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

PROJECT LENGTH: 12.01 MILES

DESIGN SPEED:

45 MPH = FM 1385

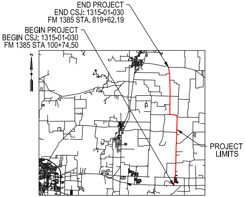
45 MPH = FM 455
30 MPH = FISHTRAP RD
45 MPH = GEE RD
30 MPH = PARVIN RD
45 MPH = FM 428 EAST
*30 MPH = ALL CONNCETIONS TO EXIST CROSS ST

45 MPH = FM 428 WEST
45 MPH = OLD FM 1385
45 MPH = MUSTANG RD
45 MPH = FRIENDSHIP RD
30 MPH = LIGHTS RANCH RD
30 MPH = STRITTMATTER RD

* MEETS OR EXCEEDS EXISTING CONDITIONS

INDEX OF SHEETS:

ROLL 1: US 380 TO UNION PARK BLVD - STA 100+74.50 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 FM 428 EAST - STA 245+00 TO STA 322+00
ROLL 4: FM 428 EAST 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 557+00
ROLL 6: MUSTAND CREEK TO NORTH OF JOE ALLEN RD - STA 557+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 819+62.19


END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 819+62.19
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+74.50
N
PROJECT LIMITS

DENTON COUNTY

LOCATION MAP

N.T.S.

DECEMBER 2021

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
12/10/2021

DATE APPROVED

DATE REVISED

PRELIMINARY
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION. Prepared by or under the Direct Supervision of
HOWARD C. GIBBS III, P.E. 100239
12/10/2021

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

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TIMOTHY M. NESBITT, P.E. 66648
12/10/2021

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
⌒	PROPOSED RETAINING WALL
- · -	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 (8") (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 BEFORE INTERSECTIONS ARE CONSTRUCTED TO JUSTIFY THE INSTALLATION OF TRAFFIC SIGNALS.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (AUGUST 2020).
14. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL DESIGN PHASE (PS&E).
15. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.

UTILITY LEGEND

— — T1 — —	TELEPHONE ATT
----T1 (D)-------T1 (D)----	TELEPHONE ATT
— — T2 — —	TELEPHONE FRONTIER (VERIZON)
----T2 (D)-------T2 (D)----	TELEPHONE FRONTIER (VERIZON)
------ T-DUCT1 (D) -------	T-DUCT ATT
— — FOC1 — —	FIBER OPTIC ATT
--FOC1 (D)-------FOC1 (D)--	FIBER OPTIC ATT
— — FOC3 — —	FIBER OPTIC NORTEX COMMUNICATIONS
— — FOC4 — —	FIBER OPTIC GRANDE
--FOC4 (D)-------FOC4 (D)--	FIBER OPTIC GRANDE
— — FOC5 — —	FIBER OPTIC SUDDENLINK
— — FOC6 — —	FIBER OPTIC ZAYO
— — FOC7 — —	FIBER OPTIC SPECTRUM
— — FOC8 — —	FIBER OPTIC UPPER TRINITY REGIONAL WATER DISTRICT
— — E1 — —	ELECTRIC COSERV
--- E1 (D) ------- E1 (D) --	ELECTRIC COSERV
------- FM1 (D) -------	FORCE MAIN MUSTANG SUD
— — G1 — —	GAS ATMOS
— — G2 — —	GAS COSERV
- G2 (D) ------- G2 (D) ----	GAS COSERV
— — PL1 — —	PIPELINE ATMOS
--PL1 (D)-------PL1 (D)--	PIPELINE ATMOS
— — PL3 — —	PIPELINE ENERGY TRANSFER
-PL5 (D)-------PL5 (D)--	PIPELINE ENTERPRISE
— — SD1 — —	STORM SEWER TXDOT
- SD1 (D) ------- SD1 (D) -	STORM SEWER TXDOT
— — W1 — —	WATER TOWN OF PROSPER
-- W1 (D)-------W1 (D)----	WATER TOWN OF PROSPER
-- W2 (D)-------W2 (D)---	WATER MUSTANG SUD
— — W3 — —	WATER UPPER TRINITY REGIONAL WATER DISTRICT
---- W3 (D)-------W3 (D)--	WATER UPPER TRINITY REGIONAL WATER DISTRICT
- W4 (D)-------W4 (D)-----	WATER ARCADIA WATER
— — OH — —	(SEE OVERHEAD LEGEND)

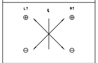
OVERHEAD LEGEND		
1	COSERV	ELECTRIC
2	ATT	COMMUNICATION
3	FRONTIER	COMMUNICATION
4	GRANDE	COMMUNICATION
5	SUDDENLINK	COMMUNICATION

UTILITY NOTE:
ALL UTITITIES SHOWN ARE LEVEL "B" WHICH WERE ARRIVED AT USING GEOPHYSICAL EQUIPMENT UNLESS NOTED. LEVEL "D" UTILITIES ARE DERIVED FROM FURNISHED RECORDS.

