Texas Department of Transportation

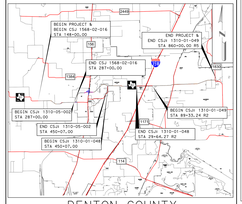
DALLAS DISTRICT
DESIGN SCHEMATIC
CEASON CLEMENS, P.E.
DISTRICT ENGINEER

FROM: BILL COOK RD
TO: FM 1830
CSJs: 1568-02-016, 1310-05-002, 1310-01-048, 1310-01-049
PROJECT LENGTH: 11.5 MILES

| ROADWAY TYPE | FUNCTIONAL CLASSIFICATION | DESIGN SPEED |
|---|---|---|
| FM 407 MAINLANE (EAST OF FM 156) | URBAN MINOR ARTERIAL | 45 MPH |
| FM 407 MAINLANE (WEST OF FM 156) | URBAN MAJOR ARTERIAL | 45 MPH |
| BILL COOK RD | LOCAL | 35 MPH |
| 1830 STREET | LOCAL | 30 MPH |
| 12TH STREET | LOCAL | 30 MPH |
| FM 156 | URBAN MINOR ARTERIAL | 45 MPH |
| FM 156 | URBAN MAJOR COLLECTOR | 45 MPH |
| FM 1830 | URBAN MINOR ARTERIAL | 35 MPH |
| FM 407 / FM 156 ACCESS RAMPS | URBAN MINOR ARTERIAL | 25 MPH |
| BUSS RANGE RD | URBAN MINOR ARTERIAL | 25 MPH |
| OLD FM 407 | URBAN MINOR ARTERIAL | 25 MPH |

SURVEY SCALE FACTOR: 1:1.000150630

100% COMPLETION SUBMITTAL




DENTON COUNTY

PROJECT LOCATION MAP

NOT TO SCALE

DESIGN MASTER/DEVIATION:NO

## ROLL 6 OF 12

INDEX OF SHEETS:

ROLL 1: BEGIN PROJECT - STA 101+00
ROLL 2: STA 101+00 - STA 200+00
ROLL 3: STA 200+00 - STA 299+00
ROLL 4: STA 299+00 - STA 324+00
ROLL 5: STA 324+00 - STA 380+00
ROLL 6: STA 380+00 - STA 435+00
ROLL 7: STA 435+00 - STA 510+00
ROLL 8: STA 510+00 - STA 584+00 RZ
ROLL 9: STA 584+00 - STA 661+00 RZ
ROLL 10: STA 661+00 - STA 734+00 RZ
ROLL 11: STA 734+00 RZ - STA 810+00 RZ
ROLL 12: STA 810+00 RZ - END PROJECT

STATION EQUATIONS:

FM 407 L3

100+00.00 B1 = 2+94.27 B2
100+07.10 B2 = 101+00.00 B2
500+35.78 B1 = 0+00.34 B4
0+00.15 B4 = 75+70.00 B3

FM407 (EB)

500+79.63 B1 = 2+94.27 B2
100+07.34 B2 = 101+00.00 B2
500+44.93 B1 = 0+00.34 B4
0+00.15 B4 = 75+70.00 B3

FM407_BT1

500+79.20 B1 = 2+94.27 B2
100+07.34 B2 = 101+00.00 B2
500+44.50 B1 = 0+00.34 B4
21+70.34 B4 = 75+70.00 B3

MAY 2025

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'

TIMOTHY M. NESBITT, P.E.
TX PE NO. 68648

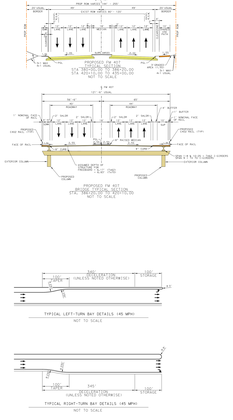
DATE SUBMITTED: 12/10/2025
DATE APPROVED:
DATE REVISED:

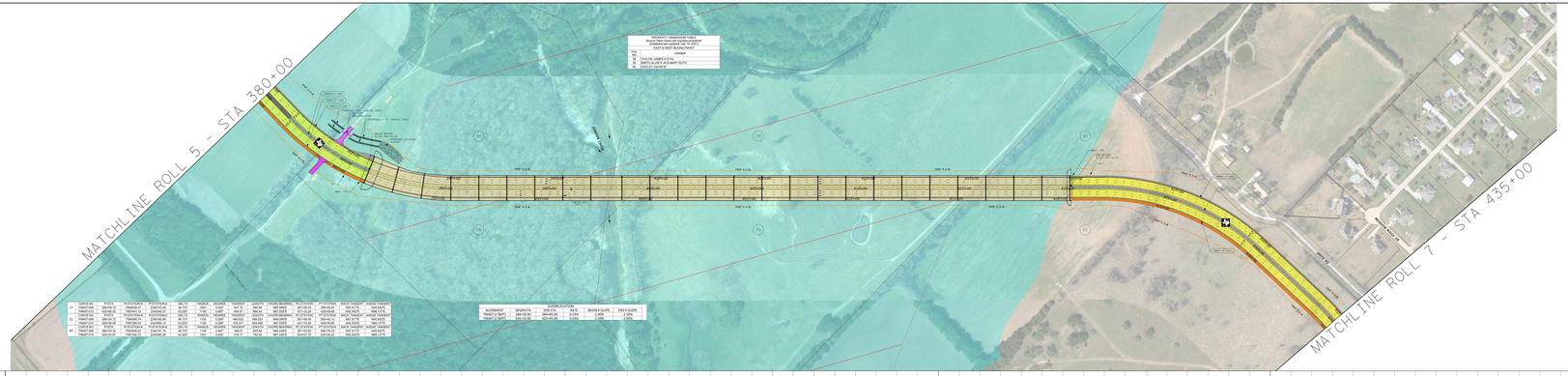
PRELIMINARY
THIS DOCUMENT IS ACTIVE UNDER THE AUTHORITY OF TIMOTHY M. NESBITT PROVIDING FOR DESIGN THE PROFESSIONAL ENGINEER IN TEXAS
TEXAS FIRM REGISTRATION NO. F-3199

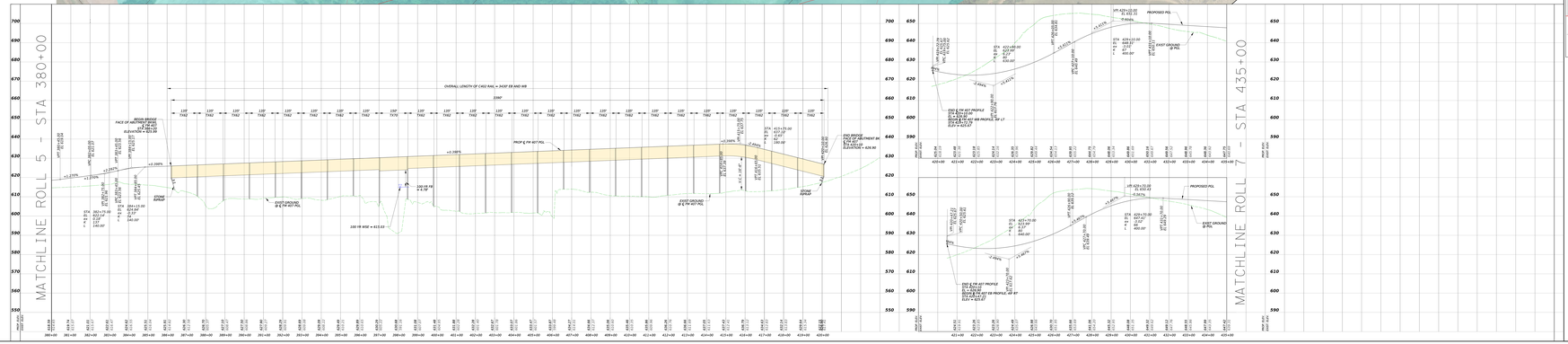
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

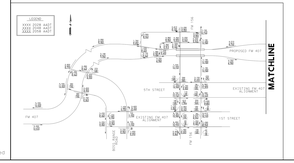
Bartlett&West
8300 LB FREEMAN DRIVE FORT WORTH, TX 76118
TEXAS FIRM REGISTRATION NO. F-3199

