Texas Department of Transportation © 2022

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
FM 1777
COLLIN COUNTY

CSJ: 1014-04-016
FROM SH 66 TO FM 6
NET LENGTH OF PROJECT = 6.02 MI

COUNTY: COLLIN
DATE: MAY 17, 2022

DESIGN CRITERIA:

FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR STREET
TERRAIN: LEVEL
DESIGN SPEED: 45 MPH - URBAN STREET
35 MPH - CROSS STREETS
DESIGN CRITERIA: TEXAS ROADWAY DESIGN MANUAL
CHAPTER 3 SECTION 2 – URBAN STREET

2026 ADT = 6,300
2036 ADT = 6,300
2056 ADT = 7,000

COLLIN COUNTY

ENTECH CIVIL ENGINEERS, INC
1412 E. LEGACY
PLANO, TEXAS 75074
PHONE: (469) 519-0600
FAX: (469) 519-0601
TBPE FIRM #F-3199

PUBLIC MEETING EXHIBIT - FM 1777
COLLIN COUNTY

ROLL 3 OF 4

80% SCHEMATIC
PRELIMINARY; SUBJECT TO CHANGE WITHOUT NOTICE

PRELIMINARY
SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
ENTECH CIVIL ENGINEERS, INC.
TBPE REGISTRATION NO. F-3199

FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.

Registered Professional Engineer (Signature on Final Submittal)

ROSELIO GONZALEZ, P.E. — 99342
NAME — P.E. NUMBER

5/13/2022
DATE

ROLL INDEX:
ROLL 3: FM 1777 MAINLANES
STA. 260+00 TO STA. 340+00

SCALE
HORZ 1"=20'
VERT 1"=10'

ROLL 3 OF 4

ENGINEERS | PLANNERS | LANDSCAPE ARCHITECTURE MANAGERS
2610 North Shore Road, Mission, TX 78574
Phone: 956.271.6868
www.kcengineers.com
TBPE Registration No. F-10073

KC

Texas Department of Transportation © 2022

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
FM 1777
COLLIN COUNTY

CSJ: 1014-04-016
FROM SH 66 TO FM 6
NET LENGTH OF PROJECT = 6.02 MI

COUNTY: COLLIN
DATE: MAY 17, 2022

DESIGN CRITERIA:

FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR STREET
TERRAIN: LEVEL
DESIGN SPEED: 45 MPH - URBAN STREET
35 MPH - CROSS STREETS
DESIGN CRITERIA: TEXAS ROADWAY DESIGN MANUAL
CHAPTER 3 SECTION 2 – URBAN STREET

2026 ADT = 4,300
2036 ADT = 5,300
2056 ADT = 7,000

COLLIN COUNTY

ENTECH CIVIL ENGINEERS, INC
1412 E. LEGACY
PLANO, TEXAS 75074
PHONE: (469) 519-0600
FAX: (469) 519-0601
TBPE FIRM #F-3199

PUBLIC MEETING EXHIBIT - FM 1777
COLLIN COUNTY

ROLL 3 OF 4

80% SCHEMATIC
PRELIMINARY; SUBJECT TO CHANGE WITHOUT NOTICE

PRELIMINARY
SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
ENTECH CIVIL ENGINEERS, INC.
TBPE REGISTRATION NO. F-3199

FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.

Registered Professional Engineer (Signature on Final Submittal)

ROSELIO GONZALEZ, P.E. — 99342
NAME — P.E. NUMBER

5/13/2022
DATE

ROLL INDEX:
ROLL 3: FM 1777 MAINLANES
STA. 260+00 TO STA. 340+00

SCALE
HORZ 1"=20'
VERT 1"=10'

ROLL 3 OF 4

ENGINEERS | PLANNERS | LANDSCAPE ARCHITECTURE MANAGERS
2610 North Shore Road, Mission, TX 78574
Phone: 956.271.6868
www.kcengineers.com
TBPE Registration No. F-10073

