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DALLAS DISTRICT
CEASON G. CLEMENS, 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

DESIGN CRITERIA:

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

2026 ADT = 6,300
2036 ADT = 6,800
2056 ADT = 7,000

COUNTY: COLLIN
DATE: NOVEMBER 19, 2024

PUBLIC HEARING EXHIBIT - FM 1777
COLLIN COUNTY

COLLIN COUNTY

VICINITY MAP
N.T.S.

ENTECH
CIVIL ENGINEERS, INC.
FIRM # : 12732
3010 NORTH BRAZOS, SUITE 110 MESQUITE, TEXAS 75150
PHONE: 972-271-0696
FAX: 972-271-0697
TBPE REGISTRATION NO. F-12732

FINAL REVISED SCHEMATIC

SCHEMATIC PREPARED BY:
ENTECH CIVIL ENGINEERS, INC.
TBPE REGISTRATION NO. F-9002
FOR INTERIM REVIEW ONLY. NOT FOR CONSTRUCTION, BIDDING OR PERMITTING.
Prepared for and under the Direct Supervision of:
Kelsey A. Gaffaney
KELSEY A. GAFFANEY, P.E. 99004
LICENSED
STATE OF TEXAS
DATE

ROLL INDEX:
ROLL 3 FM 1777 RAMPLANES
STA. 290+00 TO STA. 340+00

SCALE
HORZ 100' 50' 200'
VERT 10' 5' 20'

ROLL 3 OF 5

Texas Department of Transportation
Design Division
Roadway Design Section
Roadway Plans Section
Mail Code: 1264
125 East 11th Street
Austin, Texas 78701-2483

KCI TECHNOLOGIES
ENGINEERS | PLANNERS | SURVEYORS | CONSTRUCTION MANAGERS
2010 North Brazos Road, Mesquite, TX 75074
Phone: 972-271-0696
www.kcitech.com
TBPE Registration No. F-10673

ROLL 3 OF 5

PLAN LEGEND:

- PROPOSED ℄
- PROPOSED EOP
- PROPOSED ROW
- PROPOSED ROW BY OTHERS
- PROPOSED DRAINAGE EASEMENTS
- PARCEL BOUNDARY
- EXISTING ROW
- TOP OF EMBANKMENT
- 100 YR FLOODPLAIN AREA
- WETLANDS
- PROPOSED DRAINAGE
- PROPOSED DRAINAGE
- PROPOSED DIRECTION OF TRAVEL
- EXISTING DIRECTION OF TRAVEL
- PROPOSED CURB
- PROPOSED ROADWAY
- PROPOSED ROADWAY BY OTHERS
- PROPOSED DRIVEWAY
- PROPOSED SIDEWALK
- PROPOSED RAMP
- POTENTIAL DISPLACEMENT
- PROPOSED DISPLACEMENT
- REMOVAL
- LANE CLOSURE
- CURVE DATA
- PARCEL ID

UTILITY LEGEND:

- ELECTRICAL POWER POLE
- OVERHEAD ELECTRIC POWER LINE
- UNDERGROUND ELECTRIC POWER LINE
- GAS OIL LINE
- FIBER OPTIC LINE
- TELEPHONE LINE
- TELE. CABLE
- WATER LINE
- WASTE WATER LINE
- FORCE MAIN

PLAN NOTES:

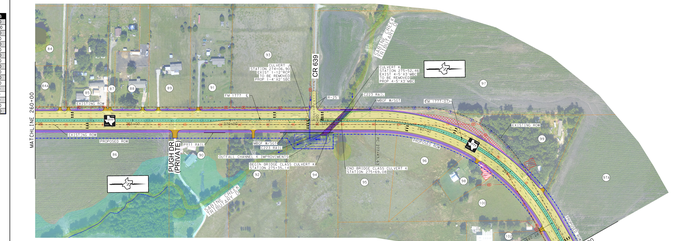
1. EXISTING FEATURES WERE FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS DATED 11-03-2020 AND RECORD PLANS.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PRE-DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NORMAL FACE OF CURB, UNLESS OTHERWISE NOTED. FOR ADDITIONAL DIMENSIONS, REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND WIDTHS.
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 PS&E. 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 25' OF THE EXISTING BUILDING STRUCTURE. BUILDINGS ARE SHOWN AS A POTENTIAL DISPLACEMENT IF THE PROPOSED ROW IS WITHIN 25' OF THE EXISTING BUILDING STRUCTURE.
10. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
11. CURBS ARE TYPE II UPLESS OTHERWISE NOTED.
12. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASE UPON FEMA FLOOD INSURANCE STUDY NUMBER 48085C0330E
13. THE PROPOSED HORIZONTAL ALIGNMENT DOES NOT REQUIRE SUPERELEVATION.

