Texas Department of Transportation
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DALLAS DISTRICT
CEASON G ELEMENS, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
FM 6
COLLIN COUNTY

CSJ: 0619-01-027
FROM: SH 78
TO: HUNT COUNTY LINE
NET LENGTH OF PROJECT = 7.88 MI
ROADWAY = 7.63 MI
BRIDGE = 0.05 MI

DESIGN CRITERIA:

FUNCTIONAL CLASSIFICATION: URBAN MAJOR COLLECTOR
DESIGN LOADING: HS-20
DESIGN SPEED: 45 MPH – URBAN STREET
DESIGN SPEED (CROSS ST): VARIES 30 MPH TO 50 MPH

ADT (2020) = 12,100
ADT (2040) = 18,000
ADT (2050) = 18,600

LOCATION MAP

N.T.S.

60% DRAFT

SCHEMATIC PREPARED BY
KLC ENGINEERING
TBPE REGISTRATION NO. F-1075
PRELIMINARY SCHEMATIC DESIGN AND PRELIMINARY ENVIRONMENTAL ANALYSIS ONLY
Prepared for and under the Direct Supervision of:
JAMES R. CLAY, P.E. 115 SEALED 10/13/2022
SCHEMATIC ENGINEER
DATE

ROLL INDEX:

ROLL 1: FM 6 MAINLANES
STA. 4+00.00 TO STA. 110+00
ROLL 2: FM 6 MAINLANES
STA. 110+00 TO STA. 220+00
ROLL 3: FM 6 MAINLANES
STA. 220+00 TO STA. 329+00
ROLL 4: FM 6 MAINLANES
STA. 329+00 TO STA. 423+00.00

HORIZONTAL SCALE
1" = 50'
VERTICAL SCALE
1" = 10'

ROLL 1 OF 4

KLC ENGINEERING
Consulting Engineers | Excellence | Commitment | Mission
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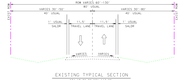
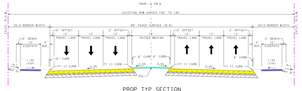
TBPE Registration No. F-1075

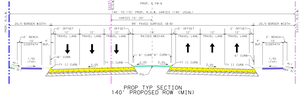
COUNTY: COLLIN
DATE: OCTOBER 2022

GEOMETRIC SCHEMATIC - FM 6
COLLIN COUNTY

ROLL 1 OF 4







PLAN LEGEND:

PROPOSED ⊕
PROPOSED R.O.W.
PROPOSED ⊥
PROPOSED PEDESTRIAN RAIL
REGULATORY FLOODWAY
100-YR FLOODPLAIN, FIRM
100-YR FLOODPLAIN, FIS
PARCEL LINE
PROPERTY LINE
PROPOSED DRAINAGE
EXISTING DRAINAGE
EXISTING DIRECTION OF TRAVEL
EXISTING DIRECTIONAL CONTROL
PROPOSED BRIDGE
PROPOSED CULVERT
PROPOSED DRIVEWAY
PROPOSED SIDEWALK
PROPOSED CURB RAMP
CONCRETE
DEPLANEMENT
BRIDGE REPLACEMENT
BRIDGE REMOVAL
CURVE ID
PARCEL ID

PLAN LEGEND:

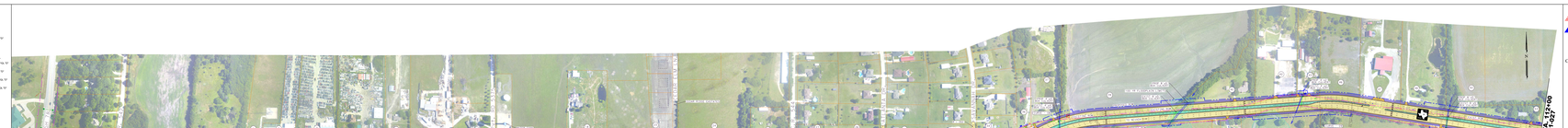
COMMUNICATIONS, TP
COMMUNICATIONS, TY, "CTS, TP"
COMMUNICATIONS, TY
POWER LINE UG, TY
GAS LINE UG, TP
GAS LINE UG, TY, "GTS, TP"
SANITARY SEWER LINE UG, TP
SANITARY SEWER LINE UG, TY, "STS, TP"
STORM SEWER LINE UG, TP
STORM SEWER LINE UG, TY, "STS, TP"
POTABLE WATER LINE UG, TP
POTABLE WATER LINE UG, TY, "WTS, TP"
TRAFFIC SIGNAL LINE UG, TP
TRAFFIC SIGNAL LINE UG, TY, "TS, TP"
FIBER OPTIC LINE UG, TP
FIBER OPTIC LINE UG, TY, "FOTS, TP"
FLOWLINE

