
EL. = 567.15'
ex = -0.40'
K = 89
L = 170.00'
VPI 16+32.88 EL. = 569.83
(-)2.6799 %
(-)3.0799 %
MATCH ML-US380E
(-)4.9800 %
VPC 16+35.00 EL. = 569.77
VPT 18+05.00 EL. = 562.91
VPC 20+55.00 EL. = 550.46
STA = 23+00.00
EL. = 538.26'
ex = 3.76'
K = 80
L = 490.00'
VPT 25+45.00 EL. = 541.09
VPI = 25+51.23 EL. = 541.16'
(+)1.9040 %
(-)4.9800 %
(+)1.1535 %
MATCH E-FR
EXISTING GROUND
PROPOSED PGL
HW100 529.74
HW25 527.45
CULVERT 1668
2-9'X10' MBC
BRIDGE CLASS CULVERT
FL=514.70'
PROP
EXIST
15+00
20+00
25+00

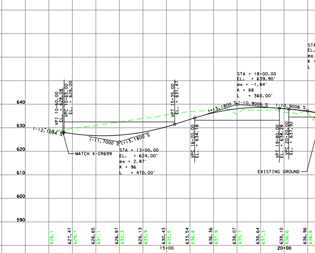
E-RP-EN-CR567


HW100 575.45
EXISTING
STA = 15+20.00
EL. = 573.50'
ex = -1.43'
K = 84
L = 310.00'
HW25 575.05
VPI 13+38.94 EL. = 567.74
VPC 13+65.00 EL. = 568.57
VPT 16+75.00 EL. = 572.72
VPC 17+90.00 EL. = 572.15
VPT 20+90.00 EL. = 574.22
(+)3.1953 %
(+)3.1833 %
(-)0.5000 %
(-)0.5000 %
(+)1.8826 %
STA = 19+40.00
EL. = 571.40'
ex = 0.89'
K = 126
L = 300.00'
MATCH E-FR
PROPOSED PGL
CULVERT 1691
4'x4' SBC
FL=561.24'
10+00
15+00
20+00

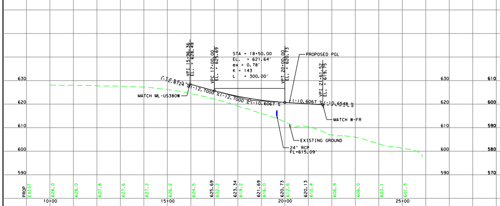
E-RP-EN-AMP


END BRIDGE
℄ E-RP-EN-AMP
STA. 22+89.71
STA = 20+30.00
EL. = 656.23'
ex = -4.34'
K = 84
L = 540.00'
(+)4.8800 %
BEGIN BRIDGE
℄ E-RP-EN-AMP
STA. 19+44.74
(-)1.5430 %
VPI 24+84.01 EL. = 649.22
(-)1.5430 %
(-)1.5419 %
MATCH ML-US380E
VPI 10+59.34 EL. = 614.62
VPC 10+80.00 EL. = 614.97
VPT 14+00.00 EL. = 625.48
VPC 17+60.00 EL. = 643.05
VPT 23+00.00 EL. = 652.06
3:1
MIN 19.40' CLEAR
MIN 18.83' CLEAR
MIN 20.09' CLEAR
PROPOSED PGL
℄ X-CR699
TOTAL LENGTH 345'
SPAN LENGTH 108' 124' 113'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
EXISTING GROUND
(+)1.7160 %
(+)1.6895 %
(+)1.6895 %
(+)4.8800 %
STA = 12+40.00
EL. = 617.68'
ex = 1.28'
K = 100
L = 320.00'
MATCH E-FR
24" RCP
FL=611.34'
10+00
15+00
20+00
25+00

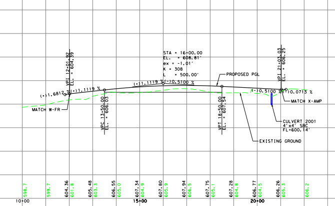
E-RP-EN-CR699

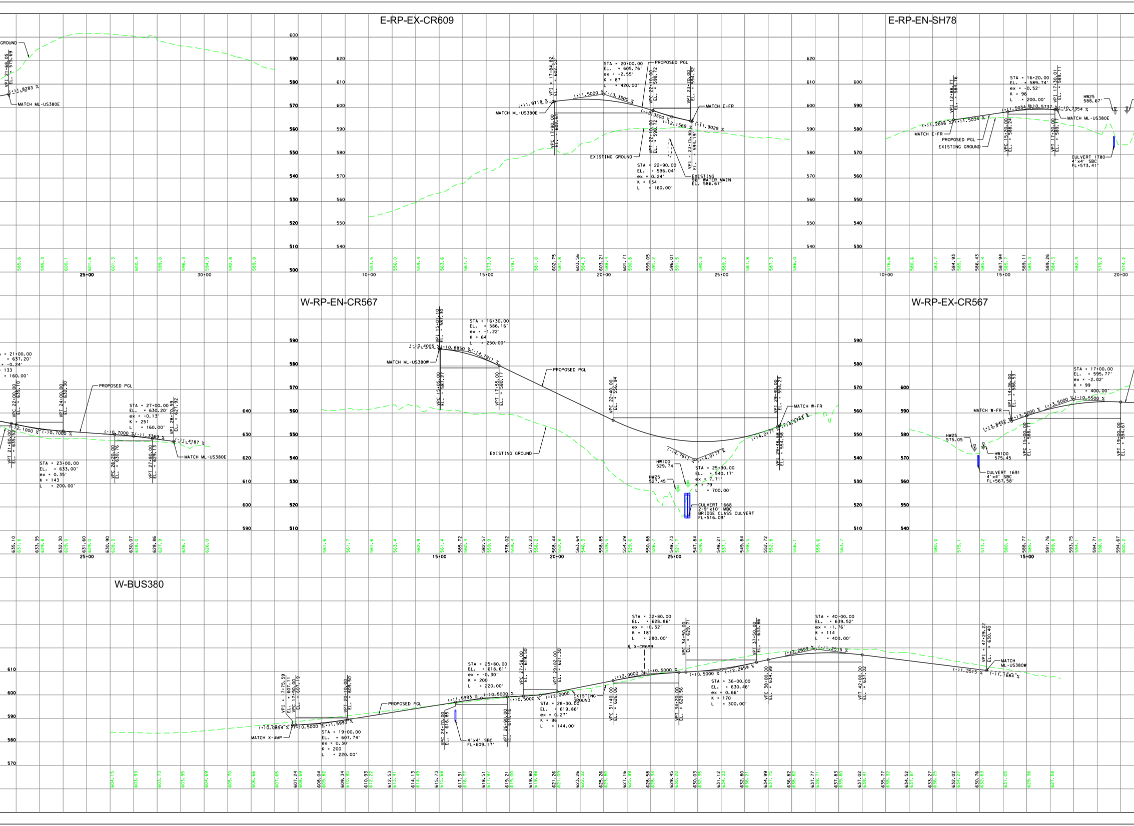

STA = 18+00.00
EL. = 639.90'
ex = -1.84'
K = 88
L = 360.00'
VPI 10+60.00 EL. = 628.08
VPC 10+65.00 EL. = 628.00
VPT 15+35.00 EL. = 631.47
VPC 16+20.00 EL. = 634.18
VPT 19+80.00 EL. = 638.28
VPC 20+20.00 EL. = 637.92
(-)2.1094 %
(-)1.7000 %
(+)3.1800 %
(+)3.1800 %
(-)0.9006 %
(-)0.9006 %
MATCH X-CR699
STA = 13+00.00
EL. = 624.00'
ex = 2.87'
K = 96
L = 470.00'
EXISTING GROUND
15+00
20+00

W-RP-EN-AMP


VPI 15+96.36 EL. = 628.49
VPC 17+00.00 EL. = 625.69
STA = 18+50.00
EL. = 621.64'
ex = 0.78'
K = 143
L = 300.00'
VPT 20+00.00 EL. = 620.73
PROPOSED PGL
VPI 21+61.52 EL. = 619.75
(-)2.8724 %
(-)2.7000 %
(-)2.7000 %
(-)0.6067 %
(-)0.6067 %
(-)0.6548 %
MATCH ML-US380W
MATCH W-FR
EXISTING GROUND
24" RCP
FL=615.09'
10+00
15+00
20+00
25+00

