Texas Department of Transportation

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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

US 80
100% 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

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	

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ROLL 2 OF 31:	PLAN & PROFILE STA. 760+00 TO STA. 816+00
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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
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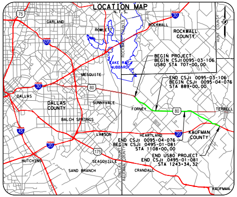
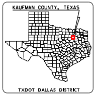

LOCATION MAP
N.T.S.
GARLAND
ROWLETT
ROCKWALL
ROCKWALL COUNTY
LAKE RAY HUBBARD
BEGIN PROJECT
BEGIN CSJ: 0095-03-106
US80 STA 707+00.00
MESQUITE
END CSJ: 0095-03-106
BEGIN CSJ: 0095-04-076
STA 889+00.00
DALLAS
DALLAS COUNTY
SUNNYVALE
FORNEY
TERRELL
BALCH SPRINGS
LAWSON
HEARTLAND
KAUFMAN COUNTY
END CSJ: 0095-04-076
BEGIN CSJ: 0495-01-081
STA 1108+00.00
END US80 PROJECT
END CSJ: 0495-01-081
STA 1243+34.32
HUTCHINS
SEAGOVILLE
SAND BRANCH
CRANDALL
KAUFMAN
75
635
30
80
20
45
175


KAUFMAN COUNTY, TEXAS

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

STATE OF TEXAS
STEPHEN A JOHNSON
103591
LICENSED
PROFESSIONAL ENGINEER
12/8/2023
Stephen A Johnson

December 8, 2023

ROLL NUMBER 2/31

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
▨	WETLANDS
———	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
— — — —	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
■	EXISTING BRIDGE TO REMAIN
■	PROPOSED CONCRETE BRIDGE
■	PROPOSED STEEL 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
⊥	PERPENDICULAR CURB RAMP
———	PROPOSED GUARDRAIL
⇨	EXISTING TRAFFIC FLOW
→	PROPOSED TRAFFIC FLOW
(200)	PARCEL ID

NOTES:

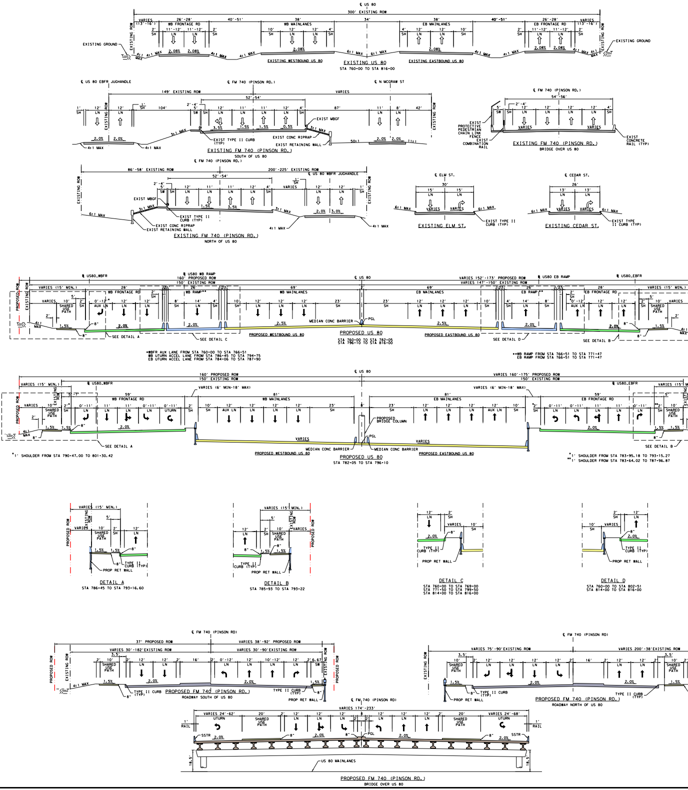
1. EXISTING FEATURES AND EXISTING ROW BASED ON LIMITED FIELD SURVEY. NO BOUNDARY SURVEY WAS PERFORMED. SCHEMATICS ARE BASED ON AERIAL TOPO DATED FEBRUARY 14, 2022 AND RECORD PLANS.
2. TRAFFIC APPROVED BY TXDOT DALLAS DISTRICT AND REVIEWED BY TP&P ON 05-15-2023.
3. SHARED USE PATH ADA RAMP LAYOUTS ARE 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 (UNLESS NOTED OTHERWISE).
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. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL AND IS LINEAR (UNLESS NOTED OTHERWISE). SUPERELEVATION 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) IN PROGRESS.
11. EXISTING CULVERT LOCATIONS, SIZES, 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.
17. FUTURE SIGNAL POLE FOUNDATIONS LOCATED WITHIN CLOSE PROXIMITY TO RETAINING WALLS IN THIS PROJECT WILL NEED TO BE INCORPORATED INTO THE RETAINING WALL DESIGNS DURING PS&E.

**PRELIMINARY,
NOT FOR CONSTRUCTION**

50' 0 50' 100'
5' 0 5' 10'

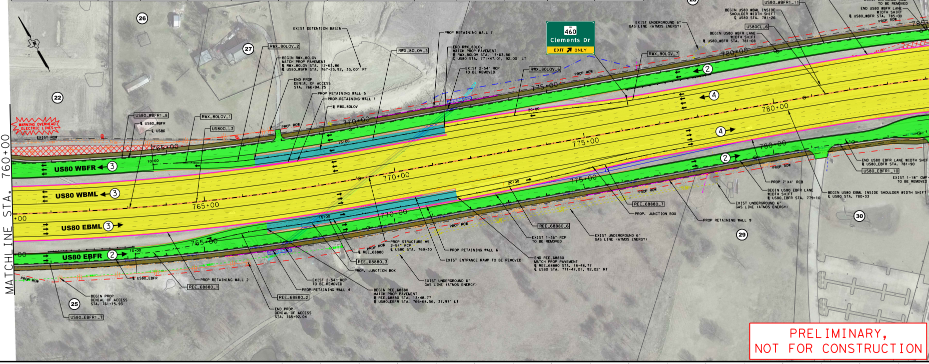
HORIZONTAL 1"=100'
VERTICAL 1"=10'
GRAPHIC SCALE IN FEET

TYPICAL SECTIONS [N.T.S.]


