Texas Department of Transportation

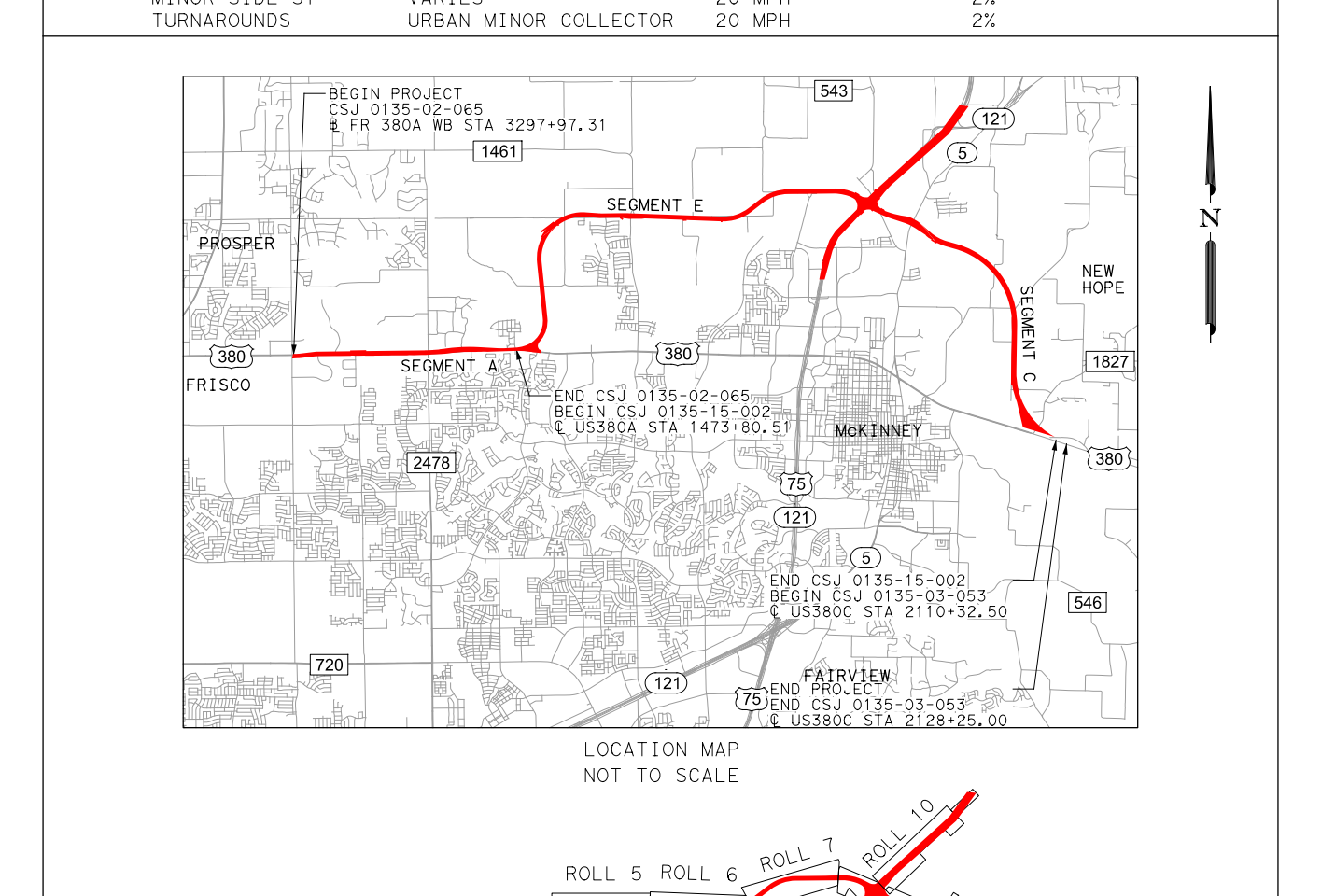
DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

PUBLIC HEARING DESIGN SCHEMATIC
US 380
COLLIN COUNTY, TEXAS

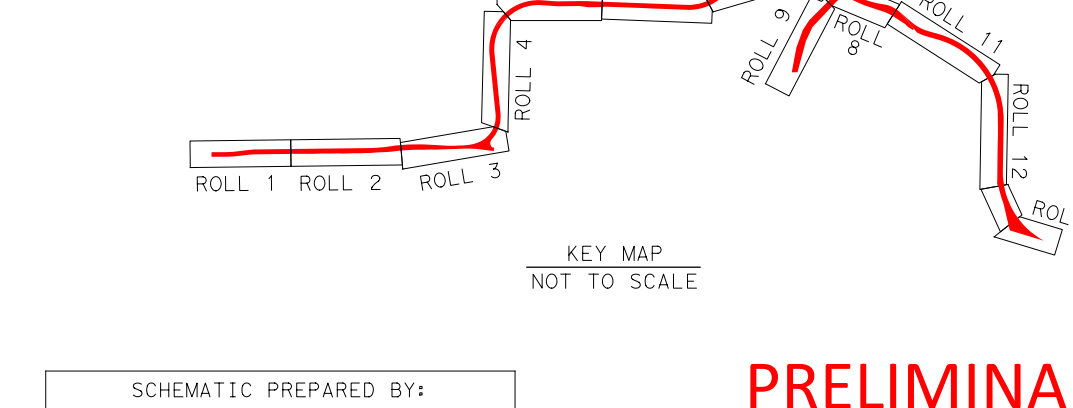
CSJ 0135-02-065
FROM COIT RD TO JCT US 380/UNIV DR
CSJ 0135-15-002
FROM JCT US 380/W UNIVERSITY DR
(W OF MCKINNEY)
TO JCT US 380/E UNIVERSITY DR
(E OF MCKINNEY)
CSJ 0135-03-053
FROM SH5 (NEW EXT OF SP399) TO FM 1827

