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

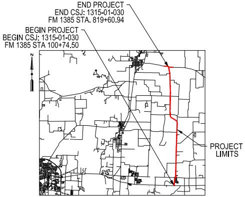
45 MPH = FM 455
30 MPH = FISHTRAP RD
45 MPH = GEE RD
30 MPH = PARVIN RD
45 MPH = FM 428 EAST
*30 MPH = ALL CONNECTIONS TO EXIST CROSS ST

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 4 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:

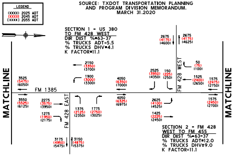
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON EXISTING PLANS AND AERIAL SURVEYS DATED APRIL 2020 AND RECORD PLANS
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION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


LEGEND
(XXXX) 2025 ADT
(XXXX) 2045 ADT
[XXXX] 2055 ADT
MATCHLINE
FM 1385
FM 428 EAST
FM 428 WEST
MATCHLINE
3525 (5475) (6050)
3550 (5525) (6125)
2275 (3575) (3950)
1275 (1950) (2175)
2150 (3350) (3700)
1900 (3000) (3300)
1375 (2125) (2350)
1775 (2750) (3025)
3175 (4950) (5475)
3150 (4875) (5375)
4050 (6350) (7000)
4050 (6325) (6975)
2525 (3950) (4350)
150 (225) (250)
2625 (4100) (4525)
1425 (2225) (2450)
2675 (4175) (4600)
2675 (4175) (4625)
50 (75) (100)
1525 (2400) (2650)
1575 (2475) (2750)
1575 (2450) (2700)

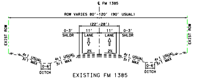
SOURCE: TXDOT TRANSPORTATION PLANNING AND PROGRAM DIVISION MEMORANDUM. MARCH 31.2020

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

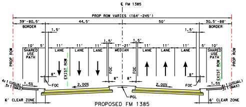
SECTION 2 - FM 428 WEST TO FM 455
DIR DIST %=63-37
% TRUCKS ADT=12.0
% TRUCKS DHV=9.0
K FACTOR=11.1

TRAFFIC DIAGRAM - FM 1385

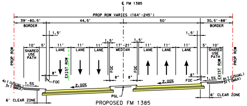
N.T.S.


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

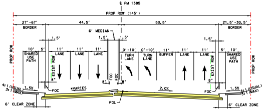
EXISTING FM 1385
TYPICAL SECTION
STA 322+00.00 TO 397+00.00


℄ FM 1385
PROP ROW VARIES (164'-245')
39'-80.5' BORDER
44.5'
50'
30.5'-88' BORDER
10' SHARED USE PATH
11' LANE
17'-21' MEDIAN
FOC
2.00%
PGL
6' CLEAR ZONE
4:1 (USUAL)
3:1 (MAX)
PROP ROW
EXIST ROW

PROPOSED FM 1385
TYPICAL SECTION
STA 327+88.30 TO 335+00.00
STA 337+30.00 TO 352+26.00
STA 354+56.00 TO 366+00.00

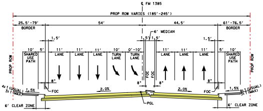

℄ FM 1385
PROP ROW VARIES (164'-245')
39'-80.5' BORDER
44.5'
50'
30.5'-88' BORDER
10' SHARED USE PATH
11' LANE
17'-21' MEDIAN
FOC
2.00%
PGL
6' CLEAR ZONE
4:1 (USUAL)
3:1 (MAX)

PROPOSED FM 1385
TYPICAL SECTION
STA 366+00.00 TO 373+15.09


℄ FM 1385
PROP ROW (145')
27'-67' BORDER
44.5'
53.5'
21.5'-30.5' BORDER
6' MEDIAN
0'-10' TURN LANE
0'-10' TURN LANE
BUFFER
11' LANE
10' SHARED USE PATH
*VARIES
2.0%
FOC
PGL
6' CLEAR ZONE

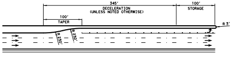
PROPOSED FM 1385
TYPICAL SECTION
STA 373+15.09 TO 378+08.40