EXISTING US 80
STA 760+00 TO STA 816+00
EXISTING WESTBOUND US 80
EXISTING EASTBOUND US 80
300' EXISTING ROW
WB FRONTAGE RD
WB MAINLANES
EB MAINLANES
EB FRONTAGE RD
EXISTING GROUND
EXISTING FM 740 (PINSON RD.)
SOUTH OF US 80
EXIST MBGF
EXIST CONC RIPRAP
EXIST RETAINING WALL
EXIST TYPE II CURB (TYP)
EXISTING FM 740 (PINSON RD.)
BRIDGE OVER US 80
EXIST PROTECTIVE PEDESTRIAN CHAIN LINK FENCE
EXIST COMBINATION RAIL
EXIST CONCRETE RAIL (TYP)
EXISTING FM 740 (PINSON RD.)
NORTH OF US 80
EXISTING ELM ST.
EXISTING CEDAR ST.
PROPOSED US 80
STA 760+00 TO STA 782+00
STA 796+10 TO STA 816+00
PROPOSED WESTBOUND US 80
PROPOSED EASTBOUND US 80
MEDIAN CONC BARRIER
PGL
SEE DETAIL A
SEE DETAIL B
SEE DETAIL C
SEE DETAIL D
*WBFR AUX LANE FROM STA 760+00 TO STA 766+51
WB UTURN ACCEL LANE FROM STA 786+45 TO STA 794+75
EB UTURN ACCEL LANE FROM STA 784+06 TO STA 787+90
**WB RAMP FROM STA 766+51 TO STA 771+47
EB RAMP FROM STA 766+51 TO STA 771+47
PROPOSED US 80
STA 782+05 TO STA 796+10
PROPOSED BRIDGE COLUMN
*1' SHOULDER FROM STA 790+47.00 TO 801+30.42
*1' SHOULDER FROM STA 783+95.18 TO 793+15.27
**1' SHOULDER FROM STA 783+64.02 TO 787+96.87
DETAIL A
STA 786+45 TO STA 793+16.60
DETAIL B
STA 785+93 TO STA 793+22
DETAIL C
STA 760+00 TO STA 769+00
STA 771+50 TO STA 799+50
STA 814+00 TO STA 816+00
DETAIL D
STA 760+00 TO STA 802+51
STA 814+00 TO STA 816+00
PROP RET WALL
TYPE II CURB (TYP)
SHARED USE PATH
PROPOSED FM 740 (PINSON RD.)
ROADWAY SOUTH OF US 80
PROPOSED FM 740 (PINSON RD.)
ROADWAY NORTH OF US 80
PROPOSED FM 740 (PINSON RD.)
BRIDGE OVER US 80
US 80 MAINLANES
SSTR
RAIL

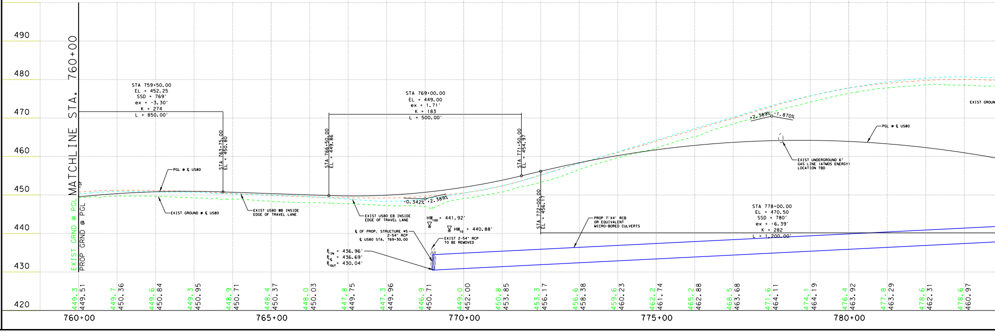
EXISTING ROW
PROPOSED ROW
IN.)
ROW
VARIES
2'
4:1 MAX
PROPOSED ROW

RETAINING WALLS						
NO.	ALIGNMENT	BEGIN STA.	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 1	US80 CL	760+00.00	71.00' LT	771+50.00	71.00' LT	1150.00
WALL 2	US80 CL	760+00.00	71.00' RT	770+60.00	71.00' RT	1060.00
WALL 4	EBFR	765+50.00	18.00' RT	767+50.00	18.00' RT	200.00
WALL 5	US 80 CL	766+40.00	73.00' LT	767+85.00	73.00' LT	145.00
WALL 6	US 80 CL	768+70.00	101.00' RT	802+10.00	83.00' RT	3310.04
WALL 7	WBFR	770+50.00	18.00' LT	773+75.00	18.00' LT	325.00
WALL 8	US80 CL	771+50.00	101.00' LT	803+15.00	83.00' LT	3197.29
WALL 9	EBFR	775+00.00	18.00' RT	779+00.00	18.00' RT	400.00
WALL 11	WBFR	787+35.00	18.00' LT	790+20.00	320.00' LT	501.76
WALL 12	EBFR	789+23.33	358.55' RT	791+10.00	18.00' RT	379.88
WALL 12	EBFR	789+23.33	358.55' RT	791+10.00	18.00' RT	379.88
WALL 12A	EBFR	791+13.25	18.30' RT	791+71.50	92.30' RT	74.51
WALL 12B	EBFR	791+39.25	18.00' RT	791+41.75	82.87' RT	65.18
WALL 13	EBFR	791+45.00	18.00' RT	793+90.00	18.00' RT	245.00
WALL 14	WBFR	793+40.00	30.00' LT	795+00.00	30.00' LT	160.00
WALL 15	WBFR	797+80.00	27.00' LT	798+60.00	27.00' LT	80.00
WALL 17	US80 CL	805+95.00	101.00' LT	813+40.00	101.00' LT	745.00
WALL 18	US80 CL	813+00.00	71.00' RT	816+00.00	71.00' RT	300.00
WALL 20	US80 CL	813+40.00	71.00' LT	816+00.00	71.00' LT	260.00
WALL 21	WBFR	815+60.00	18.00' LT	817+85.00	18.00' LT	225.00
WALL 23	EBFR	815+45.00	18.00' RT	816+42.95	18.00' RT	97.95