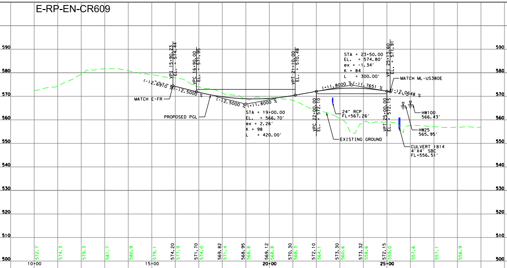
W-EN-FR-AMP


VPI 12+01.92 EL. = 604.39
STA = 16+00.00
EL. = 608.81'
ex = -1.01'
K = 308
L = 500.00'
PROPOSED PGL
VPI 21+03.03 EL. = 606.25
(+)1.6812 %
(+)1.1119 %
(+)1.1119 %
(-)0.5100 %
(-)0.5100 %
(-)0.0713 %
MATCH W-FR
MATCH X-AMP
VPC 13+50.00 EL. = 606.03
VPT 18+50.00 EL. = 607.54
CULVERT 2001
4'x4' SBC
FL=600.14'
EXISTING GROUND
10+00
15+00
20+00

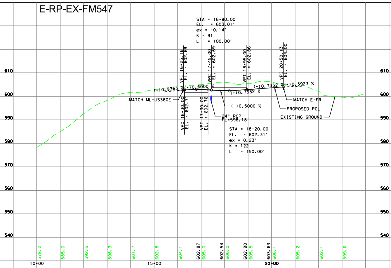

E-RP-EX-CR609
E-RP-EN-SH78
W-RP-EN-CR567
W-RP-EX-CR567
W-BUS380
GROUND
VPI 21+68.05
EL. = 575.69
(+)1.8283 %
MATCH ML-US380E
VPI = 17+84.82
EL. = 602.53
(+)1.9718 %
(+)1.5000 %
(-)3.3500 %
STA = 20+00.00
EL. = 605.76'
ex = -2.55'
K = 87
L = 420.00'
PROPOSED PGL
MATCH ML-US380E
VPC 17+90.00
EL. = 602.61
VPC 22+10.00
EL. = 598.72
VPI 23+70.00
EL. = 594.32
MATCH E-FR
(-)3.3500 %
(-)2.1569 %
(-)1.9029 %
EXISTING GROUND
VPT 22+10.00
EL. = 598.72
VPI = 23+75.65
EL. = 594.19
STA = 22+90.00
EL. = 596.04'
ex = 0.24'
K = 134
L = 160.00'
EXISTING
96" WATER MAIN
EL. 586.67'
VPI 12+88.77
EL. = 584.76
STA = 16+20.00
EL. = 589.74'
ex = -0.52'
K = 96
L = 200.00'
VPI 17+20.01
EL. = 589.11
HW25
588.67'
(+)1.2656 %
(+)1.5034 %
(+)1.5034 %
(+)0.5737 %
(-)0.7354 %
MATCH ML-US380E
MATCH E-FR
PROPOSED PGL
EXISTING GROUND
VPC 15+20.00
EL. = 588.24
VPT 17+20.00
EL. = 589.17
CULVERT 1780
4'x4' SBC
FL=573.41'
STA = 21+00.00
EL. = 637.20'
ex = -0.24'
K = 133
L = 160.00'
VPC 22+00.00
EL. = 635.10
VPT 24+00.00
EL. = 632.30
PROPOSED PGL
(-)2.1000 %
(-)0.7000 %
(-)0.7000 %
(-)1.3369 %
(-)1.4187 %
STA = 27+00.00
EL. = 630.20'
ex = -0.13'
K = 251
L = 160.00'
VPI 28+70.59
EL. = 627.92
MATCH ML-US380E
VPT 21+80.00
EL. = 635.22
STA = 23+00.00
EL. = 633.00'
ex = 0.35'
K = 143
L = 200.00'
VPC 26+20.00
EL. = 630.76
VPT 27+80.00
EL. = 629.13
VPI 15+01.10
EL. = 587.30
STA = 16+30.00
EL. = 586.16'
ex = -1.22'
K = 64
L = 250.00'
(-)0.4005 %
(-)0.8850 %
(-)4.7911 %
MATCH ML-US380W
VPC 15+05.00
EL. = 587.27
VPT 17+55.00
EL. = 580.17
PROPOSED PGL
VPC 22+40.00
EL. = 556.94
VPT 29+40.00
EL. = 554.23
MATCH W-FR
(+)4.0177 %
(+)4.5745 %
EXISTING GROUND
(-)4.7911 %
(+)4.0177 %
HW100
529.74
HW25
527.45
STA = 25+90.00
EL. = 540.17'
ex = 7.71'
K = 79
L = 700.00'
CULVERT 1668
2-9'x10' MBC
BRIDGE CLASS CULVERT
FL=516.09'
VPI 29+48.68
EL. = 554.58
VPI 14+36.00
EL. = 586.53
STA = 17+00.00
EL. = 595.77'
ex = -2.02'
K = 99
L = 400.00'
MATCH W-FR
(+)3.8452 %
(+)3.5000 %
(+)3.5000 %
(-)0.5500 %
HW25
575.05
HW100
575.45
CULVERT 1691
4'x4' SBC
FL=567.58'
VPC 15+00.00
EL. = 588.77
VPT 19+00.00
EL. = 594.67
STA = 32+80.00
EL. = 628.86'
ex = -0.52'
K = 187
L = 280.00'
℄ X-CR699
VPC 34+50.00
EL. = 629.77
VPC 37+50.00
EL. = 633.86
STA = 40+00.00
EL. = 639.52'
ex = -1.76'
K = 114
L = 400.00'
VPI = 47+29.22
EL. = 630.40
MATCH ML-US380W
(+)2.2659 %
(-)1.2515 %
(-)1.2515 %
(-)1.1684 %
(+)0.5000 %
(+)0.5000 %
(+)2.2659 %
(+)2.0000 %
STA = 36+00.00
EL. = 630.46'
ex = 0.66'
K = 170
L = 300.00'
VPC 38+00.00
EL. = 634.99
VPT 42+00.00
EL. = 637.02
VPT 34+20.00
EL. = 629.56
VPC 31+40.00
EL. = 626.06
STA = 25+80.00
EL. = 618.61'
ex = -0.30'
K = 200
L = 220.00'
VPC 27+58.00
EL. = 619.50
VPT 29+02.00
EL. = 621.30
(+)1.5993 %
(+)0.5000 %
(+)0.5000 %
(+)2.0000 %
EXISTING GROUND
STA = 28+30.00
EL. = 619.86'
ex = 0.27'
K = 96
L = 144.00'
VPC 24+70.00
EL. = 616.85
VPT 26+90.00
EL. = 619.10
4'x4' SBC
FL=609.17'
PROPOSED PGL
VPI = 17+75.59
EL. = 607.11
VPC 17+90.00
EL. = 607.19
VPT 20+10.00
EL. = 609.30
(+)0.0854 %
(+)0.5000 %
(+)1.5993 %
MATCH X-AMP
STA = 19+00.00
EL. = 607.74'
ex = 0.30'
K = 200
L = 220.00'
25+00
30+00
10+00
15+00
20+00
25+00
10+00
15+00
20+00
25+00
15+00
20+00
25+00
15+00
500
510
520
530
540
550
560
570
580
590
600
610
620
630
640

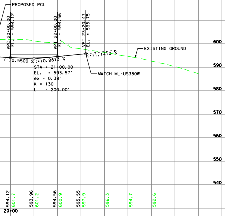
HW100
588.81'
600
590
580
570
560
550
540
530
583.5
586.8
587.8