* SEE CROSS SLOPE TRANSITION TABLE


℄ FM 1385
PROP ROW VARIES (185'-245')
25.5'-79' BORDER
54'
44.5'
61'-76.5' BORDER
6' MEDIAN
10' TURN LANE
0'-10' TURN LANE
11' LANE
10' SHARED USE PATH
2.0%
FOC
PGL
6' CLEAR ZONE

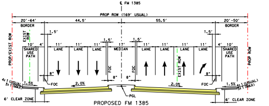
PROPOSED FM 1385
TYPICAL SECTION

PROP ID	PROPERTY OWNERS' NAME
E876	MONSALVE, ADOLFO I & LAURA A
E877	SAADI, YOUSEF
E878	SHINEY HINEY PARTNERS I
W830	SANDBROCK INVESTMENTS INC
W832	PICKENS LAKE LLC
W833	A1719 LLC

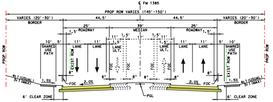

345'
DECELERATION
(UNLESS NOTED OTHERWISE)
100'
STORAGE
100'
TAPER
R 230'
R 230'
R 3'

TYPICAL LEFT-TURN BAY DETAILS (45 MPH)

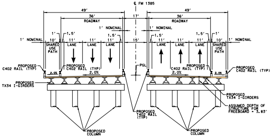
N.T.S


℄ FM 1385
PROP ROW (169' USUAL)
20'-64' BORDER
44.5'
55.5'
20'-50' BORDER
10' SHARED USE PATH
11' LANE
17' MEDIAN
FOC
2.0%
PGL
6' CLEAR ZONE
4:1 (USUAL)
3:1 (MAX)

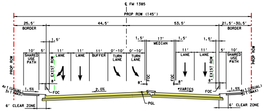
PROPOSED FM 1385
TYPICAL SECTION
STA 318+00.00 TO 322+14.90


℄ FM 1385
PROP ROW VARIES (145'-150')
VARIES (20'-30') BORDER
44.5'
25' ROADWAY
39' MEDIAN
25' ROADWAY
VARIES (20'-30') BORDER
10' SHARED USE PATH
11' LANE
LANE ULT.
FOC
2.0%
PGL
6' CLEAR ZONE

PROPOSED FM 1385
TYPICAL SECTION
STA 383+76.70 TO 407+67.90


℄ FM 1385
49'
36' ROADWAY
17'
36' ROADWAY
49'
1' NOMINAL
SHARED USE PATH
LANE
PROPOSED C402 RAIL (TYP)
2.0%
PGL
PROPOSED TX34 I-GIRDERS
ASSUMED DEPTH OF STRUCTURE FOR FREEBOARD = 3.83'
PROPOSED T402 RAIL (TYP)
PROPOSED COLUMN

PROPOSED FM 1385
BRIDGE TYPICAL SECTION
STA. 335+00.00 TO 337+30.00
STA. 352+26.00 TO 354+56.00


℄ FM 1385
PROP ROW (145')
25.5' BORDER
44.5'
53.5'
21.5'-30.5' BORDER
17' MEDIAN
0'-10' TURN LANE
BUFFER
11' LANE
10' SHARED USE PATH
2.0%
*VARIES
FOC
PGL
6' CLEAR ZONE

PROPOSED FM 1385
TYPICAL SECTION
STA 379+27.40 TO 383+76.70

* SEE CROSS SLOPE TRANSITION TABLE

CROSS SLOPE TRANSITIONS					
CHAIN ID.	LEFT		RIGHT		TRANSITION LENGTH
	STA	e	STA	e	
FM 428 EAST	11+00.00	0.35%	11+00.00	-0.35%	55'
	11+55.00	-2.00%	11+55.00	-2.00%	
FM 428 WEST	12+45.00	-2.00%	12+45.00	-2.00%	55'
	13+00.00	0.35%	13+00.00	-0.35%	
FM 1385	---	---	325+00.00	2.00%	250'
	---	---	327+50.00	-2.00%	
	---	---	364+00.00	-2.00%	200'
	---	---	366+00.00	2.00%	
	---	---	376+00.00	2.00%	200'
	---	---	378+00.00	-1.00%	
	377+00.00	-2.00%	---	---	100'
	378+00.00	-1.00%	---	---	
	379+50.00	-1.00%	379+50.00	-1.00%	100'
	380+50.00	-2.00%	380+50.00	-2.00%	