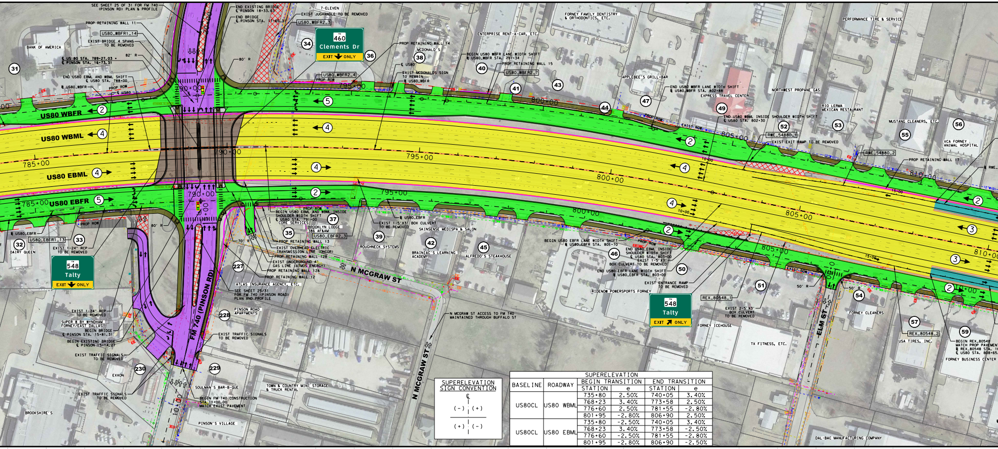

MATCHLINE STA. 760+00
26
27
28
22
25
29
30
WARNING OVERHEAD ELECTRIC LINES
EXIST ROW
PROP ROW
US80 WBFR 3
US80 WBML 3
US80 EBML 3
US80 EBFR 2
2
4
765+00
770+00
775+00
780+00
10+00
15+00
20+00
EXIST DETENTION BASIN
PROP RETAINING WALL 7
FM 460 Clements Dr EXIT ONLY
EXIST UNDERGROUND 6" GAS LINE (ATMOS ENERGY)
PROP RETAINING WALL 8
US80_WBFR1_11
EXIST ENTRANCE RAMP TO BE REMOVED
END US80 WBFR LANE WIDTH SHIFT
℄ US80_WBFR STA. 785+00
BEGIN US80 WBML INSIDE SHOULDER WIDTH SHIFT
℄ US80 STA. 781+26
US80CL_6
BEGIN US80 WBFR LANE WIDTH SHIFT
℄ US80_WBFR STA. 781+08
RWX_80LOV_2
RWX_80LOV_3
RWX_80LOV_7
RWX_80LOV_6
BEGIN RWX_80LOV MATCH PROP PAVEMENT
℄ RWX_80LOV STA. 12+63.86
℄ US80_WBFR STA. 767+23.92, 33.00' RT
END RWX_80LOV MATCH PROP PAVEMENT
℄ RWX_80LOV STA. 17+63.86
℄ US80 STA. 771+47.01, 92.00' LT
EXIST 2-54" RCP TO BE REMOVED
END PROP DENIAL OF ACCESS STA. 766+94.25
PROP RETAINING WALL 5
PROP RETAINING WALL 1
℄ RWX_80LOV
US80_WBFR1_8
℄ US80_WBFR
℄ US80
RWX_80LOV_1
US80CL_3
US80_EBFR1_10
END US80 EBFR LANE WIDTH SHIFT
℄ US80_EBFR STA. 781+90
EXIST 1-18" CMP TO BE REMOVED
BEGIN US80 EBML INSIDE SHOULDER WIDTH SHIFT
℄ US80 STA. 780+33
PROP 7'X4' RCB
BEGIN US80 EBFR LANE WIDTH SHIFT
℄ US80_EBFR STA. 779+10
EXIST UNDERGROUND 6" GAS LINE (ATMOS ENERGY)
REE_68880_7
PROP. JUNCTION BOX
PROP RETAINING WALL 9
REE_68880_6
EXIST 1-36" RCP TO BE REMOVED
END REE_68880 MATCH PROP PAVEMENT
℄ REE_68880 STA. 18+48.77
℄ US80 STA. 771+47.01, 92.02' RT
PROP RETAINING WALL 6
EXIST ENTRANCE RAMP TO BE REMOVED
PROP STRUCTURE #5 2-54" RCP
℄ US80 STA. 769+30
℄ REE_68880
REE_68880_3
PROP. JUNCTION BOX
EXIST UNDERGROUND 6" GAS LINE (ATMOS ENERGY)
BEGIN REE_68880 MATCH PROP PAVEMENT
℄ REE_68880 STA. 13+48.77
℄ US80_EBFR STA. 766+68.56, 37.97' LT
EXIST 2-54" RCP TO BE REMOVED
PROP RETAINING WALL 4
REE_68880_2
END PROP DENIAL OF ACCESS STA. 765+92.04
PROP RETAINING WALL 2
REE_68880_1
℄ US80_EBFR
BEGIN PROP DENIAL OF ACCESS STA. 761+15.93
US80_EBFR1_7

