Texas Department of Transportation ®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DENTON COUNTY

FM 1385

FROM: US 380 TO FM 455
CSJ: 1315-01-030

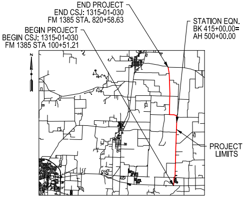
FUNCTIONAL CLASS: URBAN MAJOR COLLECTOR

DESIGN SPEED: 45 mph (FM 1385)
30 mph (CROSS-ST)

PROJECT LENGTH: 12.03 MILES

INDEX OF SHEETS:

ROLL 1: US 380 TO UNION PARK BLVD - STA 100+51.21 TO STA 170+00
ROLL 2: UNION PARK BLVD TO NORTH OF WINN RIDGE RD - STA 170+00 TO STA 245+00
ROLL 3: NORTH OF WINN RIDGE RD TO RANCHETTE RD - STA 245+00 TO STA 322+00
ROLL 4: RANCHETTE RD TO NORTH OF FM 428 WEST - STA 322+00 TO STA 397+00
ROLL 5: NORTH OF FM 428 WEST TO MUSTANG CREEK - STA 397+00 TO STA 558+00
ROLL 6: MUSTAND CREEK TO NORTH OF JOE ALLEN RD - STA 558+00 TO STA 635+00
ROLL 7: NORTH OF JOE ALLEN RD TO NORTH OF FREINDSHIP RD - STA 635+00 TO STA 713+00
ROLL 8: NORTH OF FREINDSHIP RD TO STRITTMATTER RD - STA 713+00 TO STA 791+00
ROLL 9: STRITTMATTER RD TO FM 455 - STA 791+00 TO STA 820+58.63


END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 820+58.63
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+51.21
STATION EQN.
BK 415+00.00=
AH 500+00.00
PROJECT LIMITS
N

DENTON COUNTY

LOCATION MAP
N.T.S.

SEPTEMBER 2020

HORIZ SCALE: 1"=100'
0 50 100 150 200

VERTICAL SCALE: 1"=10'
0 5 10 15 20

HOWARD COLUMBUS GIBBS III, P.E.
(TX PE NO. 100239)

TIMOTHY M. NESBITT, P.E.
(TX PE NO. 66648)

DATE SUBMITTED: 9/11/2020

DATE APPROVED:

DATE REVISED:

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 8 OF 9

LTRA
Lina T. Ramey & Associates, Inc.
3320 Belt Line Rd
Farmers Branch, Texas 75234
TBPE Registration No. F-782

CIVIL ASSOCIATES, INC.
CAI
9330 LBJ Frwy, Ste. 1150
Dallas, Texas 75243
TBPE Firm Registration No. 6981

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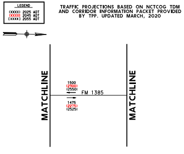
LEGEND:

🟨	PROPOSED MAINLANES
🟪	PROPOSED CROSS STREETS
🟪	PROPOSED DRIVEWAYS
▬	PROPOSED SIDEWALKS
🟧	PROPOSED BRIDGE STRUCTURES
☒	PAVEMENT REMOVAL
▨	DISPLACEMENTS
— · —	APPARENT EXISTING ROW
— · —	**PROPOSED ROW**
— - —	**PROPOSED CENTERLINE/BASELINE**
- - -	**EXISTING EASEMENT**
🟦	100 YR FLOODPLAIN LIMITS
▨	FLOODWAY LIMITS
- - -	FUTURE PROJECT (BY OTHERS)
—	STREAM FLOW
→	**DIRECTION OF TRAVEL**
- - -	EXISTING CULVERT
—	PROPOSED CULVERT
(XXX-X)	CURVE NUMBER
(XX)	PROPERTY OWNERSHIP LABELS

NOTES:

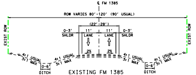
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON EXISTING PLANS AND AERIAL SURVEYS DATED APRIL 2020 AND RECORD PLANS
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB UNLESS NOTED OTHERWISE.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48121C0270G.
6. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM FIELD SURREY FOR INFORMATIONAL PURPOSES ONLY.
7. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
8. ALL CURBS ARE TYPE II (6") (UNLESS NOTED OTHERWISE).
9. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
10. WB-62 DESIGN VEHICLE WAS USED IN EVALUATION OF TURNING MOVEMENTS.
11. TRAFFIC VOLUMES BASED ON TRAFFIC COUNTS AND GROWTH RATES PROVIDED BY TP&P. TRAFFIC VOLUMES APPROVED BY TXDOT TP&P (MARCH 2020).
12. AS PER MUTCD REQUIREMENTS, A TRAFFIC SIGNAL WARRANT ANALYSIS WILL BE REQUIRED AFTER INTERSECTIONS ARE CONSTRUCTED TO JUSTIFY THE INSTALLATION OF TRAFFIC SIGNALS.
14. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (AUGUST 2020).

PROP ID	NAME	MAILING ADDRESS
EB1036	ELAND FARMS LP	16400 DALLAS PKWY STE 100
EB1037	ELAND FARMS LP	16400 DALLAS PKWY STE 100
EB1038	L1719 LLC	12900 Preston Rd Ste 1117
EB1039	L1719 LLC	12900 Preston Rd Ste 1117
WB1066	SHAW, ANDREW K & CHLADEK, MARISSA G	13085 FM 1385
WB1067	SWEARENGIN, CURTIS W & CEDANO, CESAR HEREDIA	13583 STRITTMATTER RD
WB1068	MEXIA, STEPHANIE DIANE	13584 STRITTMATTER RD
WB1069	MILLER, CYNTHIA M	12869 FM 1385
WB1070	CARAVELLA, MICHAEL & TIFFANY	12829 FM 1385
WB1071	VICKERS, MARK E & MARY E	12797 FM 1385
WB1072	VICKERS, MARK E & MARY E	12797 FM 1385
WB1073	PARKER, JAMES T & MERIDITH D	12669 FM 1385
WB1074	CAMPBELL, GUY & DI-ANN	PO BOX 57
WB1075	GABY, CRAIG & MARLA JEAN	12517 FM 1385
WB1076	TUPY, MILTON R	6710 HYACINTH LN
WB1077	TUPY, MILTON R	6710 HYACINTH LN
WB1078	KANDI, SANTOSH & KODUGANTI, SIRISHA & PULLABHOTLA, PRASAD S & ANUPAMA	7023 MOODY AVE
WB1079	KANDI, SANTOSH & KODUGANTI, SIRISHA & PULLABHOTLA, PRASAD S & ANUPAMA	7023 MOODY AVE
WB1080	ANSELMI, MICHAEL F & DEBORAH	12327 FM 1385
WB1081	GENE MCCUTCHIN LTD III	PO BOX 802043
WB1082	GENE MCCUTCHIN LTD III	PO BOX 802043

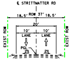

LEGEND
(XXXX) 2025 ADT
[XXXX] 2045 ADT
[XXXX] 2055 ADT
MATCHLINE
MATCHLINE
FM 1385
1500
(2300)
[2550]
1475
(2275)
[2525]

TRAFFIC PROJECTIONS BASED ON NCTCOG TDM AND CORRIDOR INFORMATION PACKET PROVIDED BY TPP. UPDATED MARCH, 2020

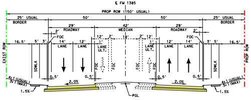
TRAFFIC DIAGRAM - FM 1385
N.T.S.