CROSS SLOPE TRANSITIONS

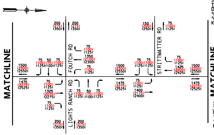
CHAIN ID.	LEFT		RIGHT		TRANSITION LENGTH
	STA	e	STA	e	
FM 1385	749+40.00	-2.00%	749+40.00	-2.00%	100'
	750+40.00	-0.50%	750+40.00	-0.50%	
	752+20.00	-0.50%	752+20.00	-0.50%	100'
	753+20.00	-2.00%	753+20.00	-2.00%	
	784+45.00	-2.00%	784+45.00	-2.00%	75'
	785+20.00	-1.00%	785+20.00	-1.00%	
	786+50.00	-1.00%	786+50.00	-1.00%	75'
	787+25.00	-2.00%	787+25.00	-2.00%	
LIGHTS RANCH RD	102+85.00	0.35%	102+85.00	-0.35%	100'
	103+85.00	-2.00%	103+85.00	-2.00%	
STRITTMATTER RD	100+00.00	-2.00%	100+00.00	-2.00%	100'
	101+00.00	-0.36%	101+00.00	0.36%	

RDWY X-SLOPE



LEGEND
(XXXX) 2025 ADT
[XXXX] 2045 ADT
[XXXX] 2055 ADT

SOURCE: TXDOT TRANSPORTATION PLANNING AND PROGRAM DIVISION MEMORANDUM. MARCH 31.2020

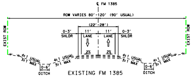

MATCHLINE
FOUTCH RD
LIGHTS RANCH RD
STRITTMATTER RD
MATCHLINE

SECTION 1 - US 380 TO FM 428 WEST
DIR DIST %=63-37
% TRUCKS ADT=5.5
% TRUCKS DHV=4.1
K FACTOR=11.1

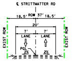
SECTION 2 - FM 428 WEST TO FM 455
DIR DIST %=63-37
% TRUCKS ADT=12.0
% TRUCKS DHV=9.0
K FACTOR=11.1

TRAFFIC DIAGRAM - FM 1385
N.T.S.

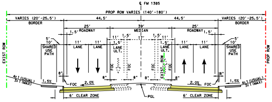
PRELIMINARY
NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES


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

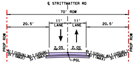
EXISTING FM 1385
TYPICAL SECTION
STA 713+00.00 TO 791+00.00


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

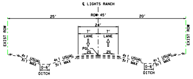
EXISTING STRITTMATTER RD
TYPICAL SECTION
STA 100+00.00 TO STA 101+21.00


℄ FM 1385
PROP ROW VARIES (140'-180')
VARIES (20'-25.5') BORDER
44.5'
39' MEDIAN
44.5'
25' ROADWAY
25' ROADWAY
10' SHARED USE PATH
11' LANE
11' LANE
LANE ULT.
FOC
8"
1.5%
2.0%
6' CLEAR ZONE
PGL
EXIST ROW
PROP ROW

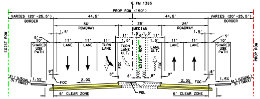
PROPOSED FM 1385
TYPICAL SECTION
STA 713+00.00 TO 745+88.12
STA 756+65.50 TO 780+49.77
STA 786+33.80 TO 791+00.00


℄ STRITTMATTER RD
70' ROW
20.5'
11' LANE
11' LANE
20.5'
2.0%
2.0%
PGL
PROP ROW
4:1 (USUAL) 3:1 (MAX)

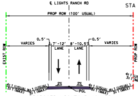
PROPOSED STRITTMATTER RD
TYPICAL SECTION
STA. 100+00 TO 101+21