PRELIMINARY,
NOT FOR CONSTRUCTION

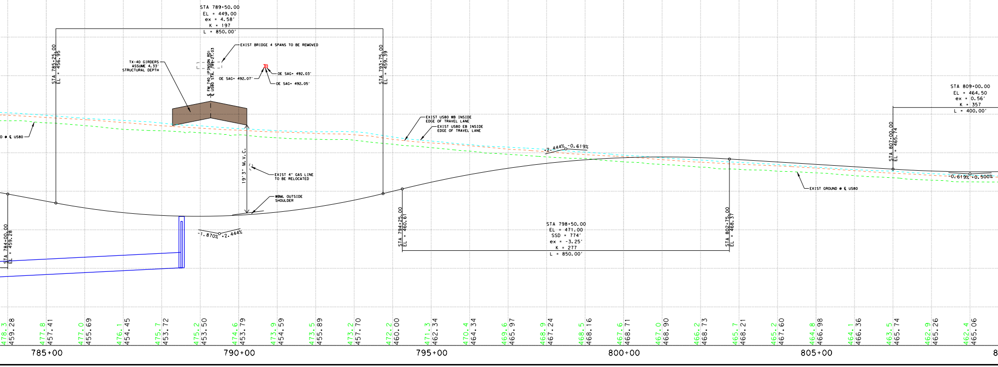
PUS80 - PROP US80 MAIN LANES (60 MPH)

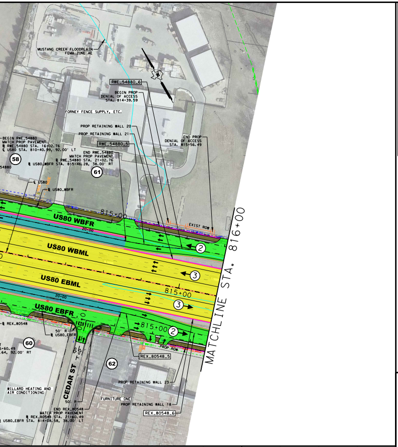

490
480
470
460
450
440
430
420
MATCHLINE STA. 760+00
EXIST GRND @ PGL
PROP GRND @ PGL
STA 759+50.00
EL = 452.25
SSD = 769'
ex = -3.30'
K = 274
L = 850.00'
STA 763+75.00 EL = 450.80
PGL @ ℄ US80
EXIST GROUND @ ℄ US80
EXIST US80 WB INSIDE EDGE OF TRAVEL LANE
STA 766+50.00 EL = 449.86
STA 769+00.00
EL = 449.00
ex = 1.71'
K = 183
L = 500.00'
STA 771+50.00 EL = 454.97
EXIST US80 EB INSIDE EDGE OF TRAVEL LANE
-0.342%
+2.389%
HW100 = 441.92'
HW10 = 440.88'
℄ OF PROP. STRUCTURE #5 2-54" RCP
℄ US80 STA. 769+30.00
EIN = 436.96'
E℄ = 436.69'
EOUT = 430.04'
EXIST 2-54" RCP TO BE REMOVED
STA 772+00.00 EL = 456.17
PROP 7'X4' RCB OR EQUIVALENT MICRO-BORED CULVERTS
+2.389%
-1.870%
EXIST UNDERGROUND 6" GAS LINE (ATMOS ENERGY) LOCATION TBD
PGL @ ℄ US80
STA 778+00.00
EL = 470.50
SSD = 780'
ex = -6.39'
K = 282
L = 1,200.00'
EXIST GROUN
449.3 449.51
449.7 450.36
449.6 450.84
449.3 450.95
448.9 450.71
448.4 450.37
448.0 450.03
447.8 449.75
447.3 449.96
446.9 450.71
449.0 452.00
450.8 453.85
453.3 456.17
456.6 458.38
459.6 460.23
462.2 461.74
465.2 462.88
468.5 463.68
471.6 464.11
474.1 464.19
476.4 463.92
477.8 463.29
478.6 462.31
478.6 460.97
760+00
765+00
770+00
775+00
780+00

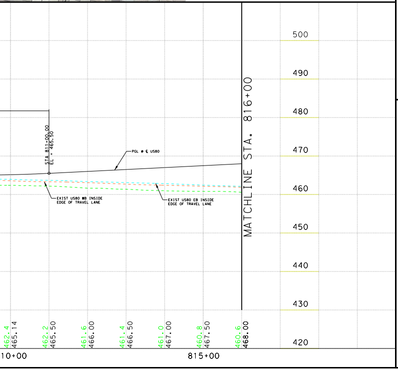
EXISTING ROW
4:1 MAX
-8"


