Texas Department of Transportation

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DISTRICT: DALLAS
COUNTY: COLLIN
DATE: AUGUST 2022

US 380 PRINCETON
PUBLIC MEETING
PRELIMINARY DESIGN SCHEMATIC

ROLL 1 OF 6

Texas Department of Transportation

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DALLAS DISTRICT
PUBLIC MEETING
PRELIMINARY DESIGN SCHEMATIC

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

US 380 PRINCETON
COLLIN COUNTY, TEXAS

PROJECT LIMIT: FROM FM 1827 TO CR 560
LENGTH OF PROJECT(APPROXIMATELY)=11.8 MI

CSJ 0135-03-056
FROM FM 1827 TO JCT US 380/W. PRINCETON DRIVE

CSJ 0135-16-002
FROM JCT US 380/W. PRINCETON DRIVE
TO JCT US 380/E. PRINCETON DRIVE

CSJ 0135-04-036
FROM JCT US 380/E. PRINCETON DRIVE TO CR 560

ROADWAY TYPE	FUNCTIONAL CLASS	DESIGN SPEED
US 380 MAINLANES	URBAN FREEWAY	70 MPH
US 380 RAMPS	URBAN FREEWAY	50 MPH
US 380 FRONTAGE ROADS	URBAN COLLECTOR	45 MPH
US 380 TURNAROUNDS	URBAN COLLECTOR	20 MPH
US 380 EXISTING	URBAN PRINCIPAL ARTERIAL	40 MPH
BUS US 380	URBAN PRINCIPAL ARTERIAL	40 MPH
CR 404	URBAN MAJOR ARTERIAL	40 MPH
CR 408	URBAN MAJOR COLLECTOR	40 MPH
FM 75	URBAN MAJOR COLLECTOR	40 MPH
FM 1377	URBAN MAJOR COLLECTOR	40 MPH
CR 458	URBAN PRINCIPAL ARTERIAL	40 MPH
CR 559	URBAN LOCAL	30 MPH

NOTE: DESIGN SPEEDS APPLY UNLESS OTHERWISE NOTED ON SCHEMATIC.

TRAFFIC DATA

ADT (2030) = 78,125
ADT (2050) = 119,650
ADT (2060) = 134,675

% TRUCKS:
ADT = 4.2
DHV = 3.4
K = 8.9
DD = 58

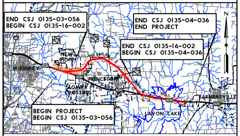
SOURCE: TxDOT TRANSPORTATION PROGRAMMING AND PLANNING DIVISION
MEMO DATED: AUGUST 31, 2020

SCALE: 1"=200' H, 1"=20' V

AUGUST 2022

LEGEND:

- — · — EXISTING ROW
- — · — PROPOSED ROW
- ·I·I·I· PROPOSED ACCESS DENIAL
- — · — PROPOSED CENTERLINE/BASELINE
- 🟨 PROPOSED MAINLANES
- 🟩 PROPOSED FRONTAGE ROAD
- 🟪 PROPOSED RAMP
- ▆ PROPOSED CROSS STREET
- ▆ PROPOSED TURNAROUND
- ◀ PROPOSED GORE
- ▆ PROPOSED SHARED USE PATH
- ▆ PROPOSED DRIVEWAY
- ▆ PROPOSED BRIDGE
- ▆ PROPOSED SHOULDER
- 🟧 PROPOSED RAISED MEDIAN
- ┴┴┴ PROPOSED RETAINING WALL
- ▨ POTENTIAL DISPLACEMENTS
- ▩ PAVEMENT/BRIDGE REMOVAL
- —— EXISTING PROPERTY LIMITS
- 100 PARCEL ID
- ⇨ EXISTING DIRECTION OF TRAVEL
- ➡ PROPOSED DIRECTION OF TRAVEL
- — — — CITY LIMIT
- 🔴🟡🟢 SIGNALIZED INTERSECTION
- ▆ USACE AND PARKS
- ⟶ CREEKS AND TRIBUTARIES
- 🟦 LAKE
- ▨ WETLAND
- ▆ 100-YR FLOOD PLAIN
- ⊏⊐ EXISTING CULVERT CROSSING
- ⊏⊐ PROPOSED CULVERT CROSSING
- — — — EXISTING EASEMENT USAGE
- — — — PROPOSOSED EASEMENT USAGE


END CSJ 0135-03-056
BEGIN CSJ 0135-16-002
END CSJ 0135-04-036
END PROJECT
END CSJ 0135-16-002
BEGIN CSJ 0135-04-036
NEW HOPE
McKINNEY
PRINCETON
LOWRY CROSSING
FARMERSVILLE
LAVON LAKE
BEGIN PROJECT
BEGIN CSJ 0135-03-056
N

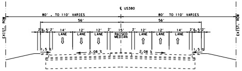
LOCATION MAP (NTS)

PREPARED BY AECOM TECHNICAL SERVICES, INC. TBPE NUMBER F-3580:
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.

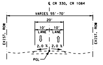
Prepared by or under the Direct Supervision of:

BRAD M. HERNANDEZ	100079	JEFF S. PUSKOS, JR.	97526
NAME	P.E. NUMBER	NAME	P.E. NUMBER

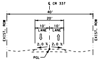
AECOM
13355 NOEL ROAD
SUITE 400
DALLAS, TEXAS 75240
214-741-7777



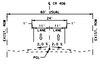
EXISTING US 380 TYPICAL SECTION
FM 1827 TO BUS 380 TIE-IN
NOT TO SCALE
NOTE: EXISTING TYPICAL SECTION SHOWS A 6-LANE SECTION PER CSJ 0135-03-046 AND IS SCHEDULED TO LET IN 2023.



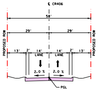
EXISTING CR 330, CR 1084 TYPICAL SECTION
NOT TO SCALE



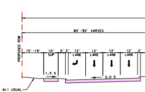
EXISTING CR 337 TYPICAL SECTION
NOT TO SCALE



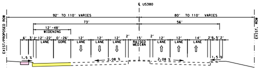
EXISTING CR 406 TYPICAL SECTION
NOT TO SCALE



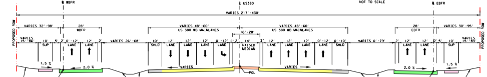
FUTURE CR 406 TYPICAL SECTION
NOT TO SCALE



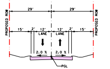
FUTURE CR 404



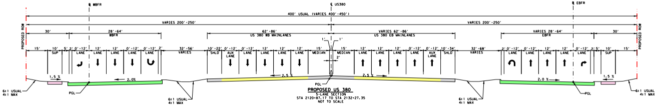
PROPOSED US 380 TRANSITION
STA 2086+61.09 TO STA 2106+39.42
NOT TO SCALE



