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:

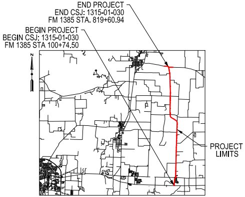
45 MPH = FM 1385

45 MPH = FM 455
30 MPH = FISHTRAP RD
45 MPH = GEE RD
30 MPH = PARVIN RD
45 MPH = FM 428 EAST
*30 MPH = ALL CONNECTIONS 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+60.94


END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 819+60.94
BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+74.50
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)

DATE SUBMITTED
12/10/2021

DATE APPROVED
04/28/2022

DATE REVISED
05/01/2023

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

ROLL 1 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
- PROPOSED RETAINING WALL
- PROPOSED NOISE 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:

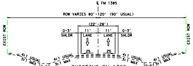
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON EXISTING PLANS AND AERIAL SURVEYS DATED APRIL 2020 AND RECORD PLANS
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION 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.
16. THE LOCATIONS OF THE PROPOSED NOISE BARRIERS ARE INCLUDED ON THE SCHEMATIC AND WILL BE FINALIZED AFTER A NOISE WORKSHOP HAS BEEN CONDUCTED.

UTILITY LEGEND

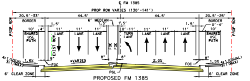
T1	TELEPHONE ATT
T1 (D)	TELEPHONE ATT
T2	TELEPHONE FRONTIER (VERIZON)
T2 (D)	TELEPHONE FRONTIER (VERIZON)
T-DUCT1 (D)	T-DUCT ATT
FOC1	FIBER OPTIC ATT
FOC1 (D)	FIBER OPTIC ATT
FOC3	FIBER OPTIC NORTEX COMMUNICATIONS
FOC4	FIBER OPTIC GRANDE
FOC4 (D)	FIBER OPTIC GRANDE
FOC5	FIBER OPTIC SUDDENLINK
FOC6	FIBER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

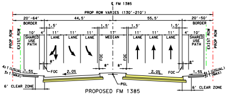

FM 1385
ROW VARIES 80'-120' (90' USUAL)
EXIST ROW
(22'-28')
SHLDR
LANE
DITCH
4:1 USUAL
3:1 MAX

EXISTING FM 1385
TYPICAL SECTION
STA 100+74.50 TO 170+00.00

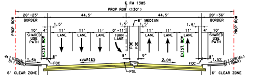

FM 1385
PROP ROW VARIES (130'-141')
BORDER
6' MEDIAN
SHARED USE PATH
LANE
TURN LANE
*VARIES
PGL
6' CLEAR ZONE

PROPOSED FM 1385
TYPICAL SECTION
STA 118+83.43 TO 120+51.31
STA 128+46.52 TO 132+43.51
STA 136+41.31 TO 140+81.76
STA 160+93.91 TO 164+62.03

* SEE CROSS SLOPE TRANSITION TABLE

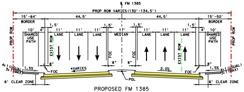

FM 1385
PROP ROW VARIES (130'-210')
BORDER
SHARED USE PATH
LANE
MEDIAN
PGL
6' CLEAR ZONE

PROPOSED FM 1385
TYPICAL SECTION
STA 101+07.31 TO 101+92.91


FM 1385
PROP ROW (130')
BORDER
6' MEDIAN
SHARED USE PATH
LANE
TURN LANE
*VARIES
PGL
6' CLEAR ZONE

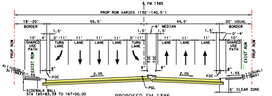
PROPOSED FM 1385
TYPICAL SECTION
STA 124+36.81 TO 128+46.52
STA 157+36.81 TO 160+93.91

* SEE CROSS SLOPE TRANSITION TABLE

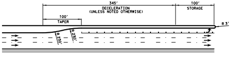

FM 1385
PROP ROW VARIES (130'-134.5')
BORDER
SHARED USE PATH
LANE
MEDIAN
*VARIES
PGL
6' CLEAR ZONE

PROPOSED FM 1385
TYPICAL SECTION
STA 106+12.51 TO 106+67.81
STA 116+43.75 TO 118+83.43
STA 133+68.51 TO 136+41.31
STA 152+72.42 TO 156+11.80
STA 170+30.03 TO 176+15.03