HORIZONTAL ALIGNMENT DAT

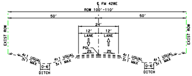
CHAIN NO.	POT STA	POT-NORTHING	POT-EASTING	BEARING
FM1385	339+80.41	7,155,100.37	2,460,066.33	N 1° 59' 44.35"
FM1385	367+77.43	7,157,895.58	2,460,162.95	N 1° 47' 25.16"
FM1385	398+26.56	7,160,942.83	2,460,270.15	N 2° 00' 53.44"
FM1385	415+06.62	7,162,621.66	2,460,334.35	N 2° 11' 23.88"
FM428E	10+00.00	7,153,382.32	2,460,028.83	S 89° 22' 23.26"
FM428W	10+00.00	7,159,003.55	2,459,810.73	S 87° 07' 23.19"

HORIZONTAL CURVE DATA TABL

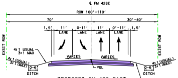
CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH
FM1385-9	7° 00' 13.60" (LT)	2° 51' 53.24"	122.39'	244.48'
FM1385-10	6° 19' 42.65" (RT)	2° 51' 53.24"	110.57'	220.91'
FM1385-11	2° 10' 31.18" (RT)	2° 51' 53.24"	37.97'	75.93'
FM1385-12	2° 10' 31.18" (LT)	2° 51' 53.24"	37.97'	75.93'

PRELIMINARY

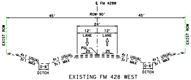
NOT INTENDED FOR CONSTRUCTION
OR BIDDING PURPOSES


℄ FM 428E
ROW 100'-110'
50'
50'
24'
12'
12'
LANE
LANE
PGL
2%
2%
EXIST ROW
EXIST ROW
4:1 USUAL
3:1 MAX
0-6'
DITCH

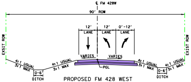
EXISTING FM 428 EAST
TYPICAL SECTION
STA 10+00.00 TO 13+75.00


℄ FM 428E
ROW 100'-110'
70'
30'-40'
1.5'
11'
0-11'
11'
0'-11'
1.5'
LANE
VARIES
VARIES
PGL
EXIST ROW
4:1 USUAL
3:1 MAX
4:1 (USUAL)
3:1 (MAX)
0-6'
DITCH

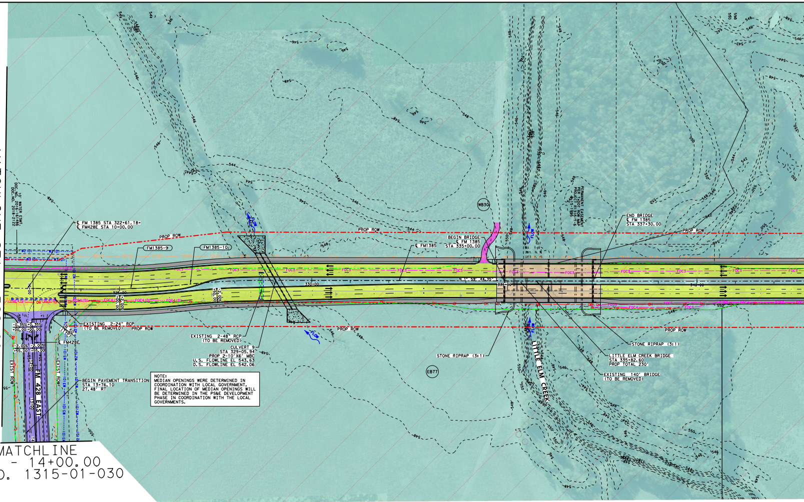
PROPOSED FM 428 EAST
TYPICAL SECTION
STA 10+00.00 TO 19+30.00


