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

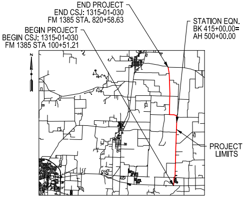
FUNCTIONAL CLASS: URBAN MAJOR COLLECTOR

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: MUSTANG CREEK TO NORTH OF JOE ALLEN RD - STA 558+00 TO STA 635+00
- ROLL 7: NORTH OF JOE ALLEN RD TO NORTH OF FRIENDSHIP RD - STA 635+00 TO STA 713+00
- ROLL 8: NORTH OF FRIENDSHIP 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)

DATE SUBMITTED
9/11/2020

DATE APPROVED

DATE REVISED

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 2 OF 9

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

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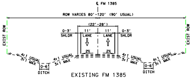
LEGEND:

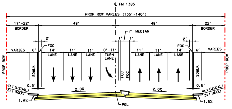
- 🟨 PROPOSED MAINLANES
- ▭ PROPOSED CROSS STREETS
- 🟪 PROPOSED DRIVEWAYS
- ▬ PROPOSED SIDEWALKS
- 🟧 PROPOSED BRIDGE STRUCTURES
- ▨ PAVEMENT REMOVAL
- ▨ DISPLACEMENTS
- — · — APPARENT EXISTING ROW
- — · — **PROPOSED ROW**
- — · — **PROPOSED CENTERLINE/BASELINE**
- - - - **EXISTING EASEMENT**
- ▬ 100 YR 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:

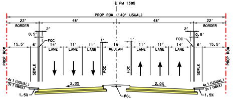
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON EXISTING PLANS AND AERIAL SURVEYS DATED APRIL 2020 AND RECORD PLANS
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION 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).


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

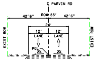
EXISTING FM 1385
TYPICAL SECTION


℄ FM 1385
PROP ROW VARIES (135'-140')
17'-22' BORDER
48'
7' MEDIAN
22' BORDER
VARIES
6'
FOC
14' LANE
11' LANE
11' LANE
0'-11' TURN LANE
SDWLK
PROP ROW
2.0%
0.5'
4:1 (USUAL)
3:1 (MAX)
1.5%
PGL

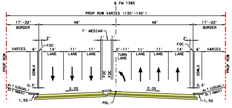
PROPOSED FM 1385
TYPICAL SECTION
STA 177+07 TO 180+81
STA 185+82 TO 190+40
STA 194+39 TO 198+18
STA 205+00 TO 209+49
STA 221+31 TO 225+80
STA 231+86 TO 236+35


℄ FM 1385
PROP ROW (140' USUAL)
22' BORDER
48'
18' MEDIAN
15.5'
6'
14' LANE
11' LANE
11' LANE
FOC
SDWLK
PROP ROW
2.0%
0.5'
4:1 (USUAL)
3:1 (MAX)
1.5%
PGL

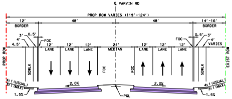
PROPOSED FM 1385
TYPICAL SECTION
STA 170+30 TO 172+08
STA 180+81 TO 180+86
STA 198+18 TO 204+01
STA 204+49 TO 213+27
STA 218+75 TO 220+56
STA 225+80 TO 226+22
STA 236+35 TO 242+79


℄ PARVIN RD
42'6"
ROW: 85'
24'
12' LANE
12' LANE
PGL
2%
EXIST ROW

EXISTING PARVIN RD
TYPICAL SECTION


℄ FM 1385
PROP ROW VARIES (130'-140')
17'-22' BORDER
48'
7' MEDIAN
VARIES
6'
FOC
14' LANE
11' LANE
11' LANE
0'-11' TURN LANE
SDWLK
PROP ROW
2.0%
0.5'
4:1 (USUAL)
3:1 (MAX)
1.5%
PGL

PROPOSED FM 1385
TYPICAL SECTION
STA 172+08 TO 176+56
STA 180+86 TO 184+65
STA 190+40 TO 193+58
STA 213+27 TO 218+05
STA 226+22 TO 230+71
STA 242+79 TO 247+28