SEE SHEET 25 OF 31 FOR FM 740 (PINSON RD) PLAN & PROFILE
END EXISTING BRIDGE ℄ PINSON 18+33.63
END BRIDGE ℄ PINSON STA. 17+65.31
7-ELEVEN
EXIST JUGHANDLE TO BE REMOVED
US80_WBFR2_3
PROP RETAINING WALL 11
US80_WBFR1_14
EXIST BRIDGE 4 SPANS TO BE REMOVED
BANK OF AMERICA
82' R
℄ US 80 STA. 789+27.03 = ℄ PINSON STA. 16+73.31
80' R
END US80 EBML AND WBML SHIFT ℄ US80 STA. 788+00
℄ US80_WBFR
PROP ROW
℄ US80
FM 460 Clements Dr EXIT ONLY
US80_WBFR2_4
PROP RETAINING WALL 14
MCDONALD'S
℄ US80
EXIST MCDONALDS SIGN TO REMAIN
℄ US80_WBFR
ENTERPRISE RENT-A-CAR, ETC.
BEGIN US80 WBFR LANE WIDTH SHIFT ℄ US80_WBFR STA. 797+34
PROP RETAINING WALL 15
US80_WBFR2_7
FORNEY FAMILY DENTISTRY & ORTHODONTICS, ETC.
APPLEBEE'S GRILL+BAR
END US80 WBFR LANE WIDTH SHIFT ℄ US80_WBFR STA. 802+88
EXPRESS TRAVEL CENTER
NORTHWEST PROPANE GAS
END US80 WBML INSIDE SHOULDER WIDTH SHIFT ℄ US80 STA. 802+30
RWE_54880_1
EXIST EXIT RAMP TO BE REMOVED
RIO LERMA MEXICAN RESTAURANT
PERFORMANCE TIRE & SERVICE
MUSTANG CLEANERS, ETC.
VCA FORNEY ANIMAL HOSPITAL
RWE_54880_2
PROP RETAINING WALL 17
℄ RWE_
EXIST ROW
US80 WBFR
US80 WBML
US80 EBML
US80 EBFR
785+00
790+00
795+00
800+00
805+00
810+00
10+00
15+00
(31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (49) (50) (51) (52) (53) (54) (55) (56) (57) (59) (227) (228) (229) (230)
① ② ③ ④ ⑤
℄ US80_EBFR
US80_EBFR1_13
DAIRY QUEEN
EXIST 1-24" RCP TO BE REMOVED
FM 548 Talty EXIT ONLY
80' R
PROP ROW
BEGIN US80 EBML AND WBML INSIDE SHOULDER WIDTH SHIFT ℄ US80 STA. 791+00
CORE SERVICES
BROOKLYN LODGE 386 AF&AM
US80_EBFR2_3
70' R
PROP RETAINING WALL 13
EXIST OVERHEAD ELECTRIC TRANSMISSION LINE (ONCOR)
PROP RETAINING WALL 12B
EXIST UNDERGROUND 4" GAS LINE (ATMOS ENERGY)
PROP RETAINING WALL 12A
PROP RETAINING WALL 12
ATLAS INSURANCE AGENCY, ETC.
SEE SHEET 25/31 FOR FM 740 (PINSON ROAD) PLAN AND PROFILE
PINSON ROAD APARTMENTS
FM 740 (PINSON RD)
N MCGRAW ST
℄ US80_EBFR
EXIST 1-5'X3' BOX CULVERT TO BE REMOVED
SKINSENSE MEDISPA & SALON
ROUGHNECK SYSTEMS
BRAINIAC'S LEARNING ACADEMY
ALFREDO'S STEAKHOUSE
BEGIN US80 EBFR LANE WIDTH SHIFT ℄ US80_EBFR STA. 801+70
END US80 EBML INSIDE SHOULDER WIDTH SHIFT ℄ US80 STA. 803+00
EXIST 1-5'X3' BOX CULVERT TO BE REMOVED
END US80 EBFR LANE WIDTH SHIFT ℄ US80_EBFR STA. 803+00
EXIST ENTRANCE RAMP TO BE REMOVED
RIDENOW POWERSPORTS FORNEY
REX_80548_1
EXIST 2-5'X3' BOX CULVERT TO BE REMOVED
FORNEY ICEHOUSE
TX FITNESS, ETC.
50' R
50' R
ELM ST
FORNEY CLEANERS
REX_80548_2
USA TIRES, INC.
BEGIN REX_80548 MATCH PROP PAVEMENT ℄ REX_80548 STA. 1 ℄ US80 STA. 808+65.
FORNEY BUSINESS CENTER
DAL-BAC MANUFACTURING COMPANY
EXIST 1-24" RCP TO BE REMOVED
SUPER 8 BY WYNDHAM FORNEY/EAST DALLAS
BEGIN BRIDGE ℄ PINSON STA. 15+81.31
BEGIN EXISTING BRIDGE ℄ PINSON 15+14.27
EXIST TRAFFIC SIGNALS TO BE REMOVED
EXIST TRAFFIC SIGNALS TO BE REMOVED
EXIST TRAFFIC SIGNALS TO BE REMOVED
EXXON
BROOKSHIRE'S
SOULMAN'S BAR-B-QUE
BEGIN FM 740 CONSTRUCTION STA 11+00.00 MATCH EXIST PAVEMENT
PINSON'S VILLAGE
TOWN & COUNTRY MINI STORAGE & TRUCK RENTAL
N MCGRAW ST ACCESS TO FM 740 MAINTAINED THROUGH BUFFALO ST
N MCGRAW ST
SUPERELEVATION SIGN CONVENTION
℄
(-) (+)
(+) (-)

SUPERELEVATION					
BASELINE	ROADWAY	BEGIN TRANSITION		END TRANSITION	
		STATION	e	STATION	e
US80CL	US80 WBML	735+80	2.50%	740+05	3.40%
		768+23	3.40%	773+58	2.50%
		776+60	2.50%	781+55	-2.80%
		801+95	-2.80%	806+90	2.50%
US80CL	US80 EBML	735+80	-2.50%	740+05	3.40%
		768+23	3.40%	773+58	-2.50%
		776+60	-2.50%	781+55	-2.80%
		801+95	-2.80%	806+90	-2.50%


