Texas Department of Transportation

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

US 80
60% DESIGN SCHEMATIC

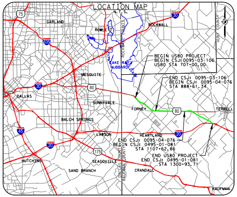
KAUFMAN COUNTY, TEXAS
FROM WEST OF FM 460 TO IH 20
CSJ: 0095-03-106, 0095-04-076 & 0495-01-081
LENGTH: 11.7 MILES

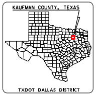
DATE: JULY 2022

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
MAIN LANES:	60 MPH	URBAN FREEWAY
DIRECT CONNECTORS:	40 MPH	
RAMPS:	40 MPH	
FRONTAGE ROADS/BYPASSES/CONNECTORS:	40 MPH	
LOCAL STREETS:	30 MPH	LOCAL
LOCAL STREETS CONNECTORS:	20 MPH	
TURNAROUNDS:	15 MPH	

INDEX OF SHEETS

ROLL 1 OF 31:	PLAN & PROFILE STA. BEGIN TO STA. 760+00
ROLL 2 OF 31:	PLAN & PROFILE STA. 760+00 TO STA. 816+00
ROLL 3 OF 31:	PLAN & PROFILE STA. 816+00 TO STA. 871+00
ROLL 4 OF 31:	PLAN & PROFILE STA. 871+00 TO STA. 917+00
ROLL 5 OF 31:	PLAN & PROFILE STA. 917+00 TO STA. 955+00
ROLL 6 OF 31:	PLAN & PROFILE STA. 955+00 TO STA. 1003+00
ROLL 7 OF 31:	PLAN & PROFILE STA. 1003+00 TO STA. 1042+00
ROLL 8 OF 31:	PLAN & PROFILE STA. 1042+00 TO STA. 1081+00
ROLL 9 OF 31:	PLAN & PROFILE STA. 1081+00 TO (SP557) STA. 1134+00
ROLL 10 OF 31:	PLAN & PROFILE (SP557) STA. 1134+00 TO STA. 1178+00
ROLL 11 OF 31:	PLAN & PROFILE STA. 1178+00 TO STA. 1227+00
ROLL 12 OF 31:	PLAN & PROFILE STA. 1227+00 TO STA. 1274+00
ROLL 13 OF 31:	PLAN & PROFILE STA. 1274+00 TO STA. 1323+00
ROLL 14 OF 31:	PLAN & PROFILE I-20 INTERCHANGE
ROLL 15 OF 31:	PLAN & PROFILE I-20 INTERCHANGE
ROLL 16-19 OF 31:	PLAN & PROFILE EB FRONTAGE ROADS
ROLL 20-23 OF 31:	PLAN & PROFILE WB FRONTAGE ROADS
ROLL 24 OF 31:	PLAN & PROFILE US80 BUSINESS
ROLL 25 OF 31:	PLAN & PROFILE US80 CROSS STREETS
ROLL 26 OF 31:	PLAN & PROFILE SP557 CROSS STREETS
ROLL 27-29 OF 31:	PLAN & PROFILE US80/SP557 RAMPS
ROLL 30 OF 31:	PLAN & PROFILE U-TURNS/I-20 DIRECT CONNECTORS
ROLL 31 OF 31:	PLAN & PROFILE I-20 FRONTAGE ROADS


LOCATION MAP
N.T.S.
GARLAND
ROWLETT
ROCKWALL
LAKE RAY HUBBARD
BEGIN US80 PROJECT
BEGIN CSJ: 0095-03-106
US80 STA 707+00.00
MESQUITE
END CSJ: 0095-03-106
BEGIN CSJ: 0095-04-076
STA 888+61.34
DALLAS
SUNNYVALE
FORNEY
TERRELL
BALCH SPRINGS
LAWSON
HEARTLAND
END CSJ: 0095-04-076
BEGIN CSJ: 0495-01-081
STA 1107+62.86
END US80 PROJECT
END CSJ: 0495-01-081
STA 1300+93.71
SEAGOVILLE
HUTCHINS
SAND BRANCH
CRANDALL
KAUFMAN
75
635
30
80
20
45
175


KAUFMAN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
STEPHEN A JOHNSON, PE	103591	7/25/2022

JULY 22, 2022	
ROLL NUMBER	10/31

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034
FIRM REGISTRATION NO. 5713