℄ FM 428W
ROW 90'
45'
45'
24'
12'
12'
LANE
LANE
PGL
2%
2%
EXIST ROW
4:1 USUAL
3:1 MAX
0-6'
DITCH

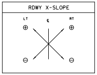
EXISTING FM 428 WEST
TYPICAL SECTION
STA 12+45.00 TO 13+91.00


℄ FM 428W
90' ROW
12'
12'
0'-12'
LANE
LANE
LANE
VARIES
VARIES
PGL
EXIST ROW
4:1 USUAL
3:1 MAX
0-6'
DITCH

PROPOSED FM 428 WEST
TYPICAL SECTION
STA 9+71.60 TO 13+91.00


N
MATCHLINE STA - 322+00
CSJ NO. 1315-01-030
MATCHLINE
STA - 14+00.00
CSJ NO. 1315-01-030
10' WATER ESMT.
DOC.NO. 2016-161486
DOC.NO. 2018-2122
℄ FM 1385 STA 322+61.18=
℄ FM428E STA 10+00.00
PROP ROW
FM1385-9
FM1385-10
EXISTING 2-24" RCP
(TO BE REMOVED)
℄ FM428E
-0.35%
+0.35%
-2.00%
+55.00
R 50' (TYP)
EXIST ROW
FM 428 EAST
BEGIN PAVEMENT TRANSITION
STA 13+76.10
27.48' RT
EXISTING 2-48" RCP
(TO BE REMOVED)
CULVERT 9
STA 329+05.94
PROP 2-10'X6' MBC
U.S. FLOWLINE EL 543.63
D.S. FLOWLINE EL 542.06
FLOW
325+00
330+00
335+00
340+00
℄ FM1385
BEGIN BRIDGE
℄ FM 1385
STA 335+00.00
N 1° 59' 44.35"
WB30
EB77
PERMANENT EASEMENT
PER TxDOT ROW MAP
PROJECT R1316-T-6
END BRIDGE
℄ FM 1385
STA 337+30.00
STONE RIPRAP (3:1)
LITTLE ELM CREEK BRIDGE
STA 335+82.60
PROP TOTAL 230'
EXISTING 140' BRIDGE
(TO BE REMOVED)
LITTLE ELM CREEK

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.


RDWY X-SLOPE
LT
℄
RT
⊕
⊕
⊖
⊖

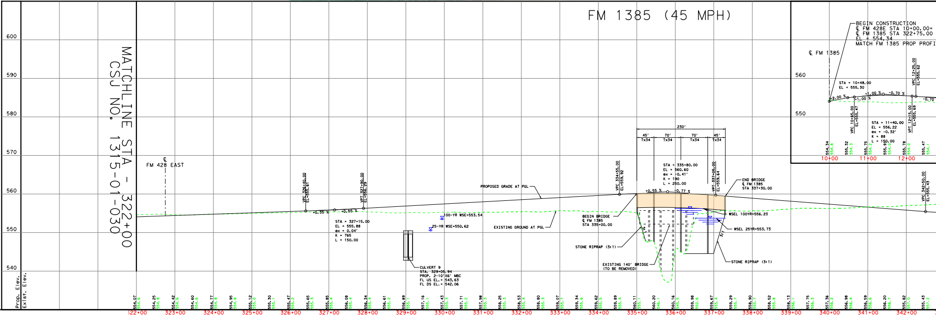
A

	POT STA	POT-NORTHING	POT-EASTING
E	--	--	--
E	--	--	--
E	--	--	--
E	--	--	--
E			
E	13+91.00	7,158,983.93	2,460,210.24

E

RADUIS	PI STA	PC STA	PT STA
2000.00'	325+42.82	324+20.43	326+64.91
2000.00'	327+75.48	326+64.91	328+85.82
2000.00'	360+12.93	359+74.95	360+50.89
2000.00'	362+56.61	362+18.64	362+94.57

FM 1385 (45 MPH)