℄ PARVIN RD
PROP ROW VARIES (119'-124')
12' BORDER
48'
14'-16' BORDER
4.5'
FOC
12' LANE
12' LANE
24' MEDIAN
VARIES
SDWLK
PROP ROW
2.0%
0.5'
4:1 (USUAL)
3:1 (MAX)
1.5%
PGL

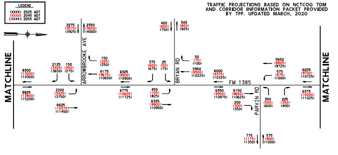
PROPOSED PARVIN RD
TYPICAL SECTION

HORIZONTAL ALIGNMENT DATA

CHAIN NO.	POT STA	POT-NORTHING	POT-EASTING	BEARING	POT STA	POT-NORTHING
PARVIN	10+00.00	7,143,209.16	2,459,737.44	N 89° 24' 51.54" E	17+00.00	7,143,216.31

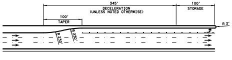
CURVE DATA TABLE

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADUIS	PI STA	PC STA
FM1385-6	0° 53' 06.34" (RT)	0° 34' 22.65"	77.24'	154.48'	10000.00'	176+81.87	176+04.63
FM1385-7	0° 53' 06.34" (LT)	0° 49' 06.64"	54.07'	108.13'	7000.00'	180+05.55	179+51.49

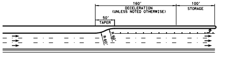

LEGEND
(XXXX) 2025 ADT
(XXXX) 2045 ADT
(XXXX) 2055 ADT
MATCHLINE
ARROWBROOKE AVE
BRYAN RD
FM 1385
PARVIN RD
MATCHLINE
2275 (3575) (3925)
2350 (3650) (4000)
400 (650) (750)
500 (800) (925)
150 (225) (250)
50 (75) (100)
5650 (8825) (9725)
8300 (13000) (14300)
2125 (3325) (3650)
150 (250) (275)
6175 (9675) (10650)
6325 (9900) (10900)
375 (600) (675)
25 (50) (75)
5950 (9300) (10225)
6000 (9375) (10325)
575 (875) (1000)
6225 (9700) (10725)
8825 (13800) (15200)
2200 (3425) (3750)
6625 (10375) (11450)
6775 (10625) (11725)
450 (725) (825)
6325 (9900) (10900)
6350 (9950) (10975)
6150 (9650) (10625)
200 (300) (350)
350 (550) (600)
225 (350) (400)
6375 (10000) (11025)
775 (1175) (1350)
575 (900) (1000)

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

TRAFFIC DIAGRAM - FM 1385
N.T.S.


345'
DECELERATION
(UNLESS NOTED OTHERWISE)
100'
STORAGE
100'
TAPER
R 3'
R 250'