STA 789+50.00
EL = 449.00
ex = 4.58'
K = 197
L = 850.00'
STA 785+25.00 EL = 456.95
STA 793+75.00 EL = 459.39
STA 784+00.00 EL = 459.28
TX-40 GIRDERS ASSUME 4.33' STRUCTURAL DEPTH
EXIST BRIDGE 4 SPANS TO BE REMOVED
℄ FM 740 (PINSON RD) ℄ US80 STA. 789+27.03
OE SAG= 492.07'
OE SAG= 492.03'
OE SAG= 492.05'
D @ ℄ US80
19'3" M.V.C.
EXIST 4" GAS LINE TO BE RELOCATED
WBML OUTSIDE SHOULDER
-1.870%
+2.444%
EXIST US80 WB INSIDE EDGE OF TRAVEL LANE
EXIST US80 EB INSIDE EDGE OF TRAVEL LANE
+2.444%
-0.619%
STA 794+25.00 EL = 460.61
STA 798+50.00
EL = 471.00
SSD = 774'
ex = -3.25'
K = 277
L = 850.00'
STA 802+75.00 EL = 468.37
STA 807+00.00 EL = 465.74
STA 809+00.00
EL = 464.50
ex = 0.56'
K = 357
L = 400.00'
-0.619%
+0.500%
EXIST GROUND @ ℄ US80
478.3 459.28
477.8 457.41
477.0 455.69
476.1 454.45
475.7 453.72
475.2 453.50
474.6 453.79
473.9 454.59
473.5 455.89
473.2 457.70
472.2 460.00
471.3 462.34
470.4 464.34
469.6 465.97
468.9 467.24
468.5 468.16
467.6 468.71
467.0 468.90
466.2 468.73
465.7 468.21
465.2 467.60
464.8 466.98
464.1 466.36
463.5 465.74
462.9 465.26
462.4 465.06
785+00
790+00
795+00
800+00
805+00


MUSTANG CREEK FLOODPLAIN FEMA ZONE AE
RWE_54880_6
BEGIN PROP DENIAL OF ACCESS STA. 814+39.59
FORNEY FENCE SUPPLY, ETC.
PROP RETAINING WALL 20
PROP RETAINING WALL 21
RWE_54880_5
END PROP DENIAL OF ACCESS STA. 815+56.49
58
61
US80 WBFR
US80 WBML
US80 EBML
US80 EBFR
EXIST ROW
815+00
60
62
CEDAR ST
PROP RETAINING WALL 23
PROP RETAINING WALL 18
REX_80548_5
REX_80548_6
WILLARD HEATING AND AIR CONDITIONING
FURNITURE ONE
MATCHLINE STA. 816+00

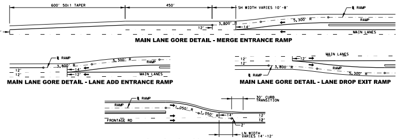


PARCEL NUMBER	OWNER NAME	PROPERTY ADDRESS
22	MM FORNEY 69, LLC	HWY. 80, FORNEY, TX
25	JEFFERSON TRIANGLE MARINE, LP	HWY. 80, FORNEY, TX
26	CRENSHAW, JOHN WESLEY & PATSY	HWY. 80, FORNEY, TX
27	CRENSHAW, JOHN WESLEY & PATSY	300 W. HWY. 80, FORNEY, TX
28	BEAM CAPITAL, LLC	0 PINSON RD., FORNEY, TX
29	FIRST UNITED METHODIST CHURCH	414 W. BROAD ST., FORNEY, TX 75126
30	FORNEY MISSIONARY BAPTIST CHURCH	417 PINSON RD., TX
31	INTERFIRST BANK FORNEY	100 W. HWY. 80 RD, FORNEY, TX
32	FORSTER, DARRELL & GILES, TERRY	105 E. HWY. 80, FORNEY, TX
33	FORSTER & GILES INVESTMENTS, GP	101 W. HWY. 80, FORNEY, TX
34	R BYRON ROACH TRUSTEE, LLC	100 HWY. 80 RD., FORNEY, TX
35	ANDREW WAYNE ENTERPRISE, INC.	101 E. HWY. 80, FORNEY, TX
36	RD PINSON, LLC	PINSON RD., FORNEY, TX
37	BROOKLYN LODGE #386	103 E. HWY. 80, FORNEY, TX
38	BEN MAR TRUST	102 E. HWY. 80, TX
39	MCGUIRE, JAMES C	107 E. HWY. 80, FORNEY, TX
40	J & J FORNEY RETAIL PLAZA, LLC	104 E. HWY. 80, FORNEY, TX
41	FORNEY HOSPITALITY, LLC	FORNEY, TX
42	WARREN, KAY L	109 E. HWY. 80, FORNEY, TX
43	J & J FORNEY RETAIL PLAZA, LLC	108 E. HWY. 80, FORNEY, TX
44	BHAVI HOSPITALITY, LLC	E. HWY. 80, FORNEY, TX
45	GUTIERREZ, JOSE ALFREDO & MARIA	111 E. HWY. 80, FORNEY, TX
46	CHILTON PROPERTIES, LLC	113 E. HWY. 80, FORNEY, TX
47	SD APPLE PROPERTIES I, LLC	114 E. HWY. 80, FORNEY, TX 75126
49	JUDGE CORPORATION	120 E. HWY. 80, FORNEY, TX
50	119 E HWY 80, LLC	HWY. 80, FORNEY, TX
51	121 E HWY 80, LLC	E. HWY. 80, FORNEY, TX
52	NORTHWEST BUTANE GAS CO.	122 HWY. 80, FORNEY, TX
53	CALDWELL, BARRY D. & JANET	124 E. HWY. 80, TX
54	BENTON LEASING, LLC	200 HWY. 80, FORNEY, TX
55	B & R KHODAPARAST, LLC	126 HWY. 80, FORNEY, TX
56	VCA REAL PROPERTY ACQUISITION CORPORATION	202 E. HWY. 80, FORNEY, TX
57	USA TIRES, INC.	203 HWY. 80, FORNEY, TX
58	P & S HOLDINGS CO., LLC	204 A E. HWY. 80, FORNEY, TX
59	FIVE TWO FARMS EXCHANGE HOLDINGS, LLC	205 E. HWY. 80, FORNEY, TX
60	KERIMORE LLC SERIES 1	207 E. HWY. 80, FORNEY, TX
61	INTERNATIONAL ARCHITECTURAL METALS	206 E. HWY. 80, FORNEY, TX
62	HOGAN EQUITIES, LLC	303 HWY. 80, FORNEY, TX
227	TAYLOR, JOHN L.	417 MC GRAW, FORNEY, TX
228	PHILLIPS, WILLIAM H. JR.	600 PINSON RD., FORNEY, TX
229	HALLETT NO. 1, LP	590 PINSON RD., FORNEY, TX
230	NANDAN CORP DBA SCOTTIES FORNEY	431 PINSON RD., FORNEY, TX