SEGMENT A LENGTH: 5.47 MILES
SEGMENT E LENGTH: 5.61 MILES
SEGMENT C LENGTH: 4.21 MILES

ROADWAY	FUNCTIONAL CLASS.	DESIGN SPEED	eMAX
US 380 MAINLANES	URBAN FREEWAY	60 MPH	6%
RAMPS	URBAN FREEWAY	45 MPH	6%
DIRECT CONNECTOR	URBAN FREEWAY	40 MPH	6%
COLLECTOR DISTR	URBAN FREEWAY	45 MPH	6%
FRONTAGE RD	URBAN COLLECTOR	45 MPH	2%
CROSS STREET	VARIES	30 MPH	2%
MINOR SIDE ST	VARIES	20 MPH	2%
TURNAROUNDS	URBAN MINOR COLLECTOR	20 MPH	2%


BEGIN PROJECT
CSJ 0135-02-065
℄ FR 380A WB STA 3297+97.31
SEGMENT E
SEGMENT A
SEGMENT C
PROSPER
FRISCO
NEW HOPE
McKINNEY
FAIRVIEW
END CSJ 0135-02-065
BEGIN CSJ 0135-15-002
℄ US380A STA 1473+80.57
END CSJ 0135-15-002
BEGIN CSJ 0135-03-053
℄ US380C STA 2110+32.50
END PROJECT
END CSJ 0135-03-053
℄ US380C STA 2128+25.00
380
121
5
543
1461
2478
75
720
546
1827

LOCATION MAP
NOT TO SCALE


ROLL 1
ROLL 2
ROLL 3
ROLL 4
ROLL 5
ROLL 6
ROLL 7
ROLL 8
ROLL 9
ROLL 10
ROLL 11
ROLL 12
ROLL 13

KEY MAP
NOT TO SCALE

SCHEMATIC PREPARED BY:
BURNS & McDONNELL
FIRM REGISTRATION NUMBER F-845
JOSHUA RYAN ROBERTSON 115996
NAME P.E. NUMBER
1/6/2023
DATE

PRELIMINARY

NOT INTENDED FOR PERMIT, BIDDING, OR CONSTRUCTION PURPOSES AND SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW.

JANUARY 2023

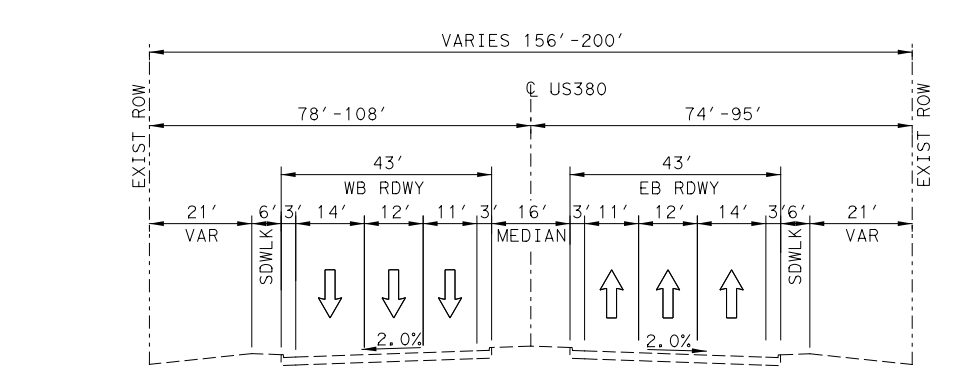
BURNS McDONNELL
13737 NOEL RD
SUITE 700
DALLAS, TX. 75240

ROLL 2 OF 13

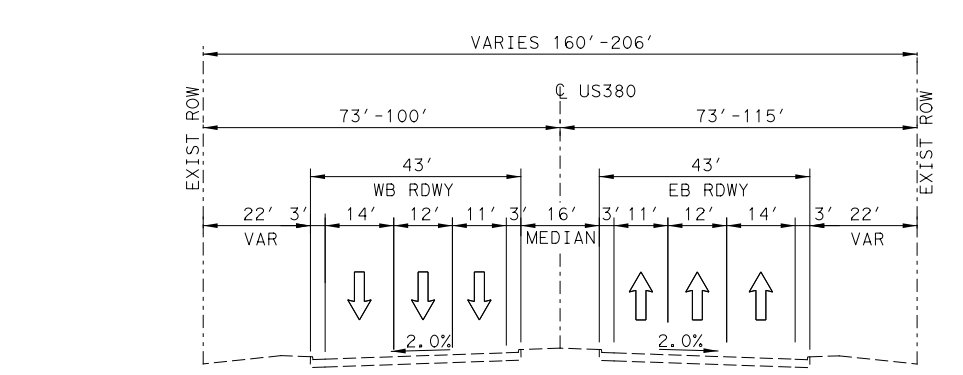
HORZ SCALE 0 50 100 200
VERT SCALE 0 5 10 20