KC

PLAN LEGEND:

PROPOSED ℄
PROPOSED EP
PROPOSED ROW
PROPOSED ROW BY OTHERS
PARCEL BOUNDARY
RETAINING WALL
SIDE FRICTION WALL
100 YR FLOODPLAIN AREA
WETLANDS
EXISTING DRAINAGE
PROPOSED DRAINAGE
PROPOSED DIRECTION OF TRAVEL
EXISTING DIRECTION OF TRAVEL
PROPOSED BRIDGE
PROPOSED CULVERT
PROPOSED DRIVEWAY
PROPOSED DEPRESSED MEDIAN
PROPOSED MEDIAN
POTENTIAL DISPLACEMENT
PERMANENT EASEMENT
REMOVAL
LANE CLOSURE
CURVE ID
TANGENT ID

UTILITY LEGEND:

ELECTRICAL POWER POLE
ELECTRICAL POWER LINE
GAS LINE
COMMUNICATION LINE
WATER LINE

PLAN NOTES:

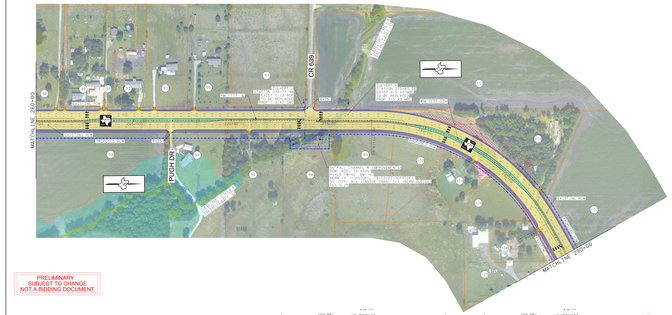
1. EXISTING FEATURES WERE FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS DATED 11-03-2020 AND RECORD PLANS.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PSAE DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NORMAL FACE OF CURB, UNLESS OTHERWISE NOTED (EP = EDGE OF PAVEMENT; FL = FLOWLINE). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, COLLIN COUNTY APPRAISAL DISTRICT.
6. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
7. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PSAE. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
8. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
9. BUILDINGS ARE SHOWN AS A PROPOSED DISPLACEMENT IF THE PROPOSED ROW IS WITHIN OR OVER THE EXISTING BUILDING STRUCTURE. IF THE BUILDINGS ARE SHOWN AS A POTENTIAL DISPLACEMENT IF THE PROPOSED ROW IS WITHIN OF OF THE EXISTING BUILDING STRUCTURE.
10. CONVENTIONAL ROADWAY SIGNAGE (WALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSAE PHASE OF THE PROJECT.
11. CURBS ARE TYPE II UNLESS OTHERWISE.
12. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASE UPON FEMA FLOOD INSURANCE STUDY NUMBER 48085C0420J.
13. THE PROPOSED HORIZONTAL ALIGNMENT DOES NOT REQUIRE SUPERELEVATION.