LEGEND

—·· — ·· —	EXISTING ROW
— — — —	EXISTING EASEMENT
————	EXISTING PROPERTY LIMITS
═·═·═	EXISTING CULVERT
═·═·═	EXISTING STORM SEWER
▭	FEMA 100 YR FLOODPLAIN LIMITS
————	PARK BOUNDARY
————	EXISTING PLANIMETRIC FEATURES
- - - - - -	EXISTING CONTOURS (5-FT)
— — — —	EXISTING TELEPHONE/CABLE/FIBER OPTIC LINE
— — — —	EXISTING WATER LINE
— — — —	EXISTING ELECTRIC LINE
— — — —	EXISTING SANITARY SEWER LINE
— — — —	EXISTING GAS/PETROLEUM LINE
— — — —	CITY/COUNTY LIMITS
— - — - —	EXISTING CENTERLINE/BASELINE
— - — - —	PROPOSED CENTERLINE/BASELINE
—·· — ·· —	PROPOSED ROW
—·· — ·· —	PROPOSED ROW BY OTHERS
╫———╫———╫	PROPOSED ACCESS DENIAL
— — — —	PROPOSED DRAINAGE EASEMENT
————	PROPOSED EDGE OF PAVEMENT
━━━━	PROPOSED CTB
————	PROPOSED BRIDGE
————	PROPOSED RETAINING WALL
— — — —	POTENTIAL NOISE WALL
═·═·═	PROPOSED CULVERT
▧	PAVEMENT/BRIDGE TO BE REMOVED
▧	WORK BY OTHERS TO BE REMOVED
▧	EXISTING EAST FORK WETLANDS
▧	EXISTING EAST FORK WATERS OF US
■	EXISTING BRIDGE TO REMAIN
■	PROPOSED BRIDGE
🟨	PROPOSED MAIN LANES
■	PROPOSED RAMP
🟩	PROPOSED FRONTAGE ROAD/BYPASSES
■	PROPOSED CROSS STREET
■	PROPOSED SHARED USE PATH
■	PROPOSED PROJECT BY OTHERS
🟧	POTENTIAL DISPLACEMENTS
▭	PROPOSED RIP RAP
⇨	EXISTING TRAFFIC FLOW
→	PROPOSED TRAFFIC FLOW
(200)	PARCEL ID

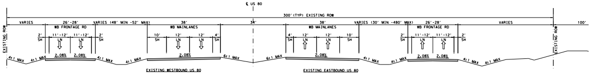
NOTES:

1. EXISTING FEATURES BASED ON LIMITED FIELD SURVEY. SCHEMATICS ARE BASED ON AERIAL TOPO DATED FEBRUARY 14, 2022 AND RECORD PLANS.
2. TRAFFIC APPROVED BY TXDOT DALLAS DISTRICT AND REVIEWED BY TP&P ON XX-XX-XXXX.
3. SHARED USE PATH ADA RAMP LAYOUTS ARE PRELIMINARY AND SUBJECT TO CHANGE. DETAILED LAYOUTS TO BE DEVELOPED DURING PS&E.
4. DRIVEWAY LOCATIONS ARE PRELIMINARY. FRONTAGE ROAD DRIVEWAY RETURN RADII ARE 15′ FOR RESIDENTIAL AND 25′ FOR COMMERCIAL/FARM/RANCH.
5. ACCESS ALONG THE PROPOSED FRONTAGE ROADS WILL BE CONTROLLED BY PERMIT IN ACCORDANCE WITH THE TXDOT ACCESS MANAGEMENT MANUAL.
6. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
7. SUPER ELEVATION AXIS OF ROTATION IS ABOUT THE PGL AND IS LINEAR (UNLESS NOTED OTHERWISE). SUPER ELEVATION RATES WERE CALCULATED BASED ON A MAXIMUM SUPER ELEVATION RATE OF 6%.
8. ALL CURBS ARE TYPE II (UNLESS NOTED OTHERWISE).
9. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE).
10. FEMA 100 YEAR FLOODPLAIN LIMITS FROM FLOOD INSURANCE RATE MAPS 48257C0040D, 48257C0155D, 48257C0175D, 48257C0200D, 48257C0185D (2012).
11. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DRAWINGS.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING PS&E.
13. OWNERSHIP INFORMATION OBTAINED FROM KAUFMAN CENTRAL APPRAISAL DISTRICT IN FEBRUARY 2022.
14. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING STRUCTURE. ACTUAL DAMAGES TO THE BUILDING AND PROPERTY TO BE DETERMINED DURING ROW ACQUISITION.
15. U-TURNS DESIGNED TO ACCOMMODATE WB-62 TRUCK PATHING REQUIREMENTS.
16. RAMP CROSS SLOPE TRANSITIONS BETWEEN MAIN LANES (2.5%) AND FRONTAGE ROADS (2%) WILL OCCUR OVER A 50 FT. LENGTH.

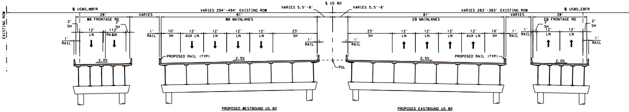
50′
0
50′
100′
5′
0
5′
10′

HORIZONTAL 1":100′
VERTICAL 1":10′
GRAPHIC SCALE IN FEET

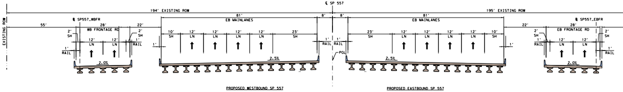
TYPICAL SECTIONS [N.T.S.]