E-RP-EN-CR609

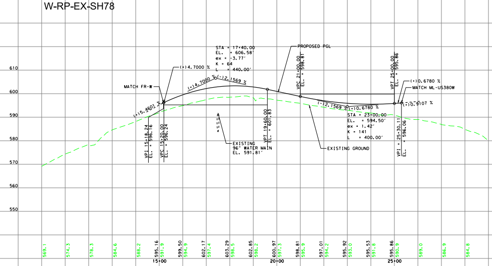

590
580
570
560
550
540
530
520
510
500
VPI 15+90.23
EL. = 574.44
VPC 16+90.00
EL. = 571.95
VPT 21+10.00
EL. = 570.48
STA = 23+50.00
EL. = 574.80'
ex = -1.34'
K = 84
L = 300.00'
VPI 25+13.60
EL. = 571.91
MATCH ML-US380E
(-)2.6910 %
(-)2.5000 %
MATCH E-FR
(-)2.5000 %
(+)1.8000 %
PROPOSED PGL
STA = 19+00.00
EL. = 566.70'
ex = 2.26'
K = 98
L = 420.00'
(+)1.8000 %
(-)1.7651 %
(-)2.0648 %
VPC 22+00.00
EL. = 572.10
VPT 25+00.00
EL. = 572.15
24" RCP
FL=567.26'
HW100
566.43'
HW25
565.95'
EXISTING GROUND
CULVERT 1814
4'X4' SBC
FL=556.51'
572.7
574.3
579.3
581.7
580.9
579.1
574.20
577.9
571.70
574.0
569.82
571.4
568.95
568.8
569.12
568.8
570.30
568.3
572.10
564.1
573.30
560.6
573.32
558.6
572.15
559.0
557.6
557.1
556.9
10+00
15+00
20+00
25+00

E-RP-EX-FM547

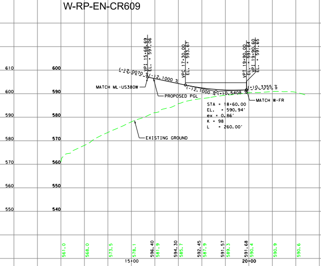

610
600
590
580
570
560
550
540
STA = 16+80.00
EL. = 603.01'
ex = -0.14'
K = 91
L = 100.00'
VPI 16+25.16
EL. = 602.69
VPC 17+45.00
EL. = 602.69
VPT 18+95.00
EL. = 602.86
VPI 20+50.13
EL. = 604.00
(+)0.9363 %
(+)0.6000 %
(+)0.7332 %
(+)0.3923 %
(+)0.7332 %
MATCH ML-US380E
VPC 16+30.00
EL. = 602.71
VPT 17+30.00
EL. = 602.76
(-)0.5000 %
24" RCP
FL=598.18'
MATCH E-FR
PROPOSED PGL
EXISTING GROUND
STA = 18+20.00
EL. = 602.31'
ex = 0.23'
K = 122
L = 150.00'
578.2
585.0
592.5
598.3
601.7
602.8
604.1
602.87
605.0
602.54
606.0
602.90
605.5
603.63
606.1
605.2
602.1
599.6
10+00
15+00
20+00


PROPOSED PGL
VPC 20+00.00
EL. = 594.12
VPT 22+00.00
EL. = 594.56
VPI 23+20.47
EL. = 595.75
EXISTING GROUND
(-)0.5500 %
(+)0.9873 %
(+)1.1410 %
STA = 21+00.00
EL. = 593.57'
ex = 0.38'
K = 130
L = 200.00'
MATCH ML-US380W
600
590
580
570
560
550
540
594.12
601.7
593.96
601.2
594.56
600.9
595.55
597.9
596.3
594.7
592.6
20+00

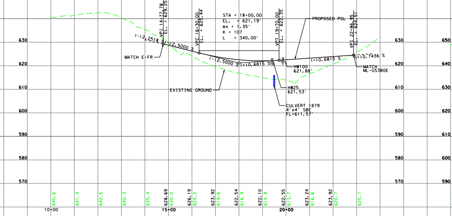
W-RP-EX-SH78


610
600
590
580
570
560
550
STA = 17+40.00
EL. = 606.58'
ex = -3.77'
K = 64
L = 440.00'
PROPOSED PGL
(+)4.7000 %
MATCH FR-W
(+)4.7000 %
(-)2.1569 %
(+)5.4601 %
VPC 21+00.00
EL. = 598.81
VPT 25+00.00
EL. = 595.86
(+)0.6780 %
MATCH ML-US380W
(-)2.1569 %
(+)0.6780 %
(+)0.9107 %
VPI 15+18.24
EL. = 596.16
VPC 15+20.00
EL. = 596.24
EXISTING
96" WATER MAIN
EL. 591.81'
VPT 19+60.00
EL. = 601.83
STA = 23+00.00
EL. = 594.50'
ex = 1.42'
K = 141
L = 400.00'
EXISTING GROUND
VPI = 25+30.11
EL. = 596.06
569.1
574.3
578.3
584.6
588.2
595.16
591.9
599.50
594.9
602.17
597.4
603.29
598.5
602.85
598.2
600.97
597.3
598.81
595.9
597.01
594.2
595.92
593.0
595.53
591.8
595.86
590.9
589.0
586.9
584.8
15+00
20+00
25+00

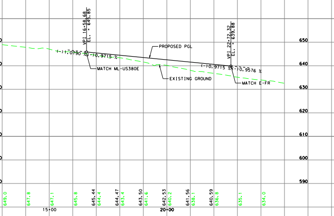
W-RP-EN-CR609


600
590
580
570
560
550
540
VPI 15+68.69
EL. = 597.06
VPC 17+30.00
EL. = 593.67
VPT 19+90.00
EL. = 591.64
VPI 19+90.60
EL. = 591.65
(-)2.0070 %
(-)2.1000 %
MATCH ML-US380W
PROPOSED PGL
(-)2.1000 %
(+)0.5408 %
(+)0.3355 %
MATCH W-FR
STA = 18+60.00
EL. = 590.94'
ex = 0.86'
K = 98
L = 260.00'
EXISTING GROUND
561.0
568.0
573.5
578.1
596.40
581.9
594.30
585.7
592.45
587.9
591.57
589.3
591.68
590.4
590.9
590.6
15+00
20+00

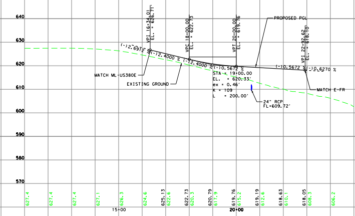
E-RP-EN-JOS


VPI 14+77.78 EL. = 629.25
VPC 16+30.00 EL. = 625.44
STA = 18+00.00
EL. = 621.19'
ex = 1.35'
K = 107
L = 340.00'
VPI 19+70.00 EL. = 622.35
PROPOSED PGL
VPI 22+86.95 EL. = 624.51
(-)2.2518 %
(-)2.5000 %
(-)2.5000 %
(+)0.6815 %
(+)0.6815 %
(+)0.1436 %
MATCH E-FR
HW100 621.88'
MATCH ML-US380E
EXISTING GROUND
HW25 621.53'
CULVERT 1879 4'x4' SBC FL=611.57'
630
620
610
600
590
580
570
640.6
641.4
642.5
640.3
635.4
628.69
630.0
626.19
624.2
623.92
619.6
622.54
616.9
622.10
614.9
622.55
613.7
623.24
616.6
623.92
620.7
625.7
10+00
15+00
20+00

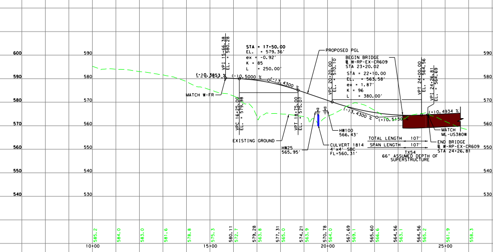
E-RP-EX-CR697


VPI 16+58.68 EL. = 645.85
VPI 22+72.32 EL. = 639.88
PROPOSED PGL
(-)1.0790 %
(-)0.9715 %
(-)0.9715 %
(-)0.9576 %
MATCH ML-US380E
EXISTING GROUND
MATCH E-FR
650
640
630
620
610
600
590
649.0
647.8
647.1
645.8
645.44
644.4
644.47
643.4
643.50
641.6
642.53
640.2
641.56
638.1
640.59
636.8
635.1
634.0
15+00
20+00

