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:

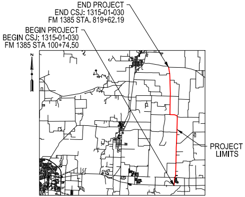
45 MPH = FM 1385

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

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12/10/2021

ROLL 7 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
▬	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

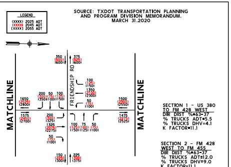
T1	TELEPHONE ATT
T1 (D)	TELEPHONE ATT
T2	TELEPHONE FRONTIER (VERIZON)
T2 (D)	TELEPHONE FRONTIER (VERIZON)
T-DUCT1 (D)	T-DUCT ATT
FOC1	FIBER OPTIC ATT
FOC1 (D)	FIBER OPTIC ATT
FOC3	FIBER OPTIC NORTEX COMMUNICATIONS
FOC4	FIBER OPTIC GRANDE
FOC4 (D)	FIBER OPTIC GRANDE
FOC5	FIBER OPTIC SUDDENLINK
FOC6	FIBER 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.

PRELIMINARY

NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES



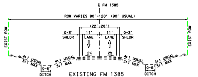
LEGEND
(XXXX) 2025 ADT
(XXXX) 2045 ADT
[XXXX] 2055 ADT
MATCHLINE
FRIENDSHIP RD
MATCHLINE
350 (500) [600]
375 (525) [600]
1650 (2525) [2800]
200 (300) [350]
50 (75) [100]
100 (125) [150]
100 (125) [150]
1350 (2100) [2300]
50 (75) [100]
1500 (2300) [2550]
1575 (2450) [2700]
200 (300) [325]
1325 (2075) [2275]
50 (75) [100]
100 (125) [150]
75 (100) [125]
50 (75) [100]
1475 (2275) [2525]
150 (225) [300]
225 (300) [375]

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

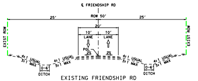
SECTION 2 - FM 428 WEST TO FM 455
DIR DIST %=63-37
% TRUCKS ADT=12.0
% TRUCKS DHV=9.0
K FACTOR=11.1

TRAFFIC DIAGRAM - FM 1385
N.T.S.



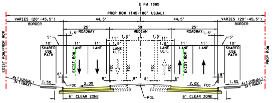
℄ FM 1385
ROW VARIES 80'-120' (90' USUAL)
(22'-28')
0-3' SHLDR
11' LANE
11' LANE
0-3' SHLDR
2%
EXIST ROW
4:1 USUAL 3:1 MAX
0-6' DITCH

EXISTING FM 1385
TYPICAL SECTION
STA 635+00.00 TO 713+00.00



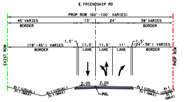
℄ FRIENDSHIP RD
ROW 50'
25'
20'
10' LANE
10' LANE
PGL
2%
EXIST ROW
4:1 USUAL 3:1 MAX
0-6' DITCH

EXISTING FRIENDSHIP RD
TYPICAL SECTION
STA 100+00.00 TO 113+00.00



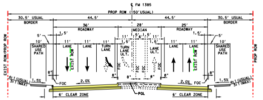
℄ FM 1385
PROP ROW (145'-180' USUAL)
VARIES (20'-45.5') BORDER
44.5'
39' MEDIAN
25' ROADWAY
10' SHARED USE PATH
11' LANE
LANE ULT.
FOC
2.0%
1.5%
8"
6' CLEAR ZONE
PGL
EXIST ROW/PROP ROW
PROP ROW
4:1 (USUAL) 3:1 (MAX)

PROPOSED FM 1385
TYPICAL SECTION
STA 635+00.00 TO 642+90.00
STA 656+15.00 TO 662+55.40
STA 673+52.19 TO 713+00.00



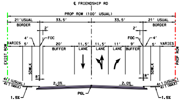
℄ FRIENDSHIP RD
PROP ROW (60'-100' VARIES)
45' VARIES BORDER
13'
24'
38' VARIES BORDER
(19'-45') VARIES BORDER
(24'-38') VARIES BORDER
11.5' LANE
11' LANE
2.0%
PGL
EXIST ROW
PROP ROW
4:1 (USUAL) 3:1 (MAX)