℄ US 80
300′ (TYP) EXISTING ROW
VARIES
26′-28′
VARIES (48′ MIN -52′ MAX)
38′
34′
38′
VARIES (30′ MIN -480′ MAX)
26′-28′
VARIES
100′
WB FRONTAGE RD
WB MAINLANES
WB MAINLANES
WB FRONTAGE RD
EXISTING ROW
2′ SH
11′-12′ LN
10′ SH
12′ LN
4′ SH
2.08%
4:1 MAX
6:1 MAX
EXISTING WESTBOUND US 80
EXISTING EASTBOUND US 80

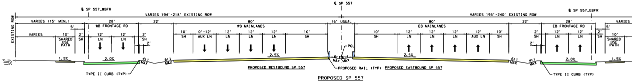
EXISTING US 80


℄ US 80
℄ US80_WBFR
℄ US80_EBFR
VARIES 294′-494′ EXISTING ROW
VARIES 283′-383′ EXISTING ROW
VARIES 5.5′-8′
28′
VARIES
81′
WB FRONTAGE RD
WB MAINLANES
EB MAINLANES
EB FRONTAGE RD
EXISTING ROW
2′ SH
12′ LN
1′ RAIL
10′ SH
12′ AUX LN
23′ SH
2.0%
2.5%
PROPOSED RAIL (TYP)
PGL
PROPOSED WESTBOUND US 80
PROPOSED EASTBOUND US 80

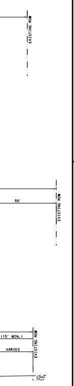
PROPOSED US 80
AT INTERCHANGE OF US 80 & SP 557
OVER UPRR

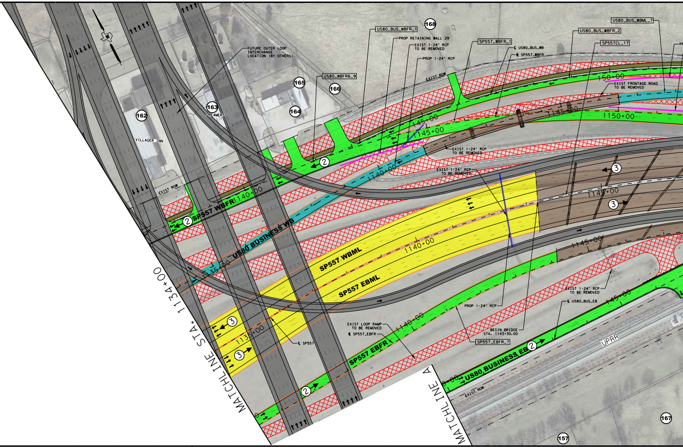

℄ SP 557
℄ SP557_WBFR
℄ SP557_EBFR
194′ EXISTING ROW
195′ EXISTING ROW
55′
28′
22′
81′
8′
WB FRONTAGE RD
EB MAINLANES
EB MAINLANES
EB FRONTAGE RD
EXISTING ROW
2′ SH
12′ LN
1′ RAIL
10′ SH
23′ SH
2.0%
2.5%
PGL
PROPOSED WESTBOUND SP 557
PROPOSED EASTBOUND SP 557

PROPOSED SP 557 BRIDGE
AT TERRY CREEK

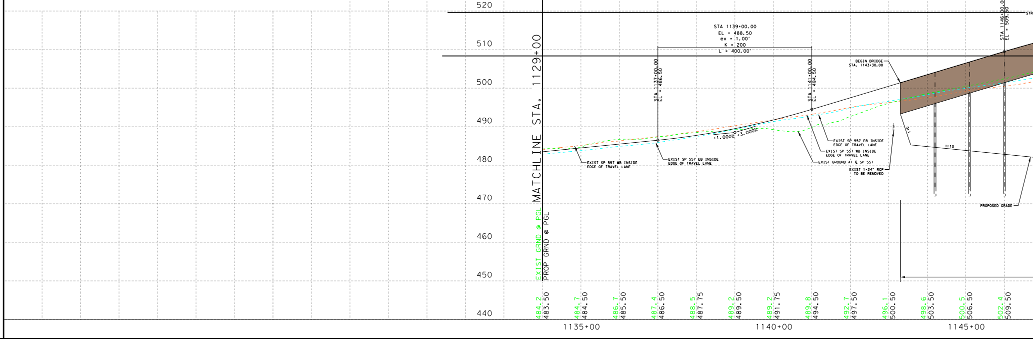

℄ SP 557
℄ SP 557_WBFR
℄ SP 557_EBFR
VARIES 194′-218′ EXISTING ROW
VARIES 195′-240′ EXISTING ROW
VARIES (15′ MIN.)
28′
22′
80′
16′ USUAL
VARIES
5′
WB FRONTAGE RD
WB MAINLANES
EB MAINLANES
EB FRONTAGE RD
EXISTING ROW
10′ SHARED USE PATH
2′ SH
12′ LN
10′ SH
0′-12′ AUX LN
12′ AUX LN
1.5%
2.0%
2.5%
4:1 MAX
6:1 MAX
PGL
TYPE II CURB (TYP)
PROPOSED RAIL (TYP)
PROPOSED WESTBOUND SP 557
PROPOSED EASTBOUND SP 557