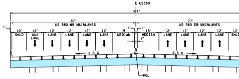
PROPOSED US 380 TRANSITION
STA 2106+39.42 TO STA 2120+87.17
NOT TO SCALE



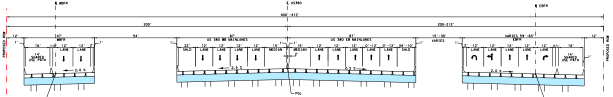
PROPOSED CR 330, CR 1084
NOT TO SCALE



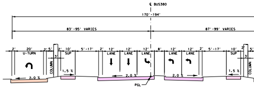
PROPOSED US 380
5-LANE SECTION
STA 2120+87.17 TO STA 2132+27.35
NOT TO SCALE



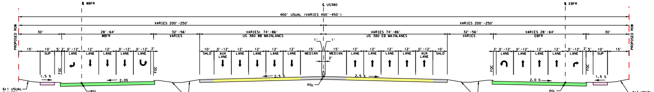
PROPOSED US 380 BRIDGE TYPICAL SECTION
AT CR 404



PROPOSED US 380 BRIDGE SECTION
STA 2132+27.35 TO STA 2159+85.35
NOT TO SCALE

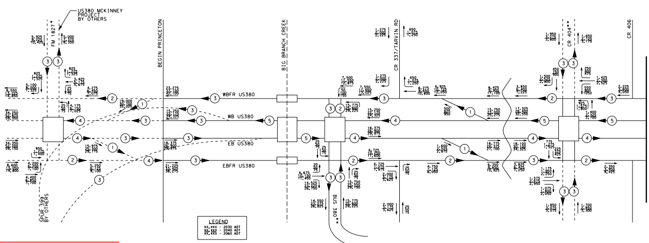


PROPOSED BUS 380 TYPICAL SECTION
AT ℄ OF US380
NOT TO SCALE



PROPOSED US 380
4-LANE SECTION WITH AUX LANE
STA 2149+23.35 TO STA 2195+00.00
NOT TO SCALE

TRAFFIC DIAGRAM
(NTS)


US380 MCKINNEY PROJECT BY OTHERS
FM 1827
BEGIN PRINCETON
BIG BRANCH CREEK
CR 337/TARVIN RD
CR 404**
CR 406
WBFR US380
WB US380
EB US380
EBFR US380
SPUR 399 BY OTHERS
BUS 380**
LEGEND
XX,XXX - 2030 ADT
XX,XXX - 2040 ADT
XX,XXX - 2060 ADT

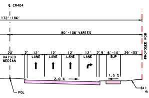
MATCH LINE SHEET 2 OF 12

PRELIMINARY
SUBJECT TO CHANGE

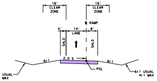
* NUMBER OF TRAVEL LANES BASED ON COLLIN COUNTY THOROUGHFARE PLAN OF AUGUST 26, 2020.
** NUMBER OF TRAVEL LANES BASED ON CITY OF PRINCETON THOROUGHFARE PLAN OF JUNE 2018.
{ GROWTH RATE SECTION BREAK.

PROPERTY OWNERS

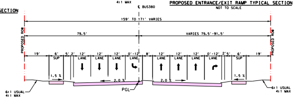
PARCEL	OWNER	OCCUPANT
100	CITY OF MCKINNEY	CITY LAND
101	DOUGLAS, BRAD	OPEN-SPACE AGRCULTURAL LAND
102	PATEL, MALTI	RESIDENTIAL
103	BLACK, KELLY & AMY	OAKCREST
104	SERENO, CARLOS	RESIDENTIAL
105	SERENO, SIMON	RESIDENTIAL
106	SERENO, SIMON	VACANT
107	HOPE 380 HOLDINGS LLC	VACANT
108	PANNKUK, BOBBY JR. & SPURGIN MONTY	VACANT
109	P4 HOLDINGS LLC	TEXAS ARCHERY
110	WEBSTER, RICKY JACK JR	RESIDENTIAL
111	MASTER HALCO INC	MASTER HALCO FENCE SYSTEMS
112	OSTTEND LANDFILL LTD	MCKINNEY LANDFILL
113	PHASE 17 INVESTMENTS LP	OPEN-SPACE AGRCULTURAL LAND
114	KAYASA HOLDINGS LLC	VACANT
115	NO INFORMATION AVAILABLE	VACANT
116	NO INFORMATION AVAILABLE	VACANT
117	MCCLELLAN BILLY J & AMY &	GEAR ONE AUTO BODY
118	BORG FMILY LTD	BORG CONSTRUCTION
119	MCCLELLAN BILLY JOEL & AMY GAIL	BRAD MCCLELLAN SAND AND GRAVEL
120	MCCLELLAN JOE & AMY	380 RV & MINI STORAGE
121	MCCLELLAN AMY GAIL & BILLY JOEL	380 RV & MINI STORAGE
122	NESHYBA RYAN & MISTY	RED RIVER SUTO AND 4-WHEEL DRIVE
123	YOHANNAN PRINSON	CANDOR MOTORS
124	VALLE ISRAEL D & ALMA	RESIDENTIAL
125	HARLOW BILLY JOE	RESIDENTIAL
126	CALDWELL D L	RESIDENTIAL
127	BECHTHOLD SCOTT S & JULIA G	RESIDENTIAL
128	MEZA DIANA	RESIDENTIAL
129	ALLISON ROBIN ALICE	VACANT
130	ALLISON ROBIN ALICE	VACANT
131	ALLISON ROBIN ALICE & RICHARD WARREN BUMP	RESIDENTIAL
132	A&T INVESTMENTS & HOLDINGS INC & JAYASRI DEVALAPALLI &	RESIDENTIAL
133	A&T INVESTMENTS & HOLDINGS INC & JAYASRI DEVALAPALLI &	RESIDENTIAL
134	DIAZ, CAROLINA	RESIDENTIAL
135	DIAZ, CAROLINA	RESIDENTIAL
136	BARROSO, JERONIMO	RESIDENTIAL
137	GARCIA, MIGUEL ANGEL	RESIDENTIAL
138	GRIMES, MARIA E	RESIDENTIAL
139	PATEL, ARTI	RESIDENTIAL
140	CCCC PARTNERS LTD	RESIDENTIAL
141	DUNN CALLIE MESSINA	RESIDENTIAL
142	KHORASAN PROPERTIES LLC	RESIDENTIAL
143	EVANS NAYELI	RESIDENTIAL
144	CHURCHILL BENSON	PHOENIX VENUE
145	CENTRAL BAPTIST CHURCH	CENTRAL BAPTIST CHURCH
146	CENTRAL BAPTIST CHURCH	CENTRAL BAPTIST CHURCH
147	CHURCHILL, BENSON	RESIDENTIAL
148	BENSON O I CHURCHILL AGENCY CORP	BENPAPA INSURNCE
149	PERRY ANTHONY JAMES &	RESIDENTIAL
150	OQUIST JESSE &	COMMON AREA
151	COWLISHAW THOMAS W & NANCY A	RESIDENTIAL
152	JONES BOB A & PEGGY J	RESIDENTIAL
153	WILLINGHAM, RANDY	RESIDENTIAL
154	BALDERRAMA, RACHEL R	RESIDENTIAL
155	PETERS ROBERT & ROBERT EARL PETERS & LINDA RUTH PETERS & DAVID LEE PETERS	RESIDENTIAL
156	CENTRAL BAPTIST CHURCH	CENTRAL BAPTIST CHURCH
157	FLEENER CLAUD E & BEVERLY S	RESIDENTIAL
158	WILDER SCHARLOTTE LAVERNE	RESIDENTIAL
159	OGDON LIVING TRUST & OGDON FAMILY TRUST	RESIDENTIAL
160	COWLISHAW TOM W & NANCY	OPEN-SPACE AGRCULTURAL LAND
161	COWLISHAW THOMAS W & NANCY A	OPEN-SPACE AGRCULTURAL LAND
162	DOUGLAS CHARLES B & KIMBERLY	OPEN-SPACE AGRCULTURAL LAND
163	COLLIN COUNTY BOAT & RV LLC	COLLIN COUNTY BOAT & RV
178-A	BAKER BETTY J G &	RESIDENTIAL
178-B	DOUGLAS CHARLES B	RESIDENTIAL
178-C	LOZA EFREN & ANTHONIA	RESIDENTIAL
178-D	ROSARIO ROBERT & NORA ROSARIO	RESIDENTIAL
178-E	2020 M B STEELE REVOCABLE TRUST	RESIDENTIAL
178-F	HARRIS, HORACE ANTHONY	RESIDENTIAL
178-G	SCHWARZ NOAH HERSHEL & ANGELA MOLTZAN	RESIDENTIAL
171	FLEENER CLAUD E & BEVERLY S	RESIDENTIAL
172	WILDER SCHARLOTTE LAVERNE	RESIDENTIAL
173	OGDON LIVING TRUST & OGDON FAMILY TRUST	RESIDENTIAL
174	COWLISHAW TOM W & NANCY	OPEN-SPACE AGRCULTURAL LAND
175	COWLISHAW THOMAS W & NANCY A	OPEN-SPACE AGRCULTURAL LAND
176	DOUGLAS CHARLES B & KIMBERLY	OPEN-SPACE AGRCULTURAL LAND
177	COLLIN COUNTY BOAT & RV LLC	COLLIN COUNTY BOAT & RV
178-A	BAKER BETTY J G &	RESIDENTIAL
178-B	DOUGLAS CHARLES B	RESIDENTIAL
178-C	LOZA EFREN & ANTHONIA	RESIDENTIAL
178-D	ROSARIO ROBERT & NORA ROSARIO	RESIDENTIAL
178-E	2020 M B STEELE REVOCABLE TRUST	RESIDENTIAL
178-F	HARRIS, HORACE ANTHONY	RESIDENTIAL
178-G	SCHWARZ NOAH HERSHEL & ANGELA MOLTZAN	RESIDENTIAL


