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)

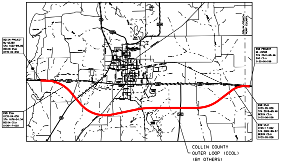
APRIL 2023

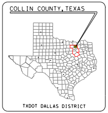
ROLL 5 OF 10

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.

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.

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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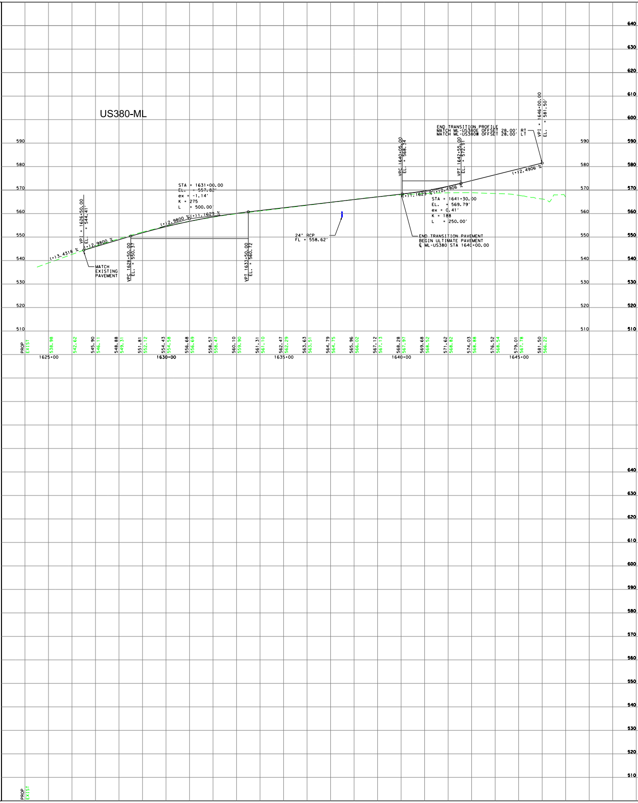
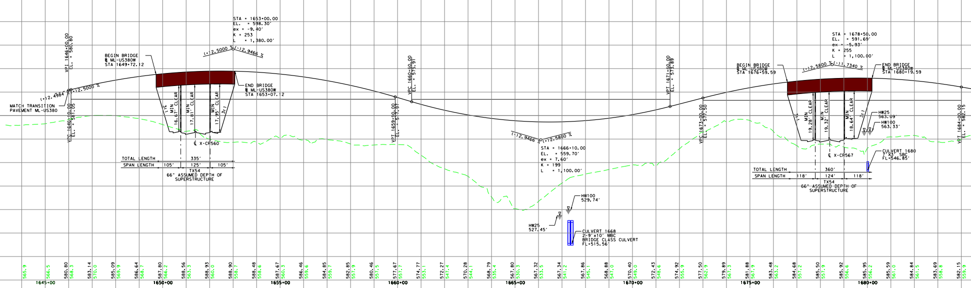
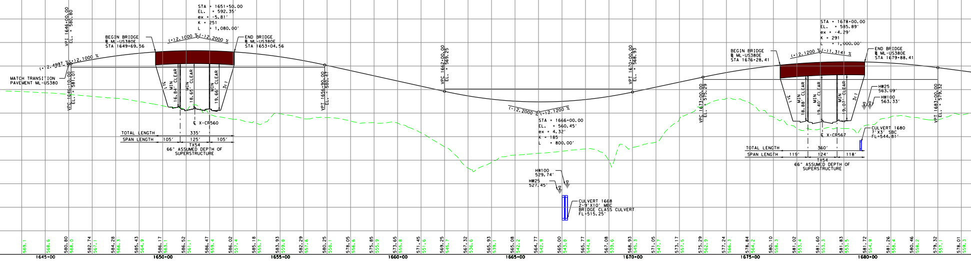
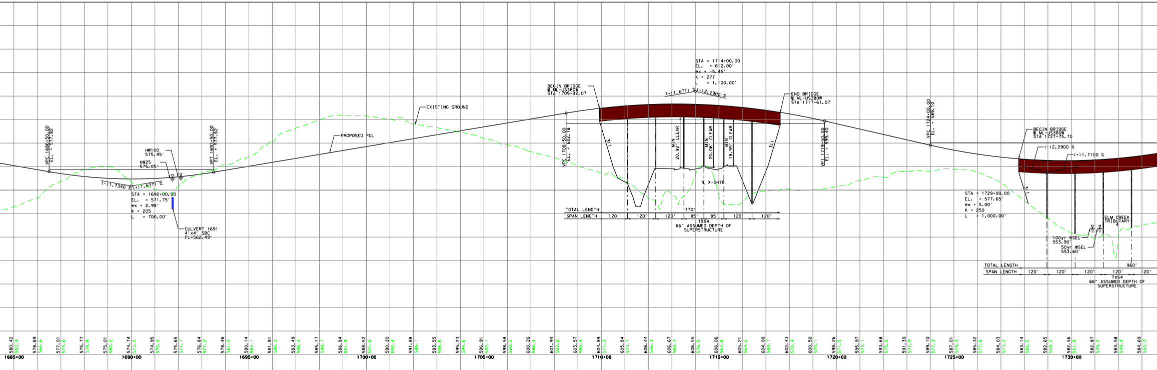

US380-ML
640
630
620
610
600
590
580
570
560
550
540
530
520
510
(+)3.4318 %
VPI = 1626+50.00
EL. = 544.41'
(+)2.9800 %
MATCH
EXISTING
PAVEMENT
VPC 1628+50.00
EL. = 550.37
STA = 1631+00.00
EL. = 557.82'
ex = -1.14'
K = 275
L = 500.00'
(+)2.9800 %
(+)1.1629 %
VPT 1633+50.00
EL. = 560.72
24" RCP
FL = 558.62'
VPC 1640+05.00
EL. = 568.34
VPT 1642+55.00
EL. = 572.91
(+)1.1629 %
(+)2.4906 %
STA = 1641+30.00
EL. = 569.79'
ex = 0.41'
K = 188
L = 250.00'
END TRANSITION PAVEMENT
BEGIN ULTIMATE PAVEMENT
℄ ML-US380 STA 1640+00.00
END TRANSITION PROFILE
MATCH ML-US380E OFFSET 28.00' RT
MATCH ML-US380W OFFSET 28.00' LT
VPI = 1646+00.00
EL. = 581.50'
(+)2.4906 %
PROP
EXIST
538.98
542.62
545.90
546.11
548.88
549.31
551.81
552.12
554.43
554.58
556.68
556.69
558.57
558.47
560.10
559.90
561.31
561.10
562.47
562.29
563.63
563.51
564.79
564.75
565.96
566.02
567.12
567.13
568.28
567.97
569.68
568.52
571.62
568.82
574.03
568.88
576.52
568.54
579.01
567.78
581.50
566.22
1625+00
1630+00
1635+00
1640+00
1645+00
PROP
EXIST

ML-US380W


VPI 1646+00.00
EL. = 580.80
(+)2.4984 %
(+)2.5000 %
MATCH TRANSITION
PAVEMENT ML-US380
VPC 1646+10.00
EL. = 581.05
BEGIN BRIDGE
℄ ML-US380W
STA 1649+72.12
STA = 1653+00.00
EL. = 598.30'
ex = -9.40'
K = 253
L = 1,380.00'
(+)2.5000 %
(-)2.9466 %
END BRIDGE
℄ ML-US380W
STA 1653+07.12
3:1
MIN 16.67' CLEAR
MIN 17.81' CLEAR
MIN 17.95' CLEAR
3:1
℄ X-CR560
TOTAL LENGTH 335'
SPAN LENGTH 105' 125' 105'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 1659+90.00
EL. = 577.97
VPC 1660+60.00
EL. = 575.91
(-)2.9466 %
(+)2.5800 %
STA = 1666+10.00
EL. = 559.70'
ex = 7.60'
K = 199
L = 1,100.00'
HW100
529.74'
HW25
527.45'
CULVERT 1668
2-9'x10' MBC
BRIDGE CLASS CULVERT
FL=515.56'
VPT 1671+60.00
EL. = 573.89
VPC 1673+00.00
EL. = 577.50
BEGIN BRIDGE
℄ ML-US380W
STA 1676+59.59
STA = 1678+50.00
EL. = 591.69'
ex = -5.93'
K = 255
L = 1,100.00'
(+)2.5800 %
(-)1.7340 %
END BRIDGE
℄ ML-US380W
STA 1680+19.59
3:1
MIN 19.28' CLEAR
MIN 19.32' CLEAR
MIN 18.64' CLEAR
3:1
HW25
563.09'
HW100
563.33'
℄ X-CR567
CULVERT 1680
7'X3' SBC
FL=546.85'
TOTAL LENGTH 360'
SPAN LENGTH 118' 124' 118'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 1684+00.00
EL. = 582.15
565.9
566.5
580.80 568.3
583.14 570.0
585.09 569.9
586.64 568.7
587.80 566.2
588.56 563.3
588.93 560.0
588.90 558.7
588.48 558.6
587.67 560.3
586.46 559.6
584.85 559.7
582.85 557.9
580.46 557.5
577.67 557.7
574.77 553.1
572.27 547.4
570.28 544.1
568.79 535.4
567.80 530.3
567.32 533.5
567.34 541.2
567.86 545.1
568.88 547.0
570.40 549.0
572.43 548.6
574.92 555.9
577.50 562.9
579.89 567.3
581.88 567.9
583.48 563.2
584.68 557.2
585.50 557.9
585.92 556.6
585.95 556.2
585.59 561.0
584.84 561.5
583.69 558.8
582.15 559.9
1645+00
1650+00
1655+00
1660+00
1665+00
1670+00
1675+00
1680+00