TYPICAL SECTIONS LEGEND:
- EXISTING LANE DIRECTION OF TRAVEL
- PROPOSED LANE DIRECTION OF TRAVEL
- EXISTING ROADWAY TO REMAIN
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMPS
- PROPOSED FRONTAGE ROADS
- PROPOSED CROSS STREETS
- PROPOSED SHARED USE PATH (SUP) OR SIDEWALK

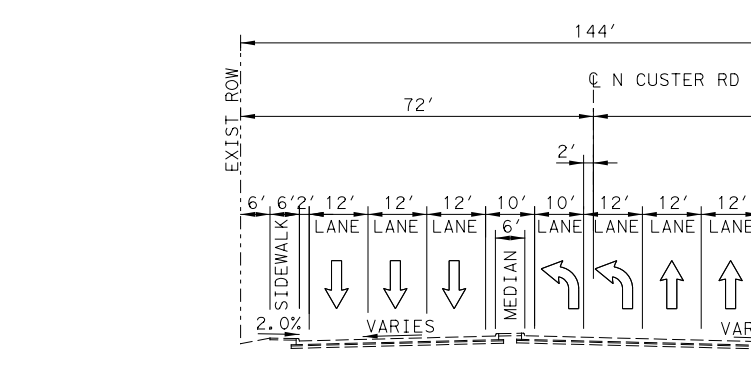
NOTES:
*CTB: CONCRETE TRAFFIC BARRIER
*CTR: CONCRETE TRAFFIC RAIL
(CTR NOT REQUIRED WHEN ADEQUATE CLEAR ZONE PROVIDED)


VARIES 156'-200'
℄ US380
78'-108'
74'-95'
WB RDWY
EB RDWY
EXIST ROW
SDWLK
MEDIAN
VAR
2.0%

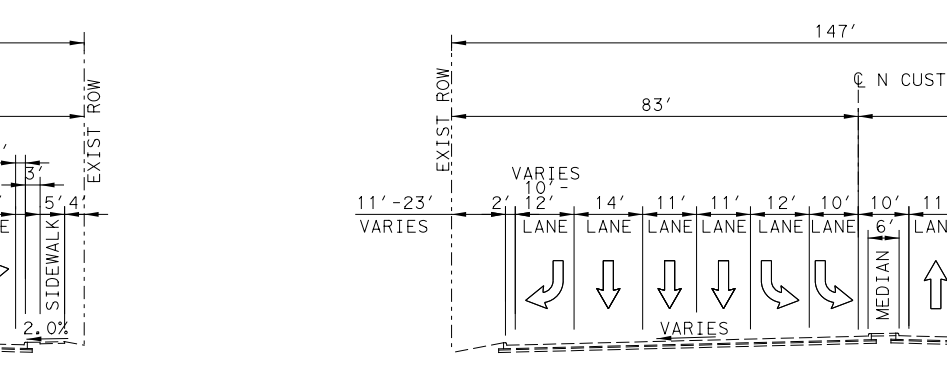
EXISTING US 380
COIT RD TO N CUSTER RD


VARIES 160'-206'
℄ US380
73'-100'
73'-115'
WB RDWY
EB RDWY
EXIST ROW
MEDIAN
VAR
2.0%

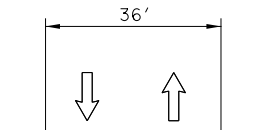
EXISTING US 380
N CUSTER RD TO TREMONT BLVD