PROPOSED FRIENDSHIP RD
TYPICAL SECTION
STA 101+00.00 TO 105+80.28



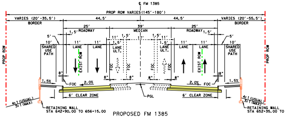
℄ FM 1385
PROP ROW (150' USUAL)
30.5' USUAL BORDER
44.5'
36' ROADWAY
28' MEDIAN
25' ROADWAY
10' SHARED USE PATH
11' LANE
TURN LANE
LANE ULT.
FOC
2.0%
1.5%
6' CLEAR ZONE
PGL
EXIST ROW/PROP ROW
PROP ROW
4:1 (USUAL) 3:1 (MAX)

PROPOSED FM 1385
TYPICAL SECTION
STA 668+93.50 TO 673+52.19



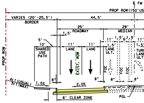
℄ FRIENDSHIP RD
PROP ROW (100' USUAL)
21' USUAL BORDER
33.5'
20' BUFFER
11.5' LANE
11' LANE
9' BUFFER
FOC
2.0%
SDWLK
PGL
EXIST ROW
PROP ROW
4:1 (USUAL) 3:1 (MAX)
1.5%

PROPOSED FRIENDSHIP RD
TYPICAL SECTION
STA 105+80.28 TO 108+27.19



℄ FM 1385
PROP ROW VARIES (145'-180')
VARIES (20'-35.5') BORDER
VARIES (20'-55.5') BORDER
44.5'
39' MEDIAN
25' ROADWAY
10' SHARED USE PATH
11' LANE
LANE ULT.
FOC
2.0%
1.5%
6' CLEAR ZONE
PGL
PROP ROW
4:1 (USUAL) 3:1 (MAX)
RETAINING WALL STA 642+90.00 TO 656+15.00
RETAINING WALL STA 652+35.00 TO 656+15.00

PROPOSED FM 1385
TYPICAL SECTION
STA 642+90.00 TO 656+15.00



℄ FM
PROP ROW (150' US
VARIES (20'-25.5') BORDER
44.5'
25' ROADWAY
28' MEDIAN
10' SHARED USE PATH
LANE
PROP ROW
2.0%
6' CLEAR ZONE
PGL

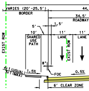
PROPOSED FM
TYPICAL SEC
STA 662+55.40 TO

HORIZONTAL CURVE DATA TABLE

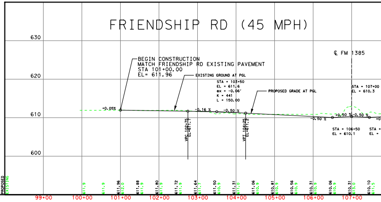
CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADUIS	PI STA	PC STA	PT STA
FM1385-107	1° 02' 00.00" (LT)	1° 08' 45.30"	45.08	90.18	5000'	637+59.84	637+14.75	638+04.93
FM1385-108	1° 43' 00.00" (RT)	1° 08' 45.30"	74.91	149.81	5000'	652+52.11	652+52.11	653+27.00
FM1385-109	1° 50' 32.01" (RT)	3° 49' 10.99"	24.12	48.23	1500'	682+97.43	682+73.32	683+21.55
FM1385-110	5° 35' 29.06" (LT)	3° 49' 10.99"	73.25	146.38	1500'	687+52.27	686+79.02	688+25.41
FRIENDSHIP-1	9° 13' 53.84" (RT)	5° 27' 24.27"	84.77'	169.18'	1050'	102+36.56	101+51.79	103+20.97
FRIENDSHIP-2	9° 51' 27.76" (LT)	5° 27' 24.27"	90.55'	180.65'	1050'	104+09.95	103+19.40	105+00.05
FRIENDSHIP-3	9° 17' 31.14" (LT)	5° 27' 24.27"	85.33'	170.28'	1050'	109+35.33	108+50.00	110+20.28
FRIENDSHIP-4	9° 17' 31.14" (RT	5° 27' 24.27"	85.33'	170.28'	1050'	111+05.61	110+20.28	111+90.57