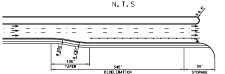
* SEE CROSS SLOPE TRANSITION TABLE


FM 1385
PROP ROW VARIES (130'-140.5')
BORDER
6' MEDIAN
SHARED USE PATH
TURN LANE
LANE
PGL
SIDEWALK WALL
STA 165+83.39 TO 167+00.00
6' CLEAR ZONE

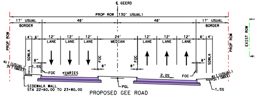
PROPOSED FM 1385
TYPICAL SECTION
STA 112+15.01 TO 117+71.51
STA 165+67.03 TO 170+30.03


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

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

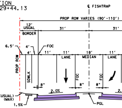

100'
TAPER
345'
DECELERATION
(UNLESS NOTED OTHERWISE)
30'
STORAGE

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


GEERD
PROP ROW (130' USUAL)
17' USUAL
BORDER
LANE
MEDIAN
FOC
*VARIES
PGL
SIDEWALK WALL
STA 22+60.00 TO 23+80.00

PROPOSED GEE ROAD
TYPICAL SECTION
STA 15+72.90 TO 29+44.13

* SEE CROSS SLOPE TRANSITION TABLE


FISHTRAP
PROP ROW VARIES (90'-110')
BORDER
LANE
MEDIAN
PGL

PROPOSED FISHTRAP ROA
TYPICAL SECTION
STA 15+74.30 TO 21+19.

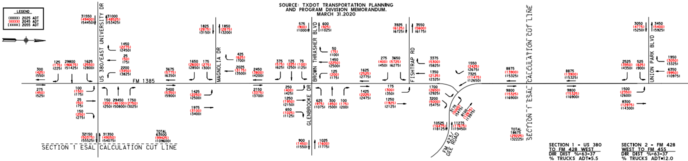
HORIZONTAL ALIGNMENT DATA

CHAIN NO.	POT STA	POT-NORTHING	POT-EASTING	BEARING	POT STA	POT-NORTHING	POT-EASTING
FM1385	100+20.36	7,131,419.42	2,458,739.79	N 5° 29' 37.13" E	--	--	--
FM1385	165+39.69	7,137,667.49	2,459,590.30	N 2° 01' 15.30" E	--	--	
FM1385	195+59.51	7,140,686.24	2,459,670.45	N 1° 31' 15.30" E	--	--	--
FM1385	237+82.50	7,144,907.71	2,459,783.08	N 1° 32' 17.20" E	--	--	--
FISHTRAP	10+00.00	7,135,619.44	2,458,292.85	S 89° 25' 49.18" E	--	--	--
	--	--	--	S 66° 05' 24.58" E	21+19.92	7,135,433.06	2,459,377.63
GEERD	10+00.00	7,135,506.37	2,461,571.22	N 88° 04' 32.11" W	--	--	--

HORIZONTAL CURVE DATA TABLE

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADUIS	PI STA	PC STA	PT STA
FM1385-1	3° 13' 30.43" (RT)	1° 15' 03.60"	128.94'	257.80'	4580.00'	107+95.89	106+66.96	109+24.76
FM1385-2	7° 09' 32.30" (LT)	5° 00' 14.39"	71.63'	143.07'	1145.00'	116+26.80	115+55.17	116+98.24
FM1385-3	29° 09' 38.15" (RT)	2° 51' 53.24"	520.23'	1017.90'	2000.00'	133+65.38	128+45.16	138+63.05
FM1385-4	6° 48' 38.00" (LT)	5° 09' 42.41"	66.05'	131.94'	1110.00'	140+20.18	139+54.13	140+86.07
FM1385-5	28° 39' 57.60" (RT)	5° 27' 24.27"	268.29'	525.33'	1050.00'	144+62.71	141+94.43	147+19.76
FM1385-6	39° 26' 42.28" (RT)	6° 01' 52.08"	340.57'	654.02'	950.00'	150+84.45	147+43.88	153+97.91
FISHTRAP-1	23° 20' 24.60" (RT)	11° 14' 04.08"	105.34'	207.76'	510.00'	16+79.64	15+74.30	17+82.06
GEERD-1	50° 39' 05.13" (RT)	6° 01' 52.08"	449.58'	839.83'	950.00'	25+53.88	21+04.30	29+44.13