© 2025 by Texas Department of Transportation, All Rights Reserved




Texas Department of Transportation

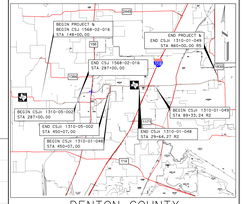
DALLAS DISTRICT
DESIGN SCHEMATIC
CEASON CLEMENS, P.E.
DISTRICT ENGINEER

FROM: BILL COOK RD
TO: FM 1830
CSJs: 1568-02-016, 1310-05-002, 1310-01-048, 1310-01-049
PROJECT LENGTH: 11.5 MILES

| ROADWAY TYPE | FUNCTIONAL CLASSIFICATION | DESIGN SPEED |
|---|---|---|
| FM 407 MAINLANE (EAST OF FM 156) | URBAN MINOR ARTERIAL | 45 MPH |
| FM 407 MAINLANE (WEST OF FM 156) | URBAN MAJOR ARTERIAL | 45 MPH |
| BILL COOK RD | LOCAL | 35 MPH |
| 1830 STREET | LOCAL | 30 MPH |
| 12TH STREET | LOCAL | 30 MPH |
| FM 156 | URBAN MINOR ARTERIAL | 45 MPH |
| FM 156 | URBAN MAJOR COLLECTOR | 45 MPH |
| FM 1830 | URBAN MINOR ARTERIAL | 35 MPH |
| FM 407 / FM 156 ACCESS RAMPS | URBAN MINOR ARTERIAL | 25 MPH |
| BUSS RANGE RD | URBAN MINOR ARTERIAL | 25 MPH |
| OLD FM 407 | URBAN MINOR ARTERIAL | 25 MPH |

SURVEY SCALE FACTOR: 1:1.000150630

100% COMPLETION SUBMITTAL



DENTON COUNTY

PROJECT LOCATION MAP

NOT TO SCALE

DESIGN MASTER/DEVIATION:NO

ROLL 6 OF 12

INDEX OF SHEETS:

ROLL 1: BEGIN PROJECT - STA 101+00
ROLL 2: STA 101+00 - STA 200+00
ROLL 3: STA 200+00 - STA 299+00
ROLL 4: STA 299+00 - STA 324+00
ROLL 5: STA 324+00 - STA 380+00
ROLL 6: STA 380+00 - STA 435+00
ROLL 7: STA 435+00 - STA 510+00
ROLL 8: STA 510+00 - STA 584+00 RZ
ROLL 9: STA 584+00 - STA 661+00 RZ
ROLL 10: STA 661+00 - STA 734+00 RZ
ROLL 11: STA 734+00 RZ - STA 810+00 RZ
ROLL 12: STA 810+00 RZ - END PROJECT

STATION EQUATIONS:

FM 407 L3

100+00.00 B1 = 2+94.27 B2
100+07.10 B2 = 101+00.00 B2
500+35.78 B1 = 0+00.34 B4
0+00.15 B4 = 75+70.00 B3

FM407 (EB)

500+79.63 B1 = 2+94.27 B2
100+07.34 B2 = 101+00.00 B2
500+44.93 B1 = 0+00.34 B4
0+00.15 B4 = 75+70.00 B3

FM407_BT1

500+79.20 B1 = 2+94.27 B2
100+07.34 B2 = 101+00.00 B2
500+44.50 B1 = 0+00.34 B4
21+70.34 B4 = 75+70.00 B3

MAY 2025

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'

TIMOTHY M. NESBITT, P.E.
TX PE NO. 68648

DATE SUBMITTED: 12/10/2025
DATE APPROVED:
DATE REVISED:

PRELIMINARY
THIS DOCUMENT IS ACTIVE UNDER THE AUTHORITY OF TIMOTHY M. NESBITT PROVIDING FOR DESIGN THE PROFESSIONAL ENGINEER IN TEXAS
TEXAS FIRM REGISTRATION NO. F-3199

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Bartlett&West
8300 LB FREEMAN DRIVE FORT WORTH, TX 76118
TEXAS FIRM REGISTRATION NO. F-3199

© 2025 by Texas Department of Transportation, All Rights Reserved