MATCHLINE STA - 322+00
CSJ NO. 1315-01-030
600
590
580
570
560
550
540
Prop. Elev.
Exist. Elev.
℄ FM 428 EAST
VPC 326+40.00
EL=555.61
VPT 327+90.00
EL=556.29
+0.35 %
+0.55 %
STA = 327+15.00
EL = 555.88
ex = 0.04'
K = 765
L = 150.00
100-YR WSE=553.54
25-YR WSE=550.62
CULVERT 9
STA. 329+05.94
PROP. 2-10'X6' MBC
FL US EL.= 543.63
FL DS EL.= 542.06
PROPOSED GRADE AT PGL
EXISTING GROUND AT PGL
VPC 334+55.00
EL=559.92
230'
45'
70'
70'
45'
Tx34
STA = 335+80.00
EL = 560.60
ex = -0.41'
K = 190
L = 250.00
+0.55 %
-0.77 %
VPT 337+05.00
EL=559.64
BEGIN BRIDGE
℄ FM 1385
STA 335+00.00
END BRIDGE
℄ FM 1385
STA 337+30.00
WSEL 100YR=556.23
WSEL 25YR=553.73
STONE RIPRAP (3:1)
EXISTING 140' BRIDGE
(TO BE REMOVED)
VPC 342+50.00
EL=555.43
BEGIN CONSTRUCTION
℄ FM 428E STA 10+00.00=
℄ FM 1385 STA 322+75.00
EL = 554.34
MATCH FM 1385 PROP PROFI
℄ FM 1385
STA = 10+48.00
EL = 555.30
+2.00 %
+1.00 %
-0.70 %
VPC 10+65.00
EL=555.47
STA = 11+40.00
EL = 556.22
ex = -0.32'
K = 88
L = 150.00
VPT 12+15.00
EL=555.69
VPC 12+25.00
EL=555.62
10+00
11+00
12+00
322+00
323+00
324+00
325+00
326+00
327+00
328+00
329+00
330+00
331+00
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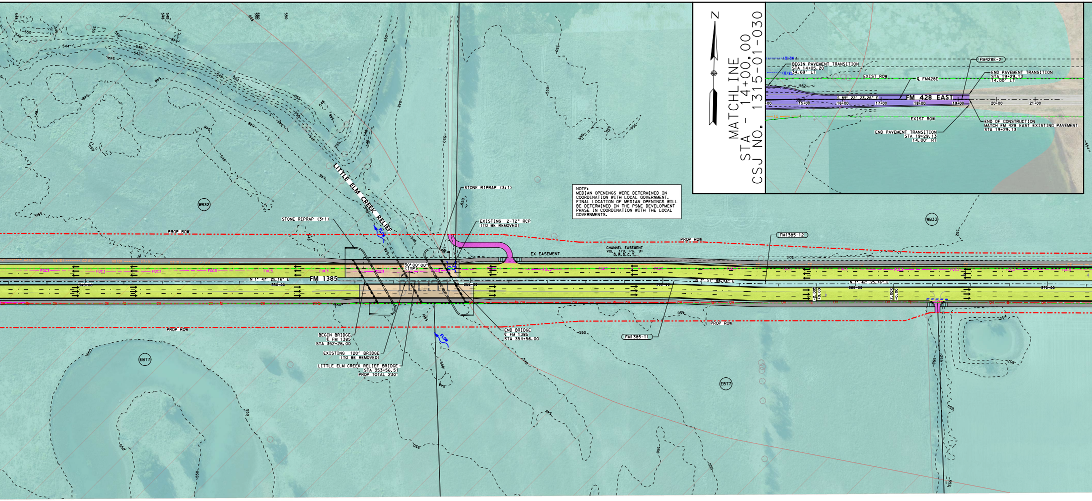
338+00
339+00
340+00
341+00
342+00