ML-US380E


VPI 1646+00.00
EL. = 580.80
(+)2.4997 %
(+)2.1000 %
MATCH TRANSITION
PAVEMENT ML-US380
VPC 1646+10.00
EL. = 581.01
BEGIN BRIDGE
℄ ML-US380E
STA 1649+69.56
STA = 1651+50.00
EL. = 592.35'
ex = -5.81'
K = 251
L = 1,080.00'
(+)2.1000 %
(-)2.2000 %
END BRIDGE
℄ ML-US380E
STA 1653+04.56
3:1
MIN 16.84' CLEAR
MIN 18.65' CLEAR
MIN 19.66' CLEAR
3:1
℄ X-CR560
TOTAL LENGTH 335'
SPAN LENGTH 105' 125' 105'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 1656+90.00
EL. = 580.47
VPC 1662+00.00
EL. = 569.25
(-)2.2000 %
(+)2.1200 %
STA = 1666+00.00
EL. = 560.45'
ex = 4.32'
K = 185
L = 800.00'
HW100
529.74'
HW25
527.45'
CULVERT 1668
2-9'X10' MBC
BRIDGE CLASS CULVERT
FL=515.25'
VPT 1670+00.00
EL. = 568.93
VPC 1673+00.00
EL. = 575.29
BEGIN BRIDGE
℄ ML-US380E
STA 1676+28.41
STA = 1678+00.00
EL. = 585.89'
ex = -4.29'
K = 291
L = 1,000.00'
(+)2.1200 %
(-)1.3141 %
END BRIDGE
℄ ML-US380E
STA 1679+88.41
3:1
MIN 18.88' CLEAR
MIN 19.40' CLEAR
MIN 19.07' CLEAR
3:1
HW25
563.09'
HW100
563.33'
℄ X-CR567
CULVERT 1680
7'X3' SBC
FL=544.81'
TOTAL LENGTH 360'
SPAN LENGTH 119' 124' 118'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 1683+00.00
EL. = 579.32
569.1
568.6
580.80 568.0
582.74 567.1
584.28 566.3
585.43 564.9
586.17 563.1
586.52 561.1
586.47 559.4
586.02 557.4
585.18 555.7
583.93 559.8
582.29 557.6
580.25 558.1
578.05 556.6
575.85 555.9
573.65 555.8
571.45 551.6
569.25 545.7
567.32 536.6
565.93 539.1
565.08 542.2
564.77 542.9
565.00 543.8
565.77 544.8
567.08 539.6
568.93 545.3
571.05 547.7
573.17 557.5
575.29 562.9
577.24 566.3
578.84 564.2
580.10 558.3
581.02 553.4
581.60 553.3
581.83 553.5
581.72 554.9
581.26 558.4
580.46 558.2
579.32 557.1
578.01 559.3
1645+00
1650+00
1655+00
1660+00
1665+00
1670+00
1675+00
1680+00


VPC 1686+50.00
EL. = 577.82
HW100
575.45'
HW25
575.05'
(-)1.7340 %
(+)1.6771 %
STA = 1690+00.00
EL. = 571.75'
ex = 2.98'
K = 205
L = 700.00'
CULVERT 1691
4'x4' SBC
FL=562.49'
VPT 1693+50.00
EL. = 577.62
PROPOSED PGL
EXISTING GROUND
VPC 1708+50.00
EL. = 602.78
BEGIN BRIDGE
℄ ML-US380W
STA 1709+92.07
STA = 1714+00.00
EL. = 612.00'
ex = -5.45'
K = 277
L = 1,100.00'
(+)1.6771 %
(-)2.2900 %
END BRIDGE
℄ ML-US380W
STA 1717+61.07
3:1
MIN
20.92' CLEAR
MIN
20.06' CLEAR
MIN
18.95' CLEAR
3:1
℄ X-SH78
VPT 1719+50.00
EL. = 599.40
TOTAL LENGTH
770'
SPAN LENGTH
120'
120'
120'
85'
85'
120'
120'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
VPC 1724+00.00
EL. = 589.10
BEGIN BRIDGE
℄ ML-US380W
STA 1727+75.70
(-)2.2900 %
(+)1.7100 %
3:1
STA = 1729+00.00
EL. = 577.65'
ex = 5.00'
K = 250
L = 1,000.00'
ELM CREEK
TRIBUTARY
4
100yr WSEL
553.90'
50yr WSEL
553.60'
TOTAL LENGTH
960'
SPAN LENGTH
120'
120'
120'
120'
120'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
580.42
562.9
578.69
566.6
577.01
573.6
575.77
578.8
575.01
580.2
574.74
573.5
574.95
570.4
575.65
571.7
576.84
577.2
578.46
581.0
580.14
584.1
581.81
590.3
583.49
596.4
585.17
599.7
586.84
601.8
588.52
601.6
590.20
600.4
591.88
598.1
593.55
596.6
595.23
594.6
596.91
592.1
598.58
589.2
600.26
586.4
601.94
583.8
603.57
580.4
604.89
577.3
605.84
574.7
606.44
566.3
606.67
568.3
606.55
576.5
606.06
567.6
605.21
564.6
604.00
569.7
602.43
570.4
600.50
570.1
598.26
571.5
595.97
574.1
593.68
575.5
591.39
577.9
589.10
577.9
587.01
579.0
585.32
577.6
584.03
573.2
583.14
565.5
582.65
558.2
582.56
551.8
582.87
549.2
583.58
549.4
584.69
555.0
1685+00
1690+00
1695+00
1700+00
1705+00
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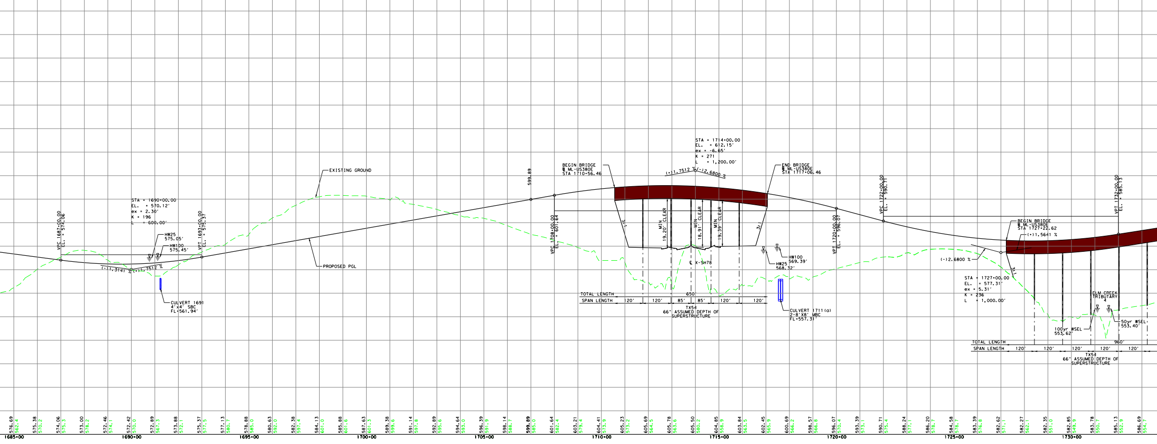
1715+00
1720+00
1725+00
1730+00


