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

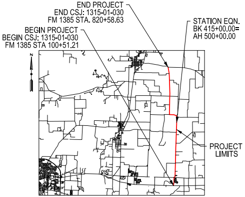
FUNCTIONAL CLASS: URBAN MAJOR COLLECTOR

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
N
PROJECT LIMITS

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 6 OF 9

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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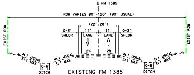
LEGEND:

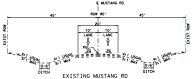
🟨	PROPOSED MAINLANES
▭	PROPOSED CROSS STREETS
🟪	PROPOSED DRIVEWAYS
▭	PROPOSED SIDEWALKS
🟧	PROPOSED BRIDGE STRUCTURES
▨	PAVEMENT REMOVAL
▨	DISPLACEMENTS
— · —	APPARENT EXISTING ROW
— · —	PROPOSED ROW
— · —	PROPOSED CENTERLINE/BASELINE
- - -	EXISTING EASEMENT
▭	100 YR FLOODPLAIN LIMITS
▨	FLOODWAY LIMITS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

NOTES:

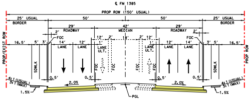
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON EXISTING PLANS AND AERIAL SURVEYS DATED APRIL 2020 AND RECORD PLANS
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION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


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

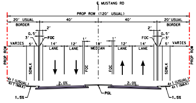
EXISTING FM 1385
TYPICAL SECTION


℄ MUSTANG RD
45'
ROW 90'
45'
20'
10' LANE
10' LANE
PGL
2%
EXIST ROW
4:1 USUAL
3:1 MAX
0-6'
DITCH

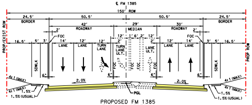
EXISTING MUSTANG RD
TYPICAL SECTION


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

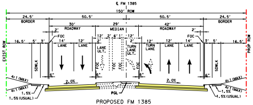
PROPOSED FM 1385
TYPICAL SECTION
STA 558+00 TO 635+00


℄ MUSTANG RD
PROP ROW (120' USUAL)
20' USUAL BORDER
40'
40'
20'USUAL BORDER
VARIES
14' LANE
12' LANE
18' MEDIAN
FOC
SDWLK
2.0%
PGL
1.5%
PROP ROW

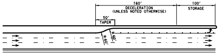
PROPOSED MUSTANG RD
TYPICAL SECTION


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

PROPOSED FM 1385
TYPICAL SECTION
STA 560+82 TO 565+27
STA 575+20 TO 579+65
STA 602+94 TO 607+39
STA 614+55 TO 619+00
STA 625+79 TO 630+24

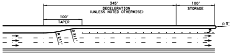

℄ FM 1385
150' ROW
24.5' BORDER
50.5'
50.5'
24.5' BORDER
30' ROADWAY
29' MEDIAN
42' ROADWAY
16.5'
14' LANE
12' LANE
TURN LANE
LANE ULT.
FOC
SDWLK
6"
2.0%
PGL
4:1 (MAX)
1.5% (USUAL)
EXIST ROW
PROP ROW

PROPOSED FM 1385
TYPICAL SECTION
STA 568+71 TO 573+16
STA 585+91 TO 590+36
STA 591+68 TO 596+13
STA 597+19 TO 601+64
STA 608+80 TO 613+25
STA 619+80 TO 624+25
STA 632+36 TO 636+81


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

TYPICAL LEFT-TURN BAY DETAILS (30 MPH)

N.T.S


345'
DECELERATION
(UNLESS NOTED OTHERWISE)
100'
STORAGE
100'
TAPER
R 3'
R 21'

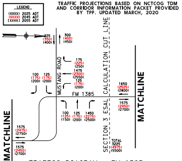
TYPICAL LEFT-TURN BAY DETAILS (45 MPH)