℄ FM 1385
ROW VARIES 80'-120' (90' USUAL)
(22'-28')
0-3' SHLDR
11' LANE
11' LANE
0-3' SHLDR
2%
2%
EXIST ROW
EXIST ROW
4:1 USUAL
3:1 MAX
0-6'
DITCH

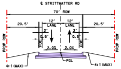
EXISTING FM 1385
TYPICAL SECTION


℄ STRITTMATTER RD
18.5' ROW 37' 18.5'
20'
10' LANE
10' LANE
PGL
2%
2%
EXIST ROW
EXIST ROW

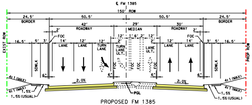
EXISTING STRITTMATTER RD
TYPICAL SECTION


℄ FM 1385
PROP ROW (150' USUAL)
25' USUAL BORDER
50'
50'
25' USUAL BORDER
29' ROADWAY
42' MEDIAN
29' ROADWAY
2'
FOC
16.5'
5'
3'
14' LANE
12' LANE
12'
2'
18'
1'
LANE ULT.
SDWLK
EXIST ROW
PROP ROW
0.5'
2.0%
4:1 (USUAL)
3:1 (MAX)
1.5%
PGL

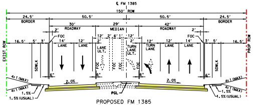
PROPOSED FM 1385
TYPICAL SECTION
STA 713+00 TO 791+00


℄ STRITTMATTER RD
70' ROW
20.5'
12' LANE
12' LANE
20.5'
2'
0.5'
FOC
2.0%
PROP ROW
PROP ROW
PGL
4:1 (MAX)
4:1 (MAX)

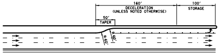
PROPOSED STRITTMATTER RD
TYPICAL SECTION
STA. 100+00 TO 102+94.55


℄ FM 1385
150' ROW
24.5' BORDER
50.5'
50.5'
24.5' BORDER
42' ROADWAY
29' MEDIAN
30' ROADWAY
2'
FOC
16.5'
5'
3'
12' LANE
12' LANE
TURN LANE
LANE ULT.
14' LANE
SDWLK
EXIST ROW
PROP ROW
6"
2.0%
PGL
4:1 (MAX)
1.5%
1.5% (USUAL)

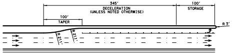
PROPOSED FM 1385
TYPICAL SECTION
STA 720+11 TO 724+56
STA 753+20 TO 757+65
STA 772+52 TO 776+97
STA 787+50 TO 791+95


℄ FM 1385
150' ROW
24.5' BORDER
50.5'
50.5'
24.5' BORDER
30' ROADWAY
29' MEDIAN
42' ROADWAY
2'
FOC
16.5'
5'
3'
14' LANE
12' LANE
LANE ULT.
TURN LANE
SDWLK
EXIST ROW
PROP ROW
6"
2.0%
PGL
4:1 (MAX)
1.5%
1.5% (USUAL)

PROPOSED FM 1385
TYPICAL SECTION
STA 714+36 TO 718+81
STA 746+85 TO 751+30
STA 766+78 TO 771+23
STA 781+76 TO 786+21


160'
DECELERATION
(UNLESS NOTED OTHERWISE)
100'
STORAGE
50'
TAPER
R 60'
R 60'

TYPICAL LEFT-TURN BAY DETAILS (30 MPH)
N.T.S

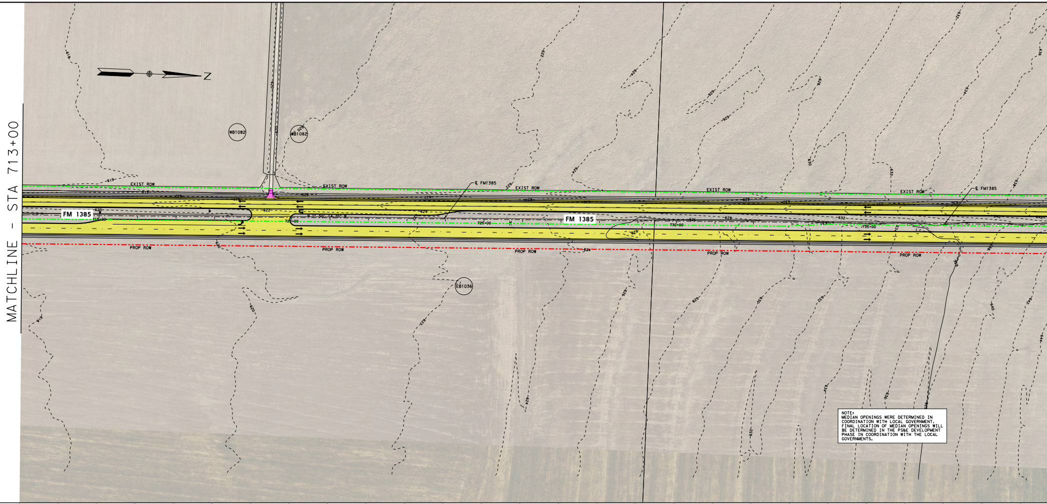

345'
DECELERATION
(UNLESS NOTED OTHERWISE)
100'
STORAGE
100'
TAPER
R 211'
R 211'
R 3'