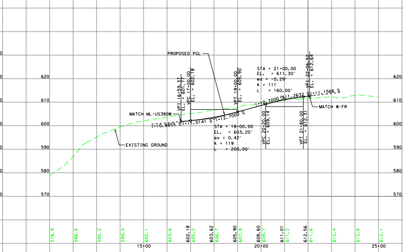
E-RP-EX-AMP


VPI 16+34.01 EL. = 626.71
VPC 18+00.00 EL. = 622.73
VPT 20+00.00 EL. = 619.76
PROPOSED PGL
VPI 22+93.62 EL. = 618.10
(-)2.6916 %
(-)2.4000 %
(-)2.4000 %
(-)0.5672 %
(-)0.5672 %
(-)0.6270 %
STA = 19+00.00
EL. = 620.33'
ex = 0.46'
K = 109
L = 200.00'
MATCH ML-US380E
EXISTING GROUND
MATCH E-FR
24" RCP FL=609.72'
640
630
620
610
600
590
580
570
627.4
627.4
627.4
627.1
626.3
624.6
625.13
622.6
622.73
620.3
620.79
617.9
619.76
615.2
619.19
612.6
618.63
610.1
618.05
608.3
606.2
15+00
20+00

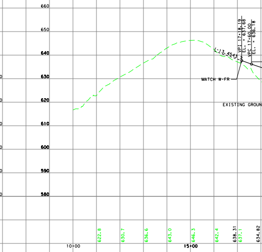
W-RP-EX-CR609


VPI 15+66.38 EL. = 580.28
STA = 17+50.00
EL. = 579.36'
ex = -0.92'
K = 85
L = 250.00'
PROPOSED PGL
BEGIN BRIDGE
℄ W-RP-EX-CR609
STA 23+20.02
VPC 20+20.00 EL. = 570.10
STA = 22+10.00
EL. = 563.58'
ex = 1.87'
K = 96
L = 380.00'
VPT 24+00.00 EL. = 564.56
VPI 24+26.81 EL. = 564.69
(-)0.3853 %
(-)0.5000 %
(-)3.4300 %
(-)3.4300 %
(+)0.5130 %
(+)0.4934 %
MATCH W-FR
VPC 16+25.00 EL. = 579.98
VPT 18+75.00 EL. = 575.07
EXISTING GROUND
HW25 565.95'
HW100 566.43'
CULVERT 1814 4'x4' SBC FL=560.31'
TOTAL LENGTH 107'
SPAN LENGTH 107'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
MATCH ML-US380W
END BRIDGE
℄ W-RP-EX-CR609
STA 24+26.81
600
590
580
570
560
550
540
590
580
570
560
550
540
530
585.2
584.0
583.0
581.6
578.8
575.3
580.11
572.7
579.28
563.8
577.31
565.0
574.21
563.9
570.78
564.0
567.69
569.1
565.60
566.6
564.56
562.1
564.56
565.2
561.9
558.3
10+00
15+00
20+00
25+00

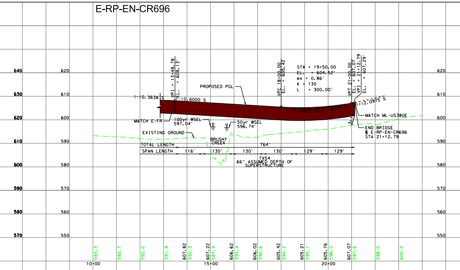
W-RP-EN-FM547

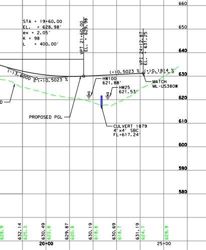

PROPOSED PGL
VPI 16+59.37 EL. = 601.77
VPC 17+00.00 EL. = 602.18
VPI 19+00.00 EL. = 605.90
STA = 21+00.00
EL. = 611.30'
ex = -0.29'
K = 111
L = 160.00'
VPI 22+05.52 EL. = 612.64
MATCH ML-US380W
(+)0.8855 %
(+)1.0141 %
(+)2.7000 %
(+)2.7000 %
(+)1.2632 %
(+)1.1566 %
MATCH W-FR
STA = 18+00.00
EL. = 603.20'
ex = 0.42'
K = 119
L = 200.00'
VPC 20+20.00 EL. = 609.14
VPT 21+80.00 EL. = 612.31
EXISTING GROUND
620
610
600
590
580
570
578.9
586.8
595.2
599.4
602.1
603.6
602.18
605.2
603.62
606.7
605.90
607.9
608.60
609.7
611.01
611.2
612.56
611.6
612.4
612.8
612.1
15+00
20+00
25+00

W-RP-EX-JOS

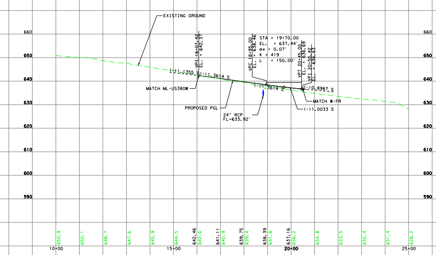

VPI 17+18.19 EL. = 637.68
VPC 17+60.00 EL. = 636.18
(-)3.4543 %
MATCH W-FR
EXISTING GROUN
660
650
640
630
620
610
600
590
580
622.8
630.7
636.6
643.0
646.3
642.4
638.31
637.1
634.82
10+00
15+00

E-RP-EN-CR696


640
630
620
610
600
590
580
570
620
610
600
590
580
570
560
550
VPI = 13+48.78
EL. = 608.13'
PROPOSED PGL
(-)0.3638 %
(-)0.6000 %
VPC 18+00.00
EL. = 605.42
STA = 19+50.00
EL. = 604.52'
ex = 0.86'
K = 130
L = 300.00'
VPT 21+00.00
EL. = 607.07
VPI = 21+12.79
EL. = 607.29'
(-)0.6000 %
(+)1.6994 %
(+)2.0975 %
MATCH E-FR
100yr WSEL
597.04'
50yr WSEL
596.74'
MATCH ML-US380E
EXISTING GROUND
END BRIDGE
℄ E-RP-EN-CR696
STA 21+12.79
BRUSHY CREEK
TOTAL LENGTH
764'
SPAN LENGTH
116'
130'
130'
130'
129'
129'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
593.3
592.7
592.0
591.8
607.82
592.3
607.22
587.4
606.62
593.4
606.02
592.6
605.42
594.2
605.21
595.1
605.76
596.0
607.07
597.6
598.0
600.5
10+00
15+00
20+00


660
650
640
630
620
610
600
590
580
STA = 19+60.00
EL. = 628.98'
ex = 2.05'
K = 98
L = 400.00'
VPT 21+60.00
EL. = 629.98
VPI 24+12.87
EL. = 631.25
(-)3.6000 %
(+)0.5023 %
(+)0.5023 %
(+)0.1814 %
HW100
621.88'
HW25
621.53'
MATCH
ML-US380W
PROPOSED PGL
CULVERT 1879
4'x4' SBC
FL=617.24'
628.9
632.14
625.3
630.49
622.8
629.87
620.8
630.19
618.8
630.69
618.7
631.19
624.7
629.9
20+00
25+00

W-RP-EN-CR697


660
650
640
630
620
610
600
590
EXISTING GROUND
VPI 16+07.42
EL. = 642.37
(-)1.1355 %
(-)1.3614 %
MATCH ML-US380W
PROPOSED PGL
VPC 18+95.00
EL. = 638.46
STA = 19+70.00
EL. = 637.44'
ex = 0.07'
K = 419
L = 150.00'
VPT 20+45.00
EL. = 636.69
VPI 20+50.42
EL. = 636.63
(-)1.3614 %
(-)0.8987 %
MATCH W-FR
(-)1.0033 %
24" RCP
FL=633.92'
650.9
650.1
648.7
647.6
645.9
644.5
642.46
642.6
641.11
640.9
639.75
639.4
638.39
637.8
637.16
636.2
634.8
633.5
632.4
631.4
628.2
10+00
15+00
20+00
25+00