℄ CR404
172'-186'
80'-106' VARIES
20'
RAISED MEDIAN
2'
12' LANE
12' LANE
12' LANE
12' LANE
2'5'
6'-10' SUP
29'-33'
PROPOSED ROW
2.0 %
1.5 %
PGL
6:1 USUAL
4:1 MAX

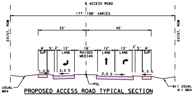
TYPICAL SECTION
TO SCALE


16' CLEAR ZONE
16' CLEAR ZONE
℄ RAMP
4'
14' LANE
8'
SHLD
SHLD
2.0 %
PGL
6:1
6:1
6:1 USUAL
4:1 MAX
6:1 USUAL
4:1 MAX

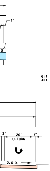
PROPOSED ENTRANCE/EXIT RAMP TYPICAL SECTION
NOT TO SCALE

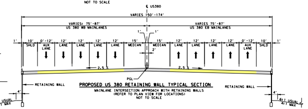

℄ BUS380
159' TO 171' VARIES
79.5'
VARIES 79.5'-91.5'
PROPOSED ROW
PROPOSED ROW
19'
6' SUP
5'
2'
12' AUX LANE
12' LANE
12' LANE
12' LANE
0'-12'
8'
12' LANE
12' LANE
12' LANE
0'-12'
2'5'
6' SUP
19'
1.5 %
2.0 %
2.0 %
1.5 %
PGL
6:1 USUAL
4:1 MAX
6:1 USUAL
4:1 MAX

PROPOSED BUS 380 TYPICAL SECTION
NOT TO SCALE


℄ ACCESS ROAD
177'-198' VARIES
33'
45'
EXIST. ROW
EXIST. ROW
6' SUP
5'
2'
12' LANE
16' RAISED MEDIAN
12' LANE
12' LANE
2'
5'
6' SUP
1.5 %
2.0 %
2.0 %
1.5 %
PGL
6:1 USUAL
4:1 MAX
6:1 USUAL
4:1 MAX

PROPOSED ACCESS ROAD TYPICAL SECTION
NOT TO SCALE


1'
2'
20' U-TURN
2'
2.0 %


℄ US380
VARIES 150'-174'
VARIES: 75'-87' US 380 WB MAINLANES
VARIES 75'-87' US 380 EB MAINLANES
1'
10' SHLD
0'-12' AUX LANE
12'
12'
12'
12'
15' MEDIAN
15' MEDIAN
12'
12'
12'
12'
0'-12' AUX LANE
10' SHLD
1'
2.5 %
2.5 %
PGL
RETAINING WALL
RETAINING WALL
4'
4'
6:1 USUAL
4:1 MAX
6:1 USUAL
4:1 MAX

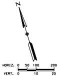
PROPOSED US 380 RETAINING WALL TYPICAL SECTION
MAINLANE INTERSECTION APPROACH WITH RETAINING WALLS
(REFER TO PLAN VIEW FOR LOCATIONS)
NOT TO SCALE