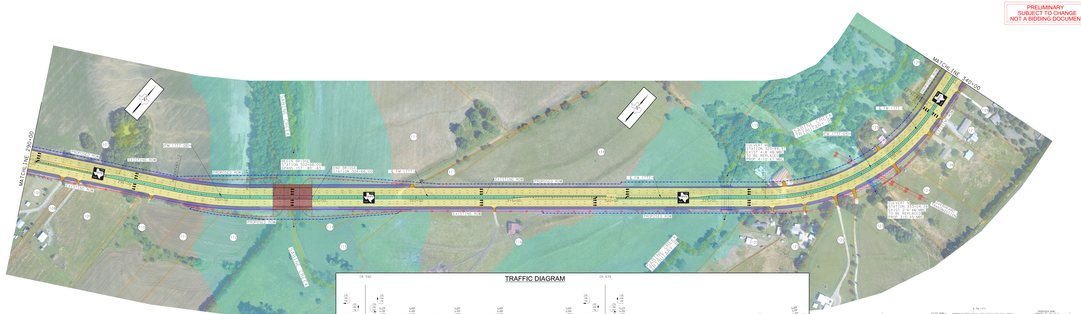
CURVE DATA

CURVE	BEGINING STATION	END STATION	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
FM 1777-C1	250+00.00	253+75.00	14° 47' 24.0"(RT)	2° 30' 00.0"	37.16	73.96	2,291.83
FM 1777-C2	253+86.00	255+72.00	14° 47' 24.0"(RT)	2° 30' 00.0"	37.16	73.96	2,291.83
FM 1777-C3	260+96.31	264+87.50	19°49'16.7"(RT)	2°30'00.0"(T)	65.94	131.72	1,945.00
FM 1777-C4	264+87.50	267+77.50	19°49'16.7"(RT)	2°30'00.0"(T)	65.94	131.72	1,945.00
FM 1777-C5	269+41.24	272+41.24	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C6	281+23.24	283+38.00	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C7	286+00.00	288+15.76	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C8	290+47.00	293+62.00	19°49'16.7"(RT)	2°30'00.0"(T)	65.94	131.72	1,945.00
FM 1777-C9	293+62.00	297+52.00	19°49'16.7"(RT)	2°30'00.0"(T)	65.94	131.72	1,945.00
FM 1777-C10	301+32.00	303+47.00	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C11	314+00.00	316+15.00	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C12	317+00.00	320+15.00	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C13	331+00.00	334+15.00	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00
FM 1777-C14	337+00.00	340+15.00	25°41'21.1"(RT)	2°30'00.0"(T)	85.11	169.91	1,718.00

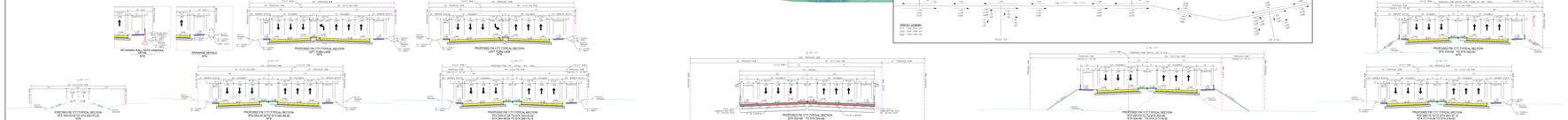
PARCEL DATA

PARCEL ID	OWNER	LANDUSE
06	MCKENZIE JOHN	FARMLAND
06	MCKENZIE JOHN W	FARMLAND
08	DAY NOLLIE	FARMLAND
09	DAY NOLLIE	FARMLAND
101	MCGRIFF ARENDO D	SINGLE FAMILY
103	MARTINEAU ELIZABETH	SINGLE FAMILY
104	MCGRIFF ARENDO D	FARMLAND
105	MCKENZIE JOHNNY W	FARMLAND
106	MCKENZIE JOHNNY W	RESIDENTIAL
107	ADE PLUS	FARMLAND
108	ADE PLUS	FARMLAND
109	DEUCE RSV DANIEL - INDIV ADMIN (AVOE FICDIAN) DUQUOT ESTATE OF	VACANT
110	JACKSAPATCH SANDRA	FARMLAND
111	JACKSAPATCH SANDRA	FARMLAND
112	SUDY KATHY A	FARMLAND
113	SUDY KATHY A	FARMLAND
114	SUDY KATHY A	FARMLAND
115	CLEVELAND-WILBRANDON & DONNETTA WEDLO CLEAVER	FARMLAND
116	CLEVELAND-WILBRANDON & DONNETTA WEDLO CLEAVER	FARMLAND
117	CLEVELAND-WILBRANDON & DONNETTA WEDLO CLEAVER	FARMLAND
118	CLEVELAND-WILBRANDON & DONNETTA WEDLO CLEAVER	FARMLAND
119	SHILLS JAMES EUNER	RESIDENTIAL
120	MATUTORE ANNA MARIA	SINGLE FAMILY
121	MCKENZIE J R, JR (HEIR RSV MCKENZIE	SINGLE FAMILY
122	ACOSTA CORNELIO M	SINGLE FAMILY
123	MATUTORE ANNA	SINGLE FAMILY
124	MATUTORE MARIA	SINGLE FAMILY
125	DYER RICHARD & DYER DEBORAH	RESIDENTIAL
126	MATUTORE GIANGA J	SINGLE FAMILY
127	SWEET ERRNA (SAINI & JULE MARIE MASSEY	SINGLE FAMILY
128	TOUPS ANNEMARY	SINGLE FAMILY