144'
℄ N CUSTER RD
72'
72'
EXIST ROW
SIDEWALK
LANE
MEDIAN
VARIES

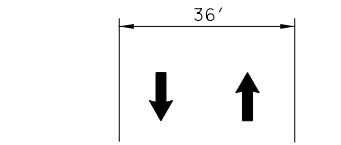
FUTURE N CUSTER RD (FM 2478) BY OTHERS
SOUTH APPROACH AT US380


147'
℄ N CUSTER RD
83'
64'
VARIES
11'-23'
EXIST ROW
LANE
MEDIAN
SIDEWALK

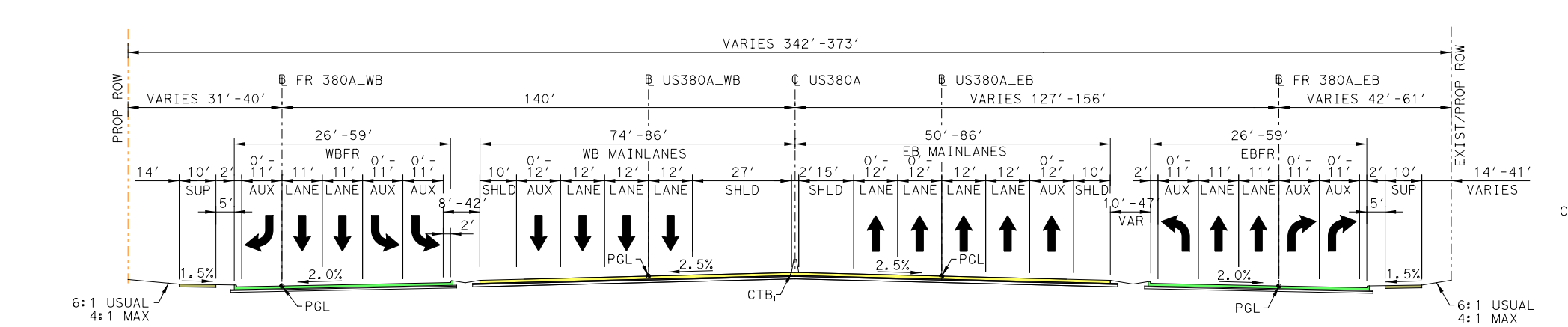
FUTURE EXISTING N CUSTER RD (FM 2478)
NORTH APPROACH AT US380



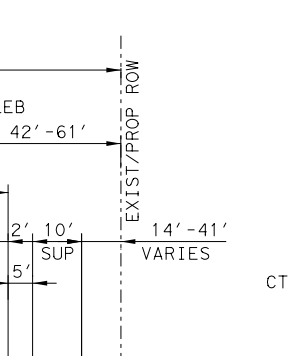
EXISTING CR 852
NORTH APPROACH AT US380



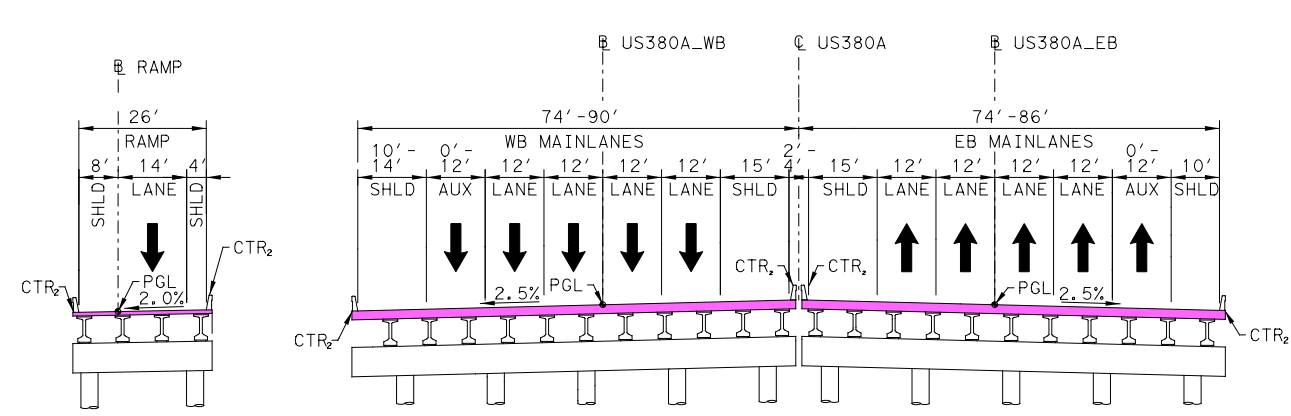
PROPOSED CR 852
NORTH APPROACH AT US380


VARIES 342'-373'
℄ FR 380A_WB
℄ US380A_WB
℄ US380A
℄ US380A_EB
℄ FR 380A_EB
VARIES 31'-40'
26'-59'
WBFR
140'
74'-86'
WB MAINLANES
50'-86'
EB MAINLANES
VARIES 127'-156'
26'-59'
EBFR
VARIES 42'-61'
PROP ROW
SUP
AUX
LANE
SHLD
PGL
CTB
2.0%
2.5%
1.5%
6:1 USUAL
4:1 MAX

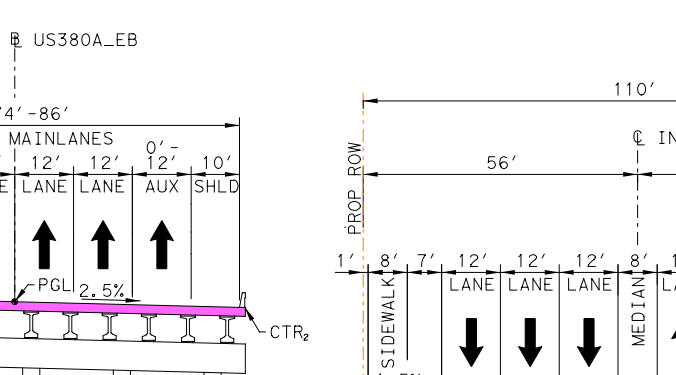
PROPOSED US 380 - 342'-373' ROW
7 ML, 2-3 LN FR
STA 1336+50.00 TO STA 1386+83.99