℄ LIGHTS RANCH
ROW 45'
25'
20'
24'
7' LANE
7' LANE
PGL
2%
2%
EXIST ROW
0-6' DITCH
4:1 USUAL 3:1 MAX

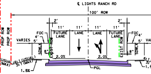
EXISTING LIGHT RANCH
TYPICAL SECTION
STA STA 100+80.00 TO 105+25.00


℄ FM 1385
PROP ROW (150')
VARIES (20'-25.5') BORDER
44.5'
36' ROADWAY
28' MEDIAN
25' ROADWAY
10' SHARED USE PATH
11' LANE
TURN LANE
LANE ULT.
1.5%
2.0%
6' CLEAR ZONE
PGL
EXIST ROW
PROP ROW

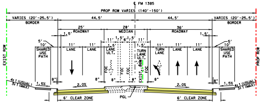
PROPOSED FM 1385
TYPICAL SECTION
STA 752+06.80 TO 756+65.50


℄ LIGHTS RANCH RD
PROP ROW (100' USUAL)
VARIES
7'-12'
8'-10.5'
VARIES
LANE
LANE
2%
2%
PROP ROW
4:1 (USUAL) 3:1 (MAX)

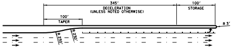
PROPOSED LIGHTS RANCH RD
TYPICAL SECTION
STA 100+80 to 103+25


℄ LIGHTS RANCH RD
100' ROW
FUTURE LANE
LANE
LANE
FUTURE LANE
2.0%
2.0%
PGL
SDWLK
PROP ROW
VARIES

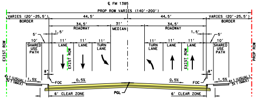
PROPOSED LIGHTS RANCH RD
TYPICAL SECTION
STA 103+25 to 105+25


℄ FM 1385
PROP ROW VARIES (140'-150')
VARIES (20'-25.5') BORDER
44.5'
25' ROADWAY
28' MEDIAN
36' ROADWAY
10' SHARED USE PATH
11' LANE
LANE ULT.
TURN LANE
1.5%
2.0%
6' CLEAR ZONE
PGL
EXIST ROW
PROP ROW

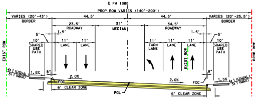
PROPOSED FM 1385
TYPICAL SECTION
STA 745+88.12 TO 750+46.80
STA 780+49.77 TO 785+08.67


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

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


℄ FM 1385
PROP ROW VARIES (140'-200')
VARIES (20'-25.5') BORDER
44.5'
34.5' ROADWAY
31' MEDIAN
34.5' ROADWAY
10' SHARED USE PATH
11' LANE
TURN LANE
0.5%
0.5%
FOC
6' CLEAR ZONE
PGL
EXIST ROW
PROP ROW

PROPOSED FM 1385
TYPICAL SECTION
STA 750+46.80 TO 752+06.80


℄ FM 1385
PROP ROW VARIES (140'-200')
VARIES (20'-43') BORDER
44.5'
23.5' ROADWAY
31' MEDIAN
34.5' ROADWAY
10' SHARED USE PATH
11' LANE
TURN LANE
2.0%
2.0%
6' CLEAR ZONE
PGL
EXIST ROW
PROP ROW