VPC 1687+00.00
EL. = 574.06
STA = 1690+00.00
EL. = 570.12'
ex = 2.30'
K = 196
L = 600.00'
HW25
575.05'
HW100
575.45'
(-)1.3141 %
(+)1.7512 %
CULVERT 1691
4'x4' SBC
FL=561.94'
VPT 1693+00.00
EL. = 575.37
EXISTING GROUND
PROPOSED PGL
599.89
VPC 1708+00.00
EL. = 601.64
BEGIN BRIDGE
℄ ML-US380E
STA 1710+56.46
STA = 1714+00.00
EL. = 612.15'
ex = -6.65'
K = 271
L = 1,200.00'
(+)1.7512 %
(-)2.6800 %
END BRIDGE
℄ ML-US380E
STA 1717+06.46
3:1
MIN
19.20' CLEAR
MIN
18.91' CLEAR
MIN
19.39' CLEAR
3:1
℄ X-SH78
HW100
569.39'
HW25
568.32'
TOTAL LENGTH
650'
SPAN LENGTH
120'
120'
85'
85'
120'
120'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
CULVERT 1711(a)
2-8'X8' MBC
FL=557.31'
VPT 1720+00.00
EL. = 596.07
VPC 1722+00.00
EL. = 590.71
(-)2.6800 %
BEGIN BRIDGE
℄ ML-US380E
STA 1727+22.62
(+)1.5641 %
3:1
STA = 1727+00.00
EL. = 577.31'
ex = 5.31'
K = 236
L = 1,000.00'
VPT 1732+00.00
EL. = 585.13
ELM CREEK
TRIBUTARY
4
100yr WSEL
553.62'
50yr WSEL
553.40'
TOTAL LENGTH
960'
SPAN LENGTH
120'
120'
120'
120'
120'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
576.69
562.4
575.38
570.2
574.06
575.3
573.00
578.2
572.46
574.1
572.42
570.0
572.89
567.3
573.88
572.1
575.37
577.5
577.13
580.7
578.88
585.0
580.63
592.0
582.38
597.4
584.13
601.0
585.88
601.6
587.63
601.3
589.38
599.6
591.14
597.8
592.89
595.6
594.64
593.0
596.39
591.9
598.14
588.7
599.89
585.0
601.64
582.4
603.21
579.4
604.41
573.9
605.23
573.2
605.69
564.5
605.78
563.6
605.50
580.2
604.85
558.9
603.84
563.5
602.45
565.9
600.69
566.2
598.57
566.8
596.07
570.4
593.39
573.1
590.71
575.4
588.24
577.1
586.20
578.7
584.58
578.7
583.39
576.8
582.62
571.1
582.27
562.1
582.35
551.0
582.85
549.9
583.78
550.7
585.13
552.9
586.69
554.7
1685+00
1690+00
1695+00
1700+00
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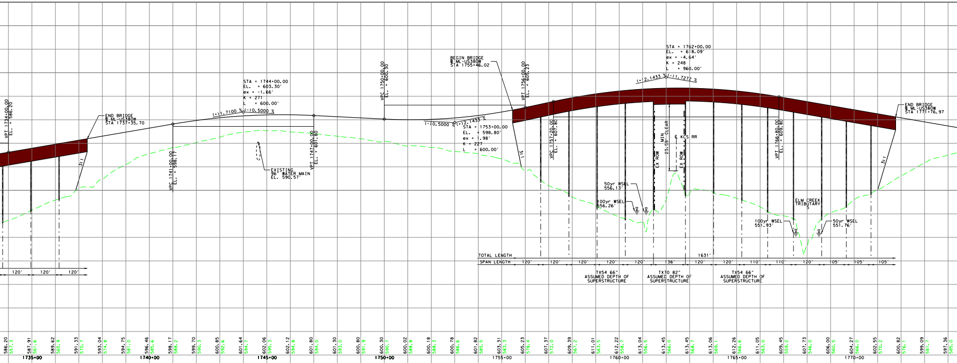
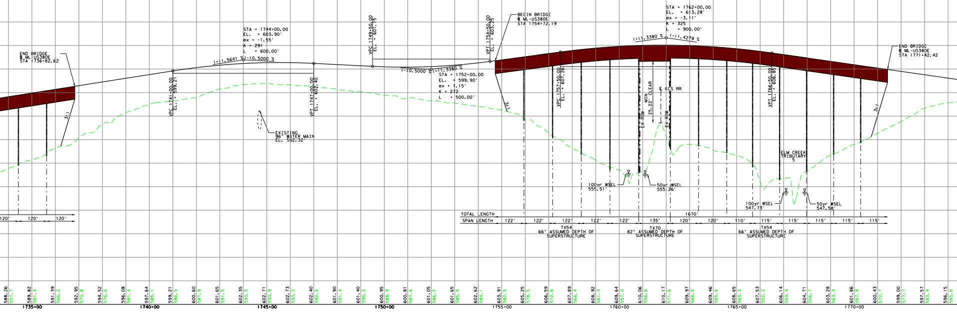
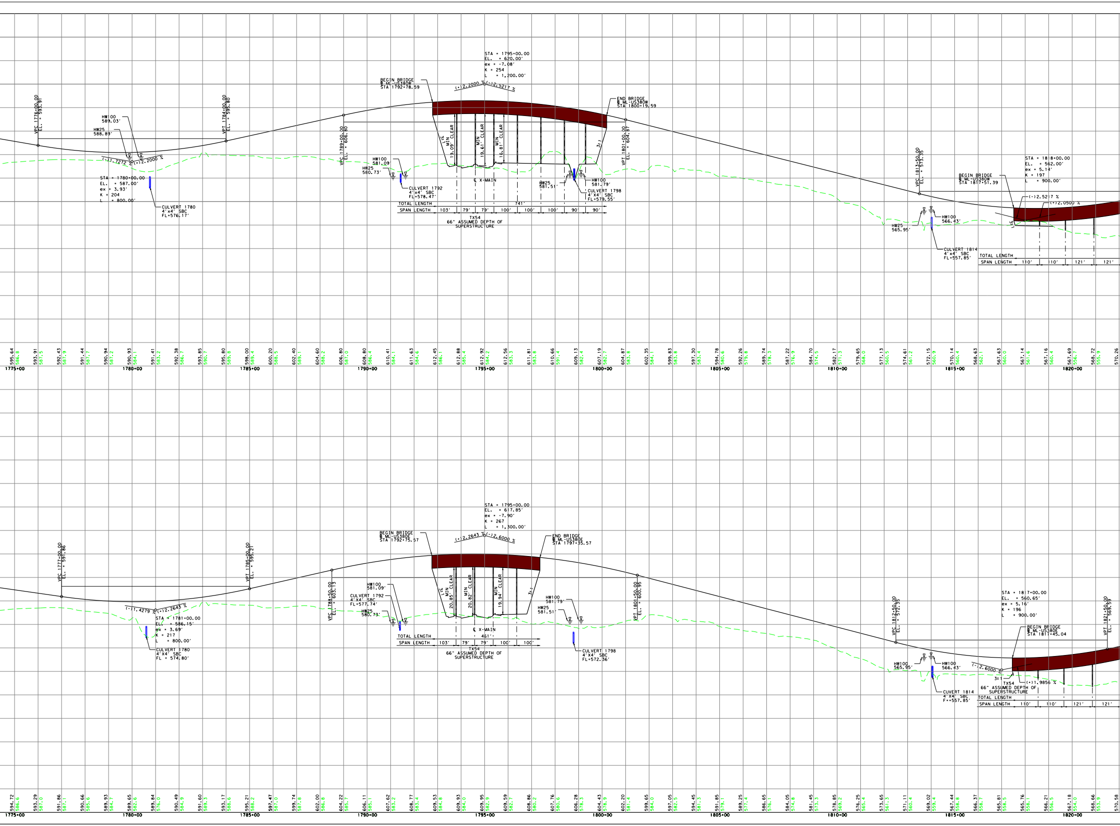
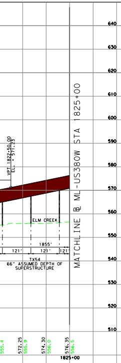
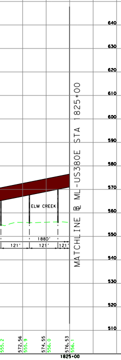
1715+00
1720+00
1725+00
1730+00


VPT 1734+00.00
EL. = 586.20
END BRIDGE
℄ ML-US380W
STA 1737+35.70
3:1
120'
120'
120'
VPC 1741+00.00
EL. = 598.17
STA = 1744+00.00
EL. = 603.30'
ex = -1.66'
K = 271
L = 600.00'
(+)1.7100 %
(-)0.5000 %
EXISTING
96" WATER MAIN
EL. 590.57'
VPT 1747+00.00
EL. = 601.80
VPC 1750+00.00
EL. = 600.30
(-)0.5000 %
(+)2.1433 %
STA = 1753+00.00
EL. = 598.80'
ex = 1.98'
K = 227
L = 600.00'
BEGIN BRIDGE
℄ ML-US380W
STA 1755+46.02
VPT 1756+00.00
EL. = 605.23
3:1
VPC 1757+20.00
EL. = 607.80
STA = 1762+00.00
EL. = 618.09'
ex = -4.64'
K = 248
L = 960.00'
(+)2.1433 %
(-)1.7272 %
MIN
23.59' CLEAR
EX ROW
℄ KCS RR
EX ROW
50yr WSEL
556.13'
100yr WSEL
556.26'
VPT 1766+80.00
EL. = 609.80
ELM CREEK
TRIBUTARY
5
100yr WSEL
551.93'
50yr WSEL
551.76'
3:1
END BRIDGE
℄ ML-US380W
STA 1771+76.97
TOTAL LENGTH
1631'
SPAN LENGTH
120'
120'
120'
120'
120'
136'
120'
120'
110'
110'
120'
105'
105'
105'
TX54 66"
ASSUMED DEPTH OF
SUPERSTRUCTURE
TX70 82"
ASSUMED DEPTH OF
SUPERSTRUCTURE
TX54 66"
ASSUMED DEPTH OF
SUPERSTRUCTURE
586.20 557.3
587.91 561.6
589.62 565.9
591.33 570.7
593.04 574.8
594.75 581.0
596.46 585.6
598.17 588.2
599.70 590.3
600.85 592.6
601.64 594.7
602.06 595.3
602.12 594.8
601.80 594.0
601.30 593.0
600.80 591.9
600.30 590.7
600.02 588.8
600.18 588.3
600.78 586.6
601.82 585.5
603.31 583.3
605.23 578.4
607.37 572.0
609.39 567.2
611.01 563.5
612.22 558.7
613.04 556.5
613.45 566.0
613.45 568.7
613.06 569.1
612.26 566.6
611.05 563.0
609.45 559.2
607.73 546.0
606.00 560.5
604.27 566.0
602.55 570.2
600.82 576.1
599.09 581.7
597.36 589.0
1735+00
1740+00
1745+00
1750+00
1755+00
1760+00
1765+00
1770+00