MATCHLINE
STA - 14+00.00
CSJ NO. 1315-01-030
BEGIN PAVEMENT TRANSITION
STA 14+05.20
34.69' LT
FM428E-2
END PAVEMENT TRANSITION
STA 19+29.13
14.00' LT
EXIST ROW
℄ FM428E
S 89° 22' 23.26" E
FM 428 EAST
15+00
16+00
17+00
18+00
19+00
20+00
21+00
END OF CONSTRUCTION
MATCH FM 428 EAST EXISTING PAVEMENT
STA 19+29.13
END PAVEMENT TRANSITION
STA 19+29.13
14.00' RT
LITTLE ELM CREEK RELIEF
FLOW
WB32
WB33
EB77
STONE RIPRAP (3:1)
EXISTING 2-72" RCP
(TO BE REMOVED)
PROP ROW
EX EASEMENT
CHANNEL EASEMENT
VOL. 379, PG. 91
D.R.D.C.T.
FM1385-12
FM1385-11
30°00'00"
(TYP)
FM 1385
N 1° 47' 25.16" E
350+00
355+00
360+00
365+00
370+00
BEGIN BRIDGE
℄ FM 1385
STA 352+26.00
EXISTING 120' BRIDGE
(TO BE REMOVED)
LITTLE ELM CREEK RELIEF BRIDGE
STA 353+56.51
PROP TOTAL 230'
END BRIDGE
℄ FM 1385
STA 354+56.00
546
548
550
552
554

NOTE:
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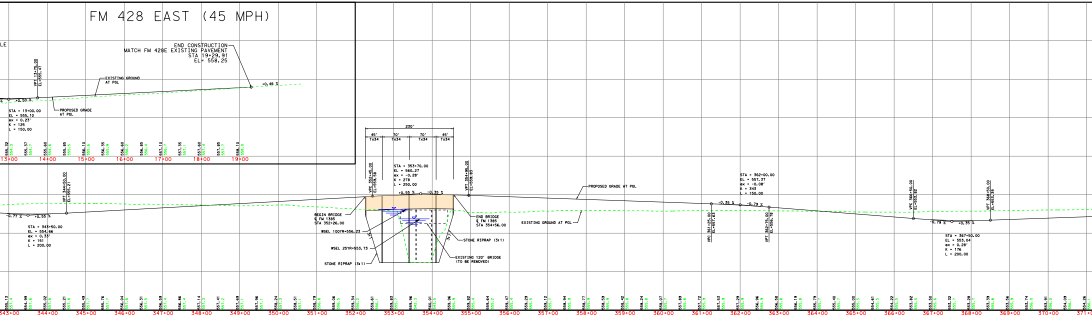
FM 428 EAST (45 MPH)
END CONSTRUCTION
MATCH FM 428E EXISTING PAVEMENT
STA 19+29.91
EL= 558.25
VPT 13+75.00
EL=555.47
EXISTING GROUND
AT PGL
+0.50 %
+0.46 %
STA = 13+00.00
EL = 555.10
ex = 0.23'
K = 125
L = 150.00
PROPOSED GRADE
AT PGL
13+00
14+00
15+00
16+00
17+00
18+00
19+00
230'
45'
70'
70'
45'
Tx34
Tx34
Tx34
Tx34
VPC 352+45.00
EL=559.58
STA = 353+70.00
EL = 560.27
ex = -0.28'
K = 278
L = 250.00
+0.55 %
-0.35 %
VPT 354+95.00
EL=559.83
VPT 344+50.00
EL=555.21
-0.77 %
+0.55 %
STA = 343+50.00
EL = 554.66
ex = 0.33'
K = 151
L = 200.00
BEGIN BRIDGE
℄ FM 1385
STA 352+26.00
WSEL 100YR=556.23
WSEL 25YR=553.73
STONE RIPRAP (3:1)
3:1
END BRIDGE
℄ FM 1385
STA 354+56.00
STONE RIPRAP (3:1)
EXISTING 120' BRIDGE
(TO BE REMOVED)
PROPOSED GRADE AT PGL
EXISTING GROUND AT PGL
STA = 362+00.00
EL = 557.37
ex = -0.08'
K = 343
L = 150.00
-0.35 %
-0.79 %
VPC 361+25.00
EL=557.63
VPT 362+75.00
EL=556.78
VPC 366+50.00
EL=553.82
VPT 368+50.00
EL=553.39
-0.79 %
+0.35 %
STA = 367+50.00
EL = 553.04
ex = 0.28'
K = 176
L = 200.00
343+00
344+00
345+00
346+00
347+00
348+00
349+00
350+00
351+00
352+00
353+00
354+00
355+00
356+00
357+00
358+00
359+00
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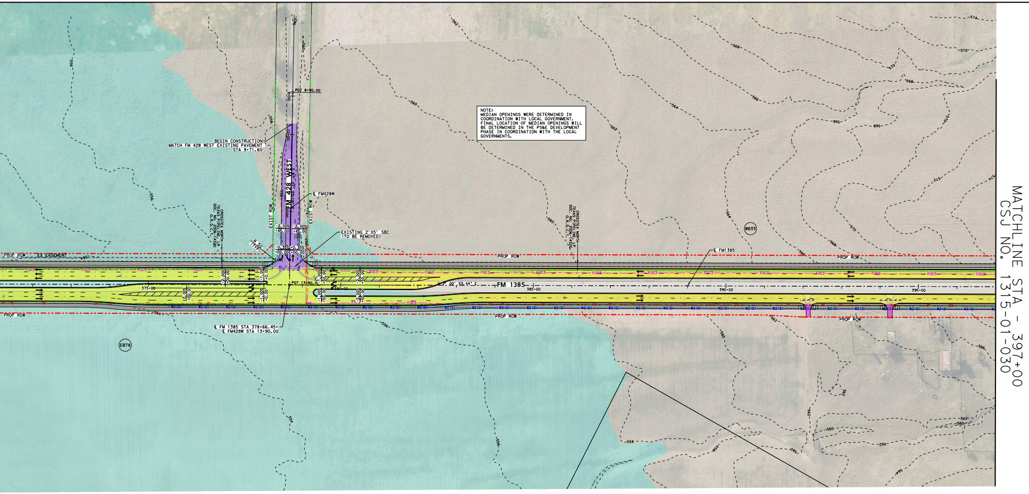
367+00
368+00
369+00
370+00
371+00