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


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

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

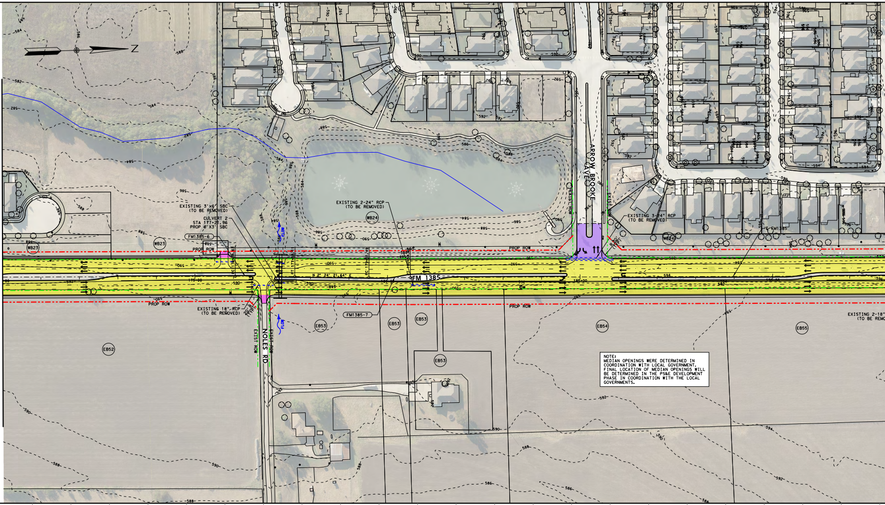
PROP ID	NAME	MAILING ADDRESS
EB52	LEIDECKER PROPERTIES LTD	1998 FM 1385
EB53	DENTON INDEPENDENT SCHOOL DISTRICT	1307 N LOCUST ST
EB54	JOHN D NOLES	2712 JAMES ST
EB55	TOMMY WILSON NOLES	1010 COUNTY ROAD
EB56	BRAZOS ELECTRIC POWER COOP	16410 N ELDRIDGE PKWY
EB57	SWISHER PARTNERS LP P/S	8750 N CENTRAL EXPY STE 1735
EB58	TEXAS REPUBLIC REALTY LTD	3889 MAPLE AVE STE 410
EB59	MM SUTTON FIELDS 4A-4B LLC	1800 VALLEY VIEW LN STE 300
EB60	ANNA LIZ HONG	3110 SHADOW DR W
EB61	MRMS FM 1385 INVESTMENTS LLC	8619 LOHR VALLEY RD
EB62	MARGIE B CHESNEY	3612 FM 1385
WB23	H4 LITTLE ELM LP	ATTN: LAURIE D ZIRPEL
WB24	ARROWBROOKE HOMEOWNERS ASSOCIATION INC	7800 N DALLAS PKWY STE 450
WB25	COUNTY OF DENTON	401 W HICKORY ST
WB26	BRYAN ROAD RETAIL PARTNERS LP	1201 N RIVERFRONT BLVD
WB27	WINN RIDGE HOMEOWNERS ASSOCIATION INC	1512 CRESCENT DR STE 112
WB28	OLIVER FLORES HERNANDEZ	3367 FM 1385
WB29	HORIZON/DEER CREEK DEVELOPMENT CORP	5760 LEGACY DR STE B3-388