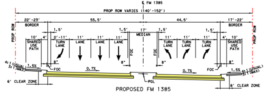
SOURCE: TXDOT TRANSPORTATION PLANNING AND PROGRAM DIVISION MEMORANDUM.
MARCH 31.2020


LEGEND
(XXXX) 2025 ADT
(XXXX) 2045 ADT
(XXXX) 2055 ADT
US 380/EAST UNIVERSITY DR
FM 1385
MAGNOLIA DR
BROWN THRASHER BLVD
GLENBROOKE DR
FISHTRAP RD
FM 423 / GEE ROAD
UNION PARK BLVD
SECTION 1 ESAL CALCULATION CUT LINE
SECTION 1 ESAL CALCULATION CUT LINE
TOTAL

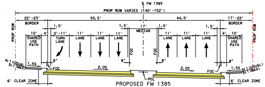
SECTION 1 - US 380 TO FM 428 WEST
DIR DIST %=63-37
% TRUCKS ADT=5.5
% TRUCKS DHV=4.1
K FACTOR=11.1

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

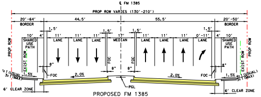
TRAFFIC DIAGRAM - FM 1385
N.T.S.


℄ FM 1385
PROP ROW VARIES (140'-152')
22'-23' BORDER
55.5'
44.5'
17'-22' BORDER
17' MEDIAN
10' SHARED USE PATH
TURN LANE
LANE
FOC
0.7%
1.5%
6' CLEAR ZONE
PGL
4:1 (USUAL) 3:1 (MAX)
PROP ROW

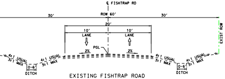
PROPOSED FM 1385
TYPICAL SECTION
STA 141+76.76 TO 146+69.56


℄ FM 1385
PROP ROW VARIES (140'-152')
22'-23' BORDER
55.5'
44.5'
17'-22' BORDER
17' MEDIAN
10' SHARED USE PATH
TURN LANE
LANE
FOC
2.0%
1.5%
6' CLEAR ZONE
PGL
4:1 (USUAL) 3:1 (MAX)
PROP ROW

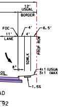
PROPOSED FM 1385
TYPICAL SECTION
STA 147+92.01 TO 152+72.42


℄ FM 1385
PROP ROW VARIES (130'-210')
20'-64' BORDER
44.5'
55.5'
20'-50' BORDER
17' MEDIAN
10' SHARED USE PATH
LANE
TURN LANE
FOC
2.0%
1.5%
6' CLEAR ZONE
PGL
EXIST ROW
PROP ROW
4:1 (USUAL) 3:1 (MAX)

PROPOSED FM 1385
TYPICAL SECTION
STA 101+92.91 TO 104+87.51


℄ FISHTRAP RD
ROW 60'
30'
30'
20'
10' LANE
10' LANE
PGL
2%
2%
4:1 USUAL 3:1 MAX
0-6'
DITCH
EXIST ROW

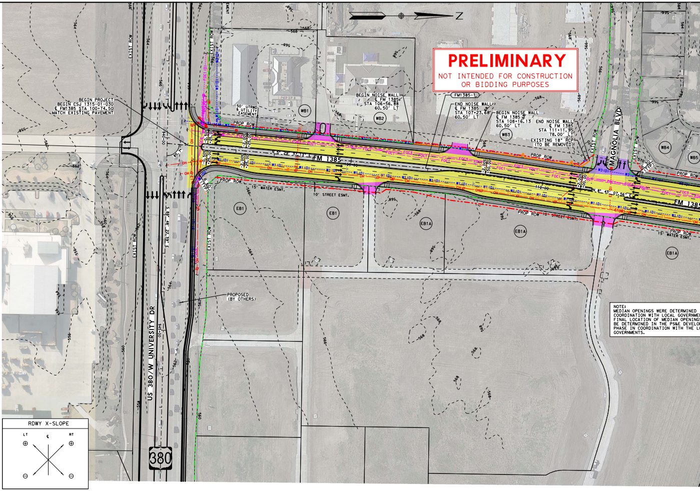
EXISTING FISHTRAP ROAD
TYPICAL SECTION
STA 15+74.30 TO 21+19.92