CURVE DATA.

CURVE ID	PI STATION	PC STATION	PT STATION	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
FM 1777-01	157+00.00	155+42.14	158+24.11	24° 05' 54.9" (RT)	3° 30' 00.0" (T)	131.86	261.95	1640.00
FM 1777-02	182+42.05	180+13.15	184+08.89	36° 45' 55.0" (RT)	3° 30' 00.0" (T)	208.84	395.84	1000.00
FM 1777-03	198+42.05	195+33.70	199+34.89	36° 45' 55.0" (RT)	3° 30' 00.0" (T)	208.84	401.19	1000.00
FM 1777-04	234+07.73	199+36.52	235+36.81	90° 32' 16.82" (LT)	3° 30' 33.5" (T)	3535.21	3629.79	1635.00
FM 1777-05	236+88.21	235+07.38	237+89.02	2° 51' 26.05" (RT)	1° 00' 00.36"	100.83	201.65	5729.60
FM 1777-06	244+21.14	242+12.57	245+10.57	2° 45' 45.69" (LT)	1° 00' 00.36"	98.43	195.15	5729.60
FM 1777-07	262+49.73	257+43.65	268+41.15	89° 27' 29.61" (RT)	3° 30' 33.5"	908.55	1097.58	1640.00
FM 1777-08	301+74.00	299+00.00	304+00.00	14° 00' 00.00" (RT)	3° 30' 00.0" (T)	250.00	500.00	1000.00
FM 1777-09	332+74.00	329+74.80	338+41.26	37° 58' 59.43"(LT)	3° 30' 33.5"	559.45	1066.46	1640.00
FM 1777-10	353+52.08	351+84.96	355+18.31	8° 59' 54.69"(RT)	1° 30' 34.20"	167.10	333.36	1910.00
FM 1777-11	390+70.41	384+97.87	396+55.51	27° 45' 00.00"(RT)	1° 30' 00.36"	557.55	1114.96	3819.60
FM 1777-12	411+00.00	409+00.00	413+00.00	11° 00' 00.00"(RT)	1° 30' 00.36"	200.00	400.00	3819.60
BOLLING MEADOWS BD-01	13+86.47	11+65.60	16+07.11	46° 37' 36.10"(RT)	8° 54' 11.30"	242.96	503.51	710.00
CR 639-01	12+52.37	11+43.74	14+32.38	33° 32' 26.10"(LT)	7° 27' 32.00"	148.28	258.29	500.00
CR 639-01	14+88.08	14+48.37	15+27.82	9° 04' 55.48"(LT)	7° 27' 32.00"	39.71	79.35	500.00
EAST ST-01	41+76.00	41+04.00	41+54.63	15° 27' 05.12" (LT)	5° 37' 33.10"	65.11	130.68	1040.00
EAST ST-02	41+91.74	41+54.63	42+51.72	13° 27' 05.12" (LT)	5° 37' 33.10"	95.11	189.68	1040.00

PARCEL DATA.