℄ RAMP
26'
RAMP
14'
SHLD
PGL
CTR

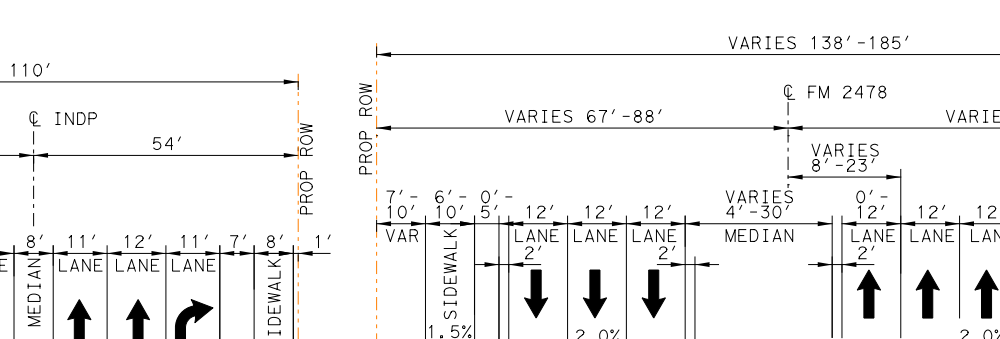
PROPOSED US 380
1 LANE BRIDGED RAMP
SEE PLAN FOR BRIDGE LIMITS
MIRROR FOR EB


℄ US380A_WB
℄ US380A
℄ US380A_EB
74'-90'
WB MAINLANES
74'-86'
EB MAINLANES
SHLD
AUX
LANE
PGL
CTR
2.5%

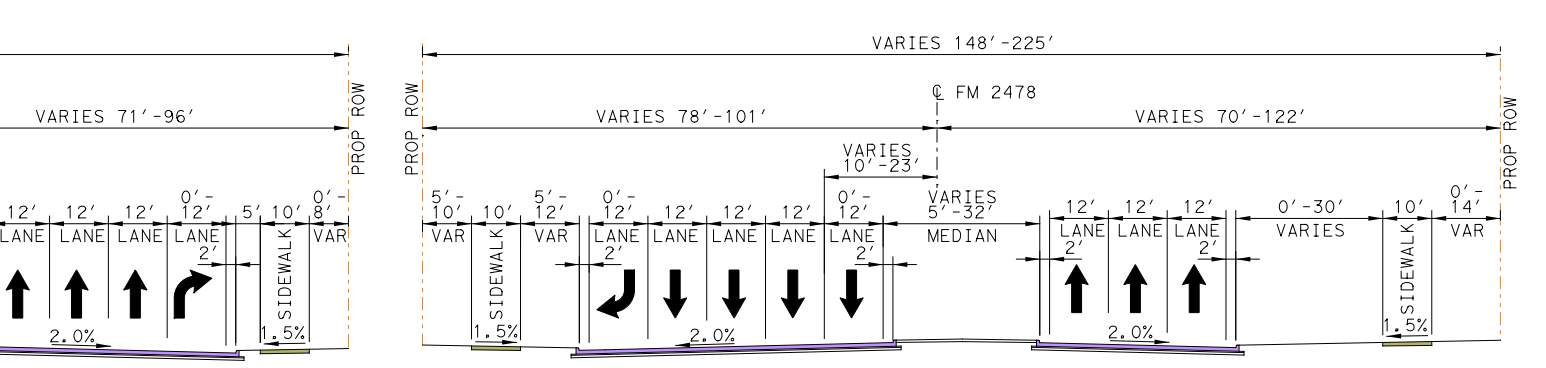
PROPOSED US 380 BRIDGE
SEE PLANS FOR BRIDGE LIMITS