GENERAL NOTES:

1. EXISTING PICTURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON DIGITAL SURVEYS DATED 03-01-2020 AND 05/27/2020 PLANS.
2. FINAL LOCATION OF DRAINAGE STRUCTURES WILL BE DETERMINED IN THE FINAL DESIGN PHASE BASED ON FIELD SURVEY, HYDROLOGY, HYDRAULICS, ENVIRONMENTAL
3. SURVEYED LOCATION LISTED OR PICTURED ALL ABOUT THE FOLL
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR MARKING, FACE OF CURB, RAIL, BARRIER, OR WALL UNLESS NOTED OTHERWISE.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS AND FLOOD INSURANCE STUDY DATED 06/07/2018.
6. DRAINAGE INFORMATION SHOWN ON SCHEMATIC DETAILED FROM COLLIN COUNTY APPRAISAL DISTRICT. LATEST DATA AVAILABLE AS OF SEPTEMBER 2022.
7. EXISTING UTILITY LOCATIONS, AND AND ELEVATIONS DETAILED FROM UTILITY DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. HEX PAINT AND BEDDING LINE (SHARRIBOW) ON TWO WAY RDL ARE ORDINARILY DURING PAINT, SERVICING AND SHOWN ON TYPICAL SECTIONS.
9. CONSTRUCTION OF PROPOSED ROADWAY, DRAINAGE, UTILITIES, AND ALL CONTAMINATION MAY FALL OUTSIDE ACQUIRED RIGHT OF WAY DURING CONSTRUCTION. ALL ACCESSIBLE PATHS ACCESS CONTROL LIMITS.
10. PROPOSED ALIGNMENT MAY BE ADJUSTED DURING FINAL DESIGN AS NEEDED TO MAXIMIZE THE EFFECTIVENESS OF THE PROPOSED IMPROVEMENTS.
11. CONSTRUCTION, WITHOUT DEMOLITION, SHALL BEGIN AND NOT EXCEED AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
12. EXISTING PAVEMENT REMOVALS LOCATED WITHIN LIMITS OF PROPOSED PAVEMENT WIDENING SHALL BE PAID FOR UNDER PAVEMENT REMOVAL.
13. TYPICAL DIRECTIONS ARE FOR REFERENCE ONLY. ALL DIRECTIONS ARE AS SEEN FOR GENERAL STREETS UNLESS NOTED OTHERWISE.
14. CURVE AND TYPE OF LINE UNLESS NOTED OTHERWISE.

CURVE DATA TABLE:

CURVE ID	CURVE ID	CURVE ID
CV 1 PI = 4+78.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 4+78.00 P.T. = 4+78.00	CV 2 PI = 7+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 7+00.00 P.T. = 7+00.00	CV 3 PI = 9+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 9+00.00 P.T. = 9+00.00
CURVE ID	**CURVE ID**	**CURVE ID**
CV 4 PI = 9+50.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 9+50.00 P.T. = 9+50.00	CV 5 PI = 10+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 10+00.00 P.T. = 10+00.00	CV 6 PI = 11+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 11+00.00 P.T. = 11+00.00
CURVE ID	**CURVE ID**	**CURVE ID**
CV 7 PI = 12+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 12+00.00 P.T. = 12+00.00	CV 8 PI = 13+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 13+00.00 P.T. = 13+00.00	CV 9 PI = 14+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 14+00.00 P.T. = 14+00.00
CURVE ID	**CURVE ID**	**CURVE ID**
CV 10 PI = 15+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 15+00.00 P.T. = 15+00.00	CV 11 PI = 16+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 16+00.00 P.T. = 16+00.00	CV 12 PI = 17+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 17+00.00 P.T. = 17+00.00
CURVE ID	**CURVE ID**	**CURVE ID**
CV 13 PI = 18+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 18+00.00 P.T. = 18+00.00	CV 14 PI = 19+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 19+00.00 P.T. = 19+00.00	CV 15 PI = 20+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 20+00.00 P.T. = 20+00.00
CURVE ID		
CV 16 PI = 21+00.00 DELTA = 0°00'00" (LT) DEGREE = 0°00'00" RADIUS = 0.00' LENGTH = 0.00' TANGENT = 0.00' P.C. = 21+00.00 P.T. = 21+00.00		



TRAFFIC DIAGRAM