12' USUAL BORDER
FOC
6.5'
11' LANE
4'
SDWLK
PROP ROW
4:1 (USUAL) 3:1 (MAX)
1.5%
0%
AD
92

CROSS SLOPE TRANSITIONS					
CHAIN ID.	LEFT		RIGHT		TRANSITION LENGTH
	STA	e	STA	e	
FM 1385	101+25.00	-0.50%	101+25.00	-0.50%	100'
	102+25.00	-2.00%	102+25.00	-2.00%	
	108+50.00	-2.00%	---	---	250'
	111+00.00	2.00%	---	---	
	116+00.00	2.00%	---	---	250'
	118+50.00	-2.00%	---	---	
	138+80.00	-2.00%	138+80.00	-2.00%	170'
	140+50.00	0.70%	140+50.00	-0.70%	
	162+00.00	2.00%	---	---	250'
	164+50.00	-2.00%	---	---	
GEE RD	16+70.00	-2.00%	---	---	250'
	19+20.00	2.00%	---	---	
FISHTRAP RD	19+40.00	-2.00%	19+40.00	-2.00%	80'
	20+20.00	0.50%	20+20.00	-0.50%	

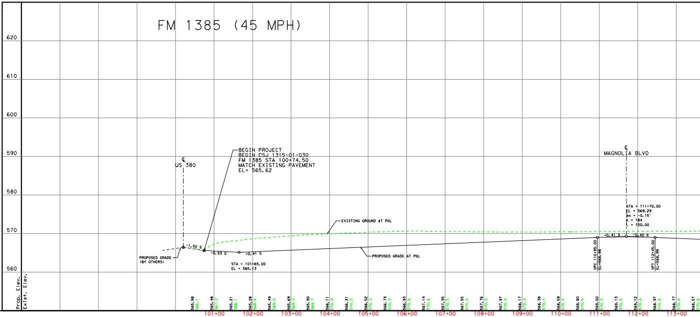
PROP ID	PROPERTY OWNERS' NAME
EB1	PROSPER 1385 INVESTMENTS LP
EB1A	1385 & 380 INVESTMENTS LP
EB43	HALIBUT LTD
EB44	GLENBROOKE ESTATES HOMEOWNERS ASSOCIATION INC
EB45	PROSPER, TOWN OF
EB46	THE PRESERVE AT DOE CREEK HOA
EB47	RED FISH BLUE FISH P/S FUND LTD
EB48	WEST PROSPER COMMERCIAL 39 LP
EB49	SMITH, MICHAEL P
EB50	LEIDECKER NOLES PROPERTIES LTD
EB51	RODRIGUEZ, JULIO
EB52	LEIDECKER PROPERTIES, LTD
EB52A	NORTH TEXAS CONFERENCE OF THE UNITED METHODIST CHURCH
EB79	MONK, LORENA & SHAYLIN
EB80	GLENBROOKE ESTATES HO ASSOC
WB1	BIG DIAMOND LLC
WB2	BLUESTONE SCHOOLS LLC
WB3	MEZZO OWNER LLC
WB16	DENTON CO FRESH WATER SUPPLY DIST 10
WB18	SMIRL, CLEO IRENE
WB19	SMIRL, WALTER E
WB20	ROLLINGHOUSE PROPERTIES LP
WB22	LOYD, MILDRED MAY
WB37	UNION PARK PHASE 3A LP
WB23	H4 LITTLE ELM LP