110'
℄ INDP
56'
54'
PROP ROW
SIDEWALK
LANE
MEDIAN
2.0%
1.5%

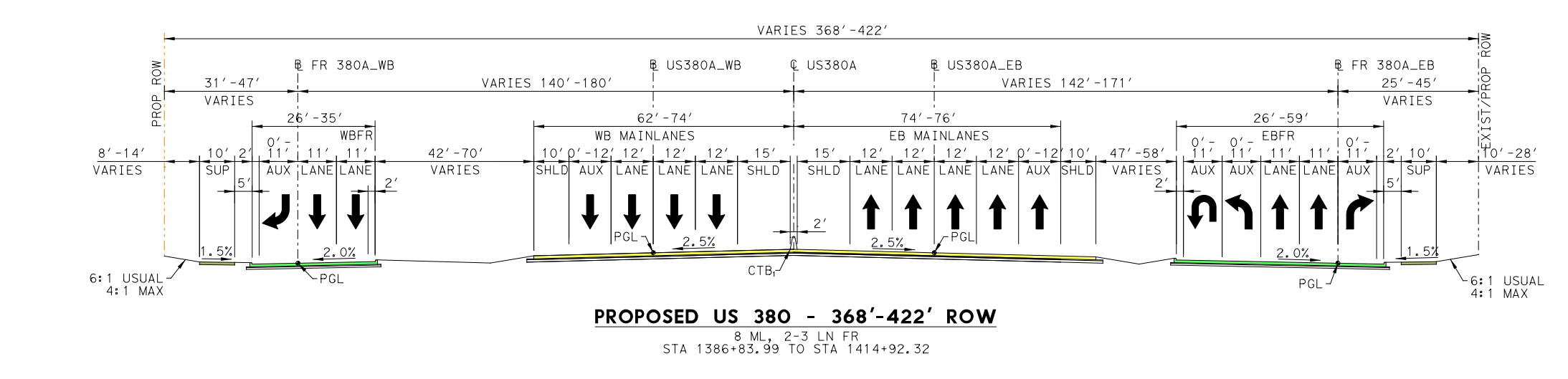
PROPOSED INDEPENDENCE PKWY
SOUTH APPROACH AT US380


VARIES 138'-185'
℄ FM 2478
VARIES 67'-88'
VARIES 71'-96'
PROP ROW
SIDEWALK
LANE
MEDIAN
VAR
2.0%
1.5%

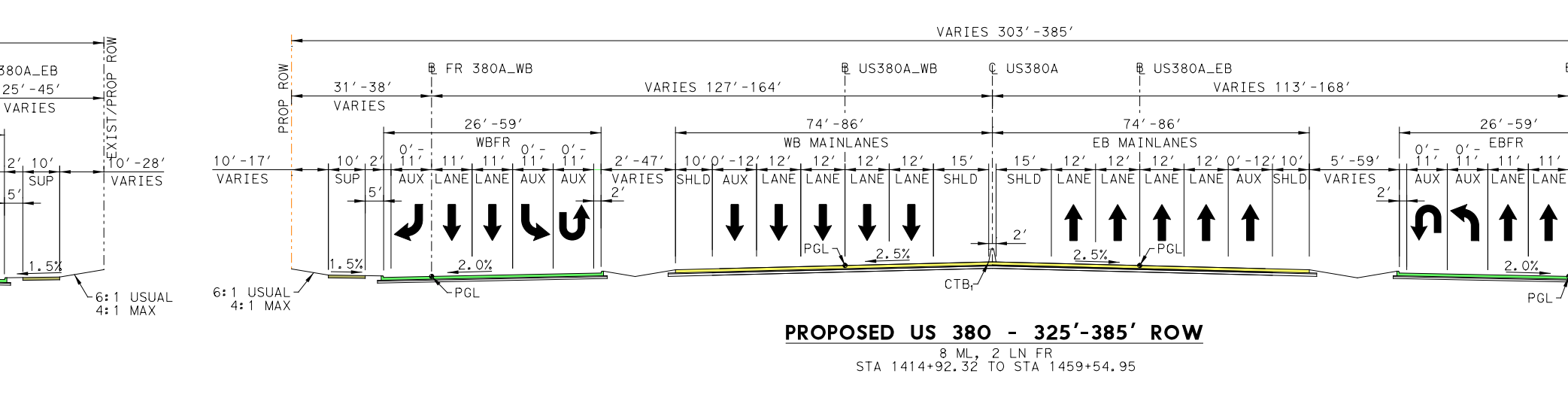
PROPOSED N CUSTER RD (FM 2478)
SOUTH APPROACH AT US380


VARIES 148'-225'
℄ FM 2478
VARIES 78'-101'
VARIES 70'-122'
PROP ROW
SIDEWALK
LANE
MEDIAN
VARIES
2.0%
1.5%

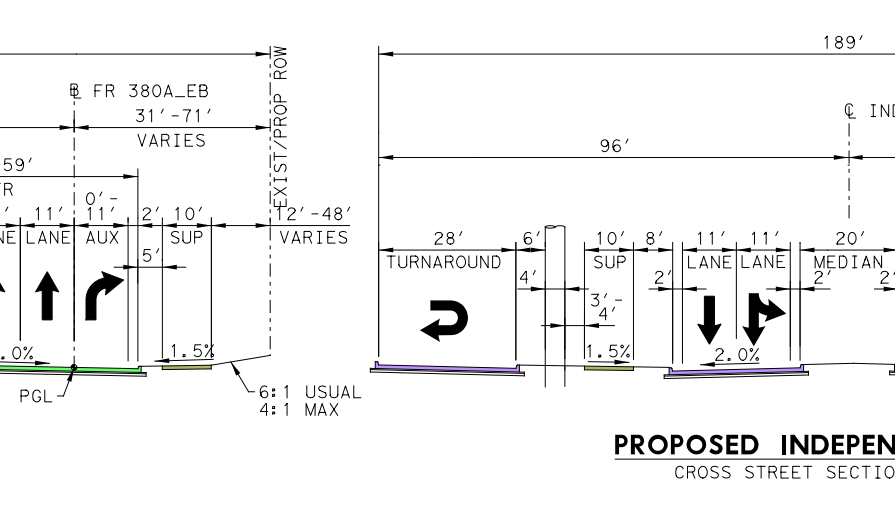
PROPOSED N CUSTER RD (FM 2478)
NORTH APPROACH AT US380