FM 428 WEST
POT 8+90.00
BEGIN CONSTRUCTION
MATCH FM 428 WEST EXISTING PAVEMENT
STA 9+71.60
℄ FM428W
EXIST ROW
EXISTING 2'X5' SBC
(TO BE REMOVED)
PROP ROW
EX EASEMENT
℄ FM1385
FM 1385
POT 13+90.00
375+00
385+00
390+00
395+00
℄ FM 1385 STA 378+66.45=
℄ FM428W STA 13+90.00
EB78
WB33
MATCHLINE STA - 397+00
CSJ NO. 1315-01-030

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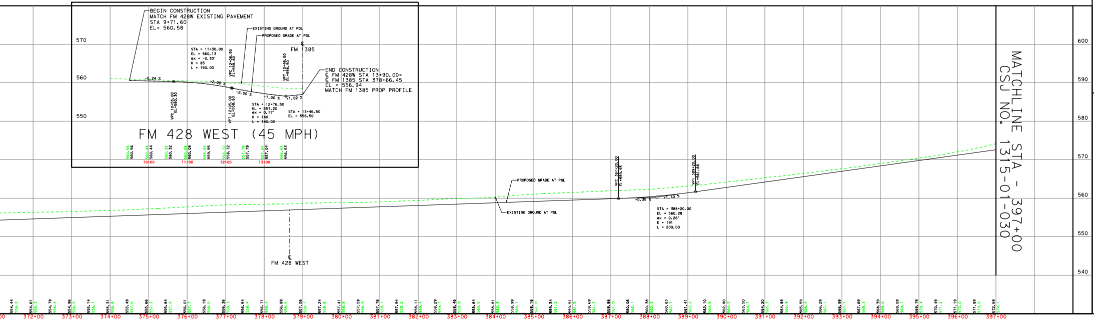


Texas Department of Transportation®

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

PROJECT LENGTH: 12.01 MILES

DESIGN SPEED:

45 MPH = FM 1385

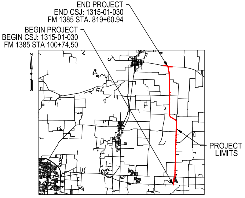
45 MPH = FM 455
30 MPH = FISHTRAP RD
45 MPH = GEE RD
30 MPH = PARVIN RD
45 MPH = FM 428 EAST
*30 MPH = ALL CONNECTIONS TO EXIST CROSS ST

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 4 OF 9

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

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