Texas Department of Transportation

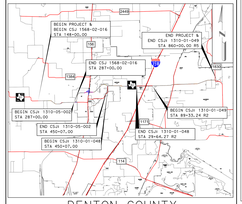
DALLAS DISTRICT
DESIGN SCHEMATIC
CEASON CLEMENS, P.E.
DISTRICT ENGINEER

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
1310-01-049	LOCAL	35 MPH
12TH STREET	LOCAL	30 MPH
FM 156	URBAN MINOR ARTERIAL	45 MPH
FM 1830	URBAN MINOR ARTERIAL	45 MPH
FM 407 / FM 156 ACCESS RAMPS	URBAN MINOR ARTERIAL	25 MPH
BUDS 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 WAIVER/DEVIATION:NO

ROLL 3 OF 12

INDEX OF SHEETS:

ROLL 1: BEGIN PROJECT - STA 151+00
ROLL 1: STA 151+00 - STA 200+00
ROLL 1: STA 200+00 - STA 250+00
ROLL 1: STA 250+00 - STA 324+00
ROLL 1: STA 324+00 - STA 350+00
ROLL 1: STA 350+00 - STA 424+00
ROLL 1: STA 424+00 - STA 510+00
ROLL 1: STA 510+00 - STA 564+72
ROLL 1: STA 564+72 - STA 601+00 R1
ROLL 1: STA 601+00 - STA 664+72 R1
ROLL 1: STA 664+72 - STA 701+00 R1
ROLL 1: STA 701+00 R1 - END PROJECT

STATION EQUATIONS:

FM 407_LT:
100+42.06 R1 = 29+44.27 R2
100+67.15 R1 = 121+35.05 R2
669+35.78 R2 = 0+00.54 R4
0+00.54 R4 = 704+70.80 R6
FM407_CL:
555+79.63 R1 = 29+44.27 R2
100+67.34 R2 = 121+35.05 R2
669+44.55 R2 = 0+00.54 R4
0+00.54 R4 = 704+70.80 R6
FM407_RT:
555+79.20 R1 = 29+44.27 R2
100+67.53 R2 = 121+35.05 R2
669+44.09 R2 = 0+00.54 R4
21+70.34 R4 = 704+70.80 R6

MAY 2025

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

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

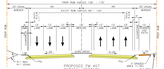
DATE SUBMITTED: 5/22/2025
DATE APPROVED:
DATE REVISED:

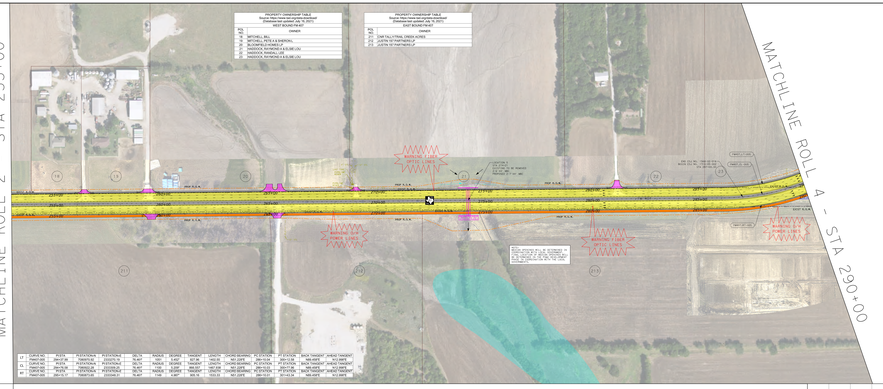
PRELIMINARY
THIS DOCUMENT IS RELEASED FOR REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF TIMOTHY M. NESBITT TX PE 68648