VARIES 368'-422'
℄ FR 380A_WB
℄ US380A_WB
℄ US380A
℄ US380A_EB
℄ FR 380A_EB
31'-47'
VARIES
26'-35'
WBFR
VARIES 140'-180'
62'-74'
WB MAINLANES
74'-76'
EB MAINLANES
VARIES 142'-171'
26'-59'
EBFR
25'-45'
PROP ROW
SUP
AUX
LANE
SHLD
PGL
CTB
2.0%
2.5%
1.5%
6:1 USUAL
4:1 MAX

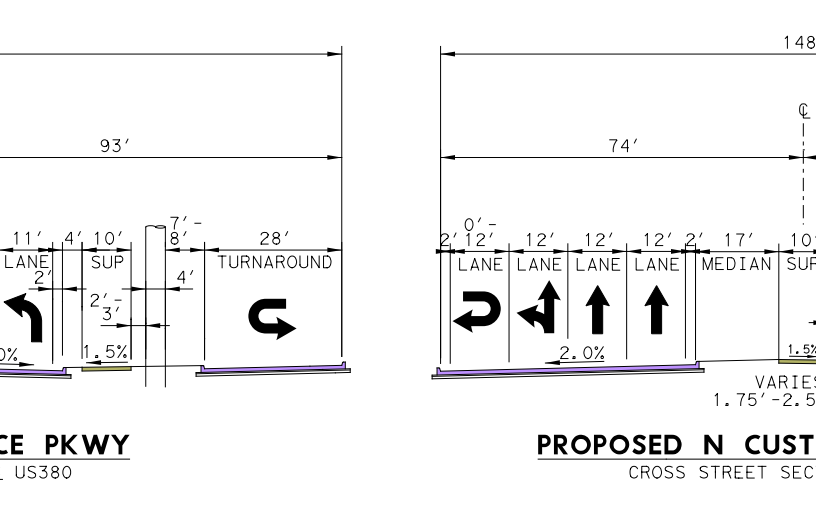
PROPOSED US 380 - 368'-422' ROW
8 ML, 2-3 LN FR
STA 1386+83.99 TO STA 1414+92.32


VARIES 303'-385'
℄ FR 380A_WB
℄ US380A_WB
℄ US380A
℄ US380A_EB
℄ FR 380A_EB
31'-38'
VARIES
26'-59'
WBFR
VARIES 127'-164'
74'-86'
WB MAINLANES
74'-86'
EB MAINLANES
VARIES 113'-168'
26'-59'
EBFR
31'-71'
PROP ROW
SUP
AUX
LANE
SHLD
PGL
CTB
2.0%
2.5%
1.5%
6:1 USUAL
4:1 MAX