N.T.S

CURVE DATA TABLE

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADUIS	PI STA	PC STA	PT STA
FM1385-102	60° 27' 17.69" (RT)	4° 46' 28.73"	699.19'	1,266.16	1200	563+37.48	556+38.29	569+04.46
FM1385-103	16° 20' 27.32" (LT)	3° 49' 10.99"	215.36'	427.80	1500'	579+42.39	577+27.02	581+54.83
FM1385-104	15° 46' 19.65" (RT)	3° 49' 10.99"	207.77'	412.91'	1500'	585+70.37	583+62.60	587+75.51
FM1385-105	0° 19' 00.00" (LT)	0° 17' 11.32"	55.27'	110.54'	20000'	624+27.73	623+72.46	624+83.00
PRMUST3-1	8° 59' 04.76" (LT)	5° 27' 24.27"	82.50'	164.65'	1050'	103+82.50	103+00.00	104+64.65
PRMUST3-2	9° 02' 01.75" (RT)	5° 27' 24.27"	82.95'	165.55'	1050'	105+47.60	104+64.65	106+30.21
PRMUST3-3	8° 51' 25.88" (RT)	5° 27' 24.27"	81.32'	162.32'	1050'	112+31.63	111+50.30	113+12.62
PRMUST3-4	8° 54' 22.87" (LT)	5° 27' 24.27"	81.77'	163.22'	1050'	113+94.39	113+12.62	114+75.84

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

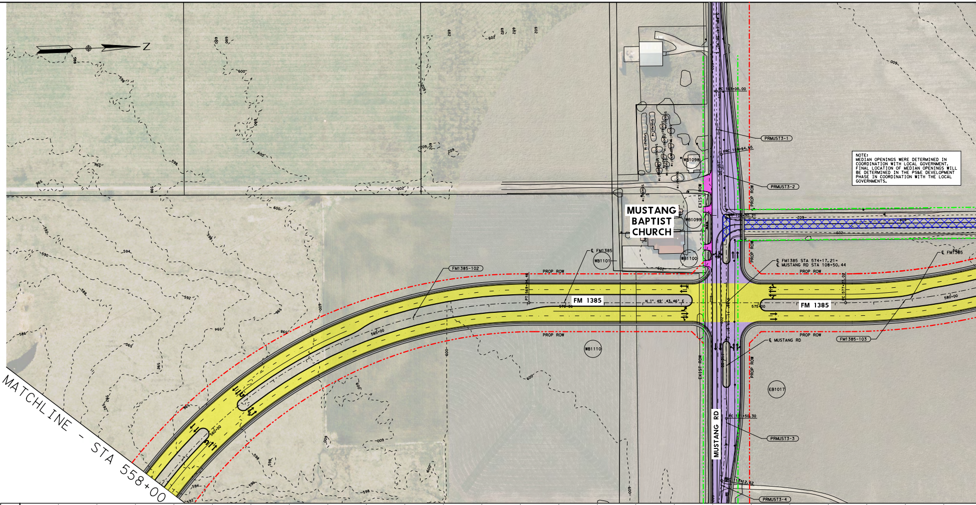

LEGEND
(XXXX) 2025 ADT
(XXXX) 2045 ADT
(XXXX) 2055 ADT
225
(350)
(400)
300
(400)
(450)
MUSTANG ROAD
175
(225)
(250)
1475
(2300)
(2550)
125
(175)
(200)
100
(175)
(200)
125
(175)
(200)
FM 1385
100
(125)
(150)
125
(175)
(200)
1450
(2275)
(2500)
SECTION 3 ESAL CALCULATION CUT LINE
1650
(2525)
(2800)
1575
(2450)
(2700)
TOTAL
3225
(4975)
(5500)
1575
(2475)
(2750)
1575
(2450)
(2700)
MATCHLINE
MATCHLINE