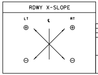
HORIZONTAL ALIGNMENT DATA

CHAIN NO.	POT STA	POT-NORTHING	POT-EASTING	BEARING	POT STA	POT-NORTHING	POT-EASTING
FM1385 (PI)	--	--	--	--	663+59.30	7,177,294.18	2,456,771.31
FRIENDSHIP	98+00.00	7,168,271.85	2,455,747.62	S 87° 38' 50.49" E	--	--	--
FRIENDSHIP	--	--	--	--	115+00.00	7,177,740.74	2,457,585.12

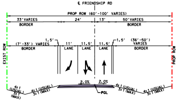


VARIES (20'-25.5') BORDER
44.
34.5' ROADWAY
10' SHARED USE PATH
LANE
EXIST ROW
FOC
0.5%
1.5%
6' CLEAR ZONE
4:1 (USUAL) 3:1 (MAX)

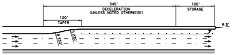



RDWY X-SLOPE
LT
RT
℄
⊕
⊖

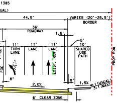
CROSS SLOPE TRANSITIONS					
CHAIN ID.	LEFT		RIGHT		TRANSITION LENGTH
	STA	e	STA	e	
FM 1385	666+15.00	-2.00%	666+15.00	-2.00%	100′
	667+15.00	-0.50%	667+15.00	-0.50%	
	669+10.00	-0.50%	669+10.00	-0.50%	100′
	670+10.00	-2.00%	670+10.00	-2.00%	
FRIENDSHIP RD	104+50.00	-2.00%	104+50.00	-2.00%	150′
	106+00.00	0.36%	106+00.00	-0.36%	
	108+00.00	0.36%	108+00.00	-0.36%	150′
	109+50.00	-2.00%	109+50.00	-2.00%	


℄ FRIENDSHIP RD
PROP ROW (60′-100′ VARIES)
33′ VARIES BORDER
24′
13′
50′ VARIES BORDER
(7′-33′) VARIES BORDER
1.5′
11′ LANE
11.5′ LANE
11.5′ LANE
1.5′
(36′-50′) VARIES BORDER
EXIST ROW
PROP ROW
2.0%
2.0%
PGL
4:1 (USUAL) 3:1 (MAX)

PROPOSED FRIENDSHIP RD
TYPICAL SECTION
STA 108+27.19 TO 112+00.00

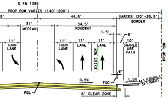

345′
DECELERATION (UNLESS NOTED OTHERWISE)
100′ TAPER
100′ STORAGE
R 3′
R 230′

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

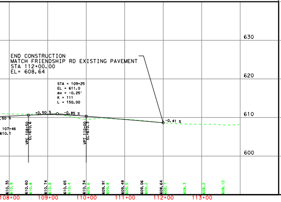

1385
44.5′
36′ ROADWAY
VARIES (20′-25.5′) BORDER
1.5′
5′
10′
11′ TURN LANE
11′ LANE
11′ LANE
SHARED USE PATH
EXIST. ROW
PROP ROW
FOC
8″
2.0%
1.5%
4:1 (USUAL) 3:1 (MAX)
6′ CLEAR ZONE