TEXAS DEPARTMENT OF TRANSPORTATION®

DALLAS DISTRICT

CEASON CLEMENS, P.E., DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380 FARMERSVILLE

COLLIN COUNTY, TEXAS

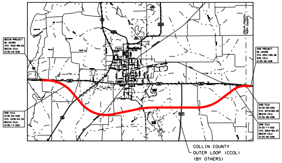
CSJ:	FROM	TO
0135-04-038:	CR 560	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)
0135-17-002:	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)
0135-05-028:	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)
0135-06-038:	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)	E OF CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)

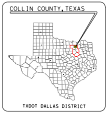
APRIL 2023

ROLL 9 OF 10

LENGTH:	7.6 MILES (ULTIMATE) 7.9 MILES (ULTIMATE & INTERIM TRANSITION)
FUNCTIONAL CLASS:	INTERSTATE
DESIGN SPEEDS (MINIMUM)	
MAIN LANES:	70 MPH
RAMPS:	45 MPH
FRONTAGE ROAD:	40 MPH
CR 696 - MAJOR COLLECTOR:	60 MPH
HAMILTON/MAIN (FUTURE) MAJOR COLLECTOR:	50 MPH
SH 78 - PRINCIPAL ARTERIAL:	45 MPH
FM 547 - PRINCIPAL ARTERIAL:	40 MPH
CR 560/W-BUS380 - MAJOR ARTERIAL:	40 MPH
CRs 607N, 607S, 609N, 609S, 697N, 697S LOCAL:	40 MPH
AUDIE MURPHY (CR 567) AND AUDIE MURPHY PARKWAY (AMP) (EAST END) PRINCIPAL ARTERIAL:	30 MPH
CR 699/CR 698 - MAJOR COLLECTOR:	30 MPH
OLD JOSEPHINE (CR 648) MINOR COLLECTOR:	30 MPH
EB AUDIE MURPHY TO WB FRONTAGE LOCAL ACCESS - LOCAL:	25 MPH

HIGHWAY CLASSIFICATION
URBAN FREEWAY


COLLIN COUNTY
OUTER LOOP (CCOL)
(BY OTHERS)


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

DATE: APRIL 21, 2023
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
NICOLE M. CARRILLO, P.E.
Nicole Carrillo
SERIAL NO. 101321

CHELSEA BOWEN
Chelsea Bowen
SERIAL NO. 113553

HNTB

HNTB Corporation
The HNTB Companies
Firm Registration Number F-420
Engineers Architects Planners

0 10 20 30 40
VERTICAL SCALE:

0 100 200 300 400
HORIZONTAL SCALE:

DATE SUBMITTED: ____

DATE APPROVED: ____

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TEXAS DEPARTMENT OF TRANSPORTATION®

DALLAS DISTRICT

CEASON CLEMENS, P.E., DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380 FARMERSVILLE

COLLIN COUNTY, TEXAS

CSJ:	FROM	TO
0135-04-038:	CR 560	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)
0135-17-002:	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)
0135-05-028:	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)
0135-06-038:	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)	E OF CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)

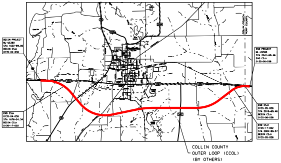
APRIL 2023

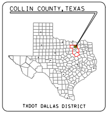
ROLL 10 OF 10

LENGTH:	7.6 MILES (ULTIMATE)
FUNCTIONAL CLASS:	7.9 MILES (ULTIMATE & INTERIM TRANSITION) INTERSTATE
DESIGN SPEEDS (MINIMUM)	
MAIN LANES:	70 MPH
RAMPS:	45 MPH
FRONTAGE ROAD:	40 MPH
CR 696 - MAJOR COLLECTOR:	60 MPH
HAMILTON/MAIN (FUTURE) MAJOR COLLECTOR:	50 MPH
SH 78 - PRINCIPAL ARTERIAL:	45 MPH
FM 547 - PRINCIPAL ARTERIAL:	40 MPH
CR 560/W-BUS380 - MAJOR ARTERIAL:	40 MPH
CRs 607N, 607S, 609N, 609S, 697N, 697S LOCAL:	40 MPH
AUDIE MURPHY (CR 567) AND AUDIE MURPHY PARKWAY (AMP) (EAST END) PRINCIPAL ARTERIAL:	30 MPH
CR 699/CR 698 - MAJOR ARTERIAL:	30 MPH
OLD JOSEPHINE (CR 648) MINOR COLLECTOR:	30 MPH
EB AUDIE MURPHY TO WB FRONTAGE LOCAL ACCESS - LOCAL:	25 MPH

HIGHWAY CLASSIFICATION

URBAN FREEWAY


BEGIN PROJECT
END PROJECT
COLLIN COUNTY
HUNT COUNTY
COLLIN COUNTY OUTER LOOP (CCOL) (BY OTHERS)


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP

N.T.S.

VERTICAL SCALE: 0 10 20 30 40

HORIZONTAL SCALE: 0 100 200 300 400

DATE: APRIL 21, 2023
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
NICOLE M. CARRILLO, P.E.
Nicole Carrillo
SERIAL NO. 101321

CHELSEA BOWEN
Chelsea Bowen
SERIAL NO. 113553

HNTB

HNTB Corporation
The HNTB Companies
Firm Registration Number F-420
Engineers Architects Planners

DATE SUBMITTED:

DATE APPROVED:

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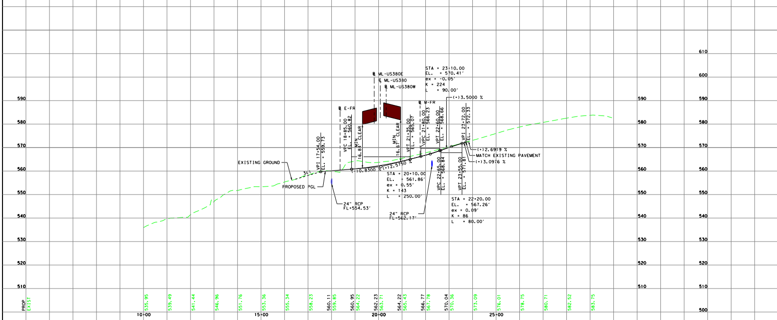
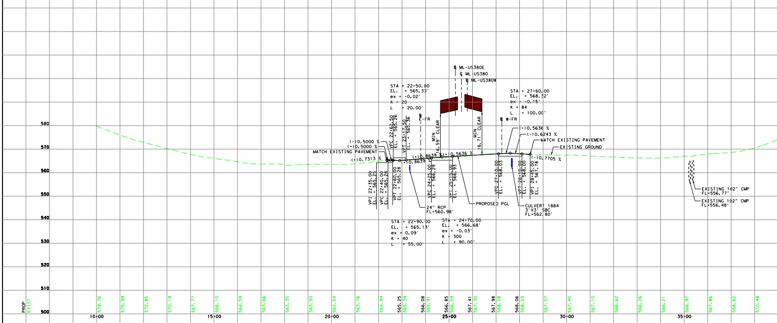
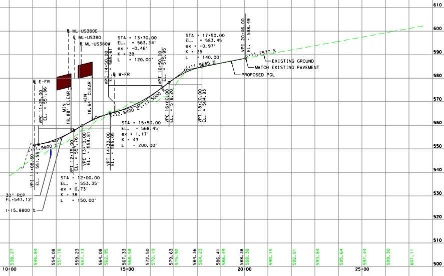
X-CR560