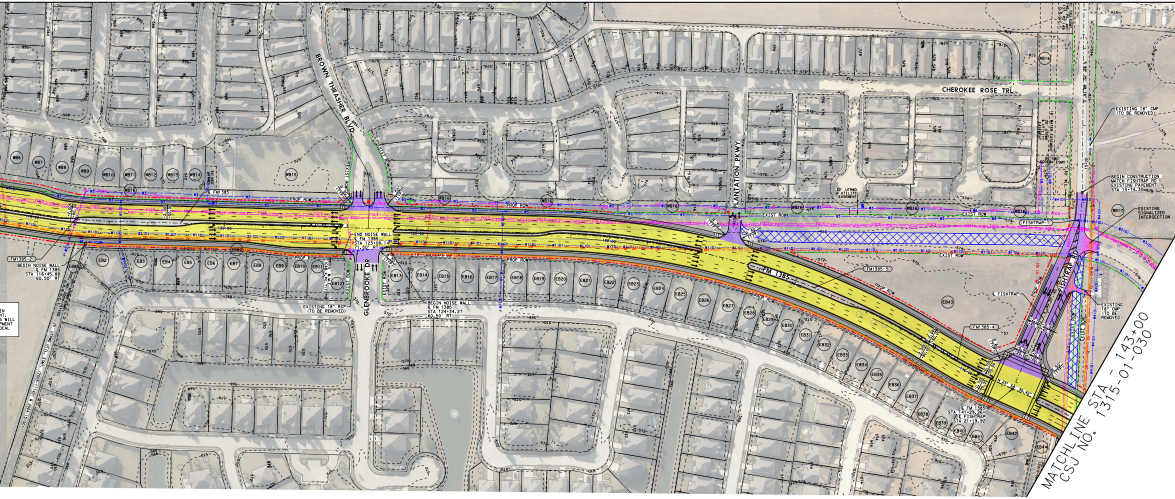
8300
(13000)
(14300)
8825
(13800)
(15200)
MATCHLINE

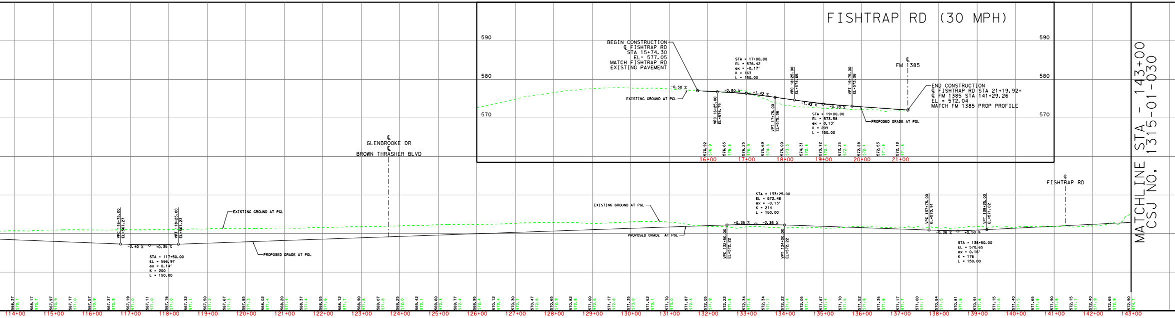

N
BEGIN PROJECT
BEGIN CSJ 1315-01-030
℄ FM1385 STA 100+74.50
MATCH EXISTING PAVEMENT
BEGIN NOISE WALL
℄ FM 1385
STA 106+56.88
60.50' LT
END NOISE WALL
℄ FM 1385
STA 107+23.68
60.50' LT
BEGIN NOISE WALL
℄ FM 1385
STA 108+16.13
60.50' LT
END NOISE WALL
℄ FM 1385
STA 111+11.95
78.00' LT
EXISTING 18" RCP
(TO BE REMOVED)
50' UTILITY & UTILITY EASEMENT
FM1385-1
PROP ROW
EXIST ROW
FM 1385
MAGNOLIA BLVD
15' WATER ESMT.
10' STREET ESMT.
PROPOSED (BY OTHERS)
US 380/W UNIVERSITY DR
380
WB1
WB2
WB3
WB4
WB5
EB1
EB1A
RDWY X-SLOPE
LT
℄
RT