END BRIDGE
℄ ML-US380E
STA 1736+82.62
3:1
120'
120'
120'
VPC 1741+00.00
EL. = 599.21
STA = 1744+00.00
EL. = 603.90'
ex = -1.55'
K = 291
L = 600.00'
(+)1.5641 %
(-)0.5000 %
EXISTING
96" WATER MAIN
EL. 582.32'
VPT 1747+00.00
EL. = 602.40
VPC 1749+50.00
EL. = 601.15
(-)0.5000 %
(+)1.3380 %
STA = 1752+00.00
EL. = 599.90'
ex = 1.15'
K = 272
L = 500.00'
VPT 1754+50.00
EL. = 603.25
BEGIN BRIDGE
℄ ML-US380E
STA 1754+72.19
3:1
VPC 1757+50.00
EL. = 607.26
STA = 1762+00.00
EL. = 613.28'
ex = -3.11'
K = 325
L = 900.00'
(+)1.3380 %
(-)1.4279 %
MIN
25.22' CLEAR
EX ROW
℄ KCS RR
EX ROW
100yr WSEL
555.51'
50yr WSEL
555.26'
VPT 1766+50.00
EL. = 606.85
ELM CREEK
TRIBUTARY
5
100yr WSEL
547.73'
50yr WSEL
547.58'
3:1
END BRIDGE
℄ ML-US380E
STA 1771+42.42
TOTAL LENGTH
1670'
SPAN LENGTH
122'
122'
122'
122'
122'
135'
120'
120'
110'
115'
115'
115'
115'
115'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
TX70
82" ASSUMED DEPTH OF
SUPERSTRUCTURE
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
588.26 557.7
589.82 561.4
591.39 566.2
592.95 570.8
594.52 576.6
596.08 581.4
597.64 585.1
599.21 586.5
600.60 587.9
601.65 591.5
602.35 593.5
602.71 593.9
602.73 593.2
602.40 592.5
601.90 591.4
601.40 590.5
600.95 588.9
600.81 587.6
601.05 586.5
601.65 585.5
602.62 584.1
603.91 582.5
605.25 578.5
606.59 572.6
607.89 566.4
608.92 561.3
609.64 557.0
610.06 556.6
610.17 571.6
609.97 568.0
609.46 565.6
608.65 563.3
607.53 552.2
606.14 553.3
604.71 556.7
603.28 563.4
601.86 567.9
600.43 572.7
599.00 577.7
597.57 583.4
596.15 585.6
1735+00
1740+00
1745+00
1750+00
1755+00
1760+00
1765+00
1770+00


VPC 1776+00.00 EL. = 593.91
HW100 589.03'
HW25 588.89'
(-)1.7272 %
(+)2.2000 %
STA = 1780+00.00
EL. = 587.00'
ex = 3.93'
K = 204
L = 800.00'
CULVERT 1780
4'x4' SBC
FL=576.17'
VPT 1784+00.00 EL. = 595.80
VPC 1789+00.00 EL. = 606.80
HW100 581.09'
HW25 580.73'
CULVERT 1792
4'x4' SBC
FL=578.47'
BEGIN BRIDGE
℄ ML-US380W
STA 1792+78.59
STA = 1795+00.00
EL. = 620.00'
ex = -7.08'
K = 254
L = 1,200.00'
(+)2.2000 %
(-)2.5217 %
3:1
MIN 19.09' CLEAR
MIN 19.61' CLEAR
MIN 16.81' CLEAR
3:1
℄ X-MAIN
END BRIDGE
℄ ML-US380W
STA 1800+19.59
HW25 581.51'
HW100 581.79'
CULVERT 1798
4'X4' SBC
FL=579.55'
VPT 1801+00.00 EL. = 604.87
TOTAL LENGTH 741'
SPAN LENGTH 103' 79' 79' 100' 100' 100' 90' 90'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPC 1813+50.00 EL. = 573.35
HW25 565.95'
HW100 566.43'
CULVERT 1814
4'x4' SBC
FL=557.85'
BEGIN BRIDGE
℄ ML-US380W
STA 1817+51.39
STA = 1818+00.00
EL. = 562.00'
ex = 5.14'
K = 197
L = 900.00'
(-)2.5217 %
(+)2.0500 %
3:1
TOTAL LENGTH
SPAN LENGTH 110' 110' 121' 121'
595.64 586.8
593.91 587.5
592.43 587.9
591.44 587.7
590.94 587.2
590.93 584.1
591.41 583.2
592.38 586.7
593.85 590.7
595.80 589.8
598.00 589.4
600.20 588.5
602.40 589.1
604.60 588.2
606.80 587.0
608.80 586.4
610.41 584.1
611.63 584.6
612.45 586.1
612.88 585.4
612.92 584.2
612.56 583.3
611.81 583.8
610.66 591.4
609.13 582.4
607.19 582.7
604.87 583.8
602.35 584.1
599.83 583.8
597.30 583.4
594.78 580.6
592.26 579.8
589.74 578.3
587.22 576.9
584.70 574.5
582.17 571.3
579.65 568.0
577.13 560.5
574.61 561.2
572.15 560.9
570.14 560.4
568.63 562.1
567.63 560.0
567.14 561.6
567.16 560.4
567.69 556.7
568.72 555.9
570.26
1775+00
1780+00
1785+00
1790+00
1795+00
1800+00
1805+00
1810+00
1815+00
1820+00
VPC 1777+00.00 EL. = 591.86
(-)1.4279 %
(+)2.2643 %
STA = 1781+00.00
EL. = 586.15'
ex = 3.69'
K = 217
L = 800.00'
CULVERT 1780
4'X4' SBC
FL = 574.80'
VPT 1785+00.00 EL. = 595.21
VPC 1788+50.00 EL. = 603.13
HW100 581.09'
CULVERT 1792
4'X4' SBC
FL=577.74'
HW25 580.73'
BEGIN BRIDGE
℄ ML-US380E
STA 1792+75.57
STA = 1795+00.00
EL. = 617.85'
ex = -7.90'
K = 267
L = 1,300.00'
(+)2.2643 %
(-)2.6000 %
3:1
MIN 20.85' CLEAR
MIN 20.82' CLEAR
MIN 19.94' CLEAR
3:1
END BRIDGE
℄ ML-US380E
STA 1797+35.57
℄ X-MAIN
TOTAL LENGTH 461'
SPAN LENGTH 103' 79' 79' 100' 100'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
HW100 581.79'
HW25 581.51'
CULVERT 1798
4'X4' SBC
FL=572.36'
VPT 1801+50.00 EL. = 600.95
VPC 1812+50.00 EL. = 572.35
HW100 565.95'
HW100 566.43'
CUVERT 1814
4'X4' SBC
F=-557.85'
STA = 1817+00.00
EL. = 560.65'
ex = 5.16'
K = 196
L = 900.00'
BEGIN BRIDGE
℄ ML-US380E
STA 1817+45.04
VPT 1821+50.00 EL. = 569.59
(-)2.6000 %
3:1
TX54
(+)1.9856 %
66" ASSUMED DEPTH OF SUPERSTRUCTURE
TOTAL LENGTH
SPAN LENGTH 110' 110' 121' 121'
594.72 586.6
593.29 587.0
591.86 587.1
590.66 585.6
589.93 584.7
589.65 582.6
589.84 576.0
590.49 584.9
591.60 589.3
593.17 588.6
595.21 588.2
597.47 587.0
599.74 587.8
602.00 586.8
604.22 585.7
606.11 585.1
607.62 583.2
608.77 583.4
609.53 584.8
609.93 584.0
609.95 582.9
609.59 582.7
608.86 580.2
607.76 580.6
606.28 578.3
604.43 578.9
602.20 581.4
599.65 584.0
597.05 582.5
594.45 581.3
591.85 579.1
589.25 577.4
586.65 576.1
584.05 574.8
581.45 573.3
578.85 569.2
576.25 565.4
573.65 561.3
571.11 560.4
569.02 559.4
567.44 558.8
566.37 558.7
565.81 558.5
565.76 558.1
566.21 556.5
567.18 554.0
568.66 553.9
570.58
1775+00
1780+00
1785+00
1790+00
1795+00
1800+00
1805+00
1810+00
1815+00
1820+00


640
630
620
610
600
590
580
570
560
550
540
530
520
510
VPT 1822+50.00
EL. = 571.23
ELM CREEK
1855'
121'
121'
121'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
MATCHLINE ℄ ML-US380W STA 1825+00
555.4
572.25
555.9
574.30
556.0
576.35
556.5
1825+00


640
630
620
610
600
590
580
570
560
550
540
530
520
510
ELM CREEK
1880'
121'
121'
121'
MATCHLINE ℄ ML-US380E STA 1825+00
555.2
572.56
555.9
574.55
556.0
576.53
556.1
1825+00

TEXAS DEPARTMENT OF TRANSPORTATION®

DALLAS DISTRICT
CEASON CLEMENS, P.E., DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380 FARMERSVILLE

COLLIN COUNTY, TEXAS

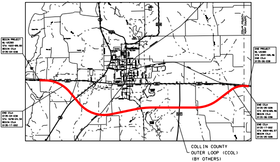
CSJ:	FROM	TO
0135-04-038:	CR 560	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)
0135-17-002:	JCT US 380/AUDIE MURPHY (WEST OF FARMERSVILLE)	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)
0135-05-028:	WEST OF CR 698 (COLLIN/HUNT COUNTY LINE)	CR 698/CR 699 (COLLIN/HUNT COUNTY LINE)
0135-06-038:	CR 698/CR 699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