TYPICAL LEFT-TURN BAY DETAILS (45 MPH)
N.T.S

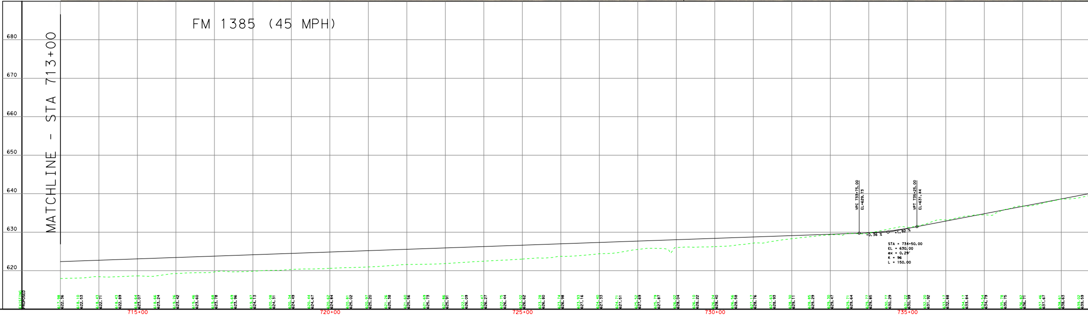
CURVE DATA TABLE

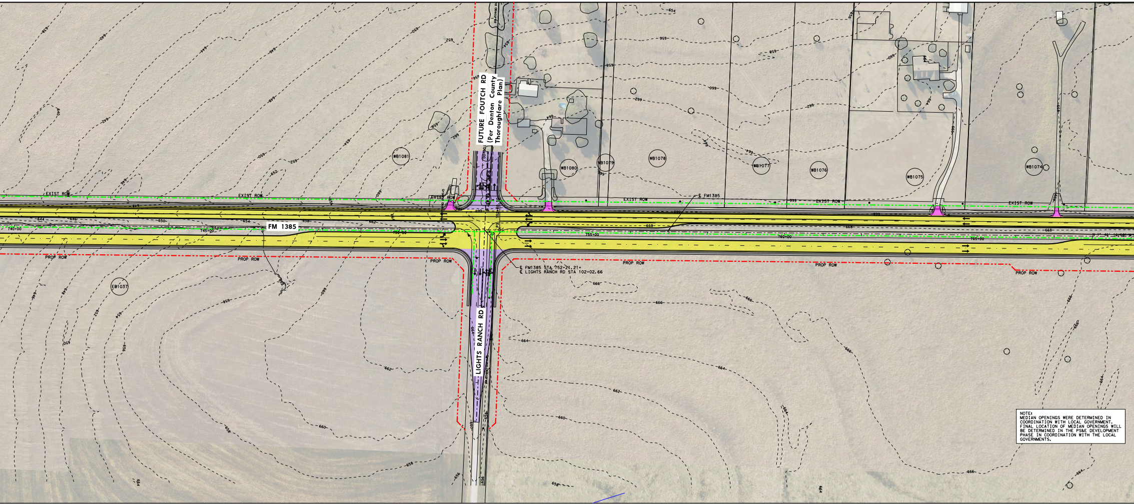
CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADUIS	PI STA	PC STA	PT STA
FM1385-112	7° 37' 23.14" (LT)	3° 49' 10.99"	99.93	199.57	1500	785+39.61	784+39.68	786+39.25
PRSTRITTMATTE1	5° 35' 57.36" (LT)	7° 04' 24.79"	39.61'	79.16'	810'	102+55.01	102+15.40	102+94.55