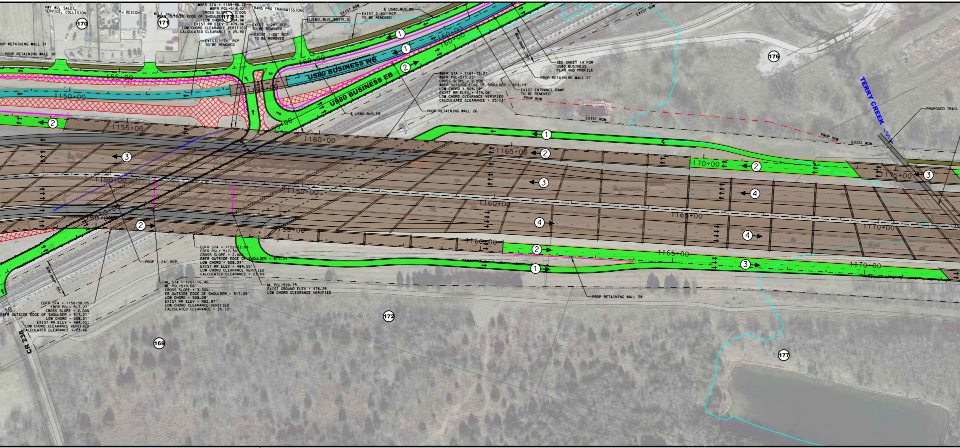
PROPOSED SP 557

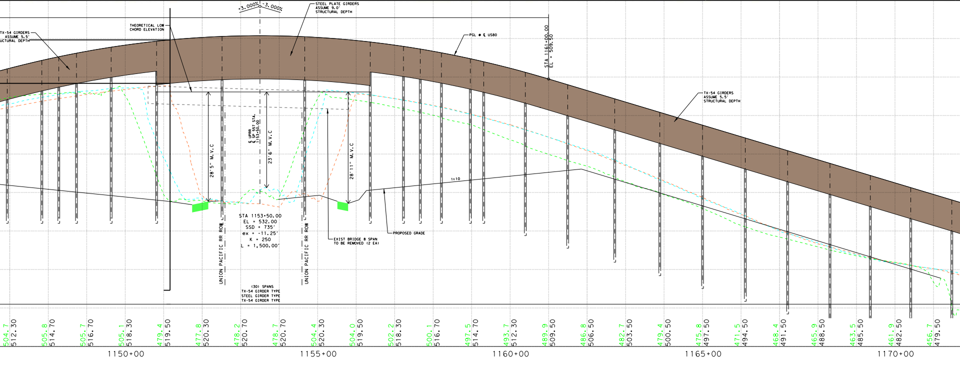

EXISTING ROW
55'
EXISTING ROW
(15' MIN.)
VARIES
EXISTING ROW

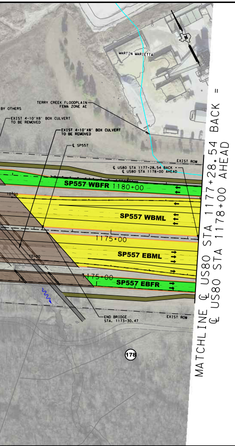

FUTURE OUTER LOOP INTERCHANGE LOCATION (BY OTHERS)
US80_BUS_WBFR_1
168
PROP RETAINING WALL 29
EXIST 1-24" RCP TO BE REMOVED
PROP 1-24" RCP
SP557_WBFR_1
℄ US80_BUS_WB
℄ SP557_WBFR
US80_BUS_WBFR_2
SP557CL_17
US80_BUS_WBML_7
US80_WBFR6_9
165
166
163
CREAMERS
164
162
VILLAGER INN
EXIST ROW
150+00
EXIST FRONTAGE ROAD TO BE REMOVED
1145+00
1150+00
145+00
1145+00
EXIST 1-24" RCP TO BE REMOVED
EXIST 1-24" RCP TO BE REMOVED
2
3
3
1140+00
1140+00
SP557 WBFR
US80 BUSINESS WB
1135+00
1140+00
1145+00
SP557 WBML
SP557 EBML
1145+00
EXIST 1-24" RCP TO BE REMOVED
℄ US80_BUS_EB
145+00
PROP 1-24" RCP
BEGIN BRIDGE STA. 1143+30.00
SP557_EBFR_7
EXIST LOOP RAMP TO BE REMOVED
℄ SP557_EBFR
1140+00
℄ SP557
SP557 EBFR
US80 BUSINESS EB
UPRR
EXIST ROW
MATCHLINE STA. 1134+00
MATCHLINE A
1135+00
3
3
2
2
167
157