APRIL 2023

ROLL 5 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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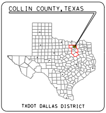
ML-US380
STA 1622+89.00
BEGIN CSJ:
0135-04-038
END CSJ:
0135-04-038
STA 1670+24.34
BEGIN CSJ:
0135-17-002
END PROJECT
ML-US380
STA 2041+69.46
END CSJ:
0135-06-038
END CSJ:
0135-05-028
STA 2016+69.46
BEGIN CSJ:
0135-06-038
END CSJ:
0135-17-002
STA 2004+80.57
BEGIN CSJ:
0135-05-028
COLLIN COUNTY
HUNT COUNTY
547
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.
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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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)

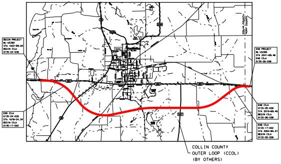
APRIL 2023

ROLL 6 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



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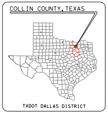
ML-US380
STA 1622+69.00
BEGIN CSJ:
0135-04-038
END CSJ:
0135-04-038
STA 1670+24.34
BEGIN CSJ:
0135-17-002
END PROJECT
ML-US380
STA 2041+69.46
END CSJ:
0135-06-038
END CSJ:
0135-05-028
STA 2016+69.46
BEGIN CSJ:
0135-06-038
END CSJ:
0135-17-002
STA 2004+80.57
BEGIN CSJ:
0135-05-028
COLLIN COUNTY
HUNT COUNTY
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 Corporation
The HNTB Companies
Firm Registration Number F-420
Engineers Architects Planners

DATE SUBMITTED:

DATE APPROVED:

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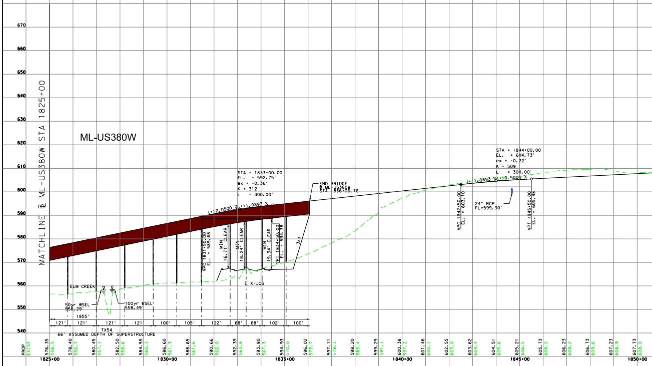
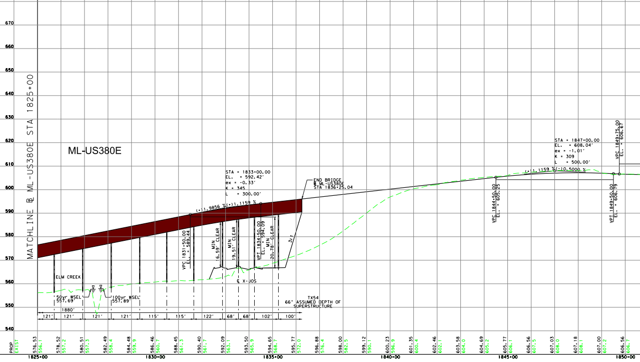
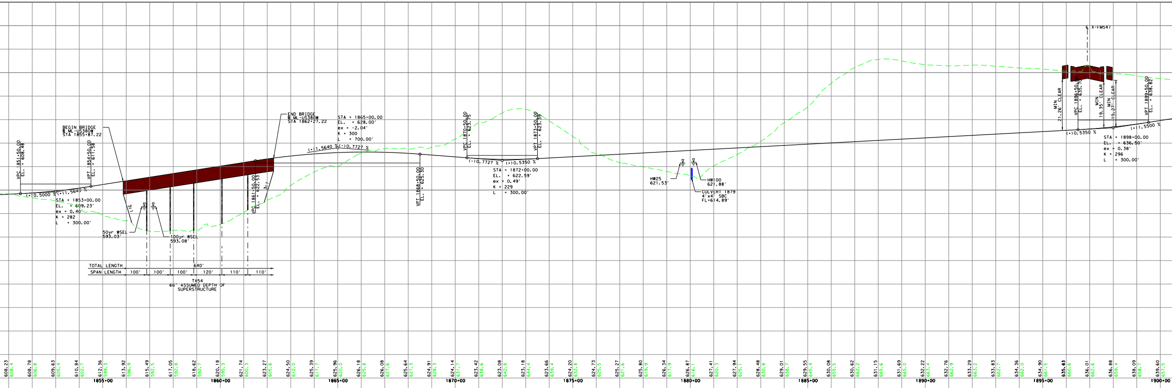
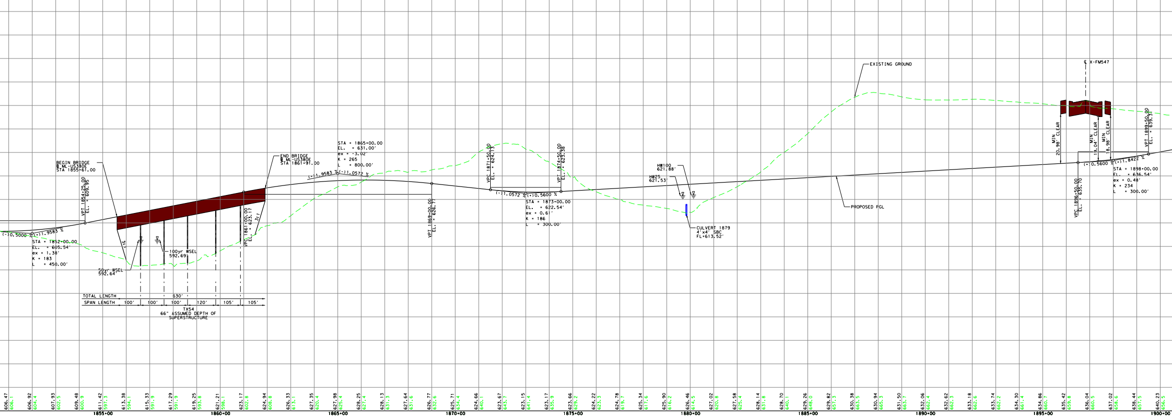


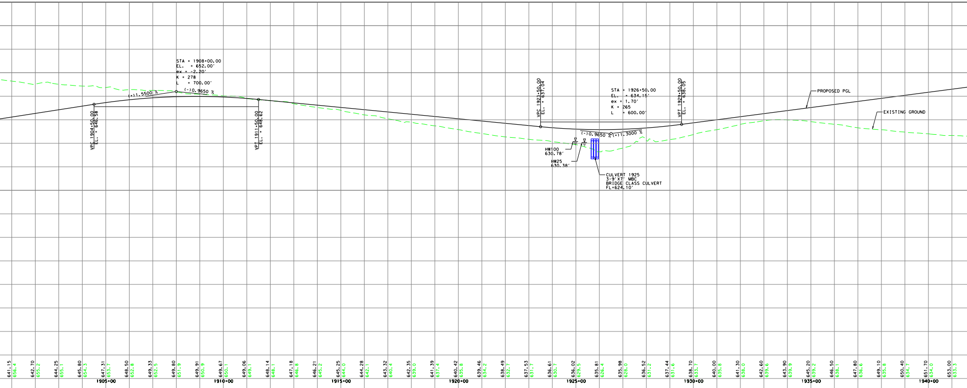
ML-US380W
MATCHLINE ℄ ML-US380W STA 1825+00
670
660
650
640
630
620
610
600
590
580
570
560
550
540
STA = 1833+00.00
EL. = 592.75'
ex = -0.36'
K = 312
L = 300.00'
(+)2.0500 %
(+)1.0893 %
END BRIDGE
℄ ML-US380W
STA 1836+06.76
VPC 1831+50.00
EL. = 589.68
MIN 16.71' CLEAR
MIN 18.24' CLEAR
MIN 19.34' CLEAR
VPT 1834+50.00
EL. = 594.38
3:1
ELM CREEK
℄ X-JOS
50yr WSEL
558.29'
100yr WSEL
558.49'
1855'
121'
121'
121'
121'
100'
105'
122'
68'
68'
102'
100'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
STA = 1844+00.00
EL. = 604.73'
ex = -0.22'
K = 509
L = 300.00'
(+)1.0893 %
(+)0.5000 %
VPC 1842+50.00
EL. = 603.10
24" RCP
FL=599.30'
VPT 1845+50.00
EL. = 605.48
PROP
EXIST
576.35 556.5
578.40 556.7
580.45 557.7
582.50 558.6
584.55 560.3
586.60 561.3
588.65 561.6
590.66 562.0
592.39 563.8
593.80 567.3
594.93 570.0
596.02 573.7
597.11 578.3
598.20 583.4
599.29 591.7
600.38 597.2
601.46 600.7
602.55 603.0
603.62 604.4
604.51 605.6
605.21 606.5
605.73 608.2
606.23 609.2
606.73 609.6
607.23 608.9
607.73 608.0
1825+00
1830+00
1835+00
1840+00
1845+00
1850+00