TRAFFIC DIAGRAM - FM 1385

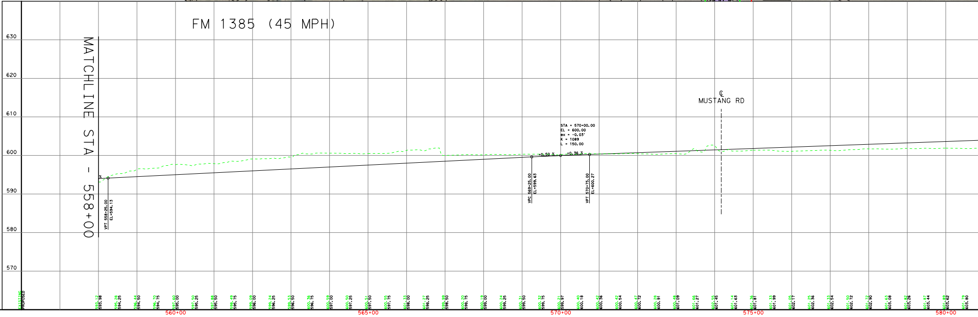
N.T.S.

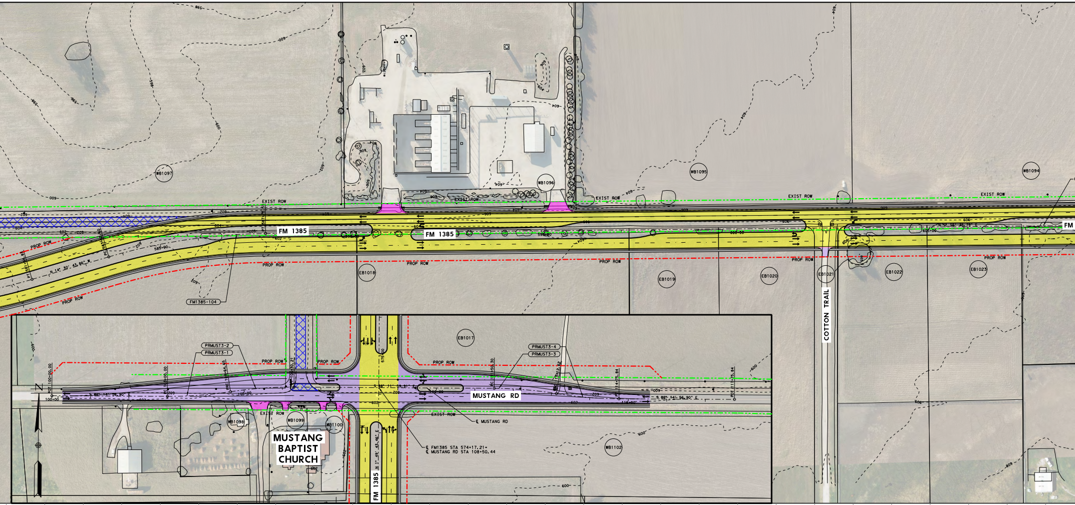
PROP ID	NAME	MAILING ADDRESS
EB1017	GARDINER, ANDREW M & SHANNON	1101 DOUBLE B TRL
EB1018	GARDINER, ANDREW MAXWELL	1101 DOUBLE B TRL
EB1019	BROOKS, GERALD W	4300 COTTON GIN RD APT 201
EB1020	BROOKS, GERALD W	4300 COTTON GIN RD APT 201
EB1021	MCCUTCHIN, BENJAMIN C	PO BOX 802043
EB1022	SCOTT, JACQUELINE ANN TR OF JACQUELINE ANN SAVINO REV LIVING TRUST	13465 COTTON TRL
EB1023	SCOTT, JACQUELINE ANN TR OF JACQUELINE ANN SAVINO REV LIVING TRUST	13465 COTTON TRL TX 76258-7696
EB1024	PHAM, HOA & TRAN,UYEN	717 BEAVER CREEK DR
EB1025	HOELZEL, TIMOTHY SHAWN	PO BOX 631
EB1026	GENE MCCUTCHIN LTD III	PO BOX 802043
EB1027	ALEXANDER, MICHAEL & JACQUELYN	PO BOX 423
WB1091	SHEARER, LOWELL T TR W/LIFE ESTATE OF SHEARER LIVING TRUST	9943 FM 1385
WB1092	WILKINSON, PAUL VINCENT	1200 EDGEWOOD LN
WB1093	WILKINSON, MATTHEW JOHN	217 PEMBROOK ST
WB1094	WILKINSON, DANIEL CRAIG	7012 FM 2450
WB1095	BRAZOS ELEC POWER COOP INC	16410 N Eldridge Pkwy
WB1096	ATMOS ENERGY CORPORATION	PO BOX 650205
WB1097	MOORE, G A JR & LOIS A	13007 MUSTANG RD
WB1099	MUSTANG BAPTIST CHURCH	13335 MUSTANG RD
WB1100	MUSTANG BAPTIST CHURCH	13335 MUSTANG RD
WB1101	MOORE, GARY & WELDON PRICE(TR) FOR MUSTANG BAPTIST CHURCH	13335 MUSTANG RD
WB1110	PEMMASANI INTERESTS LLC	9111 CYPRESS WATERS BLVD STE 300