PROPOSED FM 1385
TYPICAL SECTION
STA 785+08.67 TO 786+33.80

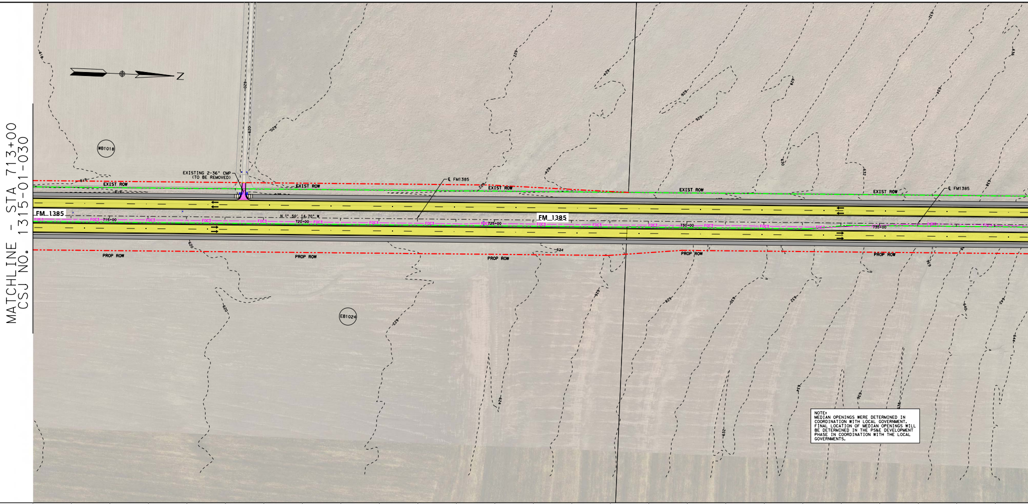
PROP ID	PROPERTY OWNERS' NAME
EB1024	ELAND FARMS LP
EB1025	L1719 LLC
WB1018	GENE MCCUTCHIN LTD III
WB1019	ANSELMI, MICHAEL F & DEBORAH
WB1020	KANDI, SANTOSH & KODUGANTI, SIRISHA & PULLABHOTLA, PRASAD S & ANUPAMA
WB1021	TUPY, MILTON R
WB1022	GABY, CRAIG & MARLA JEAN
WB1023	CAMPBELL, GUY & DI-ANN
WB1024	PARKER, JAMES T & MERIDITH D
WB1025	VICKERS, MARK E & MARY E
WB1026	CARAVELLA, MICHAEL & TIFFANY
WB1027	MILLER, CYNTHIA M
WB1028	MEXIA, STEPHANIE DIANE
WB1029	SWEARENGIN, CURTIS W & CEDANO, CESAR HEREDIA
WB1030	SHAW, ANDREW K & CHLADEK, MARISSA G

HORIZONTAL CURVE DATA TABLE

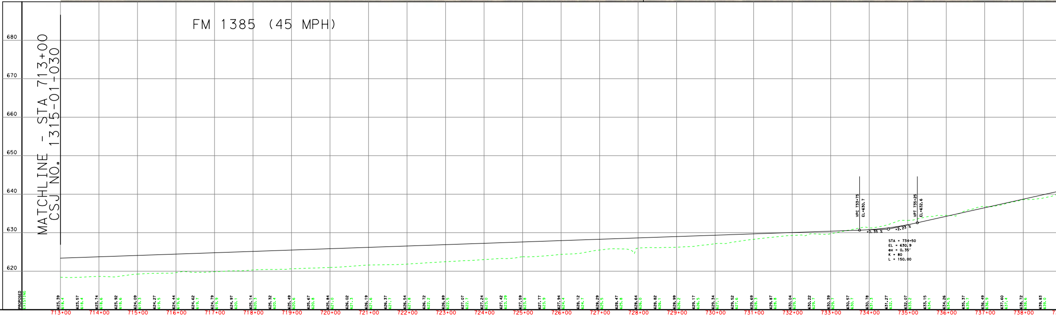
CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADUIS	PI STA	PC STA	PT STA
FM1385-111	7° 37' 23.14" (LT)	3° 49' 10.99"	99.93	199.57	1500'	784+41.92	783+41.99	785+41.56
STRITTMATTER1	1° 08' 22.48" (RT)	1° 08' 45.30"	49.73	99.45	5000'	97+06.94	96+57.22	97+56.66

HORIZONTAL ALIGNMENT DATA

CHAIN NO.	POT STA	POT-NORTHING	POT-EASTING	BEARING	POT STA	POT-NORTHING	POT-EASTING
FM1385 (PI)	751+62.41	7,186,082.06	2,456,660.21	N 1° 46' 16.56" W	--	--	--
LIGHTSRANCH	99+00.00	7,186,053.63	2,456,358.80	S 89° 54' 59.83" E	--	--	--
LIGHTSRANCH	--	--	--	--	106+00.00	7,186,052.61	2,457,058.80
STRITTMATTER	99+00.00	7,189,503.16	2,456,236.93	S 89° 14' 38.12" E	--	--	--


MATCHLINE - STA 713+00
CSJ NO. 1315-01-030
N
WB1018
EB1024
EXISTING 2-36" CMP
(TO BE REMOVED)
EXIST ROW
PROP ROW
℄ FM1385
FM 1385
FOC3
N 1° 50' 14.70" W
715+00
720+00
725+00
730+00
735+00
620
624
626
628
630
632
634
636
638
640