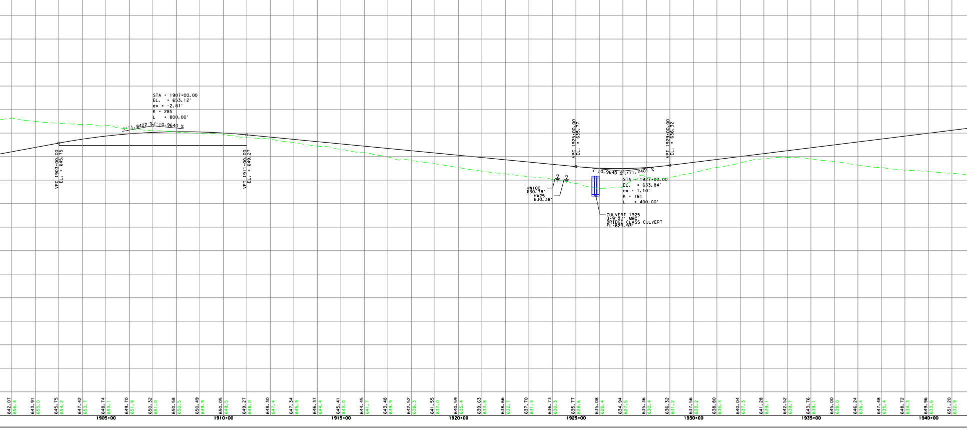


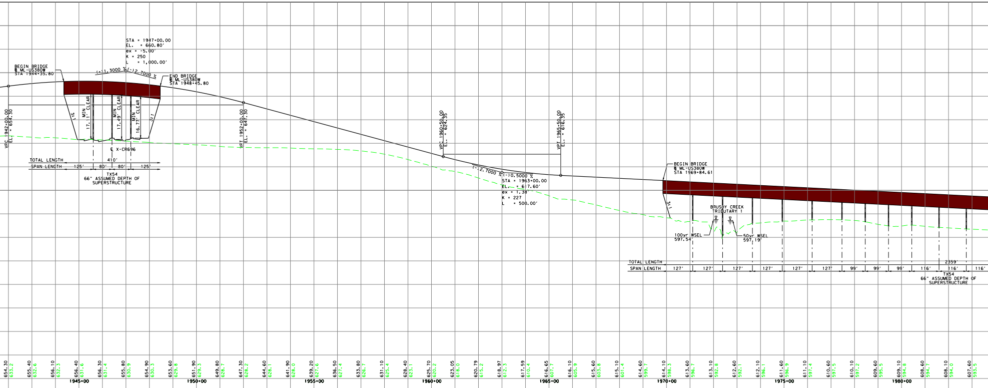
ML-US380E
MATCHLINE ℄ ML-US380E STA 1825+00
670
660
650
640
630
620
610
600
590
580
570
560
550
540
STA = 1833+00.00
EL. = 592.42'
ex = -0.33'
K = 345
L = 300.00'
(+)1.9856 %
(+)1.1159 %
END BRIDGE
℄ ML-US380E
STA 1836+25.04
VPC 1831+50.00
EL. = 589.44
MIN 16.59' CLEAR
MIN 19.51' CLEAR
VPT 1834+50.00
EL. = 594.09
MIN 20.78' CLEAR
3:1
ELM CREEK
℄ X-JOS
50yr WSEL
557.69'
100yr WSEL
557.89'
1880'
121'
121'
121'
121'
115'
115'
122'
68'
68'
102'
100'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
STA = 1847+00.00
EL. = 608.04'
ex = -1.01'
K = 309
L = 500.00'
(+)1.1159 %
(-)0.5000 %
VPC 1844+50.00
EL. = 605.25
VPT 1849+50.00
EL. = 606.79
VPC 1849+75.00
EL. = 606.67
PROP
EXIST
576.53 556.1
578.52 557.2
580.51 557.3
582.49 558.4
584.48 559.9
586.46 560.7
588.45 561.3
590.40 561.7
592.09 563.1
593.50 565.9
594.65 568.7
595.77 572.0
596.88 576.4
598.00 582.5
599.12 590.1
600.23 596.9
601.35 600.4
602.46 602.1
603.58 604.0
604.69 605.2
605.77 606.1
606.56 607.5
607.03 608.0
607.18 608.1
607.00 607.2
606.56 606.7
1825+00
1830+00
1835+00
1840+00
1845+00
1850+00

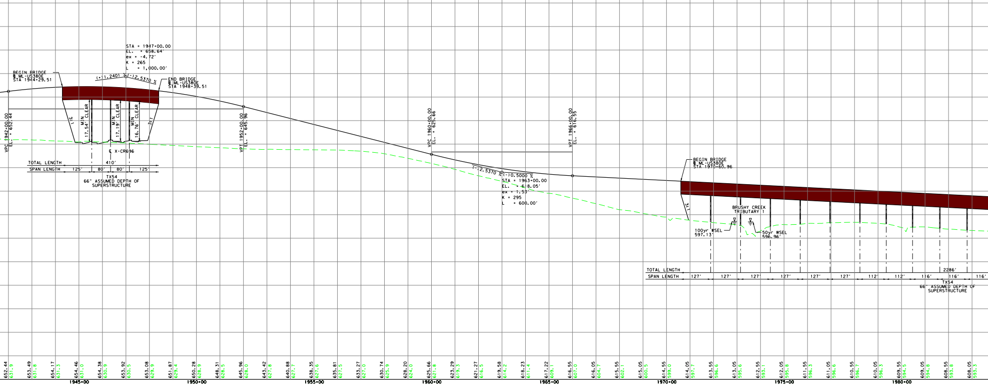

BEGIN BRIDGE
℄ ML-US380W
STA 1855+87.22
END BRIDGE
℄ ML-US380W
STA 1862+27.22
VPC 1851+50.00
EL. = 608.48
VPT 1854+50.00
EL. = 611.58
(+)0.5000 %
(+)1.5640 %
STA = 1853+00.00
EL. = 609.23'
ex = 0.40'
K = 282
L = 300.00'
3:1
50yr WSEL
593.03'
100yr WSEL
593.08'
VPC 1861+50.00
EL. = 622.53
3:1
TOTAL LENGTH
640'
SPAN LENGTH
100'
100'
100'
120'
110'
110'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
STA = 1865+00.00
EL. = 628.00'
ex = -2.04'
K = 300
L = 700.00'
(+)1.5640 %
(-)0.7727 %
VPT 1868+50.00
EL. = 625.30
VPC 1870+50.00
EL. = 623.75
VPT 1873+50.00
EL. = 623.39
(-)0.7727 %
(+)0.5350 %
STA = 1872+00.00
EL. = 622.59'
ex = 0.49'
K = 229
L = 300.00'
HW25
621.53'
HW100
621.88'
CULVERT 1879
4'x4' SBC
FL=614.89'
℄ X-FM547
MIN
21.26' CLEAR
VPC 1896+50.00
EL. = 635.70
MIN
19.35' CLEAR
MIN
19.27' CLEAR
VPT 1899+50.00
EL. = 638.82
(+)0.5350 %
(+)1.5500 %
STA = 1898+00.00
EL. = 636.50'
ex = 0.38'
K = 296
L = 300.00'
608.23 608.4
608.78 606.8
609.63 605.4
610.84 602.7
612.36 599.3
1855+00
613.92 596.9
615.49 592.5
617.05 592.8
618.62 592.7
620.18 595.3
1860+00
621.74 600.3
623.27 605.6
624.50 612.0
625.39 617.7
625.96 620.0
1865+00
626.18 625.8
626.08 627.6
625.64 627.3
624.91 628.3
624.14 631.7
1870+00
623.42 638.6
623.08 642.8
623.18 644.4
623.66 639.4
624.20 632.8
1875+00
624.73 625.5
625.27 621.6
625.80 619.9
626.34 617.9
626.87 616.1
1880+00
627.41 620.3
627.94 625.1
628.48 630.8
629.01 638.7
629.55 645.4
1885+00
630.08 655.5
630.62 662.2
631.15 665.6
631.69 665.0
632.22 663.4
1890+00
632.76 662.9
633.29 663.2
633.83 662.7
634.36 662.0
634.90 661.5
1895+00
635.43 660.6
636.01 662.6
636.88 659.4
638.09 658.7
639.60 657.5
1900+00