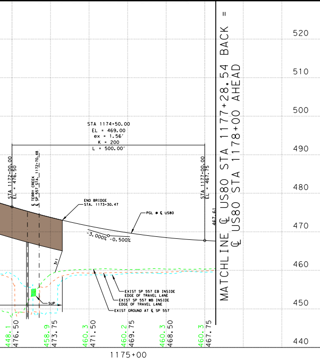
PUS80 - PROP US80 MAIN LANES (60 MPH)




HWY 80, SALES, SERVICE, COLLISION
RJ DESIGNS
WOLF TRAILERS
TRANS PRO TRANSMISSIONS
170
171
173
176
172
169
177
WBFR STA = 1159+58.22
WBFR PGL=514.02'
CROSS SLOPE = 2.00%
WBFR OUTSIDE EDGE OF SHOULDER = 513.96'
LOW CHORD = 504.96'
EXIST RR ELEV = 479.06'
LOW CHORD CLEARANCE VERIFIED
CALCULATED CLEARANCE = 25.90'
EXIST 1-24" RCP TO BE REMOVED
EXIST 1-30" RCP TO BE REMOVED
EXIST 1-24" RCP TO BE REMOVED
PROP RETAINING WALL 31
PROP RETAINING WALL 30
US80_BUS_WBFR_5
EXIST 2-30" RCP TO BE REMOVED
℄ US80_BUS_WB
EXIST ROW
US80 BUSINESS WB
US80 BUSINESS EB
℄ US80_BUS_EB
WBFR STA = 1161+73.21
WBFR PGL=513.25'
CROSS SLOPE = 2.00%
WBFR OUTSIDE EDGE OF SHOULDER = 513.19'
LOW CHORD = 504.19'
EXIST RR ELEV = 479.06'
LOW CHORD CLEARANCE VERIFIED
CALCULATED CLEARANCE = 25.13'
PROP RETAINING WALL 26
100' UPRR ROW
SEE SHEET 14 FOR US80 BUSINESS PLAN AND PROFILE
PROP RETAINING WALL 27
EXIST ENTRANCE RAMP TO BE REMOVED
PROP ROW
EXIST ROW
TERRY CREEK
PROPOSED TRAIL
PROP ROW
EXIST ROW
1150+00
1155+00
1160+00
1165+00
1170+00
1175+00
① ② ③ ④
PROP 1-24" RCP
EBFR STA = 1152+53.09
EBFR PGL= 517.30'
CROSS SLOPE = 2.00%
EBFR OUTSIDE EDGE OF SHOULDER = 517.24'
LOW CHORD = 508.24'
EXIST RR ELEV = 484.55'
LOW CHORD CLEARANCE VERIFIED
CALCULATED CLEARANCE = 23.69'
ML STA = 1151+16.45
ML PGL=519.66'
CROSS SLOPE = 3.30%
EB OUTSIDE EDGE OF SHOULDER = 517.09'
LOW CHORD = 508.09'
EXIST RR ELEV = 482.97'
LOW CHORD CLEARANCE VERIFIED
CALCULATED CLEARANCE = 25.12'
ML PGL=520.75
EXIST GROUND ELEV = 476.25
LOW CHORD CLEARANCE VERIFIED
100' UPRR ROW
EBFR STA = 1150+38.05
EBFR PGL= 517.27'
CROSS SLOPE = 2.00%
EBFR OUTSIDE EDGE OF SHOULDER = 517.21'
LOW CHORD = 508.21'
EXIST RR ELEV = 484.55'
LOW CHORD CLEARANCE VERIFIED
CALCULATED CLEARANCE = 23.66'
PROP RETAINING WALL 28
CR 238


+3.000%
-3.000%
STEEL PLATE GIRDERS ASSUME 9.0' STRUCTURAL DEPTH
TX-54 GIRDERS ASSUME 5.5' STRUCTURAL DEPTH
THEORETICAL LOW CHORD ELEVATION
PGL @ ℄ US80
STA 1161+00.00 EL = 509.50
TX-54 GIRDERS ASSUME 5.5' STRUCTURAL DEPTH
28'5" M.V.C
℄ UPRR ℄ SP 557 STA. 1153+50.00
23'6" M.V.C
28'11" M.V.C
1:10
UNION PACIFIC RR ROW
UNION PACIFIC RR ROW
STA 1153+50.00
EL = 532.00
SSD = 735'
ex = -11.25'
K = 250
L = 1,500.00'
EXIST BRIDGE 8 SPAN TO BE REMOVED (2 EA)
PROPOSED GRADE
(30) SPANS
TX-54 GIRDER TYPE
STEEL GIRDER TYPE
TX-54 GIRDER TYPE
504.7 512.30
505.8 514.70
505.7 516.70
505.1 518.30
479.4 519.50
477.8 520.30
478.2 520.70
478.7 520.70
504.4 520.30
504.0 519.50
502.2 518.30
500.1 516.70
497.5 514.70
493.7 512.30
489.9 509.50
486.8 506.50
482.7 503.50
479.4 500.50
475.8 497.50
471.5 494.50
468.4 491.50
465.9 488.50
463.5 485.50
461.9 482.50
456.7 479.50
1150+00
1155+00
1160+00
1165+00
1170+00