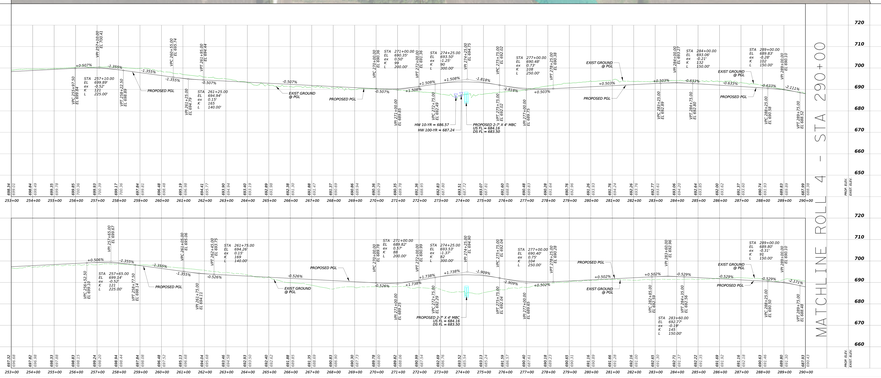
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Bartlett&West
8350 LBJ FREEWAY, STE 1100, DALLAS, TX 75243
TBPE FIRM REGISTRATION NO. F-439
TBPLS FIRM REGISTRATION NO. 10046

© 2025 by Texas Department of Transportation, All Rights Reserved







Texas Department of Transportation

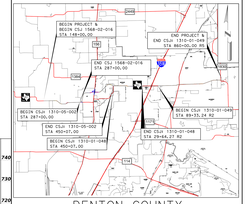
DALLAS DISTRICT
DESIGN SCHEMATIC
CEASON CLEMENS, P.E.
DISTRICT ENGINEER

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
1310-01-049	LOCAL	35 MPH
12TH STREET	LOCAL	30 MPH
FM 156	URBAN MINOR ARTERIAL	45 MPH
FM 1830	URBAN MINOR ARTERIAL	45 MPH
FM 407 / FM 156 ACCESS RAMPS	URBAN MINOR ARTERIAL	25 MPH
BUDS 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 WAIVER/DEVIATION:NO

ROLL 3 OF 12

INDEX OF SHEETS:

ROLL 1: BEGIN PROJECT - STA 151+00
ROLL 1: STA 151+00 - STA 200+00
ROLL 1: STA 200+00 - STA 250+00
ROLL 1: STA 250+00 - STA 324+00
ROLL 1: STA 324+00 - STA 350+00
ROLL 1: STA 350+00 - STA 424+00
ROLL 1: STA 424+00 - STA 510+00
ROLL 1: STA 510+00 - STA 564+72
ROLL 1: STA 564+72 - STA 601+00 R1
ROLL 1: STA 601+00 - STA 664+72 R1
ROLL 1: STA 664+72 - STA 701+00 R1
ROLL 1: STA 701+00 R1 - END PROJECT

STATION EQUATIONS:

FM 407_LT:
100+42.06 R1 = 29+44.27 R2
100+67.15 R1 = 121+35.05 R2
669+35.78 R2 = 0+00.54 R4
0+00.54 R4 = 704+70.80 R6
FM407_CL:
555+79.63 R1 = 29+44.27 R2
100+67.34 R2 = 121+35.05 R2
669+44.55 R2 = 0+00.54 R4
0+00.54 R4 = 704+70.80 R6
FM407_RT:
555+79.20 R1 = 29+44.27 R2
100+67.53 R2 = 121+35.05 R2
669+44.09 R2 = 0+00.54 R4
21+70.34 R4 = 704+70.80 R6

MAY 2025

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

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

DATE SUBMITTED: 5/22/2025
DATE APPROVED:
DATE REVISED:

PRELIMINARY
THIS DOCUMENT IS RELEASED FOR REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF TIMOTHY M. NESBITT TX PE 68648

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Bartlett&West
8350 LBJ FREEWAY, STE 1100, DALLAS, TX 75243
TBPE FIRM REGISTRATION NO. F-439
TBPLS FIRM REGISTRATION NO. 10046

© 2025 by Texas Department of Transportation, All Rights Reserved