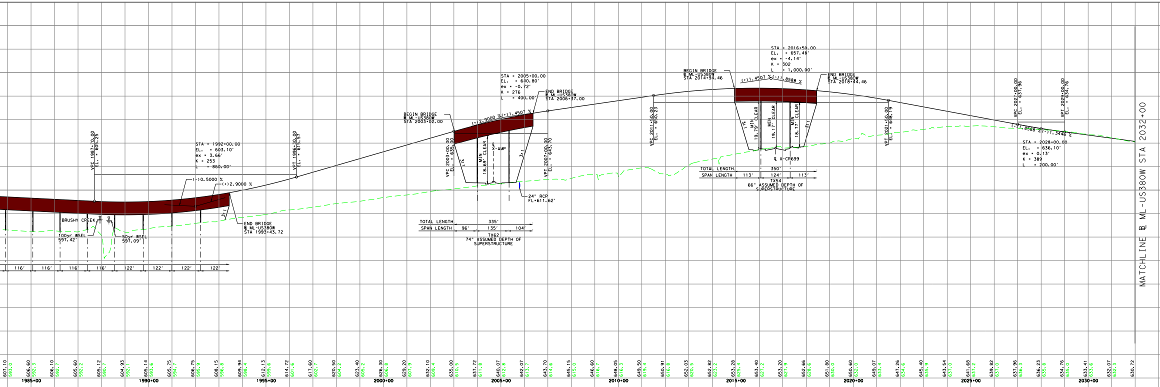

BEGIN BRIDGE
℄ ML-US380E
STA 1855+61.00
END BRIDGE
℄ ML-US380E
STA 1861+91.00
VPT 1854+25.00
EL. = 609.95
(-)0.5000 %
(+)1.9583 %
STA = 1852+00.00
EL. = 605.54'
ex = 1.38'
K = 183
L = 450.00'
3:1
50yr WSEL
592.64'
100yr WSEL
592.69'
VPC 1861+00.00
EL. = 623.17
3:1
TOTAL LENGTH
630'
SPAN LENGTH
100'
100'
100'
120'
105'
105'
TX54
66" ASSUMED DEPTH OF
SUPERSTRUCTURE
STA = 1865+00.00
EL. = 631.00'
ex = -3.02'
K = 265
L = 800.00'
(+)1.9583 %
(-)1.0572 %
VPT 1869+00.00
EL. = 626.77
VPC 1871+50.00
EL. = 624.13
VPT 1874+50.00
EL. = 623.38
(-)1.0572 %
(+)0.5600 %
STA = 1873+00.00
EL. = 622.54'
ex = 0.61'
K = 186
L = 300.00'
HW100
621.88'
HW25
621.53'
CULVERT 1879
4'x4' SBC
FL=613.52'
EXISTING GROUND
PROPOSED PGL
℄ X-FM547
MIN
20.98' CLEAR
MIN
19.04' CLEAR
MIN
18.98' CLEAR
VPC 1896+50.00
EL. = 635.70
VPT 1899+50.00
EL. = 639.31
(+)0.5600 %
(+)1.8422 %
STA = 1898+00.00
EL. = 636.54'
ex = 0.48'
K = 234
L = 300.00'
606.47 606.1
606.92 604.4
607.93 602.5
609.48 600.9
611.42 597.3
1855+00
613.38 594.1
615.33 591.9
617.29 591.9
619.25 593.8
621.21 598.1
1860+00
623.17 602.8
624.94 608.8
626.33 613.1
627.35 620.4
627.98 625.4
1865+00
628.25 627.4
628.13 631.3
627.64 631.6
626.77 632.6
625.71 634.4
1870+00
624.66 640.1
623.67 643.7
623.15 641.4
623.17 635.9
623.66 629.2
1875+00
624.22 623.3
624.78 619.7
625.34 617.6
625.90 616.2
626.46 614.5
1880+00
627.02 620.8
627.58 625.4
628.14 631.8
628.70 640.1
629.26 648.0
1885+00
629.82 657.3
630.38 663.5
630.94 665.3
631.50 663.7
632.06 662.4
1890+00
632.62 662.3
633.18 662.6
633.74 662.2
634.30 661.4
634.86 660.7
1895+00
635.42 659.8
636.04 660.5
637.02 658.6
638.44 657.5
640.23 656.5
1900+00

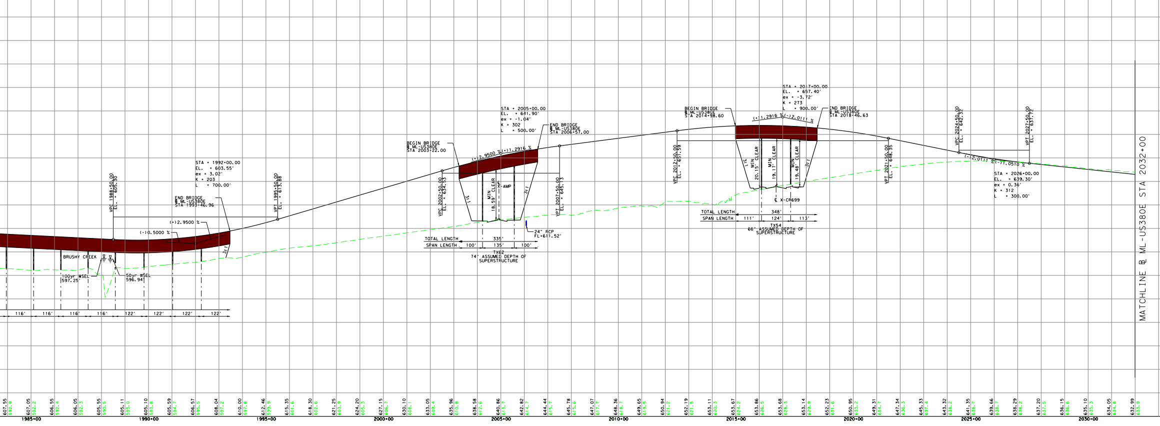

STA = 1908+00.00
EL. = 652.00'
ex = -2.20'
K = 278
L = 700.00'
(+)1.5500 %
(-)0.9650 %
VPC 1904+50.00
EL. = 646.58
VPT 1911+50.00
EL. = 648.62
VPC 1923+50.00
EL. = 637.04
STA = 1926+50.00
EL. = 634.15'
ex = 1.70'
K = 265
L = 600.00'
VPT 1929+50.00
EL. = 638.05
(-)0.9650 %
(+)1.3000 %
PROPOSED PGL
EXISTING GROUND
HW100
630.78'
HW25
630.38'
CULVERT 1925
3-9'X7' MBC
BRIDGE CLASS CULVERT
FL=624.10'
641.15 656.4
642.70 655.2
644.25 655.1
645.80 654.3
647.31 653.7
648.50 652.8
649.33 652.5
649.80 651.9
649.91 650.9
649.67 650.1
649.06 649.1
648.14 648.1
647.18 646.8
646.21 645.2
645.25 644.0
644.28 642.1
643.32 640.4
642.35 639.0
641.39 637.4
640.42 635.8
639.46 634.2
638.49 632.7
637.53 631.7
636.61 630.7
636.02 629.5
635.81 626.4
635.98 628.0
636.52 631.2
637.44 631.6
638.70 633.7
640.00 635.8
641.30 638.0
642.60 639.6
643.90 639.9
645.20 639.2
646.50 638.1
647.80 636.6
649.10 635.8
650.40 634.7
651.70 634.0
653.00 633.3
1905+00
1910+00
1915+00
1920+00
1925+00
1930+00
1935+00
1940+00


STA = 1907+00.00
EL. = 653.12'
ex = -2.81'
K = 285
L = 800.00'
(+)1.8422 %
(-)0.9640 %
VPC 1903+00.00
EL. = 645.75
VPT 1911+00.00
EL. = 649.27
VPC 1925+00.00
EL. = 635.77
VPT 1929+00.00
EL. = 636.32
(-)0.9640 %
(+)1.2401 %
STA = 1927+00.00
EL. = 633.84'
ex = 1.10'
K = 181
L = 400.00'
HW100
630.78'
HW25
630.38'
CULVERT 1925
3-9'X7' MBC
BRIDGE CLASS CULVERT
FL=623.93'
642.07 656.4
643.91 655.0
645.75 654.2
647.42 653.7
648.74 653.1
649.70 651.9
650.32 651.0
650.58 650.5
650.49 649.9
650.05 649.5
649.27 648.0
648.30 647.4
647.34 645.9
646.37 644.4
645.41 643.0
644.45 641.7
643.48 639.9
642.52 638.3
641.55 637.0
640.59 635.4
639.63 633.8
638.66 632.7
637.70 631.4
636.73 630.3
635.77 628.6
635.08 626.4
634.94 627.5
635.36 630.4
636.32 631.2
637.56 633.2
638.80 635.4
640.04 637.3
641.28 639.1
642.52 639.7
643.76 639.1
645.00 638.0
646.24 636.4
647.48 635.4
648.72 634.3
649.96 633.6
651.20 632.9
1905+00
1910+00
1915+00
1920+00
1925+00
1930+00
1935+00
1940+00


STA = 1947+00.00
EL. = 660.80'
ex = -5.00'
K = 250
L = 1,000.00'
(+)1.3000 %
(-)2.7000 %
BEGIN BRIDGE
℄ ML-US380W
STA 1944+35.80
END BRIDGE
℄ ML-US380W
STA 1948+45.80
VPC 1942+00.00
EL. = 654.30
MIN 17.1' CLEAR
MIN 17.49' CLEAR
MIN 16.77' CLEAR
3:1
℄ X-CR696
TOTAL LENGTH
410'
SPAN LENGTH
125'
80'
80'
125'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 1952+00.00
EL. = 647.30
VPC 1960+50.00
EL. = 624.35
VPT 1965+50.00
EL. = 616.35
(-)2.7000 %
(-)0.5000 %
STA = 1963+00.00
EL. = 617.60'
ex = 1.38'
K = 227
L = 500.00'
BEGIN BRIDGE
℄ ML-US380W
STA 1969+84.61
BRUSHY CREEK TRIBUTARY 1
100yr WSEL
597.54'
50yr WSEL
597.19'
TOTAL LENGTH
2359'
SPAN LENGTH
127'
127'
127'
127'
127'
127'
99'
99'
99'
116'
116'
116'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
654.30 633.2
655.40 632.6
656.10 632.3
656.40 631.6
656.30 631.4
655.80 630.9
654.90 630.3
653.60 629.8
651.90 629.3
649.80 628.7
647.30 628.2
644.60 628.1
641.90 628.0
639.20 627.6
636.50 627.4
633.80 626.7
631.10 625.4
628.40 623.1
625.70 620.2
623.05 618.0
620.79 615.2
618.97 612.3
617.59 610.4
616.65 607.1
616.10 605.9
615.60 603.8
615.10 601.4
614.60 599.7
614.10 598.3
613.60 596.7
613.10 592.8
612.60 592.1
612.10 596.1
611.60 596.9
611.10 597.4
610.60 597.5
610.10 597.2
609.60 595.6
609.10 594.8
608.60 594.7
608.10 594.0
607.60 593.5
1945+00
1950+00
1955+00
1960+00
1965+00
1970+00
1975+00
1980+00