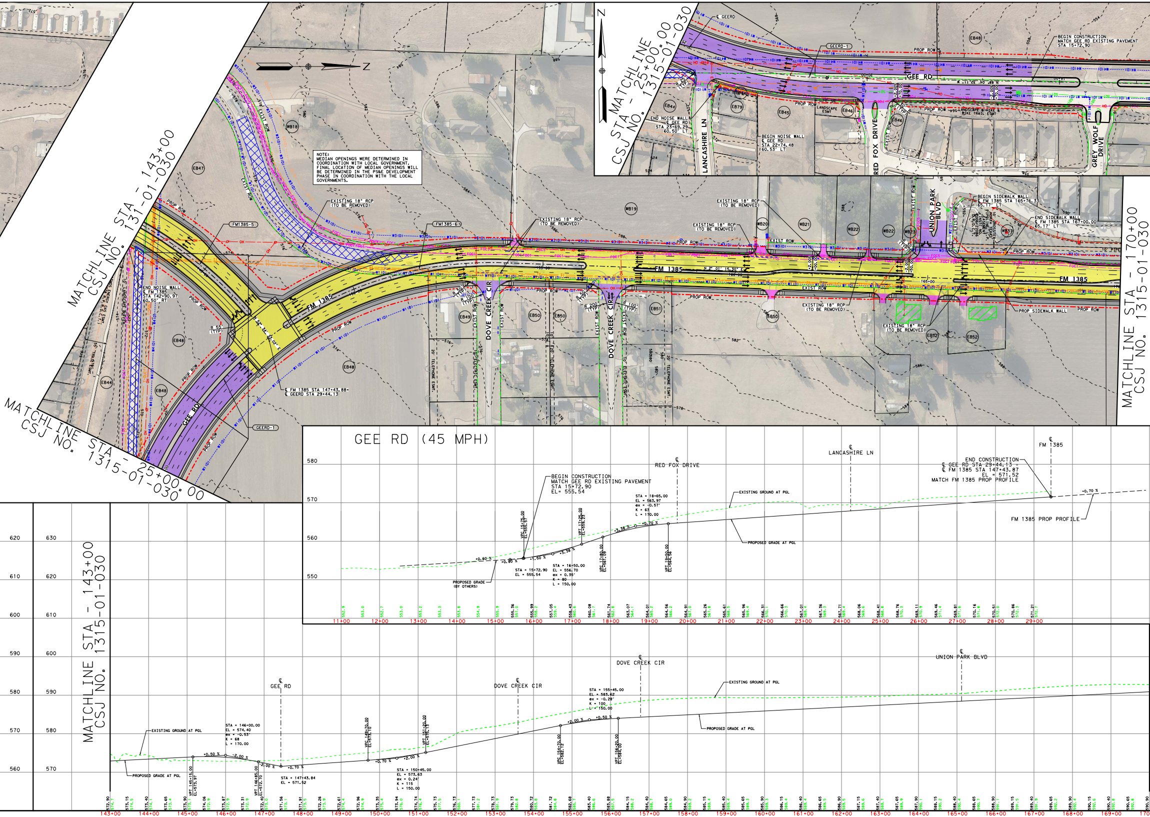
PRELIMINARY
NOT INTENDED FOR CONSTRUCTION
OR BIDDING PURPOSES

NOTE:
MEDIAN OPENINGS WERE DETERMINED
COORDINATION WITH LOCAL GOVERNME
FINAL LOCATION OF MEDIAN OPENING
BE DETERMINED IN THE PS&E DEVELO
PHASE IN COORDINATION WITH THE L
GOVERNMENTS.




BROWN THRASHER BLVD
CHEROKEE ROSE TRL
PLANTATION PKWY
GLENBROOKE DR
FISHTRAP RD
FM 1385
℄ FM1385
FM1385-2
FM1385-3
FM1385-4
FISHTRAP-1
BEGIN NOISE WALL
℄ FM 1385
STA 116+45.88
60.50' RT
END NOISE WALL
℄ FM 1385
STA 123+08.14
71.50' RT
BEGIN NOISE WALL
℄ FM 1385
STA 124+34.27
60.50' RT
EXISTING 18" RCP
(TO BE REMOVED)
EXISTING 18" CMP
(TO BE REMOVED)
BEGIN CONSTRUCTION
MATCH FISHTRAP RD
EXISTING PAVEMENT
STA 15+74.30
EXISTING
SIGNALIZED
INTERSECTION
℄ FISHTRAP
℄ FM 1385
STA 141+29.26=
℄ FISHTRAP
STA 21+19.92
N 23° 54' 35.42" E
30' UTRWD
& UTILITY
EASEMENT
16' WATER EASEMENT
30'X80'
COSERV ESMT
25' UTRWD UTIL. ESMT.
PROP ROW
EXIST ROW
10' LANDSCAPE BUFFER
R 50'
(TYP)
R 60'
(TYP)
120+00
125+00
130+00
140+00
15+00
WB6
WB7
WB8
WB9
WB10
WB11
WB12
WB13
WB14
WB15
WB16
WB17
EB2
EB3
EB4
EB5
EB6
EB7
EB8
EB9
EB10
EB11
EB12
EB13
EB14
EB15
EB16
EB17
EB18
EB19
EB20
EB21
EB22
EB23
EB24
EB25
EB26
EB27
EB28
EB29
EB30
EB31
EB32
EB33
EB34
EB35
EB36
EB37
EB38
EB39
EB40
EB41
EB42
EB43
EB44
EB80
MATCHLINE STA - 143+00
CSJ NO. 1315-01-030