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
US80CL	US80CL_3	754+58.60	N 6,966,077.71	E 2,590,099.79	29° 14′ 55.40" (LT)	5,800.00	1,513.42	2,960.82	739+45.18	769+06.00
US80CL	US80CL_6	791+88.26	N 6,964,812.51	E 2,593,678.40	21° 59′ 52.30" (RT)	5,700.00	1,107.86	2,188.43	780+80.40	802+68.83
US80_WBFR1	US80_WBFR1_8	755+66.99	N 6,966,188.96	E 2,590,175.10	29° 14′ 55.40" (LT)	5,670.00	1,479.50	2,894.46	740+87.49	769+81.95
US80_WBFR1	US80_WBFR1_11	782+98.22	N 6,965,257.07	E 2,592,810.99	4° 20′ 07.94" (RT)	4,983.00	188.62	377.06	781+09.60	784+86.66
US80_WBFR1	US80_WBFR1_14	789+51.28	N 6,964,993.39	E 2,593,408.65	2° 44′ 41.94" (RT)	2,962.00	70.97	141.89	788+80.31	790+22.22
US80_WBFR2	US80_WBFR2_1	791+75.03	N 6,964,928.13	E 2,593,539.25	1° 56′ 07.76" (RT)	2,962.00	75.03	150.03	791+00.00	792+50.03
US80_WBFR2	US80_WBFR2_2	794+66.92	N 6,964,784.59	E 2,593,793.44	4° 15′ 18.86" (RT)	5,837.99	216.89	433.58	792+50.03	796+83.61
US80_WBFR2	US80_WBFR2_5	800+20.30	N 6,964,477.37	E 2,594,253.95	7° 45′ 35.78" (RT)	4,000.00	271.29	541.75	797+49.02	802+90.76
US80_EBFR1	US80_EBFR1_7	754+50.12	N 6,965,966.45	E 2,590,024.47	29° 14′ 55.40" (LT)	5,930.00	1,547.34	3,027.18	739+02.78	769+29.97
US80_EBFR1	US80_EBFR1_10	780+80.12	N 6,965,067.31	E 2,592,567.71	2° 49′ 54.79" (RT)	5,218.00	128.98	257.90	779+51.14	782+09.05
US80_EBFR1	US80_EBFR1_13	786+55.31	N 6,964,849.00	E 2,593,099.92	5° 38′ 25.90" (RT)	5,562.00	274.00	547.56	783+81.32	789+28.87
US80_EBFR2	US80_EBFR2_3	797+15.39	N 6,964,379.00	E 2,593,972.63	13° 01′ 26.79" (RT)	3,988.00	455.23	906.53	792+60.17	801+66.69
RWX_80LOV	RWX_80LOV_1	10+53.89	N 6,965,848.46	E 2,591,128.95	5° 52′ 35.00" (RT)	1,050.00	53.89	107.69	10+00	11+07.69
RWX_80LOV	RWX_80LOV_2	11+85.92	N 6,965,781.22	E 2,591,242.69	8° 31′ 19.13" (LT)	1,050.00	78.23	156.17	11+07.69	12+63.86
RWX_80LOV	RWX_80LOV_3	13+93.38	N 6,965,703.16	E 2,591,435.21	2° 35′ 58.98" (LT)	5,708.00	129.52	258.99	12+63.86	15+22.86
RWX_80LOV	RWX_80LOV_6	19+39.65	N 6,965,521.06	E 2,591,950.29	3° 47′ 57.73" (RT)	5,300.00	175.79	351.45	17+63.8	21+15.31
RWX_80LOV	RWX_80LOV_7	22+41.35	N 6,965,401.81	E 2,592,227.56	3° 47′ 57.73" (LT)	3,800.00	126.04	251.98	21+15.31	23+67.30
REE_68880	REE_68880_1	11+02.95	N 6,965,647.85	E 2,591,017.63	11° 11′ 59.62" (LT)	1,050.00	102.95	205.25	10+00.00	12+05.25
REE_68880	REE_68880_2	12+77.12	N 6,965,605.08	E 2,591,187.14	7° 49′ 53.22" (RT)	1,050.00	71.87	143.52	12+05.25	13+48.77
REE_68880	REE_68880_3	14+78.28	N 6,965,529.68	E 2,591,373.88	2° 31′ 06.71" (LT)	5,892.00	129.52	258.99	13+48.77	16+07.76
REE_68880	REE_68880_6	20+24.56	N 6,965,347.58	E 2,591,888.95	3° 47′ 57.73" (LT)	5,300.00	175.79	351.45	18+48.77	22+00.22
REE_68880	REE_68880_7	23+26.26	N 6,965,266.05	E 2,592,179.56	3° 47′ 57.73" (RT)	3,800.00	126.04	251.98	22+00.22	24+52.20
RWE_54880	RWE_54880_1	11+19.92	N 6,964,066.32	E 2,594,632.03	3° 36′ 54.11" (RT)	3,800.00	119.92	239.76	10+00.00	12+39.76
RWE_54880	RWE_54880_2	14+15.78	N 6,963,885.49	E 2,594,866.29	3° 48′ 15.59" (LT)	5,300.00	176.02	351.91	12+39.76	15+91.67
RWE_54880	RWE_54880_5	21+56.60	N 6,963,394.83	E 2,595,421.50	7° 04′ 38.07" (RT)	1,050.00	64.93	129.70	20+91.67	22+21.37
RWE_54880	RWE_54880_6	22+86.30	N 6,963,321.48	E 2,595,528.66	7° 04′ 38.07" (LT)	1,050.00	64.93	129.70	22+21.37	23+51.06
REX_80548	REX_80548_1	11+32.30	N 6,963,949.94	E 2,594,546.33	3° 59′ 16.44" (RT)	3,800.00	132.30	264.49	10+00.00	12+64.49
REX_80548	REX_80548_2	14+40.23	N 6,963,731.11	E 2,594,763.13	3° 47′ 53.85" (LT)	5,300.00	175.74	351.35	12+64.49	16+15.84
REX_80548	REX_80548_5	21+80.77	N 6,963,240.63	E 2,595,318.13	7° 04′ 38.07" (RT)	1,050.00	64.93	129.70	21+15.84	22+45.54
REX_80548	REX_80548_6	23+10.47	N 6,963,143.30	E 2,595,404.10	7° 04′ 38.07" (LT)	1,050.00	64.93	129.70	22+45.54	23+75.23