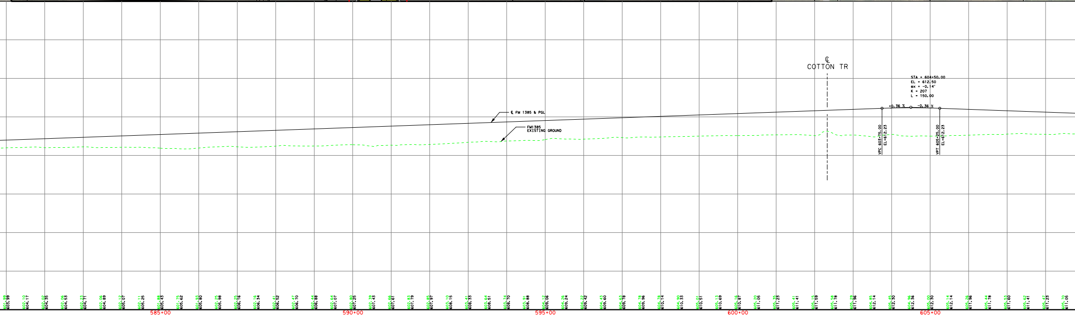
PRELIMINARY
NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES

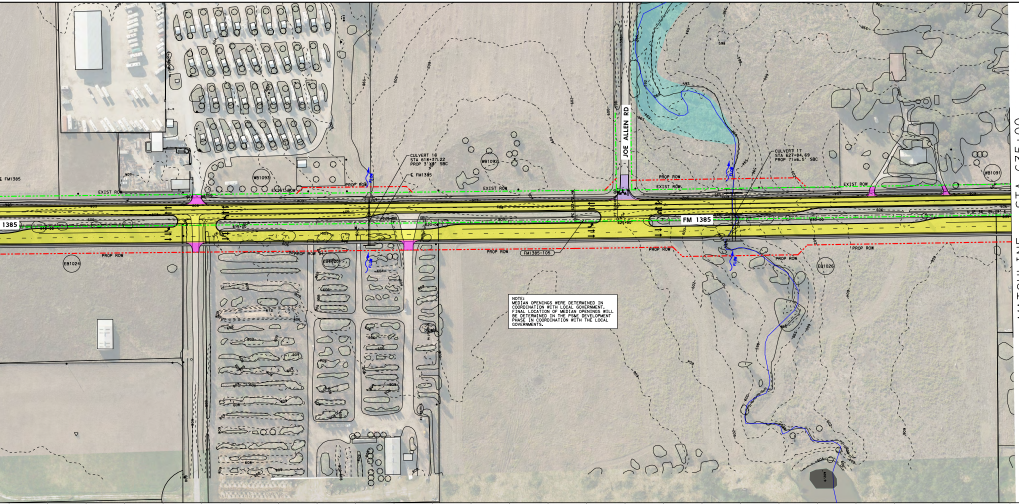

Z
MATCHLINE - STA 558+00
MUSTANG BAPTIST CHURCH
MUSTANG RD
FM 1385
FM1385-102
FM1385-103
PRMUST3-1
PRMUST3-2
PRMUST3-3
PRMUST3-4
PROP ROW
EXIST ROW
℄ FM1385
℄ FM1385 STA 574+17.21=
℄ MUSTANG RD STA 108+50.44
℄ MUSTANG RD
N 1° 49' 43.46" E
PT 569+94.40
PC 577+27.02
PC 105+00.00
PRC 106+64.65
PC 111+50.30
575+00
580+00
565+00
560+00
WB1098
WB1099
WB1100
WB1101
WB1110
EB1017
600
602
598
596
594
592
590
588
586

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.

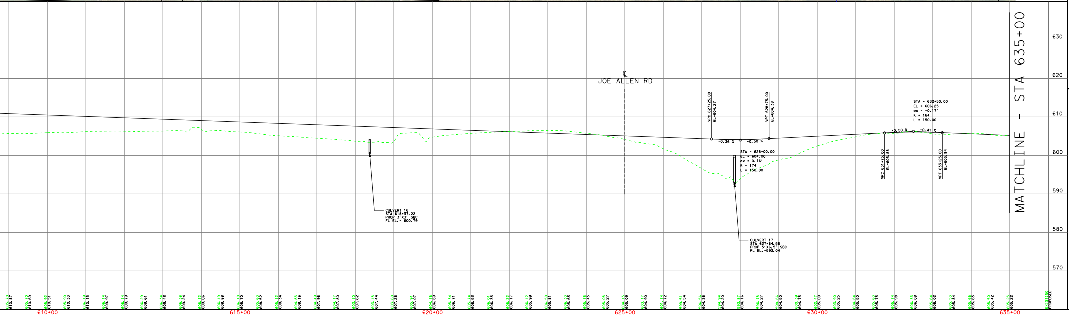



FM 1385
FM 1385
EXIST ROW
PROP ROW
FM1385-104
WB1097
WB1096
WB1095
WB1094
EB1018
EB1019
EB1020
EB1021
EB1022
EB1023
COTTON TRAIL
FM
EB1017
PRMUST3-2
PRMUST3-1
PRMUST3-4
PRMUST3-3
MUSTANG RD
WB1098
WB1099
WB1100
WB1102
MUSTANG BAPTIST CHURCH
℄ MUSTANG RD
℄ FM1385 STA 574+17.21=
℄ MUSTANG RD STA 108+50.44
N 1° 49' 43.46" E
S 88° 31' 59.91" E
N 14° 30' 43.86" W
FM 1385
N


℄
COTTON TR
STA = 604+50.00
EL = 612.50
ex = -0.14'
K = 207
L = 150.00
+0.36 %
-0.36 %
VPC 603+75.00
EL=612.23
VPT 605+25.00
EL=612.23
℄ FM 1385 & PGL
FM1385
EXISTING GROUND
585+00
590+00
595+00
600+00
605+00


CULVERT 16
STA 618+37.22
PROP 3'X3' SBC
℄ FM1385
CULVERT 17
STA 627+84.69
PROP 7'x6.5' SBC
JOE ALLEN RD
FM 1385
EXIST ROW
PROP ROW
FM1385-105
WB1093
WB1092
WB1091
EB1024
EB1026
FLOW
MATCHLINE - STA 635+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.



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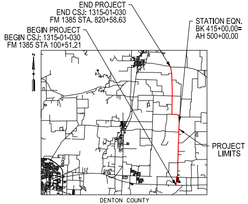
END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 820+58.63
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+51.21
STATION EQN.
BK 415+00.00=
AH 500+00.00
PROJECT LIMITS
N

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 6 OF 9

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

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

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