PRE
NOT INTEND
OR BI

LIMINARY
DED FOR CONSTRUCTION
IDDING PURPOSES

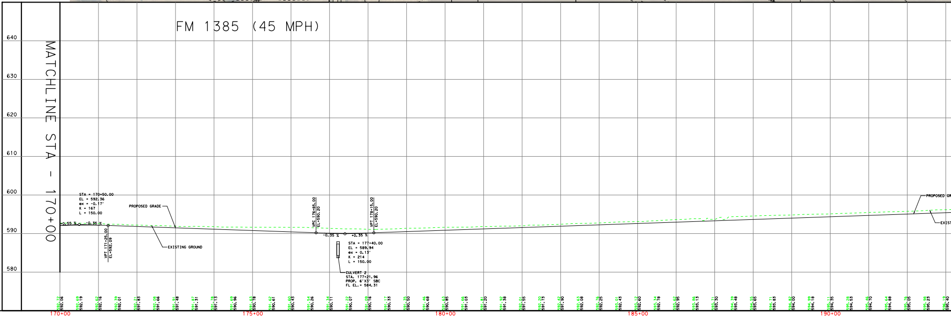
-EASTING
0,437.40

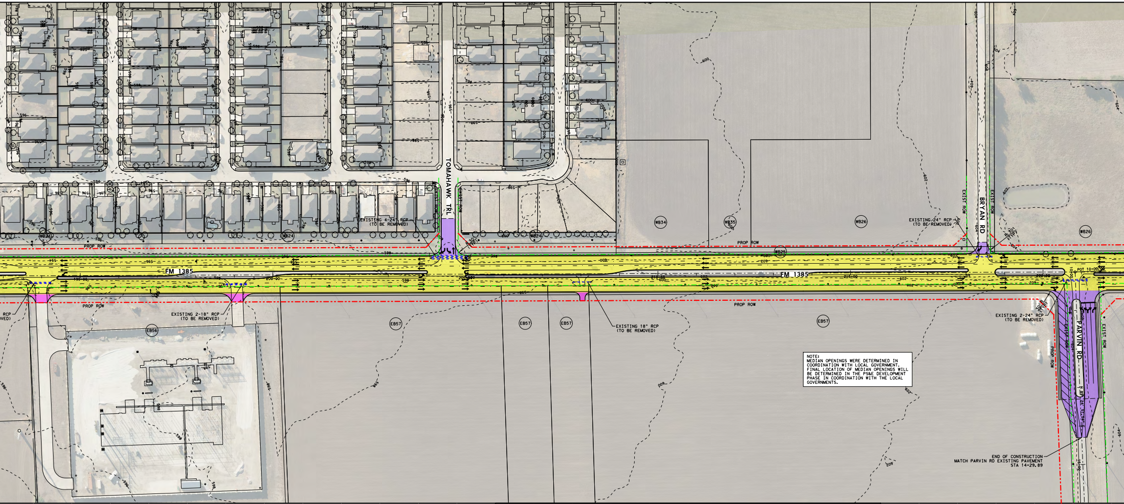
PT STA
177+59.11
180+59.62


N
MATCHLINE STA - 170+00
EXISTING 3'x6' SBC (TO BE REMOVED)
CULVERT 2 STA 177+21.96 PROP 6'X3' SBC
FM1385-6
PROP ROW
WB23
WB24
EXISTING 2-24" RCP (TO BE REMOVED)
N 2° 24' 21.64" E
FM 1385
175+00
180+00
185+00
190+00
FLOW
EXISTING 18" RCP (TO BE REMOVED)
20' R (TYP)
FM1385-7
EXIST ROW
NOLES RD
ARROW BROOKE AVE
EXISTING 3-24" RCP (TO BE REMOVED)
℄ FM1385
R 30' (TYP)
EB52
EB53
EB54
EB55
EXISTING 2-18" (TO BE REMO
584
586
588
590
592
594
596

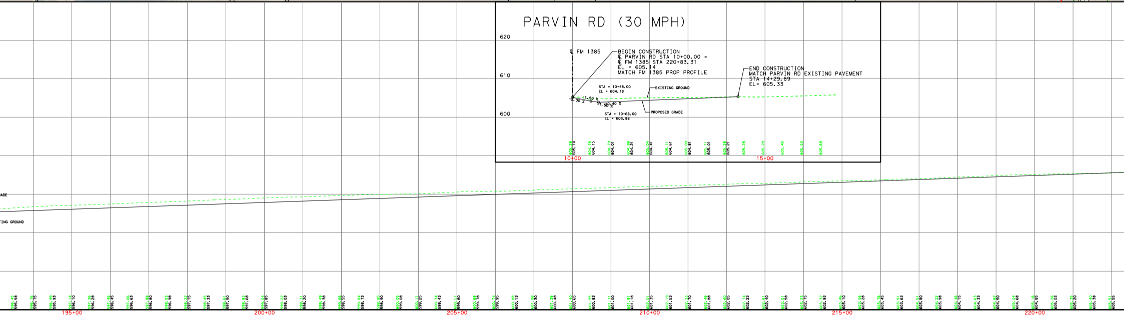
NOTE:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.

FM 1385 (45 MPH)