X-CR567

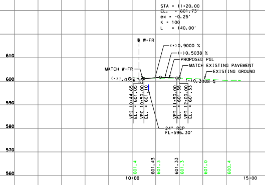

℄ ML-US380E
℄ ML-US380
℄ ML-US380W
℄ E-FR
℄ W-FR
STA = 23+10.00
EL. = 570.41'
ex = -0.05'
K = 224
L = 90.00'
(+)3.5000 %
VPI 17+54.00
EL. = 559.73
VPC 18+85.00
EL. = 560.82
MIN 16.84' CLEAR
MIN 16.67' CLEAR
VPT 21+35.00
EL. = 565.07
VPC 21+80.00
EL. = 566.23
VPT 22+60.00
EL. = 568.66
VPI 23+72.00
EL. = 572.33
(+)2.6919 %
MATCH EXISTING PAVEMENT
(+)3.0976 %
EXISTING GROUND
3:1
PROPOSED PGL
(+)0.8300 %
(+)2.5750 %
STA = 20+10.00
EL. = 561.86'
ex = 0.55'
K = 143
L = 250.00'
VPC 22+65.00
EL. = 568.84
VPT 23+55.00
EL. = 571.81
STA = 22+20.00
EL. = 567.26'
ex = 0.09'
K = 86
L = 80.00'
24" RCP
FL=554.53'
24" RCP
FL=562.17'
610
600
590
580
570
560
550
540
530
520
510
500
PROP
EXIST
10+00
15+00
20+00
25+00

X-JOS

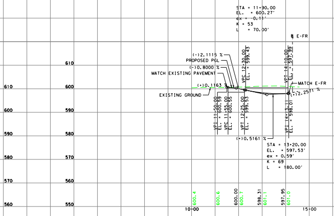

℄ ML-US380E
℄ ML-US380
℄ ML-US380W
℄ E-FR
℄ W-FR
STA = 22+50.00
EL. = 565.33'
ex = -0.02'
K = 20
L = 20.00'
STA = 27+60.00
EL. = 568.32'
ex = -0.15'
K = 84
L = 100.00'
VPC 22+62.50
EL. = 565.26
VPT 23+17.50
EL. = 565.36
MIN 16.59' CLEAR
MIN 16.71' CLEAR
(-)0.5000 %
(+)0.5000 %
MATCH EXISTING PAVEMENT
(+)0.7313 %
(+)0.8639 %
(+)0.5636 %
(-)0.6243 %
EXISTING GROUND
(-)0.7705 %
VPI 22+35.00
EL. = 565.25
VPC 22+40.00
EL. = 565.28
VPT 22+60.00
EL. = 565.28
VPC 24+25.00
EL. = 566.29
VPT 25+15.00
EL. = 566.93
VPC 27+10.00
EL. = 568.03
VPT 28+10.00
EL. = 568.00
VPI 28+45.00
EL. = 567.78
24" RCP
FL=560.98'
PROPOSED PGL
CULVERT 1884
3'X3' SBC
FL=562.80'
STA = 22+90.00
EL. = 565.13'
ex = 0.09'
K = 40
L = 55.00'
STA = 24+70.00
EL. = 566.68'
ex = -0.03'
K = 300
L = 90.00'
EXISTING 102" CMP
FL=556.77'
EXISTING 102" CMP
FL=556.48'
580
570
560
550
540
530
520
510
500
PROP
EXIST
10+00
15+00
20+00
25+00
30+00
35+00


ML-US380E
ML-US380
ML-US380W
E-FR
W-FR
MIN 18.88' CLEAR
MIN 18.64' CLEAR
STA = 13+70.00
EL. = 563.34'
ex = -0.46'
K = 39
L = 120.00'
STA = 17+50.00
EL. = 583.45'
ex = -0.97'
K = 25
L = 140.00'
VPI 20+06.00 EL. = 588.49
(+)1.7577 %
EXISTING GROUND
MATCH EXISTING PAVEMENT
PROPOSED PGL
(+)1.9685 %
(+)7.5000 %
(+)12.8400 %
STA = 15+50.00
EL. = 568.45'
ex = 1.17'
K = 43
L = 200.00'
STA = 12+00.00
EL. = 553.35'
ex = 0.73'
K = 38
L = 150.00'
30" RCP FL=547.12'
(-)5.8800 %
.9800 %
VPI 11+08.30 EL. = 551.53
VPC 11+25.00 EL. = 551.86
VPT 12+75.00
VPC 13+10.00 EL. = 559.81
VPT 14+30.00 EL. = 565.05
VPC 14+50.00 EL. = 565.61
VPC 16+50.00 EL. = 575.95
VPT 16+80.00 EL. = 578.20
VPT 18+20.00 EL. = 584.83
610
600
590
580
570
560
550
540
530
520
510
500
538.27
545.84
554.08
551.16
559.23
557.13
564.08
562.95
567.33
568.58
572.50
570.19
579.63
575.92
584.36
584.23
586.41
586.49
588.38
588.38
590.15
592.01
593.84
595.64
597.44
599.30
601.11
10+00
15+00
20+00
25+00

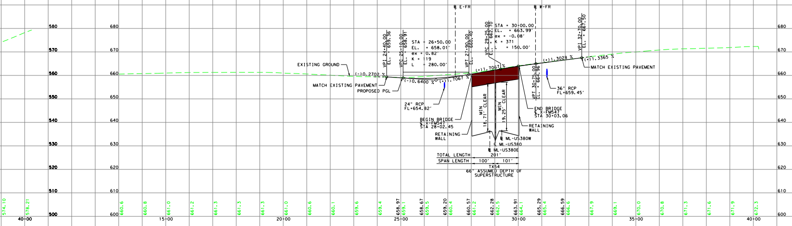
X-CR607N


STA = 11+20.00
EL. = 601.73'
ex = -0.25'
K = 100
L = 140.00'
W-FR
(+)0.9000 %
(-)0.5038 %
PROPOSED PGL
MATCH EXISTING PAVEMENT
EXISTING GROUND
MATCH W-FR
(-)1.0362 %
(-)0.3908 %
VPI 10+44.65 EL. = 601.05
VPC 10+50.00 EL. = 601.10
VPT 11+90.00 EL. = 601.38
VPI 12+00.00 EL. = 601.33
24" RCP FL=596.30'
610
600
590
580
570
560
601.4
601.43
601.3
601.33
601.3
601.0
600.4
10+00
15+00

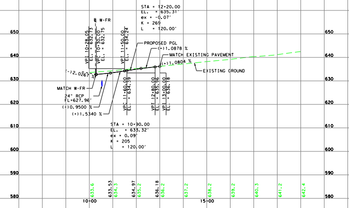
X-CR607S


STA = 11+90.00
EL. = 600.27'
ex = -0.11'
K = 53
L = 70.00'
E-FR
(-)2.1115 %
PROPOSED PGL
(-)0.8000 %
MATCH EXISTING PAVEMENT
(+)0.1163 %
EXISTING GROUND
MATCH E-FR
(+)2.2571 %
(+)0.5161 %
STA = 13+20.00
EL. = 597.53'
ex = 0.59'
K = 69
L = 180.00'
VPT 11+50.00 EL. = 600.59
VPC 11+55.00 EL. = 600.55
VPT 12+25.00 EL. = 599.53
VPC 12+30.00 EL. = 599.43
VPT 14+10.00 EL. = 598.01
VPI 14+13.11 EL. = 598.08
610
600
590
580
570
560
550
600.4
600.6
600.00
600.7
598.31
601.1
597.95
601.0
10+00
15+00