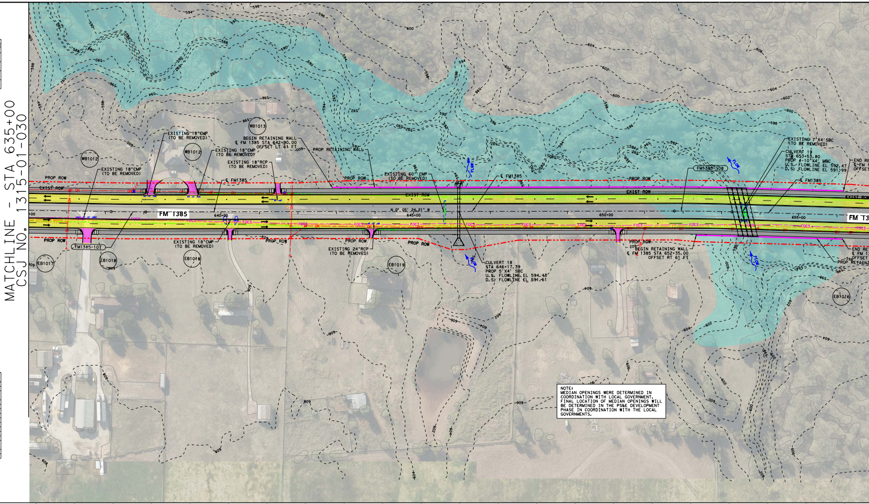
1385
TION
667+14.15

PROP ID	PROPERTY OWNERS' NAME
EB1017	ALEXANDER, MICHAEL & JACQUELYN
EB1018	MCGEE, JOHN G & SIDNEY JOAN T
EB1019	ILAPAKURTY, MADHAVI & PHANINDRA P & KAKARLA, ARUNA & BALUSU, PREM KUMAR & GORUGANTULA, LAKSHMI MITREYI & KOOPELLA, SIR UDAY
EB1020	RODRIGUEZ, JOSE & VEGA, SONIA
EB1021	LOPEZ, CARLOS D & DUARTE, MARIA E
EB1022	SMITH, ROBERT & GRACE
EB1023	GEIGER, TAMMYLEE
EB1024	ELAND FARMS LP
WB1012	SHEARER, RICKY
WB1013	BROOKS, RETHA FERN
WB1014	PRICE FAMILY PARTNERS LTD
WB1015	STINSON, RYAN SCOTT
WB1016	YERUVA, VINIL REDDY & LOURDU ANUSHA & GADE, SLEEVA REDDY & PRASWEIHA SALIBENDIA
WB1017	KAREL, CHRISTOPHER & ABBEY
WB1018	GENE MCCUTCHIN LTD III

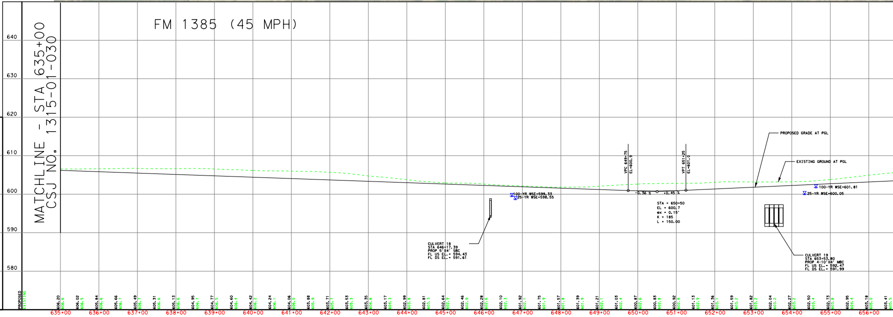

℄ FM 1385
PROP ROW VARIES (140′-200′)
31′ MEDIAN
44.5′
34.5′ ROADWAY
VARIES (20′-25.5′) BORDER
1.5′
5′
10′
11′ TURN LANE
11′ TURN LANE
11′ LANE
11′ LANE
SHARED USE PATH
EXIST ROW
PROP ROW
8″
0.5%
FOC
1.5%
4:1 (USUAL) 3:1 (MAX)
PGL
6′ CLEAR ZONE

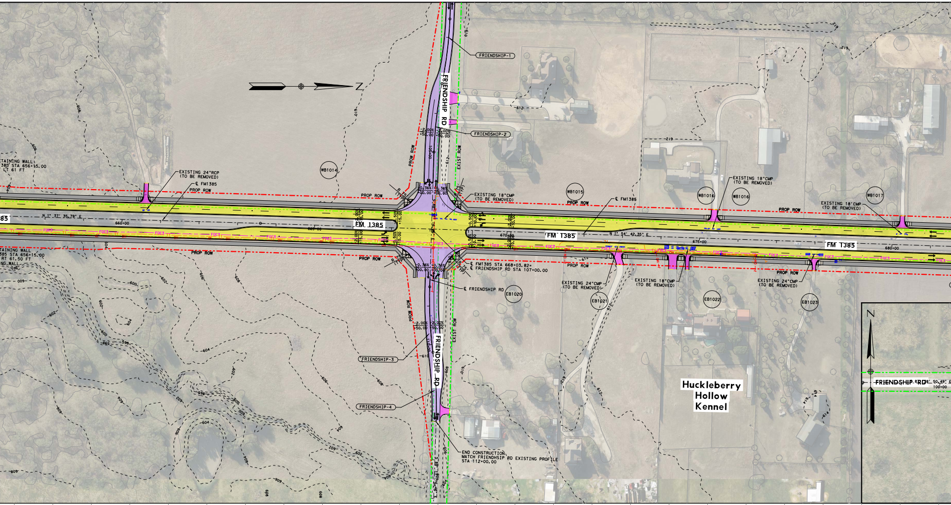
PROPOSED FM 1385
TYPICAL SECTION
STA 667+14.15 TO 668+93.50