PROPERTY OWNERS

PARCEL	OWNER	OCCUPANT
178-H	MADHU, DANA D	RESIDENTIAL
178-I	BOHMAN STEVEN A & DEBORAH A	RESIDENTIAL
178-J	VALDIVIA, MIGUEL ANGEL	RESIDENTIAL
178-K	WILLIS, DAVID LEE	RESIDENTIAL
178-L	PARKER JOHNNY WEBB &	RESIDENTIAL
178-M	BATES THOMAS & KATHLEEN	RESIDENTIAL
178-N	CALDER BRIAN & ANNA	RESIDENTIAL
178-O	SPRADLIN TED E &	RESIDENTIAL
179	THE JUANITA MASSEY BREEDING PEGGY SUCCESSOR TRUSTEE	FARM
180	IVP PREH LLC 2524 SERIES	RESIDENTIAL
181	IVP PREH LLC 2520 SERIES	RESIDENTIAL
182	POTTER THOMAS WESLEY & RONALD LEE POTTER	RESIDENTIAL
183	CEMETERY	CEMETARY - JOHNSON
184	HORNE ANITA LOUISE	VACANT
185	SMITH STEVEN C &	RESIDENTIAL
186	MCINTOSH, TODD	RESIDENTIAL
187	DOUGLAS CHARLES B & KIMBERLY	VACANT
188	WILLIAMS, JOHN M	RESIDENTIAL
189	SPURGIN, KIMA	OPEN-SPACE AGRCULTURAL LAND
190	JACKSON FAMILY LIVING TRUST	VACANT
191	SPURGIN, KIMA	RESIDENTIAL
192	HORNE GREGORY ALAN	RESIDENTIAL
193	HORNE GREGORY ALAN	OPEN-SPACE AGRCULTURAL LAND
194	HORNE GREGORY ALAN	OPEN-SPACE AGRCULTURAL LAND
195	HORNE ANITA LOUISE	OPEN-SPACE AGRCULTURAL LAND
196	SISSON ANDREW LAWRENCE & ERIN LOUISE	RESIDENTIAL
197	FEAGIN LIVING TRUST	VACANT
198	MA ALICE	ARTURO'S AUTO REPAIR
1100	PATTON JOSEPH MICHAEL II	OPEN-SPACE AGRCULTURAL LAND
1101	ETHAN MC PROPERTY LLC - SERIES L	OPEN-SPACE AGRCULTURAL LAND
1102	JONES KATHY W & KENNETH	RESIDENTIAL
1103	CALDWELL D L	RESIDENTIAL
1104	LAWSON LIVING TRUST	VACANT
1105	KHORASAN PROPERTIES LLC	RESIDENTIAL
1106	HERNANDEZ ALEJANDRO LOPEZ & MARIA DOLORES PAREDES CERVANTES	RESIDENTIAL
1107	APOSTOLIC CHURCH OF JESUS	APOSTOLIC CHURCH OF JESUS CHRIST
1108	SARVER MILDRED	RESIDENTIAL
1109	COLLIN COUNTY RECYCLERS INC	ROY MILLER AUTO SALVAGE
1110	RELEMKE TRUST	RESIDENTIAL
1111	COLLIN COUNTY RECYCLERS INC	ROY MILLER AUTO SALVAGE
1112	MCCLELLAN AMY HINES	SOUTHWEST VALVE SERVICE
1113	MCCLELLAN , AMY HINES	VACANT
1114	MCCLELLAN , AMY HINES	RESIDENTIAL
1115	MCCLELLAN, BRADLEY	RESIDENTIAL
1116	HOLLAND GERALD C	J&J TIRES
1117	IZAGUIRRE, CRESENCIO	RESIDENTIAL
1118	RAFAELOV MOSHE	RESIDENTIAL
1119	RAFAELOV, MOSHE	COMMERICAL
1120	WRIGHT FREDDIE	BIG CITY TIRE
1121	NORTH COLLIN SPECIAL UTILITY DISTRICT	NORTH COLLIN WATER SUPPLY CORP
1122	NORTH COLLIN SPECIAL UTILITY DISTRICT	NORTH COLLIN WATER SUPPLY CORP
1123	RODRIGUEZ MAURO G	COLLIN COUNTY TRUCK PARTS & DRIVE SHAFT SERVICE
1124	AZAMI MOHAMMAD S &	PARKWAY AUTO SALES
1125	THE COLLINS PROPERTY CO	VACANT
1126	BEST WAY PROPERTIES LLC	RESIDENTIAL
1127	AREVALO-FRANCO, ARTURO	RESIDENTIAL
1128	2530 DFW UNIVERSITY LLC	PROGRESSIVE WATER TREATMENT, INC
1129	BERHOW, JEAN J	RESIDENTIAL
1130	RODRIGUEZ, ERNESTO F	COMMERICAL
1131	COSTELLO LAWRENCE J & DALE	RESIDENTIAL
1132	GONZALES, TERRY GLENN	RESIDENTIAL
1133	RODRIGUEZ, ERNESTO F	RESIDENTIAL
1134	HERNANDEZ GONZALO & ANTONIA A	HERNANDEZ AUTO
1135	GAO XIAODONG & JIAQIAN DENG	TEXAS METAL COMPANY
1136	GAO XIAODONG & JIAQIAN DENG	TEXAS METAL COMPANY
1137	TEXAS RND LLC	TEXAS METAL COMPANY
1138	TEXAS RND LLC	TEXAS METAL COMPANY
1139	DYNAMIX INVESTMENT LLC	VIVID AUTO BODY SHOP
1140	RILEY, DEBBIE TATE	COLLIN COUNTY VSF
1141	MONARCH GROUP LLC	LONE STAR WRECKER
1142	MALDONADO, MARTIN	COMMERCIAL
1143	MALDONADO, MARTIN	VACANT
1144	JOHNSON CURTIS L & DEBRA M	RESIDENTIAL
1145	CARROLL, BILLY CLAUDE	RESIDENTIAL
1146	CALATX PROPERTIES LLC	VACANT
1147	DALLAS ROSE PROPERTY COMPANY LLC	VACANT
1148	COLLIN COUNTY	COUNTY LAND
1149	OWEN MIKE A/K/A EDDY MIKE OWEN &	VACANT
1143	MALDONADO, MARTIN	VACANT
1144	JOHNSON CURTIS L & DEBRA M	RESIDENTIAL
1145	CARROLL, BILLY CLAUDE	RESIDENTIAL
1146	CALATX PROPERTIES LLC	VACANT
1147	DALLAS ROSE PROPERTY COMPANY LLC	VACANT
1148	COLLIN COUNTY	COUNTY LAND
1149	OWEN MIKE A/K/A EDDY MIKE OWEN &	VACANT

NOTES:

1. BEGIN/END PROJECT ARE PRELIMINARY AND MAY BE REFINED BASED ON FUTURE COORDINATION WITH ADJACENT US 380 PROJECTS.
2. FURTHER COORDINATION MAY BE REQUIRED WITH STAKEHOLERS TO EVALUATE FUTURE INTERCHANGES AND PROPOSED ROW FOOTPRINT.
3. RAMP LOCATIONS ARE PRELIMINARY PENDING FURTHER GEOMETRIC DESIGN, TXDOT REVIEW, PUBLIC INPUT, AND TRAFFIC ANALYSIS.
4. PARCEL LINES AND EXISTING ROW OF WAY (R.O.W.) HAVE NOT BEEN FIELD VERIFIED AND ARE BEST FIT. GIS FILES USED FOR BASE MAPPING.
5. PROPERTY OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT (APRIL 25, 2022).
6. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS SHOWN ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM SURVEY AND RECORD DOCUMENTS.
7. EXISTING DRIVEWAY ACCESS WILL REMAIN UNLESS IT IS DETERMINED THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN DENIAL OF ACCESS LIMITS.
8. DRIVEWAY LOCATIONS ARE PRELIMINARY AND MAY BE REVISED AFTER TXDOT REVIEW AND PUBLIC INPUT.
9. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE BUILDING STRUCTURE.
10. SCHEMATICS ARE BASED ON AERIAL AND DESIGN SURVEYS DATED AUGUST 2021, AS-BUILTS, AND GOOGLE EARTH IMAGERY DATED OCTOBER 2021.
11. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR FACE OF CURB, RAIL, OR BARRIER UNLESS NOTED OTHERWISE.
12. MAINLANE SUPERELEVATION AXIS OF ROTATION IS ABOUT THE CENTERLINE.
13. ALL SUPERELEVATION RATES WERE CALCULATED BASED ON USING A MAXIMUM SUPERELEVATION RATE OF 6%. SEE CHAPTER 2, SECTION 4 OF THE TXDOT ROADWAY DESIGN MANUAL FOR REFERENCE.
14. LOW SPEED ROADWAYS HAVE A NORMAL CROWN WITH 2% PAVEMENT CROSS SLOPES AND HIGH SPEED MAINLANES HAVE A NORMAL CROWN WITH 2.5% PAVEMENT CROSS SLOPE UNLESS NOTED OTHERWISE IN THE SUPERLEVATION TABLES.
15. MINOR CROSS STREET CORNER RADII ARE 25' AND MAJOR CROSS STREET RADII ARE 90' UNLESS NOTED OTHERWISE ON THE SCHEMATIC PLAN VIEW.
16. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS.
17. CURB RAMPS, SIDEWALKS AND SHARED USE PATHS ARE SHOWN FOR PLANNING PURPOSES ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS AND SHARED USE PATHS ARE SHOWN ON TYPICAL SECTIONS.
18. WB-67 DESIGN VEHICLE WAS USED IN EVALUATION OF TURNING MOVEMENTS. CORNER RADII MAY VARY AT INTERSECTIONS DUE TO DIFFERENCES IN SKEW.
19. TRAFFIC VOLUMES BASED ON TRAFFIC COUNTS AND GROWTH RATES PROVIDED BY TP&P.
20. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
21. PROPOSED SIGNAL LOCATIONS SHOWN ARE PRELIMINARY. COORDINATION WITH TxDOT AND CITY TO PERFORM A TRAFFIC SIGNAL WARRANT ANALYSIS TO JUSTIFY TRAFFIC SIGNAL INSTALLATION WILL BE REQUIRED.