MARTIN MARIETTA
TERRY CREEK FLOODPLAIN FEMA ZONE AE
BY OTHERS
EXIST 4-10'X8' BOX CULVERT TO BE REMOVED
EXIST 4-10'X8' BOX CULVERT TO BE REMOVED
℄ SP557
EXIST ROW
℄ US80 STA 1177+28.54 BACK = ℄ US80 STA 1178+00 AHEAD
SP557 WBFR 1180+00
SP557 WBML
1175+00
SP557 EBML
1175+00
SP557 EBFR
END BRIDGE STA. 1173+30.47
EXIST ROW
178
MATCHLINE ℄ US80 STA 1177+28.54 BACK = ℄ US80 STA 1178+00 AHEAD



PROPERTY OWNERS		
PARCEL NUMBER	OWNER	PROPERTY ADDRESS
157	AP DUPONT LIMITED PARTNERSHIP	CO. RD. 238, TX
162	KPJ TERRELL, LLC	6108 W. HWY. 80, TX
163	SMITH, SHARON KAY TRUSTEE	6086 W. HWY. 80, TX
164	JS THREE STAR INVESTMENT, INC.	6070 W. HWY. 80, TX
165	JS THREE STAR INVESTMENT, INC.	W. HWY. 80, TX
166	HIGH POINT RANCH OWNER, LP	W. HWY. 80, TX
167	AP DUPONT LIMITED PARTNERSHIP	12238 CO. RD. 238, TX
168	HIGH POINT RANCH OWNER, LP	W. HWY. 80, TX
169	AP DUPONT LIMITED PARTNERSHIP	CO. RD. 238, TX
170	EVERETT, JESSE L. & EVELYN	5878 W. HWY. 80, TX
171	EVERETT, JESSE L. & EVELYN	5764 W. HWY. 80, TX
172	AP DUPONT LIMITED PARTNERSHIP	W. HWY. 80, TERRELL, TX
173	JLN HOLDINGS, INC.	5702 W. HWY. 80, TX
174*	HIGH POINT RANCH OWNER, LP	W. HWY. 80, TX
175*	HIGH POINT RANCH OWNER, LP	5550 W HWY 80 TX
176	TERRELL MATERIALS, LLC	320 IRON HORSE DR., TERRELL, TX
177	AP DUPONT LIMITED PARTNERSHIP	HWY. 80, TERRELL, TX
178	AP DUPONT LIMITED PARTNERSHIP	HWY. 80, TERRELL, TX

*SEE US 80 BUSINESS SHEET (SHEET 24) FOR PARCEL LOCATIONS

RETAINING WALLS					
NO.	BEGIN STA.	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 26	1157+50.00	356.00' LT	1161+15.00	603.00'LT	365.00
WALL 27	1157+00.00	340.00' LT	1161+00.00	560.00' LT	400.00
WALL 28	1160+30.00	140.00' RT	1163+71.00	140.00' RT	341.00
WALL 29	1139+00.00	259.00' LT	1141+00.00	235.00' LT	200.00
WALL 30	1145+50.00	204.00' LT	1149+00.00	152.00' LT	350.00
WALL 31	1145+50.00	271.00' LT	1153+50.00	178.00' LT	800.00