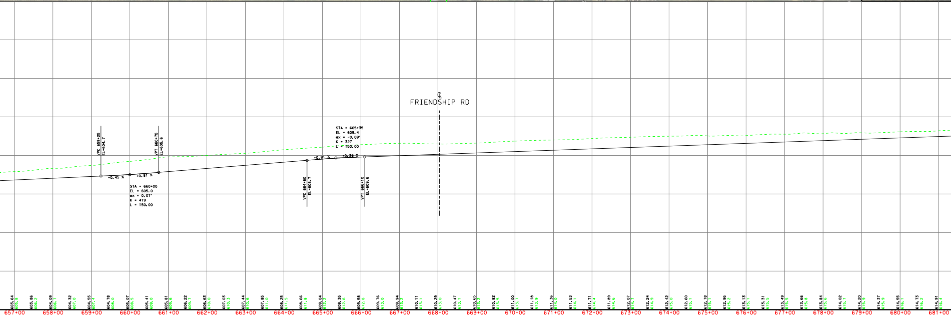


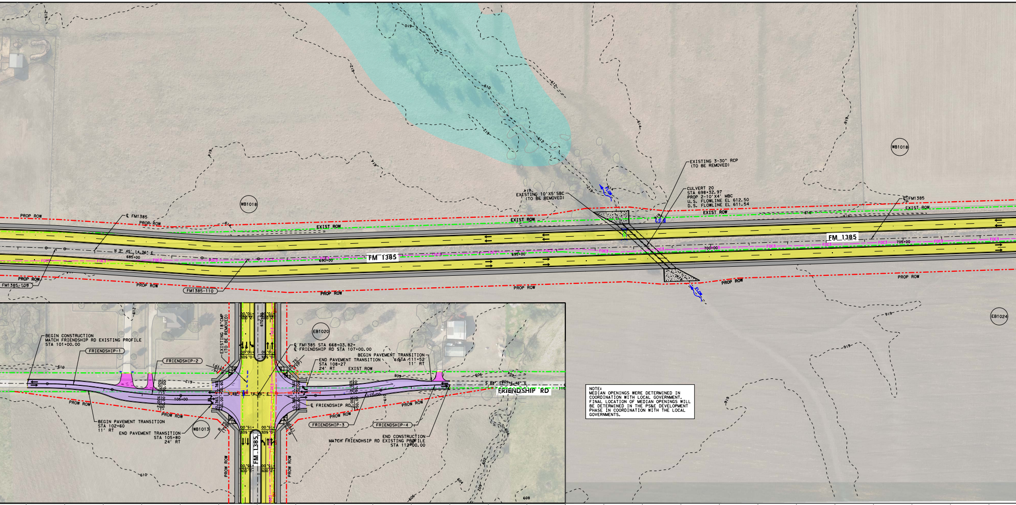

MATCHLINE - STA 635+00
CSJ NO. 1315-01-030
FM 1385
EXISTING 18″CMP (TO BE REMOVED)
EXISTING 18″CMP (TO BE REMOVED)
EXISTING 18″CMP (TO BE REMOVED)
EXISTING 18″RCP (TO BE REMOVED)
EXISTING 18″CMP (TO BE REMOVED)
EXISTING 24″RCP (TO BE REMOVED)
EXISTING 60″ CMP (TO BE REMOVED)
EXISTING 7′X4′ SBC (TO BE REMOVED)
BEGIN RETAINING WALL
℄ FM 1385 STA 642+90.00
OFFSET LT 61 FT
PROP RETAINING WALL
BEGIN RETAINING WALL
℄ FM 1385 STA 652+35.00
OFFSET RT 61 FT
CULVERT 18
STA 646+17.39
PROP 5′X4′ SBC
U.S. FLOWLINE EL 594.43
D.S. FLOWLINE EL 591.61
CULVERT 19
STA 653+53.80
PROP 4-10′X4′ MBC
U.S. FLOWLINE EL 592.47
D.S. FLOWLINE EL 591.99
N 0° 05′ 24.21″ W
PROP ROW
EXIST ROW
℄ FM1385
FM1385-107
FM1385-108
WB1012
WB1013
WB1014
EB1017
EB1018
EB1019
EB1016
640+00
645+00
650+00
655+00
FLOW

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.