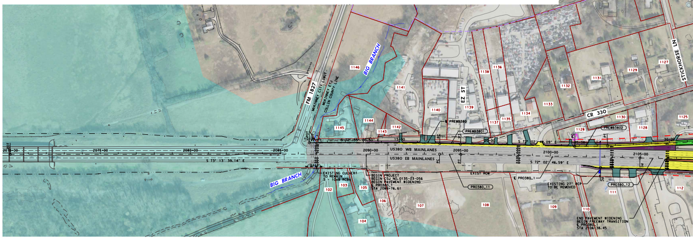

N
HORIZ. 0 50 100 200
VERT. 0 10 20

HORIZONTAL CURVE DATA

ALIGNMENT	CURVE	PI STATION	PI NORTHING - N	PI EASTING - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	EXTERNAL	CHORD BEARING	CHORD LENGTH	MIDDLE ORDINATE	PC STATION	PT STATION
PRO380_1	PRO380_11	2094+43.25	7125374.318	2557374.643	1° 10' 52.55"	5729.58	1° 0' 0.00"	59.07	118.13	0.3	S 72° 38' 12.86" E	118.12	0.3	2093+84.18	2095+02.31
	PRO380_12	2107+67.95	7124965.979	2558634.843	2° 12' 3.34"	14100	0° 24' 22.87"	270.85	541.63	2.6	S 70° 56' 44.92" E	541.6	2.6	2104+97.10	2110+38.73
	PRO380_13	2124+47.56	7124387.238	2560211.665	26° 51' 34.93"	5900	0° 58' 16.01"	1408.83	2765.86	165.87	S 83° 16' 30.71" E	2740.61	161.34	2110+38.73	2138+04.59
	PRO380_14	2200+91.94	7125285.83	2567855.198	54° 36' 16.46"	3330	1° 43' 14.14"	1718.91	3173.59	417.47	N 55° 59' 33.59" E	3054.84	370.97	2183+73.03	2215+46.62
EBFR1	EBFR11	4120+63.14	7124373.24	2559791.387	19° 46' 50.60"	2000	2° 51' 53.24"	348.71	690.48	30.17	S 80° 41' 5.31" E	687.05	29.72	4117+14.43	4124+04.91
	EBFR12	4125+28.11	7124377.977	2560263.276	5° 38' 33.68"	2500	2° 17' 30.59"	123.2	246.21	3.03	S 87° 45' 13.76" E	246.11	3.03	4124+04.91	4126+51.12
	EBFR13	4132+76.72	7124311.836	2561009.152	11° 46' 21.25"	6068	0° 56' 39.22"	625.6	1246.79	32.16	N 89° 10' 52.45" E	1244.6	31.99	4126+51.12	4138+97.91
	EBFR14	4202+71.97	7125129.104	2567960.94	54° 36' 16.46"	3498	1° 38' 16.65"	1805.63	3333.7	438.53	N 55° 59' 33.59" E	3208.96	389.68	4184+66.34	4218+00.04
WBFR1	WBFR11	4115+60.24	7124893.693	2559341.011	11° 19' 30.37"	3000	1° 54' 35.49"	297.46	592.98	14.71	S 71° 19' 10.64" E	592.02	14.64	4112+62.78	4118+55.76
	WBFR12	4128+52.18	7124602.241	2560601.637	19° 43' 22.36"	5732	0° 59' 58.48"	996.42	1973.12	85.96	S 86° 50' 37.00" E	1963.39	84.69	4118+55.76	4138+28.88
	WBFR13	4200+29.50	7125442.555	2567749.456	54° 36' 16.46"	3162	1° 48' 43.24"	1632.19	3013.48	396.41	N 55° 59' 33.59" E	2900.72	352.25	4183+97.31	4214+10.79
PR2161R	PR2161R1	12+75.53	7124688.08	2563421.578	3° 48' 29.57"	2865	1° 59' 59.47"	95.25	190.42	1.58	N 85° 11' 56.61" E	190.39	1.58	11+80.28	13+70.70
	PR2161R2	23+29.40	7124741.344	2564474.179	3° 48' 29.57"	2879	1° 59' 24.46"	95.71	191.36	1.59	N 85° 11' 56.61" E	191.32	1.59	22+33.69	24+25.05
PR2171L	PR2171L1	10+76.10	7125079.483	2565449.073	3° 2' 34.75"	2865	1° 59' 59.47"	76.1	152.16	1.01	S 84° 48' 59.20" ■	152.14	1.01	10+00.00	11+52.16
	PR2171L2	23+94.70	7124995.26	2564133.13	3° 2' 34.75"	2865	1° 59' 59.47"	76.1	152.16	1.01	S 84° 48' 59.20" ■	152.14	1.01	23+18.60	24+70.76
PREEFR	PREEFR1	13+18.01	7124966.537	2558456.45	3° 17' 21.01"	11076	0° 31' 2.27"	318.01	635.84	4.56	S 71° 5' 46.75" E	635.75	4.56	10+00.00	20+30.51
	PREEFR2	18+18.42	7124790.832	2558925.191	3° 32' 46.55"	2865	0° 58' 17.20"	182.58	365.05	2.83	S 67° 40' 42.97" E	364.99	2.82	23+19.15	32+76.46
	PREEFR3	33+10.17	7124382.413	2560349.106	1° 44' 16.57"	2512	2° 16' 51.18"	38.1	76.2	0.29	S 85° 48' 5.21" E	76.19	0.29	32+76.46	33+47.62
	PREEFR4	37+78.62	7124341.034	2560815.731	8° 7' 46.18"	6056	0° 56' 45.96"	430.35	859.26	15.27	S 88° 59' 50.01" E	858.54	15.23	33+47.62	42+06.86
PREWB380	PREWB3801	17+81.86	7125430.43	2557391.274	1° 8' 34.09"	5786.32	0° 59' 24.70"	57.71	115.41	0.29	S 71° 36' 52.23" E	115.41	0.29	17+24.15	18+39.56
	PREWB3802	25+65.27	7125187.989	2558136.224	3° 39' 41.42"	2865	1° 59' 59.47"	91.58	183.09	1.46	S 73° 52' 38.80" E	183.06	1.46	24+73.69	26+56.78
	PREWB3803	38+36.66	7124874.116	2559368.332	2° 34' 5.04"	2853	2° 0' 29.75"	63.95	127.87	0.72	S 74° 25' 26.99" E	127.86	0.72	37+72.72	39+00.59
PROBUS3801	PROBUS38011	4528+48.16	7123654.526	2562682.201	65° 20' 28.41"	1056.5	5° 25' 23.41"	677.5	1204.85	198.57	S 39° 22' 32.38" E	1140.62	167.15	4521+70.66	4533+75.51
PROBUS3803	PROBUS38031	11+05.87	7124132.575	2561206.864	33° 12' 37.54"	355	16° 8' 22.76"	105.87	205.77	15.45	S 55° 26' 27.82" E	202.9	14.8	10+00.00	12+05.77
	PROBUS38032	25+21.55	7123694.356	2562559.28	52° 38' 9.01"	510	11° 14' 4.08"	252.26	468.52	58.98	N 81° 38' 8.90" E	452.22	52.86	22+69.29	27+37.81

SUPERELEVATION TRANSITION

DESCRIPTION	ALIGNMENT	BEGIN		
		STA	e (LT)/(RT)	
TRANSITION	℄ PRO380_13	2106+81.00	2.50%	-2.50%
FULL SUPER		2111+01.00	3.50%	
TRANSITION		2137+42.00	3.50%	
TRANSITION	℄ PRO380_14	2177+61.00	2.50%	-2.50%
FULL SUPER		2184+81.00	5.80%	
TRANSITION		2214+39.00	5.80%	


FM 1827
MCKINNEY CITY LIMIT
MCKINNEY ETJ
COLLIN COUNTY LINE
BIG BRANCH
BIG BRANCH
EZ ST
CR 330
STICKHORSE LN
US380 WB MAINLANES
US380 EB MAINLANES
2075+00
2080+00
2085+00
2090+00
2095+00
2100+00
2105+00
S 73° 13' 39.14" E
S 72° 02' 46.59" E
PREWB3801
PREWB3802
PREEFR1
PRO380_1
PRO380_11
PRO380_12
EXIST ROW
EXISTING CULVERT TO REMAIN 3 - 10x8 RCBs
BEGIN PROJECT
BEGIN CSJ NO. 0135-03-056
BEGIN PAVEMENT WIDENING
℄ PRO380_1
STA 2086+76.61
EXISTING 27" RCP TO BE REMOVED
END PAVEMENT WIDENING
BEGIN FREEWAY TRANSITION
℄ PRO380_1
STA 2106+38.45
1146
1141
1138
1136
1127
1129
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1139
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1135
1137
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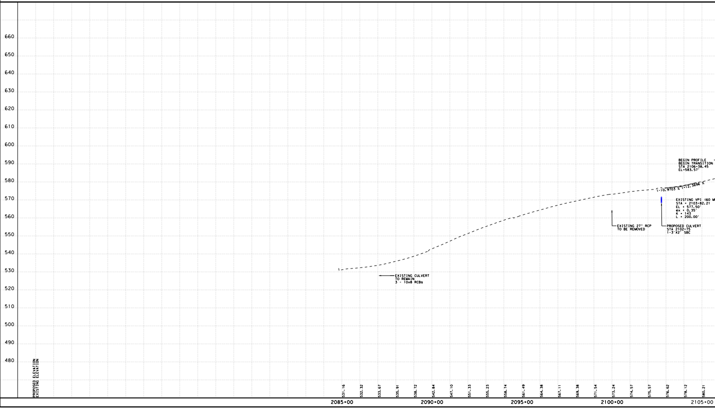