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
CSJ NO. 1315-01-030
680
670
660
650
640
630
620
VPC 733+75
EL=630.7
VPT 735+25
EL=632.6
+0.35 %
+2.23 %
STA = 734+50
EL = 630.9
ex = 0.35'
K = 80
L = 150.00
PROPOSED
EXISTING
713+00
714+00
715+00
716+00
717+00
718+00
719+00
720+00
721+00
722+00
723+00
724+00
725+00
726+00
727+00
728+00
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733+00
734+00
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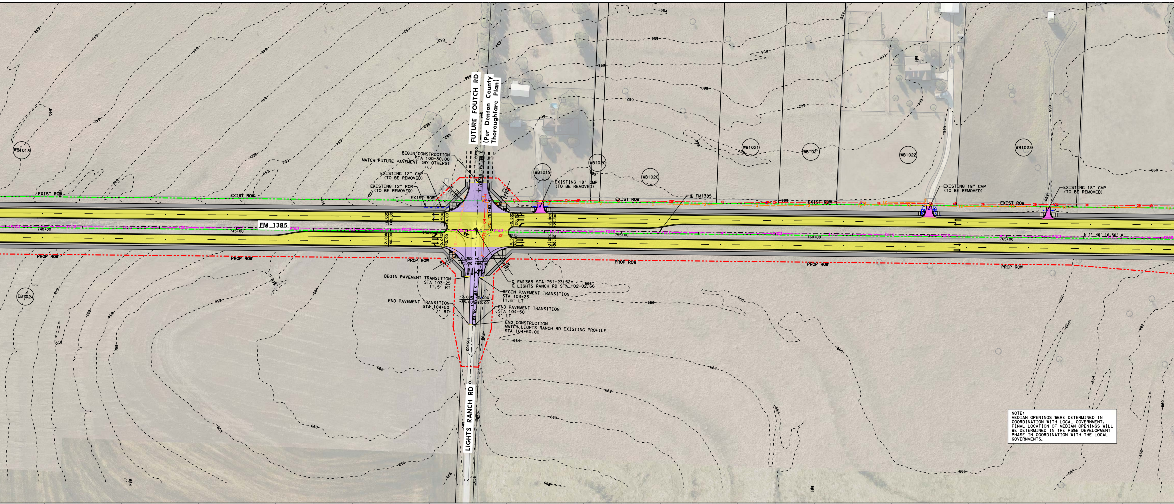
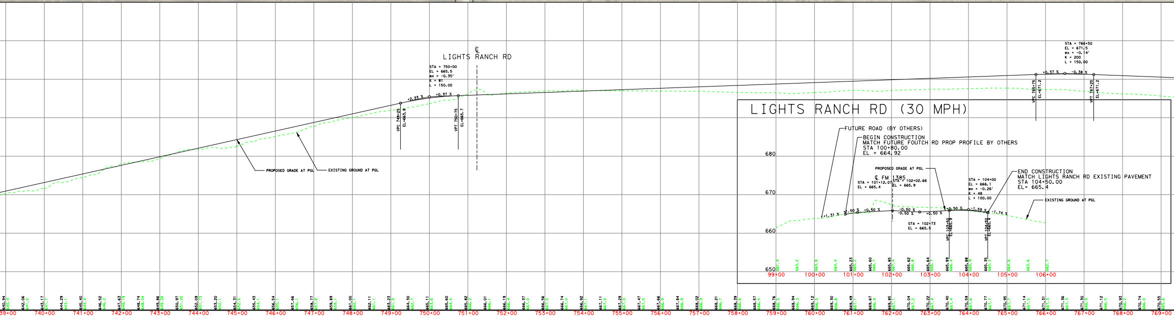
736+00
737+00
738+00


FUTURE FOUTCH RD
(Per Denton County Thoroughfare Plan)
BEGIN CONSTRUCTION
STA 100+80.00
MATCH FUTURE PAVEMENT (BY OTHERS)
EXISTING 12" CMP
(TO BE REMOVED)
EXISTING 12" RCP
(TO BE REMOVED)
EXISTING 18" CMP
(TO BE REMOVED)
EXIST ROW
PROP ROW
FM 1385
℄ FM1385
WB1018
WB1019
WB1020
WB1021
WB1022
WB1023
EB1024
740+00
745+00
755+00
760+00
765+00
N 1° 46' 16.56" W
R 75' (TYP)
-2.00%
+40.00
-0.50%
+20.00
-0.35%
+85.00
℄ FM1385 STA 751+23.52=
℄ LIGHTS RANCH RD STA 102+02.66
BEGIN PAVEMENT TRANSITION
STA 103+25
11.5' RT
BEGIN PAVEMENT TRANSITION
STA 103+25
11.5' LT
END PAVEMENT TRANSITION
STA 104+50
7' RT
END PAVEMENT TRANSITION
STA 104+50
7' LT
END CONSTRUCTION
MATCH LIGHTS RANCH RD EXISTING PROFILE
STA 104+50.00
LIGHTS RANCH RD
105+00
OH
FOC5
654
656
658
660
662
664
666