FRIENDSHIP-1
FRIENDSHIP RD
FRIENDSHIP-2
PROP ROW
EXIST ROW
WB1014
RETAINING WALL
FM1385 STA 656+15.00
LT 61 FT
EXISTING 24"RCP
(TO BE REMOVED)
℄ FM1385
PROP ROW
N 1° 37' 35.79" E
660+00
665+00
FM 1385
FOC3
OH
RETAINING WALL
FM1385 STA 656+15.00
RT 61.50 FT
RETAINING WALL
R 75' (TYP)
-2.00%
+50.00
-0.36%
+00.00
EXISTING 18"CMP
(TO BE REMOVED)
WB1015
WB1016
WB1016
WB1017
℄ FM1385
670+00
FM 1385
N 1° 54' 42.35" E
675+00
FM 1385
680+00
EXISTING 18"CMP
(TO BE REMOVED)
EXISTING 18'CMP
(TO BE REMOVED)
℄ FM1385 STA 668+03.82=
℄ FRIENDSHIP RD STA 107+00.00
℄ FRIENDSHIP RD
EXISTING 24"CMP
(TO BE REMOVED)
EXISTING 18"CMP
(TO BE REMOVED)
EXISTING 24"CMP
(TO BE REMOVED)
EB1020
EB1021
EB1022
EB1023
FRIENDSHIP-3
FRIENDSHIP-4
END CONSTRUCTION
MATCH FRIENDHSIP RD EXISTING PROFILE
STA 112+00.00
Huckleberry
Hollow
Kennel
N
FRIENDSHIP RD
100+00
Z
600
602
604
606
608
610
612
614


℄
FRIENDSHIP RD
VPC 659+25
EL=604.7
VPT 660+75
EL=605.6
+0.45 %
+0.81 %
STA = 660+00
EL = 605.0
ex = 0.07'
K = 419
L = 150.00
STA = 665+35
EL = 609.4
ex = -0.09'
K = 327
L = 150.00
+0.81 %
+0.36 %
VPC 664+60
EL=608.7
VPT 666+10
EL=609.6
657+00
658+00
659+00
660+00
661+00
662+00
663+00
664+00
665+00
666+00
667+00
668+00
669+00
670+00
671+00
672+00
673+00
674+00
675+00
676+00
677+00
678+00
679+00
680+00
681+00
603.64
605.8
603.86
606.2
604.09
606.7
604.32
607.0
604.55
607.4
604.78
608.0
605.07
608.5
605.41
609.0
605.81
609.6
606.22
609.7
606.63
610.0
607.03
610.3
607.44
610.6
607.85
611.0
608.25
611.5
608.66
611.8
609.04
612.2
609.35
612.6
609.58
612.8
609.76
613.0
609.94
613.2
610.11
613.1
610.29
613.0
610.47
613.1
610.65
613.2
610.82
613.5
611.00
613.7
611.18
613.9
611.36
614.0
611.53
614.1
611.71
614.4
611.89
614.6
612.07
614.7
612.24
614.9
612.42
615.0
612.60
615.1
612.78
615.1
612.95
615.2
613.13
615.1
613.31
615.5
613.49
615.5
613.66
615.8
613.84
615.6
614.02
615.7
614.20
615.9
614.37
615.9
614.55
616.1
614.73
616.2
614.91
616.4