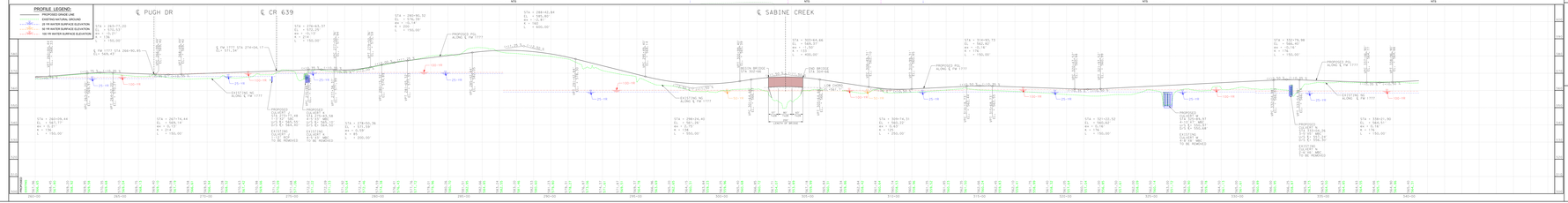


TRAFFIC DIAGRAM



PROFILE LEGEND:

PROPOSED GRADE LINE
EXISTING NATURAL GROUND
25 YR WATER SURFACE ELEVATION
50 YR WATER SURFACE ELEVATION
100 YR WATER SURFACE ELEVATION


PUGH DR
CR 639
SABINE CREEK
STA = 263+71.20
EL = 585.57
= 585.57
STA = 264+00.00
EL = 585.57
= 585.57
STA = 264+87.50
EL = 585.57
= 585.57
STA = 269+41.24
EL = 585.57
= 585.57
STA = 272+41.24
EL = 585.57
= 585.57
STA = 281+23.24
EL = 585.57
= 585.57
STA = 283+38.00
EL = 585.57
= 585.57
STA = 286+00.00
EL = 585.57
= 585.57
STA = 288+15.76
EL = 585.57
= 585.57
STA = 290+47.00
EL = 585.57
= 585.57
STA = 293+62.00
EL = 585.57
= 585.57
STA = 297+52.00
EL = 585.57
= 585.57
STA = 301+32.00
EL = 585.57
= 585.57
STA = 303+47.00
EL = 585.57
= 585.57
STA = 314+00.00
EL = 585.57
= 585.57
STA = 316+15.00
EL = 585.57
= 585.57
STA = 317+00.00
EL = 585.57
= 585.57
STA = 320+15.00
EL = 585.57
= 585.57
STA = 331+00.00
EL = 585.57
= 585.57
STA = 334+15.00
EL = 585.57
= 585.57
STA = 337+00.00
EL = 585.57
= 585.57
STA = 340+15.00
EL = 585.57
= 585.57
PROPOSED FL ALONG ℄ FM 1777
EXISTING FL ALONG ℄ FM 1777
PROPOSED
EXISTING
TO BE REMOVED
PROPOSED
EXISTING
TO BE REMOVED
PROPOSED
EXISTING
TO BE REMOVED