FISHTRAP RD (30 MPH)
590
580
570
BEGIN CONSTRUCTION
℄ FISHTRAP RD
STA 15+74.30
EL= 577.05
MATCH FISHTRAP RD
EXISTING PAVEMENT
STA = 17+00.00
EL = 576.42
ex = -0.17'
K = 163
L = 150.00
VPC 16+25.00
EL=576.79
VPT 17+75.00
EL=575.36
VPC 18+25.00
EL=574.65
VPT 19+75.00
EL=573.06
STA = 19+00.00
EL = 573.58
ex = 0.13'
K = 209
L = 150.00
-0.50 %
-0.50 %
-1.42 %
-1.42 %
-0.70 %
EXISTING GROUND AT PGL
PROPOSED GRADE AT PGL
℄
FM 1385
END CONSTRUCTION
℄ FISHTRAP RD STA 21+19.92=
℄ FM 1385 STA 141+29.26
EL = 572.04
MATCH FM 1385 PROP PROFILE
16+00
17+00
18+00
19+00
20+00
21+00
℄
GLENBROOKE DR
℄
BROWN THRASHER BLVD
VPC 116+75.00
EL=567.27
VPT 118+25.00
EL=567.23
-0.40 %
+0.35 %
STA = 117+50.00
EL = 566.97
ex = 0.14'
K = 200
L = 150.00
EXISTING GROUND AT PGL
PROPOSED GRADE AT PGL
STA = 133+25.00
EL = 572.48
ex = -0.13'
K = 214
L = 150.00
+0.35 %
-0.35 %
VPC 132+50.00
EL=572.22
VPT 134+00.00
EL=572.22
VPC 137+75.00
EL=570.91
VPT 139+25.00
EL=571.02
-0.35 %
+0.50 %
STA = 138+50.00
EL = 570.65
ex = 0.16'
K = 176
L = 150.00
℄
FISHTRAP RD
114+00
115+00
116+00
117+00
118+00
119+00
120+00
121+00
122+00
123+00
124+00
125+00
126+00
127+00
128+00
129+00
130+00
131+00
132+00
133+00
134+00
135+00
136+00
137+00
138+00
139+00
140+00
141+00
142+00
143+00
MATCHLINE STA - 143+00
CSJ NO. 1315-01-030

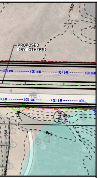

MATCHLINE STA - 143+00
CSJ NO. 131-01-030
MATCHLINE STA - 25+00.00
CSJ NO. 1315-01-030
MATCHLINE STA - 170+00
CSJ NO. 1315-01-030
MATCHLINE STA - 25+00.00
CSJ NO. 1315-01-030.00
MATCHLINE STA - 143+00
CSJ NO. 1315-01-030
FM 1385
GEE RD
GEERD-1
FM1385-5
FM1385-6
DOVE CREEK CIR
RED FOX DRIVE
LANCASHIRE LN
GREY WOLF DRIVE
UNION PARK BLVD
PROP ROW
EXIST ROW
EXISTING 18" RCP (TO BE REMOVED)
END NOISE WALL ℄ FM 1385 STA 142+90.97 60.50' RT
℄ FM 1385 STA 147+43.88 ℄ GEERD STA 29+44.13
END NOISE WALL ℄ GEE RD STA 23+69.29 60.50' LT
BEGIN NOISE WALL ℄ GEE RD STA 22+74.48 60.53' LT
BEGIN CONSTRUCTION MATCH GEE RD EXISTING PAVEMENT STA 15+72.90
BEGIN SIDEWALK WALL ℄ FM 1385 STA 165+76.33 65.17' LT
END SIDEWALK WALL ℄ FM 1385 STA 167+00.00 65.17' LT
PROP SIDEWALK WALL
LANDSCAPE ESMT
LANDSCAPE + HIKE & BIKE TRAIL ESMT
20' TELEPHONE EASMT
N 2° 01' 15.50" E
R 55' (TYP)
EB44
EB46
EB47
EB48
EB49
EB50
EB51
EB52
EB79
EB37
WB18
WB19
WB20
WB21
WB22
WB23
N