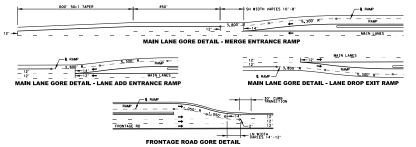
HORIZONTAL ALIGNMENT DATA										
BASELINE	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	TANGENT	LENGTH	P.C. STATION	P.T. STATION
SP557CL	SP557CL_17	1143+63.02	N 6,959,572.60	E 2,627,104.00	34° 52' 26.98" (RT)	2,350.00	738.12	1,430.37	1136+24.91	1150+55.28
US80_BUS_WBML	US80_BUS_WBML_7	1144+34.73	N 6,959,768.17	E 2,627,175.07	34° 28' 30.19" (RT)	2,000.00	620.54	1,203.41	1138+14.19	1150+17.59
US80_BUS_WBML	US80_BUS_WBML_10	1156+77.97	N 6,959,120.27	E 2,628,280.05	33° 56' 32.76" (LT)	2,000.00	610.36	1,184.81	1150+67.61	1162+52.43
US80_BUS_WBML	US80_BUS_WBML_11	1163+27.98	N 6,959,162.84	E 2,628,964.64	4° 19' 36.69" (RT)	2,000.00	75.55	151.04	1162+52.43	1164+03.46
US80_WBFR6	US80_WBFR6_9	1141+45.50	N 6,959,829.77	E 2,626,551.55	3° 42' 35.46" (RT)	2,012.00	65.16	130.28	1140+80.34	1142+10.61
SP557_WBFR	SP557_WBFR_1	1146+36.31	N 6,959,770.87	E 2,627,038.86	23° 53' 34.02" (RT)	2,012.00	425.70	839.02	1142+10.61	1150+49.63
US80_BUS_WBFR	US80_BUS_WBFR_1	142+83.44	N 6,959,813.21	E 2,626,688.54	4° 10' 14.57" (LT)	2,000.00	72.82	145.59	142+10.61	143+56.20
US80_BUS_WBFR	US80_BUS_WBFR_2	148+38.90	N 6,959,786.85	E 2,627,243.44	27° 08' 16.33" (RT)	2,000.00	482.70	947.29	143+56.20	153+03.49
US80_BUS_WBFR	US80_BUS_WBFR_5	160+01.08	N 6,959,199.23	E 2,628,267.07	28° 51' 31.31" (LT)	2,020.00	519.75	1,017.43	154+81.33	164+98.76
SP557_EBFR	SP557_EBFR_7	1145+73.58	N 6,959,355.01	E 2,627,201.57	34° 52' 26.98" (RT)	1,650.00	518.25	1,004.30	1140+55.33	1150+59.63

SUPERELEVATION SIGN CONVENTION

℄
(-) (+)
(+) (-)

SUPERELEVATION					
BASELINE	ROADWAY	BEGIN TRANSITION		END TRANSITION	
		STATION	e	STATION	e
SP557CL	SP557 WBML	1129+45.00	2.50%	1137+45.00	-5.00%
		1149+35.00	-5.00%	1157+35.00	2.50%
SP557CL	SP557 EBML	1129+45.00	-2.50%	1137+45.00	-5.00%
		1149+35.00	-5.00%	1157+35.00	-2.50%

RAMP GORE DETAILS [N.T.S.]

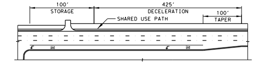

600' 50:1 TAPER
450'
SH WIDTH VARIES 10'-8'
℄ RAMP
3,800' R
5,300' R
12'
14'
MAIN LANES
℄ RAMP
5,300' R
RAMP
MAIN LANES
3,800' R
12'
14'
12'
MAIN LANES
12'
12'
℄ RAMP
3,800' R
RAMP
5,300' R
14'
℄ RAMP
RAMP
1,050' R
1,050' R
FRONTAGE RD
30' CURB TRANSITION
12'
14'
12'
2'
LN WIDTH VARIES 14'-12'

MAIN LANE GORE DETAIL - MERGE ENTRANCE RAMP

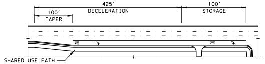
MAIN LANE GORE DETAIL - LANE ADD ENTRANCE RAMP

MAIN LANE GORE DETAIL - LANE DROP EXIT RAMP

FRONTAGE ROAD GORE DETAIL

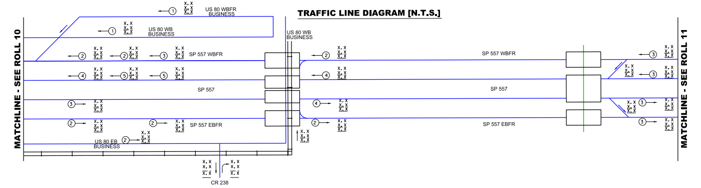

100'
STORAGE
425'
DECELERATION
100'
TAPER
SHARED USE PATH

LEFT-TURN BAY DETAIL (TYPICAL)


100'
TAPER
425'
DECELERATION
100'
STORAGE
SHARED USE PATH

RIGHT-TURN BAY DETAIL (TYPICAL)

TRAFFIC LINE DIAGRAM [N.T.S.]