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 = 750+00
EL = 665.5
ex = -0.35'
K = 81
L = 150.00
+2.23 %
+0.37 %
VPC 749+25
EL=663.8
VPT 750+75
EL=665.7
PROPOSED GRADE AT PGL
EXISTING GROUND AT PGL
STA = 766+50
EL = 671.5
ex = -0.14'
K = 200
L = 150.00
+0.37 %
-0.38 %
VPC 765+75
EL=671.2
VPT 767+25
EL=671.2
LIGHTS RANCH RD (30 MPH)
FUTURE ROAD (BY OTHERS)
BEGIN CONSTRUCTION
MATCH FUTURE FOUTCH RD PROP PROFILE BY OTHERS
STA 100+80.00
EL = 664.92
PROPOSED GRADE AT PGL
℄ FM 1385
STA = 101+12.07
EL = 665.4
STA = 102+02.66
EL = 665.9
STA = 102+73
EL = 665.5
STA = 104+00
EL = 666.1
ex = -0.26'
K = 48
L = 100.00
END CONSTRUCTION
MATCH LIGHTS RANCH RD EXISTING PAVEMENT
STA 104+50.00
EL= 665.4
EXISTING GROUND AT PGL
+1.31 %
+1.50 %
+0.50 %
-0.50 %
+0.50 %
-1.59 %
-1.74 %
VPC 103+50
EL=665.9
VPT 104+50
EL=665.4
680
670
660
650
99+00
100+00
101+00
102+00
103+00
104+00
105+00
106+00
739+00
740+00
741+00
742+00
743+00
744+00
745+00
746+00
747+00
748+00
749+00
750+00
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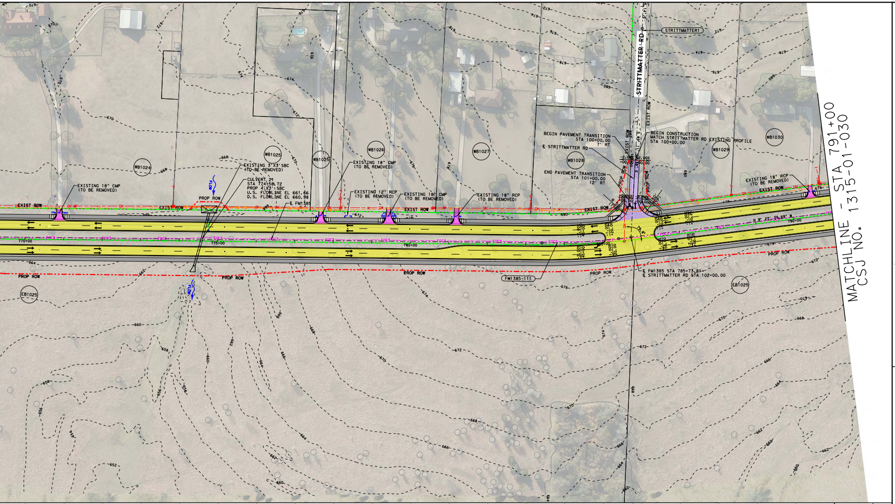
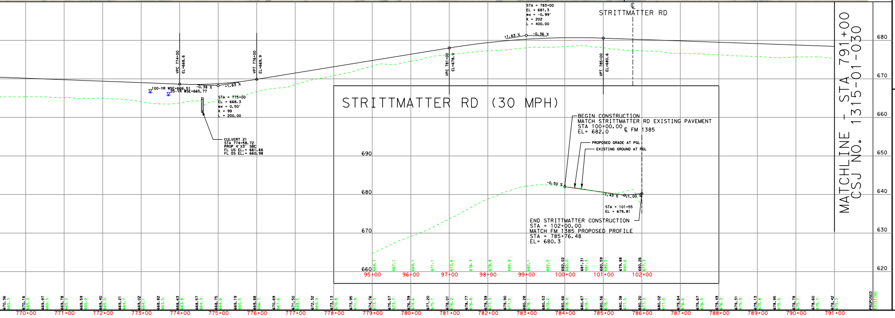
766+00
767+00
768+00
769+00