PRELIMINARY
NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES

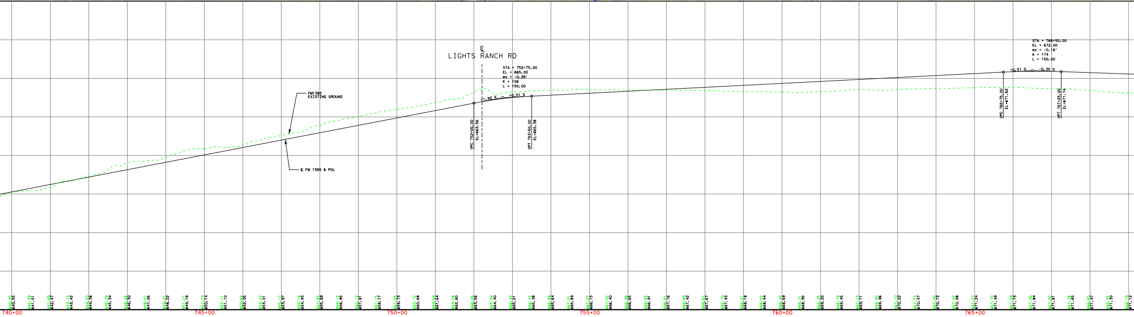

MATCHLINE - STA 713+00
N
WB1082
WB1082
EB1036
EXIST ROW
PROP ROW
FM 1385
℄ FM1385
715+00
720+00
725+00
730+00
735+00

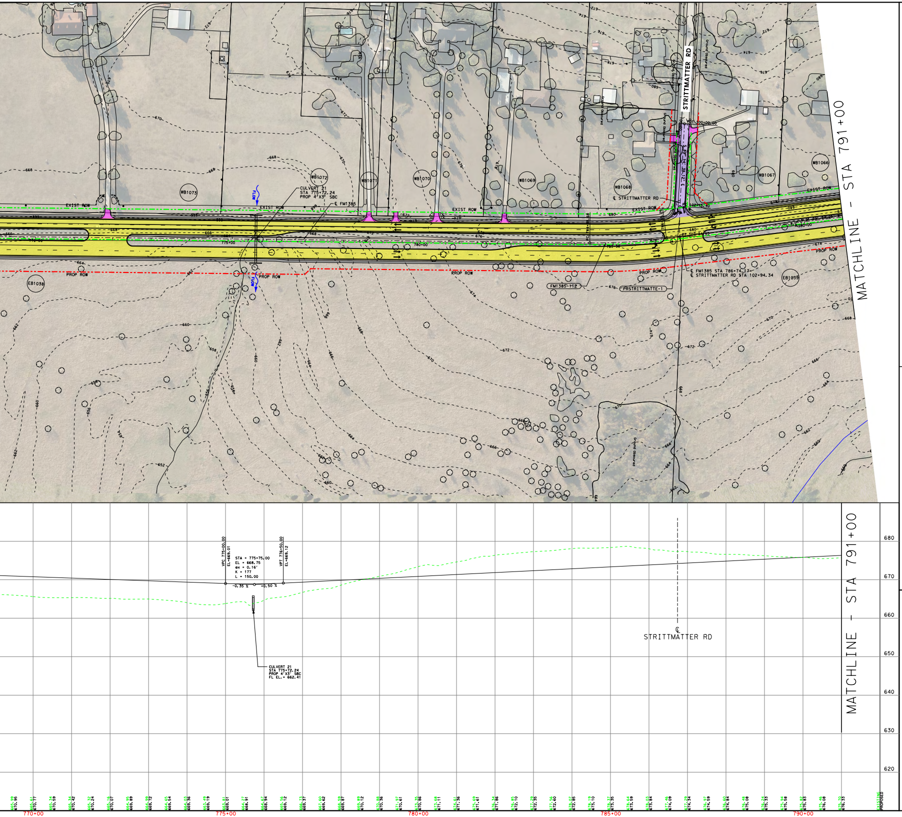
NOTE:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.