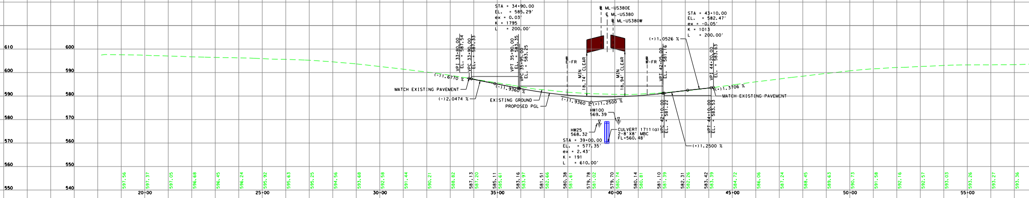
X-FM547


E-FR
W-FR
STA = 26+50.00
EL. = 658.01'
ex = 0.82'
K = 119
L = 280.00'
STA = 30+00.00
EL. = 663.99'
ex = -0.08'
K = 371
L = 150.00'
VPI 24+40.00 EL. = 659.36
VPC 25+10.00 EL. = 658.91
VPT 27+90.00 EL. = 660.40
VPC 29+25.00 EL. = 662.70
VPT 30+75.00 EL. = 664.96
VPI 32+70.00 EL. = 667.50
EXISTING GROUND
(-)0.2702 %
(-)0.6400 %
(+)1.7067 %
(+)1.3028 %
(+)1.3365 %
MATCH EXISTING PAVEMENT
PROPOSED PGL
24" RCP FL=654.82'
36" RCP FL=659.45'
BEGIN BRIDGE X-FM547 STA 28+02.45
END BRIDGE X-FM547 STA 30+03.06
RETAINING WALL
MIN 18.71' CLEAR
MIN 19.25' CLEAR
ML-US380W
ML-US380
ML-US380E
TOTAL LENGTH 201'
SPAN LENGTH 100' 101'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
580
570
560
550
540
530
520
510
500
680
670
660
650
640
630
620
610
600
574.10
578.21
660.6
660.8
661.0
661.2
661.3
661.3
661.3
661.0
660.6
660.1
659.6
659.4
658.97
659.1
658.67
659.5
659.20
660.4
660.57
661.2
662.28
662.5
663.91
664.1
665.29
665.4
666.59
666.6
667.9
669.1
670.0
670.8
671.3
671.6
671.9
672.3
40+00
15+00
20+00
25+00
30+00
35+00
40+00

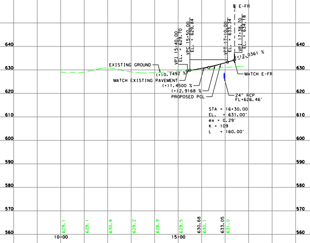
X-CR697N


STA = 12+20.00
EL. = 635.31'
ex = -0.07'
K = 269
L = 120.00'
W-FR
PROPOSED PGL
(+)1.0878 %
MATCH EXISTING PAVEMENT
(+)1.0804 %
EXISTING GROUND
(-)2.0267 %
MATCH W-FR
24" RCP FL=627.96'
(+)0.9500 %
(+)1.5340 %
STA = 10+90.00
EL. = 633.32'
ex = 0.09'
K = 205
L = 120.00'
VPI 10+28.05 EL. = 632.73
VPC 10+30.00 EL. = 632.75
VPT 11+50.00 EL. = 634.24
VPC 11+60.00 EL. = 634.39
VPT 12+80.00 EL. = 635.96
VPI 13+00.00 EL. = 636.18
650
640
630
620
610
600
590
580
635.6
633.53
634.3
634.97
635.2
636.18
636.2
637.2
638.2
639.2
640.3
641.2
642.4
10+00
15+00

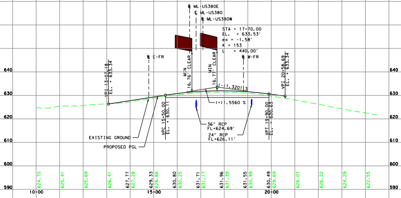
X-SH78


STA = 34+90.00
EL. = 585.29'
ex = 0.03'
K = 1795
L = 200.00'
℄ ML-US380E
℄ ML-US380
℄ ML-US380W
STA = 43+10.00
EL. = 582.47'
ex = -0.05'
K = 1013
L = 200.00'
(+)1.0526 %
VPI 33+80.00 EL. = 587.54
VPC 33+90.00 EL. = 587.33
VPT 35+90.00 EL. = 583.35
VPC 35+95.00 EL. = 583.25
℄ E-FR
MIN 18.74' CLEAR
MIN 18.94' CLEAR
℄ W-FR
VPT 42+05.00 EL. = 581.16
VPI 44+20.00 EL. = 583.63
(-)1.6770 %
(+)1.3706 %
MATCH EXISTING PAVEMENT
(-)1.9360 %
MATCH EXISTING PAVEMENT
(-)2.0474 %
EXISTING GROUND
PROPOSED PGL
(-)1.9360 %
(+)1.2500 %
HW100
569.39
HW25
568.32
CULVERT 1711(a)
2-8'X8' MBC
FL=560.48'
STA = 39+00.00
EL. = 577.35'
ex = 2.43'
K = 191
L = 610.00'
VPC 42+10.00 EL. = 581.22
VPT 44+10.00 EL. = 583.53
(+)1.2500 %
610
600
590
580
570
560
550
600
590
580
570
560
550
540
20+00
25+00
30+00
35+00
40+00
45+00
50+00
55+00

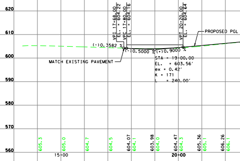
X-CR697S


℄ E-FR
VPI 15+40.00 EL. = 629.70
VPC 15+50.00 EL. = 629.84
VPT 17+10.00 EL. = 633.34
VPI 17+38.70 EL. = 634.18
(+)2.0361 %
EXISTING GROUND
(+)0.7492 %
MATCH E-FR
MATCH EXISTING PAVEMENT
(+)1.4500 %
(+)2.9168 %
PROPOSED PGL
24" RCP
FL=626.46'
STA = 16+30.00
EL. = 631.00'
ex = 0.29'
K = 109
L = 160.00'
640
630
620
610
600
590
580
570
560
10+00
15+00

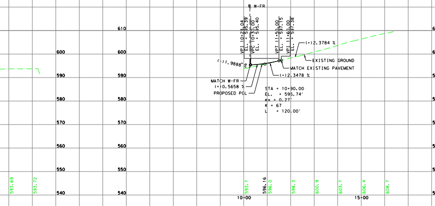
X-CR696


℄ ML-US380E
℄ ML-US380
℄ ML-US380W
STA = 17+70.00
EL. = 633.53'
ex = -1.58'
K = 153
L = 440.00'
℄ E-FR
MIN 16.76' CLEAR
MIN 16.77' CLEAR
℄ W-FR
VPI 13+07.18 EL. = 633.34
VPI 20+58.69 EL. = 633.34
(-)1.3201 %
(+)1.5560 %
36" RCP
FL=624.69'
24" RCP
FL=626.11'
EXISTING GROUND
PROPOSED PGL
VPC 15+50.00 EL. = 630.11
VPT 19+90.00 EL. = 630.63
640
630
620
610
600
590
10+00
15+00
20+00

X-AMP

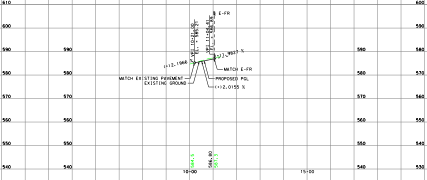

VPI 17+68.00 EL. = 604.22
VPC 17+80.00 EL. = 604.16
VPT 20+20.00 EL. = 604.64
PROPOSED PGL
(-)0.3582 %
(-)0.5000 %
(+)0.9000 %
MATCH EXISTING PAVEMENT
STA = 19+00.00
EL. = 603.56'
ex = 0.42'
K = 171
L = 240.00'
620
610
600
590
580
570
560
15+00
20+00

X-CR609N



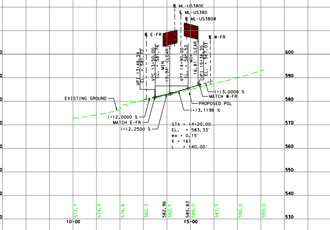
610
600
590
580
570
560
550
540
℄ W-FR
VPI 10+23.04
EL. = 595.39
VPC 10+30.00
EL. = 595.40
VPT 11+50.00
EL. = 597.15
VPI 11+60.00
EL. = 597.38
(+)2.3784 %
(-)1.9888 %
EXISTING GROUND
MATCH EXISTING PAVEMENT
(+)2.3478 %
MATCH W-FR
(+)0.5658 %
PROPOSED PGL
STA = 10+90.00
EL. = 595.74'
ex = 0.27'
K = 67
L = 120.00'
593.69
593.72
593.7
596.16
596.0
598.3
600.9
603.7
606.4
608.7
10+00
15+00