STRITTMATTER RD
STRITTMATTER1
EXIST ROW
PROP ROW
BEGIN PAVEMENT TRANSITION STA 100+00.00 7' RT
℄ STRITTMATTER RD
END PAVEMENT TRANSITION STA 101+00.00 12' RT
BEGIN CONSTRUCTION MATCH STRITTMATTER RD EXISTING PROFILE STA 100+00.00
℄ FM1385 STA 785+73.81
℄ STRITTMATTER RD STA 102+00.00
N 9° 23' 39.69" W
EXISTING 18" CMP (TO BE REMOVED)
EXISTING 3'X3' SBC (TO BE REMOVED)
CULVERT 21 STA 774+58.72 PROP 4'X3' SBC U.S. FLOWLINE EL 661.66 D.S. FLOWLINE EL 660.98
EXISTING 12" RCP (TO BE REMOVED)
EXISTING 18" RCP (TO BE REMOVED)
℄ FM1385
FM1385-111
FLOW
WB1024
WB1025
WB1026
WB1027
WB1028
WB1029
WB1030
EB1025
770+00
775+00
780+00
790+00
MATCHLINE - STA 791+00
CSJ NO. 1315-01-030


STRITTMATTER RD (30 MPH)
℄ STRITTMATTER RD
STA = 783+00 EL = 681.3 ex = -0.99' K = 202 L = 400.00
STA = 775+00 EL = 668.3 ex = 0.50' K = 99 L = 200.00
VPC 774+00 EL=668.6
VPT 776+00 EL=669.9
VPC 781+00 EL=678.0
VPT 785+00 EL=680.6
+1.63 %
-0.36 %
-0.38 %
100-YR WSE=666.51
25-YR WSE=665.77
CULVERT 21 STA 774+58.72 PROP 4'X3' SBC FL US EL.= 661.66 FL DS EL.= 660.98
BEGIN CONSTRUCTION MATCH STRITTMATTER RD EXISTING PAVEMENT STA 100+00.00 EL= 682.0
℄ FM 1385
PROPOSED GRADE AT PGL
EXISTING GROUND AT PGL
-0.50 %
-1.43 %
+1.00 %
STA = 101+55 EL = 679.81
END STRITTMATTER CONSTRUCTION STA = 102+00.00 MATCH FM 1385 PROPOSED PROFILE STA = 785+76.48 EL= 680.3
95+00
96+00
97+00
98+00
99+00
100+00
101+00
102+00
770+00
775+00
780+00
785+00
790+00
791+00
690
680
670
660
650
640
630
620
PROPOSED
EXISTING
MATCHLINE - STA 791+00
CSJ NO. 1315-01-030

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
PROJECT LENGTH: 12.01 MILES

DESIGN SPEED:

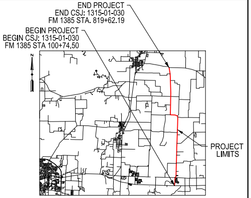
45 MPH = FM 1385

45 MPH = FM 455
30 MPH = FISHTRAP RD
45 MPH = GEE RD
30 MPH = PARVIN RD
45 MPH = FM 428 EAST
*30 MPH = ALL CONNCETIONS TO EXIST CROSS ST
45 MPH = FM 428 WEST
45 MPH = OLD FM 1385
45 MPH = MUSTANG RD
45 MPH = FRIENDSHIP RD
30 MPH = LIGHTS RANCH RD
30 MPH = STRITTMATTER RD

* MEETS OR EXCEEDS EXISTING CONDITIONS

INDEX OF SHEETS:

ROLL 1: US 380 TO UNION PARK BLVD - STA 100+74.50 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 FM 428 EAST - STA 245+00 TO STA 322+00
ROLL 4: FM 428 EAST 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 557+00
ROLL 6: MUSTAND CREEK TO NORTH OF JOE ALLEN RD - STA 557+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 819+62.19


END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 819+62.19
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+74.50
N
PROJECT LIMITS

DENTON COUNTY
LOCATION MAP
N.T.S.

DECEMBER 2021

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: 12/10/2021
DATE APPROVED:
DATE REVISED:

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ROLL 8 OF 9

LTRA
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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. 6881

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