FM 1385 (45 MPH)
MATCHLINE - STA 713+00
680
670
660
650
640
630
620
VPC 733+75.00
EL=629.73
VPT 735+25.00
EL=631.44
+0.36 %
+1.92 %
STA = 734+50.00
EL = 630.00
ex = 0.29'
K = 96
L = 150.00
PROPOSED
715+00
720+00
725+00
730+00
735+00


FUTURE FOUTCH RD
(Per Denton County
Thoroughfare Plan)
FM 1385
LIGHTS RANCH RD
EXIST ROW
PROP ROW
℄ FM1385
℄ FM1385 STA 752+21.21=
℄ LIGHTS RANCH RD STA 102+02.66
WB1081
WB1080
WB1079
WB1078
WB1077
WB1076
WB1075
WB1074
EB1037
740+00
745+00
750+00
755+00
760+00
765+00

NOTE:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.


℄
LIGHTS RANCH RD
STA = 752+75.00
EL = 665.00
ex = -0.26'
K = 106
L = 150.00
-1.92 %
+0.51 %
VPC 752+00.00
EL=663.56
VPT 753+50.00
EL=665.38
FM1385
EXISTING GROUND
℄ FM 1385 & PGL
STA = 766+50.00
EL = 672.00
ex = -0.16'
K = 174
L = 150.00
+0.51 %
-0.35 %
VPC 765+75.00
EL=671.62
VPT 767+25.00
EL=671.74
740+00
745+00
750+00
755+00
760+00
765+00


STRITTMATTER RD
MATCHLINE - STA 791+00
EXIST ROW
PROP ROW
WB1073
WB1072
WB1071
WB1070
WB1069
WB1068
WB1067
WB1066
EB1038
EB1039
CULVERT 21
STA 775+72.24
PROP 4'X3' SBC
℄ FM1385
℄ STRITTMATTER RD
℄ FM1385 STA 786+74.17
℄ STRITTMATTER RD STA 102+94.34
FM1385-H12
PRSTRITTMATTE-1
775+00
780+00
785+00
790+00
VPC 775+00.00
EL=669.01
VPT 776+50.00
EL=669.12
STA = 775+75.00
EL = 668.75
ex = 0.16'
K = 177
L = 150.00
-0.35 %
+0.50 %
CULVERT 21
STA 775+72.24
PROP 4'X3' SBC
FL EL.= 662.41
℄
STRITTMATTER RD
MATCHLINE - STA 791+00
680
670
660
650
640
630
620
EXISTING
PROPOSED
770+00
775+00
780+00
785+00
790+00

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DENTON COUNTY

FM 1385

FROM: US 380 TO FM 455
CSJ: 1315-01-030

FUNCTIONAL CLASS: URBAN MAJOR COLLECTOR

DESIGN SPEED: 45 mph (FM 1385)
30 mph (CROSS-ST)

PROJECT LENGTH: 12.03 MILES

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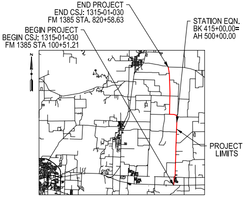
END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 820+58.63
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+51.21
STATION EQN.
BK 415+00.00=
AH 500+00.00
PROJECT LIMITS
N

DENTON COUNTY
LOCATION MAP
N.T.S.

SEPTEMBER 2020

HORIZ SCALE: 1"=100'
0 50 100 150 200

VERTICAL SCALE: 1"=10'
0 5 10 15 20

HOWARD COLUMBUS GIBBS III, P.E.
(TX PE NO. 100239)

TIMOTHY M. NESBITT, P.E.
(TX PE NO. 66648)

DATE SUBMITTED
9/11/2020

DATE APPROVED

DATE REVISED

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 8 OF 9

Lina T. Ramey & Associates, Inc.
3320 Belt Line Rd
Farmers Branch, Texas 75234
TBPE Registration No. F-782

CIVIL ASSOCIATES, INC.
9330 LBJ Frwy, Ste. 1150
Dallas, Texas 75243
TBPE Firm Registration No. 6981

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