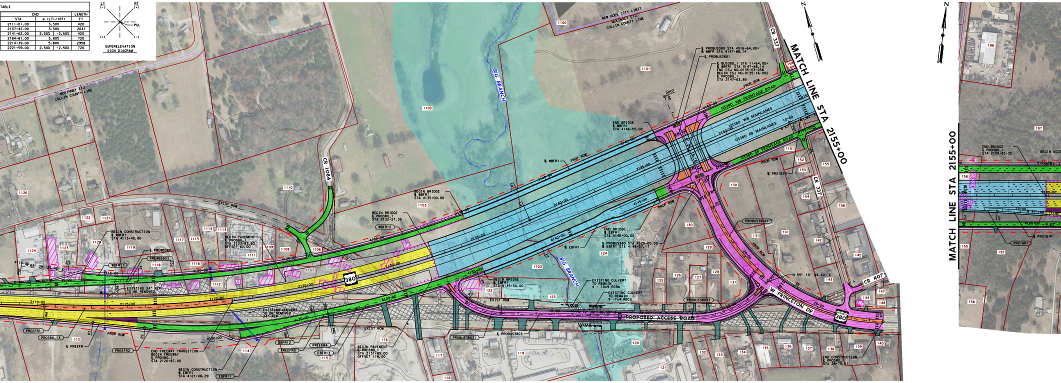
LT
(-)
RT
(+)
PGL
(+)
(-)
SUPERELEVATION SIGN DIAGRAM
McKINNEY ETJ
COLLIN COUNTY LINE
NEW HOPE CITY LIMIT
McKINNEY ETJ
COLLIN COUNTY LINE
BIG BRANCH
CR 1084
CR 337
CR 407
EXIST ROW
PROP ROW
MATCH LINE STA 2155+00
℄ PROBUS380 STA 4516+64.00=
℄ WBFR STA 4147+88.14
℄ PROBUS3801
℄ BUS380_1 STA 11+64.00=
℄ WBFR1 STA 4147+88.14
END CSJ NO.0135-03-056
BEGIN CSJ NO.0135-16-002
℄ PRO380_1
STA 2147+63.85
US380 WB FRONTAGE ROAD
US380 WB MAINLANES
US380 EB MAINLANES
US380 EB FRONTAGE ROAD
END BRIDGE
℄ WBFR1
STA 4146+55.00
℄ WBFR1
℄ PR2161R
BEGIN BRIDGE
℄ WBFR1
STA 4135+00.00
BEGIN BRIDGE
℄ PRO380_1
STA 2132+27.35
WBFR12
END BRIDGE
℄ EBFR1
STA 4146+00.00
℄ PROBUS380 STA 4520+00.00
℄ EBFR1 STA 4148+57.17
℄ EBFR1
BEGIN BRIDGE
℄ EBFR1
STA 4135+50.00
EXISTING CULVERT
TO REMAIN
4 - 10x9 RCBs
EXISTING CULVERT
TO REMAIN
9 -7x4 RBCs
PROPOSED ACCESS ROAD
PROBUS38032
PROBUS38031
PROBUS38011
℄ PROBUS3803
W PRINCETON DR
N 55° 19' 04.40" E
BEGIN CONSTRUCTION
℄ WBFR1
STA 4113+40.80
℄ PREWB380
PREWB3803
WBFR11
EXISTING 24" RCP
TO BE REMOVED
BEGIN PAVEMENT
℄ PRO380_1
STA 2123+97.63
OFFSET 62.00
EXISTING CULVERT
TO BE REMOVED
24" RCP
END FREEWAY TRANSITION
BEGIN FREEWAY
℄ PRO380_1
STA 2120+87.00
BEGIN CONSTRUCTION
℄ EBFR1
STA 4121+48.29
EBFR11
EBFR12
PREEFR1
PRO380_13
PREEFR2
PREEFR3
PREEFR4
EBFR13
℄ PREEFR
BEGIN PAVEMENT
℄ PRO380_1
STA 2131+85.00
OFFSET 118.00
END CONSTRUCTION
℄ PRO380_1
STA 28+75.91
END BRIDGE
℄ PRO380_1
STA 2159+85.35
BEGIN ACCE
380
2110+00
2115+00
2120+00
2125+00
2130+00
2135+00
2140+00
2145+00
2150+00
4115+00
4120+00
4125+00
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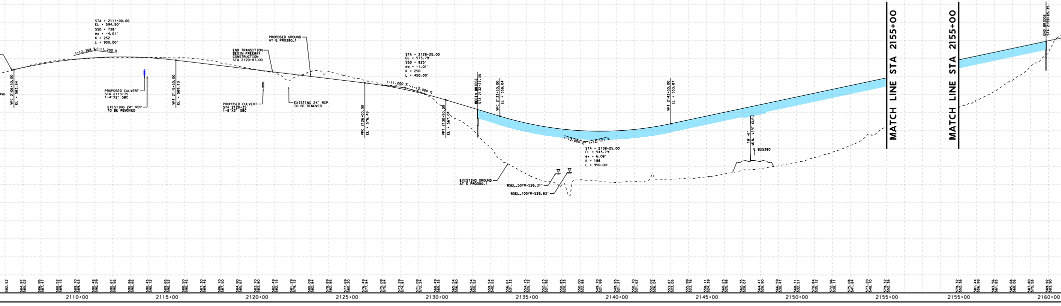
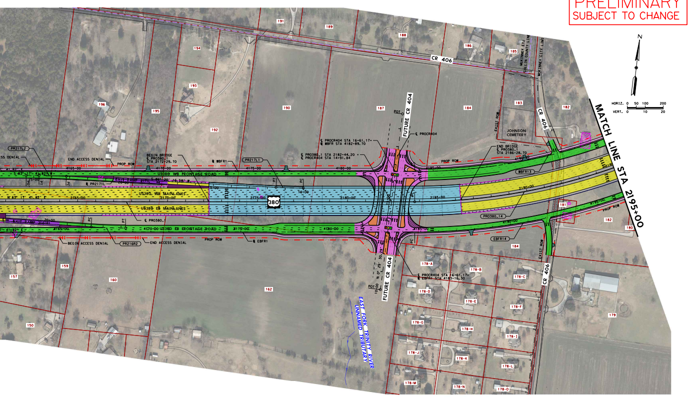
STA	e (LT)	e (RT)	LENGTH FT
2111+01.00	3.50%		420
2137+42.00	3.50%		2641
2141+62.00	2.50%	-2.50%	420
2184+81.00	5.80%		720
2214+39.00	5.80%		2958
2221+59.00	2.50%	-2.50%	720