X-CR609S

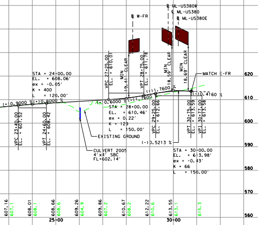


610
600
590
580
570
560
550
540
℄ E-FR
VPI 10+21.00
EL. = 585.21
VPI 11+04.41
EL. = 586.89
(+)2.1966 %
(+)1.9827 %
MATCH E-FR
MATCH EXISTING PAVEMENT
EXISTING GROUND
PROPOSED PGL
(+)2.0155 %
584.6
586.80
587.3
10+00
15+00

X-MAIN

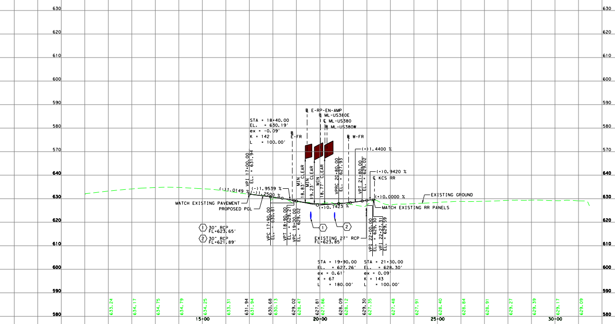


600
590
580
570
560
550
540
530
℄ ML-US380E
℄ ML-US380
℄ ML-US380W
℄ E-FR
℄ W-FR
VPI 13+48.34
EL. = 581.72
VPC 13+50.00
EL. = 581.76
MIN
19.94' CLEAR
VPT 14+90.00
EL. = 585.52
MIN
16.81' CLEAR
VPI 15+38.35
EL. = 587.03
(+)3.0008 %
MATCH W-FR
EXISTING GROUND
PROPOSED PGL
(+)3.1198 %
(+)2.0000 %
MATCH E-FR
(+)2.2500 %
STA = 14+20.00
EL. = 583.33'
ex = 0.15'
K = 161
L = 140.00'
572.7
574.3
576.6
580.3
582.96
582.5
585.83
585.0
587.5
590.0
593.0
10+00
15+00



℄ ML-US380W
℄ ML-US380
℄ ML-US380E
℄ W-FR
VPC 27+25.00
EL. = 610.01
MIN
19.41' CLEAR
VPT 28+75.00
EL. = 611.78
MIN
18.59' CLEAR
MIN
18.69' CLEAR
MATCH E-FR
STA = 24+00.00
EL. = 608.06'
ex = -0.05'
K = 400
L = 120.00'
(+)0.9000 %
(+)0.6000 %
(+)0.6000 %
(+)1.7600 %
(+)1.7600 %
(-)0.4160 %
STA = 28+00.00
EL. = 610.46'
ex = 0.22'
K = 129
L = 150.00'
VPC 23+40.00
EL. = 607.52
VPT 24+60.00
EL. = 608.42
VPC 29+25.00
EL. = 612.66
VPT 30+75.00
EL. = 613.59
VPI 30+77.00
EL. = 613.58
EXISTING GROUND
(-)0.5213 %
CULVERT 2005
4'x4' SBC
FL=602.14'
STA = 30+00.00
EL. = 613.98'
ex = -0.43'
K = 66
L = 150.00'
620
610
600
590
580
570
560
607.16
607.1
608.01
608.1
608.66
608.6
609.26
604.9
609.86
607.2
610.67
608.2
612.22
610.6
613.55
613.1
615.3
25+00
30+00

X-CR699



630
620
610
600
590
580
570
640
630
620
610
600
590
580
℄ E-RP-EN-AMP
℄ ML-US380E
℄ ML-US380
℄ ML-US380W
℄ E-FR
℄ W-FR
STA = 18+40.00
EL. = 630.19'
ex = -0.09'
K = 142
L = 100.00'
VPI 17+00.00
EL. = 631.94
MIN
18.83' CLEAR
MIN
19.23' CLEAR
MIN
18.77' CLEAR
VPRC 20+80.00
EL. = 627.93
VPT 21+80.00
EL. = 629.02
(+)1.4400 %
(+)0.9420 %
℄ KCS RR
(-)1.0149 %
(-)1.9539 %
(-)1.2500 %
(+)0.0000 %
EXISTING GROUND
MATCH EXISTING PAVEMENT
PROPOSED PGL
(+)0.7423 %
MATCH EXISTING RR PANELS
VPC 17+90.00
EL. = 630.81
VPT 18+90.00
EL. = 629.21
VPC 19+00.00
EL. = 629.02
1
2
1 30" RCP
FL=623.65'
2 30" RCP
FL=621.89'
EXISTING 27" RCP
FL=623.85'
VPI 22+00.00
EL. = 629.30
VPI 22+27.31
EL. = 629.59
STA = 19+90.00
EL. = 627.26'
ex = 0.61'
K = 67
L = 180.00'
STA = 21+30.00
EL. = 628.30'
ex = 0.09'
K = 143
L = 100.00'
633.24
634.17
634.75
634.79
634.25
633.31
631.94
631.94
630.68
630.13
629.02
628.47
627.81
627.86
628.09
628.12
629.30
627.35
627.48
627.91
628.40
628.84
628.91
629.27
629.39
629.17
629.09
15+00
20+00
25+00
30+00

TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
CEASON CLEMENS, P.E., DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380 FARMERSVILLE

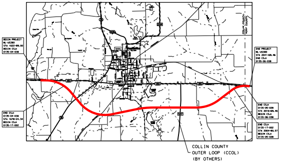
COLLIN COUNTY, TEXAS

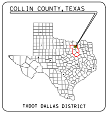
CSJ:	FROM	TO
0135-04-038:	CR 560	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)
0135-17-002:	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)
0135-05-028:	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)
0135-06-038:	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)	E OF CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)

APRIL 2023
ROLL 10 OF 10

LENGTH:	7.6 MILES (ULTIMATE) 7.9 MILES (ULTIMATE & INTERIM TRANSITION)
FUNCTIONAL CLASS:	INTERSTATE
DESIGN SPEEDS (MINIMUM)	
MAIN LANES:	70 MPH
RAMPS:	45 MPH
FRONTAGE ROAD:	40 MPH
CR 696 - MAJOR COLLECTOR:	60 MPH
HAMILTON/MAIN (FUTURE) MAJOR COLLECTOR:	50 MPH
SH 78 - PRINCIPAL ARTERIAL:	45 MPH
FM 547 - PRINCIPAL ARTERIAL:	40 MPH
CR 560/W-BUS380 - MAJOR ARTERIAL:	40 MPH
CRs 607N, 607S, 609N, 609S, 697N, 697S LOCAL:	40 MPH
AUDIE MURPHY (CR 567) AND AUDIE MURPHY PARKWAY (AMP) (EAST END) PRINCIPAL ARTERIAL:	30 MPH
CR 699/CR 698 - MAJOR ARTERIAL:	30 MPH
OLD JOSEPHINE (CR 648) MINOR COLLECTOR:	30 MPH
EB AUDIE MURPHY TO WB FRONTAGE LOCAL ACCESS - LOCAL:	25 MPH

HIGHWAY CLASSIFICATION
URBAN FREEWAY


BEGIN PROJECT
ML-US380
STA 1622+69.00
BEGIN CSJ:
0135-04-038
END CSJ:
0135-04-038
STA 1670+24.34
BEGIN CSJ:
0135-17-002
COLLIN COUNTY
HUNT COUNTY
END PROJECT
ML-US380
STA 2041+69.46
END CSJ:
0135-06-038
END CSJ:
0135-05-028
STA 2016+69.46
BEGIN CSJ:
0135-06-038
END CSJ:
0135-17-002
STA 2004+80.57
BEGIN CSJ:
0135-05-028
COLLIN COUNTY
OUTER LOOP (CCOL)
(BY OTHERS)


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

DATE: APRIL 21, 2023
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
NICOLE M. CARRILLO, P.E.
Nicole Carrillo
SERIAL NO. 101321

CHELSEA BOWEN
Chelsea Bowen
SERIAL NO. 113553

HNTB
HNTB Corporation
The HNTB Companies
Firm Registration Number F-420
Engineers Architects Planners

0 10 20 30 40
VERTICAL SCALE:

0 100 200 300 400
HORIZONTAL SCALE:

DATE SUBMITTED: ☐

DATE APPROVED: ☐

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