EXISTING 3-30" RCP
(TO BE REMOVED)
EXISTING 10'X5' SBC
(TO BE REMOVED)
CULVERT 20
STA 698+32.97
PROP 2-10'X4' MBC
U.S. FLOWLINE EL 612.50
D.S. FLOWLINE EL 611.54
FLOW
WB1018
EB1024
PROP ROW
EXIST ROW
℄ FM1385
FM 1385
FM1385-109
FM1385-110
685+00
690+00
695+00
700+00
705+00
FOC3
N 3° 45' 14.36" E
BEGIN CONSTRUCTION
MATCH FRIENDSHIP RD EXISTING PROFILE
STA 101+00.00
FRIENDSHIP-1
FRIENDSHIP-2
EXISTING 18"CMP
(TO BE REMOVED)
BEGIN PAVEMENT TRANSITION
STA 102+60
11' RT
END PAVEMENT TRANSITION
STA 105+80
24' RT
WB1013
PROW ROW
R 75' (TYP)
EB1020
℄ FM1385 STA 668+03.82=
℄ FRIENDSHIP RD STA 107+00.00
END PAVEMENT TRANSITION
STA 108+27
24' RT
EXIST ROW
BEGIN PAVEMENT TRANSITION
STA 111+52
11' RT
℄ FRIENDSHIP RD
FRIENDSHIP-3
FRIENDSHIP-4
END CONSTRUCTION
MATCH FRIENDHSIP RD EXISTING PROFILE
STA 112+00.00
FRIENDSHIP RD
S 88° 11' 16.46" E
105+00
110+00
670+00

NOTE:
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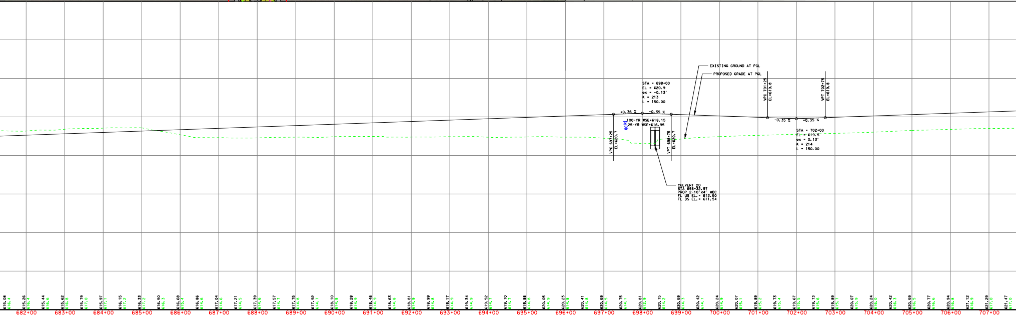
EXISTING GROUND AT PGL
PROPOSED GRADE AT PGL
STA = 698+00
EL = 620.9
ex = -0.13'
K = 213
L = 150.00
+0.36 %
-0.35 %
VPC 697+25
EL=620.7
VPT 698+75
EL=620.7
100-YR WSE=618.15
25-YR WSE=616.95
VPC 701+25
EL=619.8
VPT 702+75
EL=619.8
-0.35 %
+0.35 %
STA = 702+00
EL = 619.5
ex = 0.13'
K = 214
L = 150.00
CULVERT 20
STA 698+32.97
PROP 2-10'x4' MBC
FL US EL.= 612.50
FL DS EL.= 611.54
682+00
683+00
684+00
685+00
686+00
687+00
688+00
689+00
690+00
691+00
692+00
693+00
694+00
695+00
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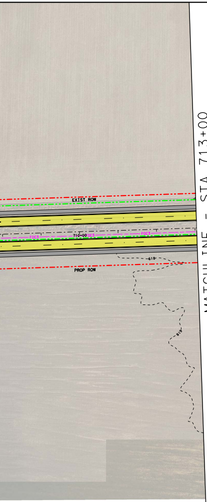
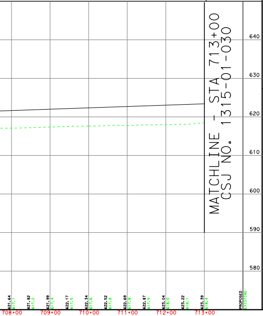
704+00
705+00
706+00
707+00


EXIST ROW
PROP ROW
FOC3
710+00
619
MATCHLINE - STA 713+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:

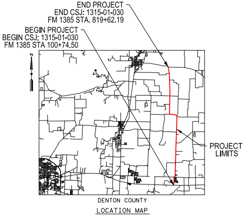
45 MPH = FM 1385

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
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

PRELIMINARY
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
TIMOTHY M. NESBITT, P.E. 66648
12/10/2021

ROLL 7 OF 9

LTRA
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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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