MATCHLINE - SEE ROLL 10
MATCHLINE - SEE ROLL 11
US 80 WBFR BUSINESS
US 80 WB BUSINESS
US 80 WB BUSINESS
SP 557 WBFR
SP 557 WBFR
SP 557
SP 557
SP 557 EBFR
SP 557 EBFR
US 80 EB BUSINESS
CR 238
X.X
1
2
3
4
5

LEGEND					
—	PROPOSED WORK BY OTHERS	▩	EXISTING BRIDGE	Ⓧ	NUMBER OF TRAVEL LANES
—	STREAM	☐	PROPOSED BRIDGE	X.X	YEAR (XXXX) ADT
┿┿	UNION PACIFIC RAILROAD	▨	PROPOSED BRIDGE BY OTHERS	X.X	YEAR (XXXX) ADT
●	SIGNALIZED INTERSECTIONS			X.X	YEAR (XXXX) ADT

Texas Department of Transportation

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

US 80
60% DESIGN SCHEMATIC

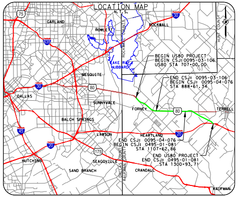
KAUFMAN COUNTY, TEXAS
FROM WEST OF FM 460 TO IH 20
CSJ: 0095-03-106, 0095-04-076 & 0495-01-081
LENGTH: 11.7 MILES

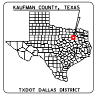
DATE: JULY 2022

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
MAIN LANES:	60 MPH	URBAN FREEWAY
DIRECT CONNECTORS:	40 MPH	
RAMPS:	40 MPH	
FRONTAGE ROADS/BYPASSES/CONNECTORS:	40 MPH	
LOCAL STREETS:	30 MPH	LOCAL
LOCAL STREETS CONNECTORS:	20 MPH	
TURNAROUNDS:	15 MPH	

INDEX OF SHEETS

ROLL 1 OF 31:	PLAN & PROFILE STA. BEGIN TO STA. 760+00
ROLL 2 OF 31:	PLAN & PROFILE STA. 760+00 TO STA. 816+00
ROLL 3 OF 31:	PLAN & PROFILE STA. 816+00 TO STA. 871+00
ROLL 4 OF 31:	PLAN & PROFILE STA. 871+00 TO STA. 917+00
ROLL 5 OF 31:	PLAN & PROFILE STA. 917+00 TO STA. 955+00
ROLL 6 OF 31:	PLAN & PROFILE STA. 955+00 TO STA. 1003+00
ROLL 7 OF 31:	PLAN & PROFILE STA. 1003+00 TO STA. 1042+00
ROLL 8 OF 31:	PLAN & PROFILE STA. 1042+00 TO STA. 1081+00
ROLL 9 OF 31:	PLAN & PROFILE STA. 1081+00 TO (SP557) STA. 1134+00
ROLL 10 OF 31:	PLAN & PROFILE (SP557) STA. 1134+00 TO STA. 1178+00
ROLL 11 OF 31:	PLAN & PROFILE STA. 1178+00 TO STA. 1227+00
ROLL 12 OF 31:	PLAN & PROFILE STA. 1227+00 TO STA. 1274+00
ROLL 13 OF 31:	PLAN & PROFILE STA. 1274+00 TO STA. 1323+00
ROLL 14 OF 31:	PLAN & PROFILE I-20 INTERCHANGE
ROLL 15 OF 31:	PLAN & PROFILE I-20 INTERCHANGE
ROLL 16-19 OF 31:	PLAN & PROFILE EB FRONTAGE ROADS
ROLL 20-23 OF 31:	PLAN & PROFILE WB FRONTAGE ROADS
ROLL 24 OF 31:	PLAN & PROFILE US80 BUSINESS
ROLL 25 OF 31:	PLAN & PROFILE US80 CROSS STREETS
ROLL 26 OF 31:	PLAN & PROFILE SP557 CROSS STREETS
ROLL 27-29 OF 31:	PLAN & PROFILE US80/SP557 RAMPS
ROLL 30 OF 31:	PLAN & PROFILE U-TURNS/I-20 DIRECT CONNECTORS
ROLL 31 OF 31:	PLAN & PROFILE I-20 FRONTAGE ROADS


LOCATION MAP
N.T.S.
75
GARLAND
ROWLETT
ROCKWALL
30
635
HUNT COUNTY
ROCKWALL COUNTY
LAKE RAY HUBBARD
BEGIN US80 PROJECT
BEGIN CSJ:0095-03-106
US80 STA 707+00.00
MESQUITE
END CSJ: 0095-03-106
BEGIN CSJ: 0095-04-076
STA 888+61.34
30
80
DALLAS
SUNNYVALE
FORNEY
80
TERRELL
BALCH SPRINGS
45
LAWSON
HEARTLAND
20
END CSJ: 0095-04-076
BEGIN CSJ: 0495-01-081
STA 1107+62.86
20
175
END US80 PROJECT
END CSJ: 0495-01-081
STA 1300+93.71
HUTCHINS
SEAGOVILLE
DALLAS COUNTY
KAUFMAN COUNTY
SAND BRANCH
CRANDALL
KAUFMAN


KAUFMAN COUNTY, TEXAS

TXDOT DALLAS DISTRICT
TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY

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NAME	P.E. NO.	DATE
STEPHEN A JOHNSON, PE	103591	7/25/2022

JULY 22, 2022

ROLL NUMBER	10/31

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034
FIRM REGISTRATION NO. 5713