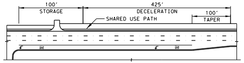
RAMP GORE DETAILS [N.T.S.]

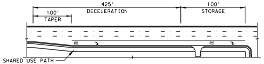

600' 50:1 TAPER
450'
SH WIDTH VARIES 10'-8'
℄ RAMP
RAMP
MAIN LANES
5,300' R
3,800' R
12'
14'
1,050' R
FRONTAGE RD
30' CURB TRANSITION
LN WIDTH VARIES 14'-12'
MAIN LANE GORE DETAIL - MERGE ENTRANCE RAMP

MAIN LANE GORE DETAIL - LANE ADD ENTRANCE RAMP

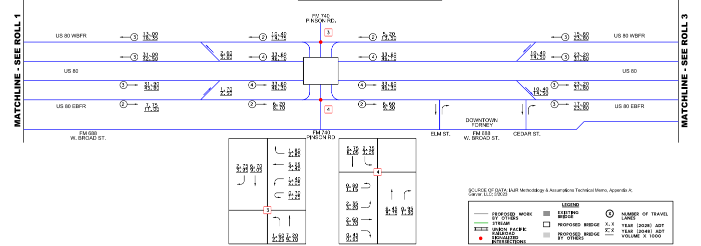
MAIN LANE GORE DETAIL - LANE DROP EXIT RAMP

FRONTAGE ROAD GORE DETAIL


100'
STORAGE
425'
DECELERATION
100'
TAPER
SHARED USE PATH
LEFT-TURN BAY DETAIL (TYPICAL)


425'
DECELERATION
100'
STORAGE
100'
TAPER
SHARED USE PATH
RIGHT-TURN BAY DETAIL (TYPICAL)

TRAFFIC LINE DIAGRAM [N.T.S.]


MATCHLINE - SEE ROLL 1
MATCHLINE - SEE ROLL 3
US 80 WBFR
US 80
US 80 EBFR
FM 740 PINSON RD.
FM 688 W. BROAD ST.
ELM ST.
DOWNTOWN FORNEY
CEDAR ST.
LEGEND
PROPOSED WORK BY OTHERS
STREAM
UNION PACIFIC RAILROAD
SIGNALIZED INTERSECTIONS
EXISTING BRIDGE
PROPOSED BRIDGE
PROPOSED BRIDGE BY OTHERS
NUMBER OF TRAVEL LANES
YEAR (2028) ADT
YEAR (2048) ADT
VOLUME X 1000
SOURCE OF DATA: IAJR Methodology & Assumptions Technical Memo, Appendix A; Garver, LLC; 3/2023

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

US 80
100% DESIGN SCHEMATIC

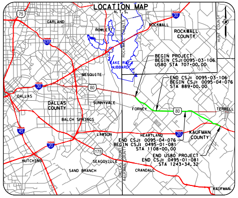
KAUFMAN COUNTY, TEXAS
FROM WEST OF FM 460 TO IH 20
CSJ: 0095-03-106, 0095-04-076 & 0495-01-081
LENGTH: 11.7 MILES

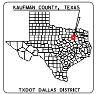
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
MAIN LANES:	60 MPH	URBAN FREEWAY
DIRECT CONNECTORS:	40 MPH	
RAMPS:	40 MPH	
FRONTAGE ROADS/BYPASSES/CONNECTORS:	40 MPH	
LOCAL STREETS:	30 MPH	LOCAL
LOCAL STREETS CONNECTORS:	20 MPH	
TURNAROUNDS:	15 MPH	

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. 872+00
ROLL 4 OF 31:	PLAN & PROFILE STA. 872+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 (1 OF 2)
ROLL 15 OF 31:	PLAN & PROFILE I-20 INTERCHANGE (2 OF 2)
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 EB AND WB 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
ROCKWALL COUNTY
BEGIN PROJECT BEGIN CSJ: 0095-03-106 US80 STA 707+00.00
END CSJ: 0095-03-106 BEGIN CSJ: 0095-04-076 STA 889+00.00
MESQUITE
DALLAS
DALLAS COUNTY
SUNNYVALE
FORNEY
TERRELL
BALCH SPRINGS
LAWSON
HEARTLAND
KAUFMAN COUNTY
END CSJ: 0095-04-076 BEGIN CSJ: 0495-01-081 STA 1108+00.00
END US80 PROJECT END CSJ: 0495-01-081 STA 1243+34.32
HUTCHINS
SEAGOVILLE
SAND BRANCH
CRANDALL
KAUFMAN


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

December 8, 2023

ROLL NUMBER 2/31

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