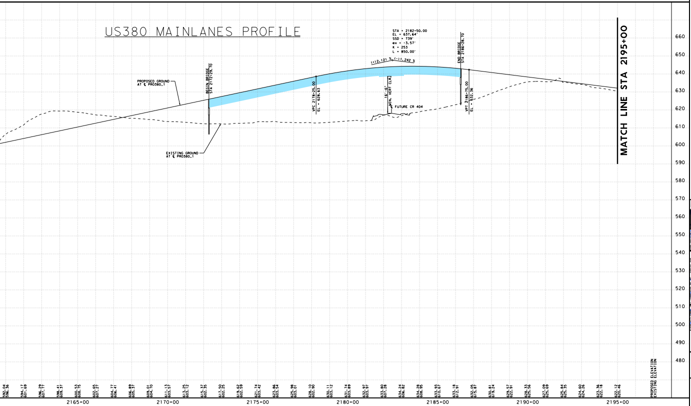
US380 MAINLANES PROFILE


STA = 2111+00.00
EL = 594.50'
SSD = 738'
ex = -4.01'
K = 252
L = 900.00'
(+)2.368 %
(-)1.200 %
VPC 2106+50.00
EL = 583.84
PROPOSED CULVERT
STA 2113+75
1-4'X2' SBC
EXISTING 24" RCP
TO BE REMOVED
VPT 2115+50.00
EL = 589.10
PROPOSED CULVERT
STA 2120+35
1-6'X2' SBC
END TRANSITION
BEGIN FREEWAY
CONSTRUCTION
STA 2120+87.00
PROPOSED GROUND
AT ℄ PRO380_1
EXISTING 24" RCP
TO BE REMOVED
VPC 2126+00.00
EL = 576.49
STA = 2128+25.00
EL = 573.79'
SSD = 825'
ex = -1.01'
K = 250
L = 450.00'
(-)1.200 %
(-)3.000 %
VPT 2130+50.00
EL = 567.04
BEGIN BRIDGE
STA 2132+27.35
VPC 2133+50.00
EL = 558.04
EXISTING GROUND
AT ℄ PRO380_1
WSEL_50YR=526.31'
WSEL_100YR=526.83'
(-)3.000 %
(+)2.121 %
STA = 2138+25.00
EL = 543.79'
ex = 6.08'
K = 186
L = 950.00'
VPT 2143+00.00
EL = 553.87
18'-6"
MIN. VERT CLR.
℄ BUS380
MATCH LINE STA 2155+00
MATCH LINE STA 2155+00
END BRIDGE
STA 2159+85.35
2110+00
2115+00
2120+00
2125+00
2130+00
2135+00
2140+00
2145+00
2150+00
2155+00
2155+00
2160+00

PRELIMINARY
SUBJECT TO CHANGE


CR 406
CR 404
FUTURE CR 404
MATCH LINE STA 2195+00
US380 WB FRONTAGE ROAD
US380 WB MAINLANES
US380 EB MAINLANES
US380 EB FRONTAGE ROAD
380
BEGIN BRIDGE
END BRIDGE
BEGIN ACCESS DENIAL
END ACCESS DENIAL
PROP ROW
EXIST ROW
JOHNSON CEMETERY
EAST FORK TRINITY RIVER UNNAMED TRIBUTARY
N
HORIZ. 0 50 100 200
VERT. 0 10 20

US380 MAINLANES PROFILE



Texas Department of Transportation
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DALLAS DISTRICT
PUBLIC MEETING
PRELIMINARY DESIGN SCHEMATIC

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

US 380 PRINCETON
COLLIN COUNTY, TEXAS

PROJECT LIMIT: FROM FM 1827 TO CR 560
LENGTH OF PROJECT(APPROXIMATELY)=11.8 MI

CSJ 0135-03-056
FROM FM 1827 TO JCT US 380/W. PRINCETON DRIVE

CSJ 0135-16-002
FROM JCT US 380/W. PRINCETON DRIVE
TO JCT US 380/E. PRINCETON DRIVE

CSJ 0135-04-036
FROM JCT US 380/E. PRINCETON DRIVE TO CR 560

ROADWAY TYPE	FUNCTIONAL CLASS	DESIGN SPEED
US 380 MAINLANES	URBAN FREEWAY	70 MPH
US 380 RAMPS	URBAN FREEWAY	50 MPH
US 380 FRONTAGE ROADS	URBAN COLLECTOR	45 MPH
US 380 TURNAROUNDS	URBAN COLLECTOR	20 MPH
US 380 EXISTING	URBAN PRINCIPAL ARTERIAL	40 MPH
BUS US 380	URBAN PRINCIPAL ARTERIAL	40 MPH
CR 404	URBAN MAJOR ARTERIAL	40 MPH
CR 408	URBAN MAJOR COLLECTOR	40 MPH
FM 75	URBAN MAJOR COLLECTOR	40 MPH
FM 1377	URBAN MAJOR COLLECTOR	40 MPH
CR 458	URBAN PRINCIPAL ARTERIAL	40 MPH
CR 559	URBAN LOCAL	30 MPH

NOTE: DESIGN SPEEDS APPLY UNLESS OTHERWISE NOTED ON SCHEMATIC.

TRAFFIC DATA

ADT (2030) = 78,125
ADT (2050) = 119,650
ADT (2060) = 134,675

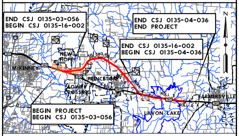
% TRUCKS:
ADT = 4.2
DHV = 3.4
K = 8.9
DD = 58

SOURCE: TxDOT TRANSPORTATION PROGRAMMING AND PLANNING DIVISION
MEMO DATED: AUGUST 31, 2020

SCALE: 1"=200' H, 1"=20' V **AUGUST 2022**

LEGEND:

- EXISTING ROW
- PROPOSED ROW
- PROPOSED ACCESS DENIAL
- PROPOSED CENTERLINE/BASELINE
- 🟨 PROPOSED MAINLANES
- 🟩 PROPOSED FRONTAGE ROAD
- 🟪 PROPOSED RAMP
- PROPOSED CROSS STREET
- PROPOSED TURNAROUND
- PROPOSED GORE
- PROPOSED SHARED USE PATH
- PROPOSED DRIVEWAY
- PROPOSED BRIDGE
- PROPOSED SHOULDER
- 🟧 PROPOSED RAISED MEDIAN
- PROPOSED RETAINING WALL
- ▨ POTENTIAL DISPLACEMENTS
- ▩ PAVEMENT/BRIDGE REMOVAL
- EXISTING PROPERTY LIMITS
- 100 PARCEL ID
- ⇨ EXISTING DIRECTION OF TRAVEL
- ➡ PROPOSED DIRECTION OF TRAVEL
- CITY LIMIT
- 🔴🟡🟢 SIGNALIZED INTERSECTION
- USACE AND PARKS
- CREEKS AND TRIBUTARIES
- 🟦 LAKE
- WETLAND
- 100-YR FLOOD PLAIN
- EXISTING CULVERT CROSSING
- PROPOSED CULVERT CROSSING
- EXISTING EASEMENT USACE
- PROPOSOSED EASEMENT USACE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BEGIN CSJ 0135-16-002
END CSJ 0135-04-036
END PROJECT
END CSJ 0135-16-002
BEGIN CSJ 0135-04-036
BEGIN PROJECT
BEGIN CSJ 0135-03-056
McKINNEY
NEW HOPE
PRINCETON
LOWRY CROSSING
FARMERSVILLE
LAVON LAKE
N

LOCATION MAP (NTS)

PREPARED BY AECOM TECHNICAL SERVICES, INC. TBPE NUMBER F-3580:
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DATE: AUGUST 2022

US 380 PRINCETON
PUBLIC MEETING
PRELIMINARY DESIGN SCHEMATIC

ROLL 1 OF 6