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.

GEE RD (45 MPH)

580
570
560
550
℄ RED FOX DRIVE
℄ LANCASHIRE LN
℄ FM 1385
BEGIN CONSTRUCTION
MATCH GEE RD EXISTING PAVEMENT
STA 15+72.90
EL= 555.54
END CONSTRUCTION
℄ GEE RD STA 29+44.13 =
℄ FM 1385 STA 147+43.87
EL = 571.52
MATCH FM 1385 PROP PROFILE
FM 1385 PROP PROFILE
+0.70 %
EXISTING GROUND AT PGL
PROPOSED GRADE AT PGL
PROPOSED GRADE (BY OTHERS)
+0.60 %
+0.80 %
+1.50 %
+3.38 %
+3.38 %
+0.70 %
VPC 15+75.00 EL=555.57
VPT 17+25.00 EL=559.23
VPC 17+80.00 EL=561.09
VPT 19+50.00 EL=564.56
STA = 15+72.90
EL = 555.54
STA = 16+50.00
EL = 556.70
ex = 0.35'
K = 80
L = 150.00
STA = 18+65.00
EL = 563.97
ex = -0.57'
K = 63
L = 170.00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
28+00
29+00

620 630
610 620
600 610
590 600
580 590
570 580
560 570
℄ GEE RD
℄ DOVE CREEK CIR
℄ DOVE CREEK CIR
℄ UNION PARK BLVD
EXISTING GROUND AT PGL
PROPOSED GRADE AT PGL
STA = 146+00.00
EL = 574.40
ex = -0.53'
K = 68
L = 170.00
+0.50 %
-2.00 %
-2.00 %
+0.70 %
+0.70 %
+2.00 %
+2.00 %
+0.50 %
VPT 145+15.00 EL=573.97
VPT 146+85.00 EL=572.70
STA = 147+43.84
EL = 571.52
VPC 149+70.00 EL=573.10
VPT 151+20.00 EL=575.13
STA = 150+45.00
EL = 573.63
ex = 0.24'
K = 115
L = 150.00
VPC 154+70.00 EL=582.12
VPT 156+20.00 EL=584.00
STA = 155+45.00
EL = 583.62
ex = -0.28'
K = 100
L = 150.00
143+00
144+00
145+00
146+00
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00
155+00
156+00
157+00
158+00
159+00
160+00
161+00
162+00
163+00
164+00
165+00
166+00
167+00
168+00
169+00
170


PROPOSED
(BY OTHERS)
EB16
550
554
546
550

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 CONNECTIONS 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

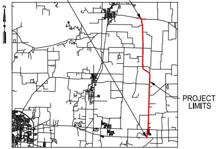
* MEETS OR EXCEEDS EXISTING CONDITIONS

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+60.94

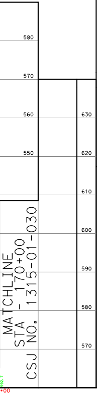
END PROJECT
END CSJ: 1315-01-030
FM 1385 STA. 819+60.94

BEGIN PROJECT
BEGIN CSJ: 1315-01-030
FM 1385 STA 100+74.50


N
PROJECT
LIMITS

DENTON COUNTY

LOCATION MAP
N.T.S.


580
570
560
550
630
620
610
600
590
580
570
MATCHLINE
STA - 170+00
CSJ NO. 1315-01-030
+00

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)

DATE SUBMITTED
12/10/2021

DATE APPROVED
04/28/2022

DATE REVISED
05/01/2023

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

ROLL 1 OF 9

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

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