STA = 1947+00.00
EL. = 658.64'
ex = -4.72'
K = 265
L = 1,000.00'
(+)1.2401 %
(-)2.5370 %
BEGIN BRIDGE
℄ ML-US380E
STA 1944+29.51
END BRIDGE
℄ ML-US380E
STA 1948+39.51
VPC 1942+00.00
EL. = 652.44
MIN 17.54' CLEAR
MIN 17.19' CLEAR
MIN 16.76' CLEAR
3:1
℄ X-CR696
TOTAL LENGTH
410'
SPAN LENGTH
125'
80'
80'
125'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 1952+00.00
EL. = 645.96
VPC 1960+00.00
EL. = 625.66
VPT 1966+00.00
EL. = 616.55
(-)2.5370 %
(-)0.5000 %
STA = 1963+00.00
EL. = 618.05'
ex = 1.53'
K = 295
L = 600.00'
BEGIN BRIDGE
℄ ML-US380E
STA 1970+60.96
BRUSHY CREEK TRIBUTARY 1
100yr WSEL
597.13'
50yr WSEL
596.96'
TOTAL LENGTH
2286'
SPAN LENGTH
127'
127'
127'
127'
127'
127'
112'
112'
116'
116'
116'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
652.44 631.9
653.49 631.6
654.17 631.3
654.46 631.0
654.38 630.8
653.92 630.5
653.08 629.9
651.87 629.4
650.28 628.9
648.31 628.5
645.96 628.0
643.42 627.8
640.88 627.7
638.35 627.6
635.81 627.5
633.27 627.0
630.74 625.9
628.20 624.0
625.66 621.8
623.29 619.3
621.27 616.5
619.58 614.2
618.23 611.4
617.22 609.1
616.55 607.0
616.05 604.7
615.55 602.1
615.05 600.5
614.55 599.0
614.05 597.7
613.55 596.6
613.05 595.6
612.55 595.1
612.05 595.8
611.55 596.3
611.05 596.6
610.55 596.7
610.05 596.3
609.55 594.5
609.05 594.8
608.55 593.8
608.05 593.3
1945+00
1950+00
1955+00
1960+00
1965+00
1970+00
1975+00
1980+00


VPC 1987+70.00
EL. = 605.25
STA = 1992+00.00
EL. = 603.10'
ex = 3.66'
K = 253
L = 860.00'
VPT 1996+30.00
EL. = 615.57
(-)0.5000 %
(+)2.9000 %
BRUSHY CREEK
100yr WSEL
597.42'
50yr WSEL
597.09'
3:1
END BRIDGE
℄ ML-US380W
STA 1993+43.72
116'
116'
116'
116'
122'
122'
122'
122'
BEGIN BRIDGE
℄ ML-US380W
STA 2003+02.00
STA = 2005+00.00
EL. = 640.80'
ex = -0.72'
K = 276
L = 400.00'
END BRIDGE
℄ ML-US380W
STA 2006+37.00
(+)2.9000 %
(+)1.4507 %
VPC 2003+00.00
EL. = 635.00
3:1
MIN
18.69' CLEAR
℄ X-AMP
3:1
VPT 2007+00.00
EL. = 643.70
24" RCP
FL=611.62'
TOTAL LENGTH
335'
SPAN LENGTH
96'
135'
104'
TX62
74" ASSUMED DEPTH OF SUPERSTRUCTURE
VPC 2011+50.00
EL. = 650.23
BEGIN BRIDGE
℄ ML-US380W
STA 2014+94.46
STA = 2016+50.00
EL. = 657.48'
ex = -4.14'
K = 302
L = 1,000.00'
(+)1.4507 %
(-)1.8588 %
END BRIDGE
℄ ML-US380W
STA 2018+44.46
3:1
MIN
19.79' CLEAR
MIN
19.17' CLEAR
MIN
18.77' CLEAR
3:1
℄ X-CR699
TOTAL LENGTH
350'
SPAN LENGTH
113'
124'
113'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 2021+50.00
EL. = 648.19
VPC 2027+00.00
EL. = 637.96
VPT 2029+00.00
EL. = 634.76
(-)1.8588 %
(-)1.3446 %
STA = 2028+00.00
EL. = 636.10'
ex = 0.13'
K = 389
L = 200.00'
MATCHLINE ℄ ML-US380W STA 2032+00
607.10
593.0
606.60
592.3
606.10
592.7
605.60
592.2
605.12
590.7
604.93
592.1
605.14
593.6
605.75
594.7
606.75
595.9
608.15
596.8
609.94
598.4
612.13
599.6
614.72
601.6
617.60
602.7
620.50
604.2
623.40
605.2
626.30
606.8
629.20
607.9
632.10
609.4
635.00
610.5
637.72
611.8
640.07
612.8
642.07
613.7
643.70
614.6
645.15
615.0
646.60
616.7
648.05
616.3
649.50
619.4
650.91
616.8
652.03
620.5
652.82
623.2
653.28
625.4
653.40
627.2
653.20
627.9
652.66
628.6
651.80
630.0
650.60
632.0
649.07
633.4
647.26
634.6
645.40
635.9
643.54
637.0
641.68
637.2
639.82
637.0
637.96
636.3
636.23
635.8
634.76
635.0
633.41
633.6
632.07
632.3
630.72
1985+00
1990+00
1995+00
2000+00
2005+00
2010+00
2015+00
2020+00
2025+00
2030+00


VPC 1988+50.00
EL. = 605.30
STA = 1992+00.00
EL. = 603.55'
ex = 3.02'
K = 203
L = 700.00'
END BRIDGE
℄ ML-US380E
STA 1993+46.96
VPT 1995+50.00
EL. = 613.88
(+)2.9500 %
(-)0.5000 %
BRUSHY CREEK
100yr WSEL
597.25'
50yr WSEL
596.94'
3:1
116'
116'
116'
116'
122'
122'
122'
122'
BEGIN BRIDGE
℄ ML-US380E
STA 2003+22.00
STA = 2005+00.00
EL. = 641.90'
ex = -1.04'
K = 302
L = 500.00'
END BRIDGE
℄ ML-US380E
STA 2006+57.00
(+)2.9500 %
(+)1.2916 %
VPC 2002+50.00
EL. = 634.53
3:1
MIN
18.59' CLEAR
℄ X-AMP
3:1
VPT 2007+50.00
EL. = 645.13
24" RCP
FL=611.52'
TOTAL LENGTH
335'
SPAN LENGTH
100'
135'
100'
TX62
74" ASSUMED DEPTH OF SUPERSTRUCTURE
VPC 2012+50.00
EL. = 651.59
BEGIN BRIDGE
℄ ML-US380E
STA 2014+98.60
STA = 2017+00.00
EL. = 657.40'
ex = -3.72'
K = 273
L = 900.00'
(+)1.2916 %
(-)2.0111 %
END BRIDGE
℄ ML-US380E
STA 2018+46.63
3:1
MIN
20.15' CLEAR
MIN
19.17' CLEAR
MIN
19.48' CLEAR
3:1
℄ X-CR699
TOTAL LENGTH
348'
SPAN LENGTH
111'
124'
113'
TX54
66" ASSUMED DEPTH OF SUPERSTRUCTURE
VPT 2021+50.00
EL. = 648.35
VPC 2024+50.00
EL. = 642.32
VPT 2027+50.00
EL. = 637.72
(-)2.0111 %
(-)1.0510 %
STA = 2026+00.00
EL. = 639.30'
ex = 0.36'
K = 312
L = 300.00'
MATCHLINE ℄ ML-US380E STA 2032+00
607.55
592.9
607.05
592.2
606.55
592.4
606.05
592.3
605.55
590.5
605.11
593.0
605.10
593.6
605.59
594.7
606.57
595.5
608.04
597.2
610.00
597.8
612.46
599.9
615.35
601.6
618.30
602.6
621.25
603.9
624.20
605.3
627.15
606.7
630.10
608.1
633.05
609.4
635.96
610.8
638.58
612.6
640.86
613.7
642.82
614.7
644.44
615.7
645.78
615.6
647.07
617.7
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618.7
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621.5
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620.3
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638.29
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635.3
634.05
634.8
632.99
633.9
1985+00
1990+00
1995+00
2000+00
2005+00
2010+00
2015+00
2020+00
2025+00
2030+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)

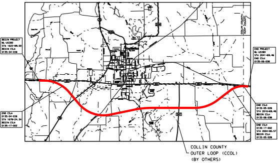
APRIL 2023

ROLL 6 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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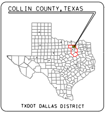
BEGIN CSJ#
0135-04-038
END CSJ#
0135-04-038
STA 1670+24.34
BEGIN CSJ#
0135-17-002
COLLIN COUNTY
HUNT COUNTY
END PROJECT
ML-US380
STA 2041+69.46
END CSJ#
0135-06-038
END CSJ#
0135-05-028
STA 2016+69.46
BEGIN CSJ#
0135-06-038
END CSJ#
0135-17-002
STA 2004+80.57
BEGIN CSJ#
0135-05-028
380
547
78
COLLIN 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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