PARCEL ID	OWNER	LAND USE
81	JAMES DONNA B & BRANTLEY,	FARM AND
84	JAMES DONNA B & BRANTLEY,	FARM AND
85	MCCLURE SEAN MICHAEL	RESIDENTIAL
86	JOHNSON ALICE CLEORA	FARM AND
87	FERNANDEZ ANGEL DANIEL BAUTISTA & SALOMON BAUTISTA CERVANTES	RESIDENTIAL
88	& BEATRIZ FERNANDEZ BERMUDEZ & SAMUEL BAUTISTA FERNANDEZ	
89	FLORES FIDEL & LORELA PACHECO AMADOR	RESIDENTIAL
90	RODRIGUEZ JOSE & ROSA ELENA RODRIGUEZ	RESIDENTIAL
90	RODRIGUEZ GERARDO & ROSALUCIA RODRIGUEZ & DIONICIO	RESIDENTIAL
90	RODRIGUEZ JR & MARIA A RODRIGUEZ	
91	WARD DUN & SHIRLEY	RESIDENTIAL
92	MINISTERIO CONQUISTANDO LAS NACIONES PARA CRISTO	VACANT
93	TUFT PATRICIA A - EL ALLEN R TUFT & ROGER S TUFT & ROBERT D	VACANT
93	TUFT & RUSSELL L TUFT	
94	MCKENZIE JOHN	VACANT
95	MCKENZIE JOHN W	VACANT
96	MCKENZIE JOHN	VACANT
97	JIRA REJAE	FARM AND
98	MCKENZIE JOHN	VACANT
99	MCKENZIE JUDON	SINGLE FAMILY
99	MERRYMAN WILLIAM N	RESIDENTIAL
100	MCKENZIE KELLY	FARM AND
101	MCKENZIE JOHNNY W	RESIDENTIAL
101A	MCKENZIE JOHN	RESIDENTIAL
102	MCKENZIE JOHNNY W	FARM AND
103	SAYLA DOS LCONTRERAS & JUAN DIAZ ALMARAZ	COMMERCIAL
104	JAYAPRATHY ANOWA	FARM AND
104A	JAYAPRATHY ANOWA	FARM AND
105	CANTRELL LUTHER LACALADRE	FARM AND
106	LOCKETT LEE	FARM AND
107	LOCKETT LEE	FARM AND
108	CUMMIO BETH BRANDON & KENNETH WESLEY CUMMIO	FARM AND
109	CUMMIO BETH BRANDON & KENNETH WESLEY CUMMIO	FARM AND
110 & 111	CUMMIO BETH BRANDON & KENNETH WESLEY CUMMIO	FARM AND
112	DELGADO PEDRO MORALES & JUAN SANCHEZ SANCHEZ	SINGLE FAMILY
113	MCKENZIE DEONA	SINGLE FAMILY
114	MCKENZIE JOHNNY REX & JIMMY REX MCKENZIE	SINGLE FAMILY
115	DEZIDA CORNELIO JR & NANCY E DEZIDA	SINGLE FAMILY
116	MCKENZIE JIMMY REX & TAMMY	SINGLE FAMILY
117	MARQUEZ NEWA	VACANT
118	235 HUFFINES LTD	RESIDENTIAL
119	CUMMIO BETH BRANDA L	SINGLE FAMILY
120	5338 TIRA INC	SINGLE FAMILY
121	SIMS CHASE DYLAN	SINGLE FAMILY
122	STRICKLAND LARRY E & BARBARA I	FARM AND



NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION

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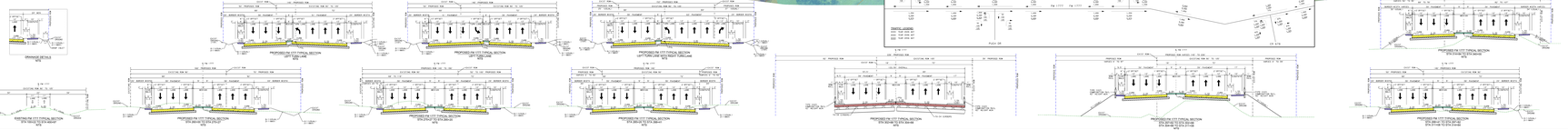
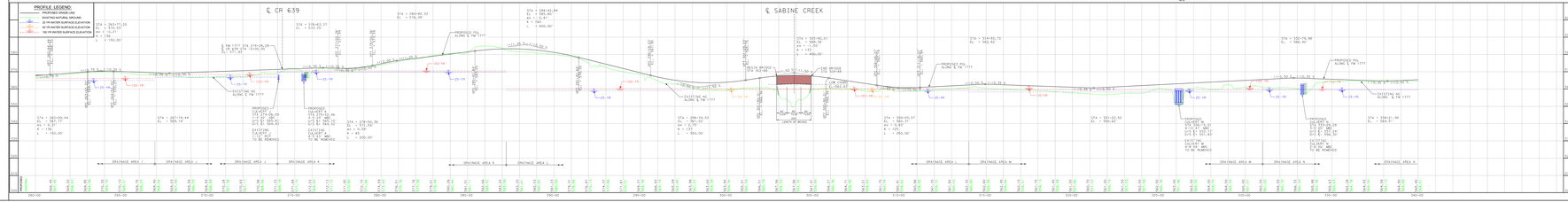
TRAFFIC DIAGRAM





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