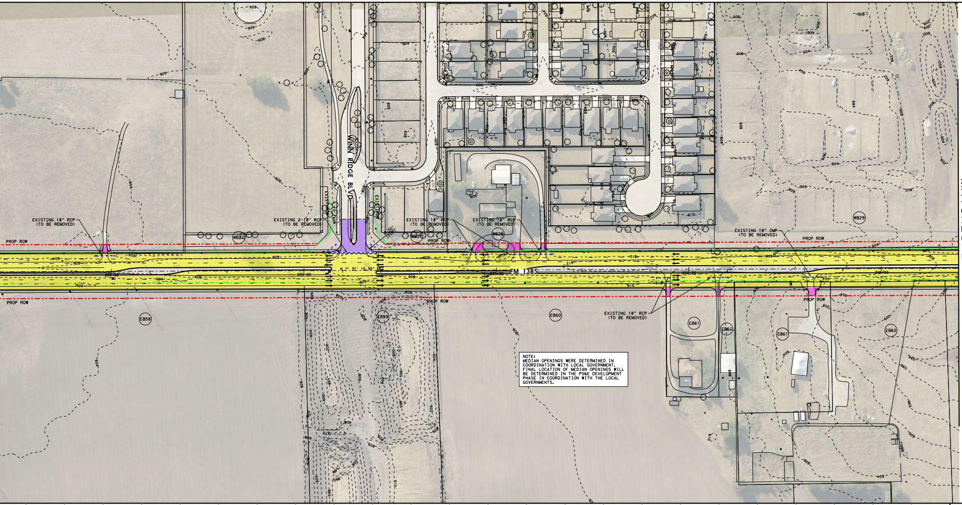

TOMAHAWK TRL
BRYAN RD
PARVIN RD
FM 1385
EXIST ROW
PROP ROW
EXISTING 4-24" RCP (TO BE REMOVED)
EXISTING 24" RCP (TO BE REMOVED)
EXISTING 2-18" RCP (TO BE REMOVED)
EXISTING 18" RCP (TO BE REMOVED)
EXISTING 2-24" RCP (TO BE REMOVED)
END OF CONSTRUCTION MATCH PARVIN RD EXISTING PAVEMENT STA 14+29.89
POT 10+00.00
WB24
WB25
WB26
WB34
WB35
EB56
EB57

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.



PARVIN RD (30 MPH)

620
610
600
℄ FM 1385
BEGIN CONSTRUCTION
℄ PARVIN RD STA 10+00.00 =
℄ FM 1385 STA 220+83.31
EL = 605.14
MATCH FM 1385 PROP PROFILE
END CONSTRUCTION
MATCH PARVIN RD EXISTING PAVEMENT
STA 14+29.89
EL= 605.33
STA = 10+48.00
EL = 604.18
STA = 10+68.00
EL = 603.88
-2.00 %
-1.50 %
-1.50 %
+0.40 %
EXISTING GROUND
PROPOSED GRADE
10+00
15+00
195+00
200+00
205+00
210+00
215+00
220+00



WINN RIDGE BLVD
FM 1385
PROP ROW
EXISTING 18" RCP (TO BE REMOVED)
EXISTING 2-18" RCP (TO BE REMOVED)
EXISTING 18" CMP (TO BE REMOVED)
WB32
WB27
WB28
WB29
EB58
EB59
EB60
EB61
EB62
230+00
240+00
MATCHLINE STA - 247+00

NOTE:
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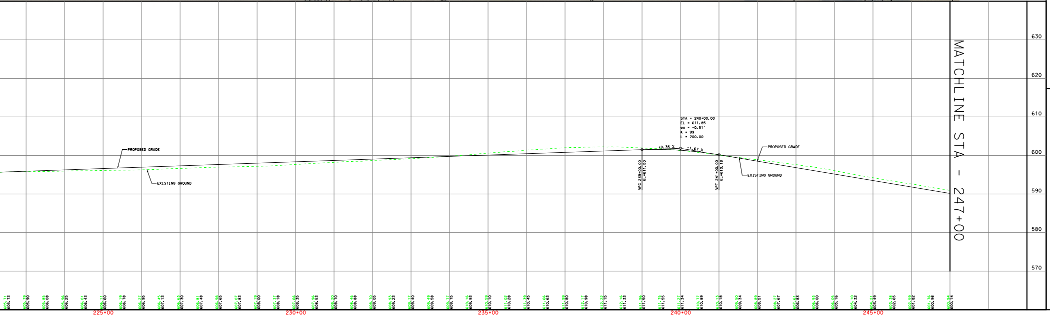

Texas Department of Transportation®

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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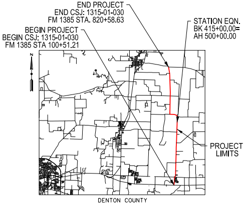

END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 820+58.63
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+51.21
STATION EQN.
BK 415+00.00=
AH 500+00.00
PROJECT LIMITS
N

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)

DATE SUBMITTED
9/11/2020

DATE APPROVED

DATE REVISED

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 2 OF 9

Lina T. Ramey & Associates, Inc.
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Farmers Branch, Texas 75234
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