PROPOSED US 380 - 325'-385' ROW
8 ML, 2 LN FR
STA 1414+92.32 TO STA 1459+54.95

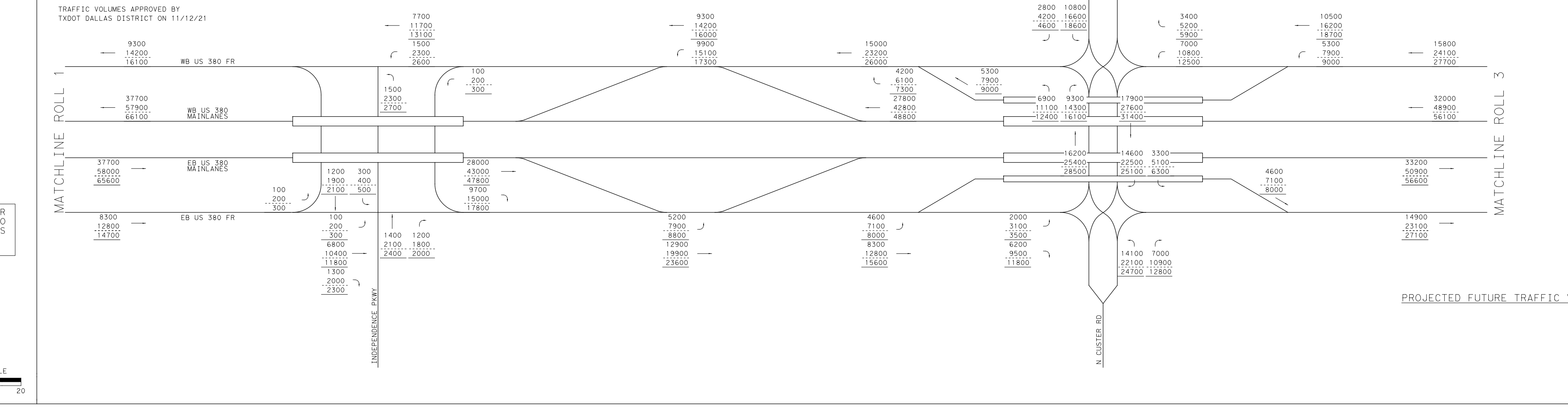

189'
℄ INDP
96'
93'
TURNAROUND
SUP
LANE
MEDIAN
2.0%

PROPOSED INDEPENDENCE PKWY
CROSS STREET SECTION AT ℄ US380


148'
℄ FM 2478
74'
74'
VARIES
3.5'-4.5'
TURNAROUND
LANE
MEDIAN
SUP
VAR
VARIES
1.75'-2.5'
2.0%

PROPOSED N CUSTER RD (FM 2478)
CROSS STREET SECTION AT ℄ US380

TRAFFIC LEGEND:
XX,XXX YEAR 2030 ADT
XX,XXX YEAR 2050 ADT
XX,XXX YEAR 2060 ADT
TRAFFIC VOLUMES APPROVED BY TXDOT DALLAS DISTRICT ON 11/12/21

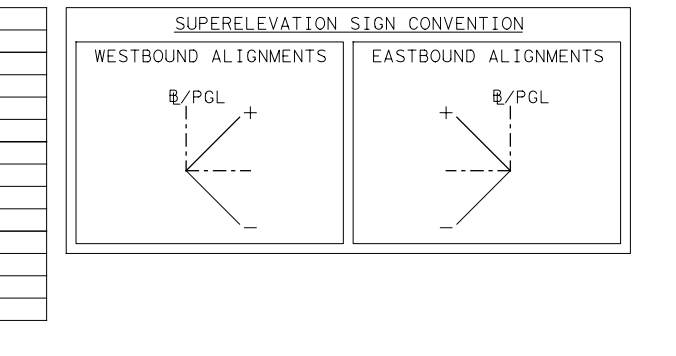

MATCHLINE ROLL 1
MATCHLINE ROLL 3
WB US 380 FR
WB US 380 MAINLANES
EB US 380 MAINLANES
EB US 380 FR
INDEPENDENCE PKWY
N CUSTER RD
9300 14200 16100
37700 57900 66100
37700 58000 65600
8300 12800 14700
7700 11700 13100
1500 2300 2600
1500 2300 2700
100 200 300
1200 1900 2100
300 400 500
28000 43000 47800
9700 15000 17800
6800 10400 11800
1300 2000 2300
1400 2100 2400
1200 1800 2000
9300 14200 16000
9900 15100 17300
15000 23200 26000
4200 6100 7300
27800 42800 48800
5200 7900 8800
12900 19900 23600
4600 7100 8000
8300 12800 15600
2800 4200 4600
10800 16600 18600
5300 7900 9000
6900 11100 12400
9300 14300 16100
17900 27600 31400
16200 25400 28500
14600 22500 25100
3300 5100 6300
2000 3100 3500
6200 9500 11800
14100 22100 24700
7000 10900 13800
3400 5200 5900
7000 10800 12500
10500 16200 18700
15800 24100 27700
32000 48900 56100
33200 50900 56600
14900 23100 27100

PROJECTED FUTURE TRAFFIC VOLUME DIAGRAM

HORIZONTAL CURVE DATA										
ALIGNMENT	CURVE NAME	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	PC STATION	PT STATION	PI STATION	PI NORTHING (Y)	PI EASTING (X)
CL_US380A (60 MPH)	CL_US380A_1	5° 53′ 48.06"	0° 21′ 29.16"	824.06′	1646.66′	16000′	1399+77.73	1416+24.40	1408+01.79	7131984.87	2509731.87
	CL_US380A_2	7° 39′ 50.36"	0° 15′ 16.73"	1507.07′	3009.64′	22500′	1416+24.40	1446+34.04	1431+31.46	7132252.69	2512047.56
BL_US380A_EB (60 MPH)	BL_US380A_EB_1	5° 53′ 48.06"	0° 21′ 25.94"	826.12′	1650.78′	16040′	1399+77.88	1416+28.66	1408+04.00	7131944.90	2509734.42
	BL_US380A_EB_2	7° 39′ 50.36"	0° 15′ 18.37"	1504.39′	3004.29′	22460′	1416+28.66	1446+32.95	1431+33.05	7132212.65	2512049.49
BL_US380A_WB (60 MPH)	BL_US380A_WB_1	5° 53′ 48.06"	0° 21′ 32.39"	822.00′	1642.55′	15960′	1399+77.58	1416+20.13	1407+99.58	7132024.84	2509729.32
	BL_US380A_WB_2	7° 39′ 50.36"	0° 15′ 15.11"	1509.75′	3014.99′	22540′	1416+20.13	1446+35.12	1431+29.88	7132292.74	2512045.63
FR_380A_EB (45 MPH)	FR_380A_EB_5	1° 58′ 40.99"	2° 51′ 53.24"	34.53′	69.05′	2000′	2361+58.86	2362+27.91	2361+93.39	7131794.44	2505126.71
	FR_380A_EB_6	1° 59′ 29.50"	2° 51′ 53.24"	34.76′	69.52′	2000′	2362+27.91	2362+97.42	2362+62.67	7131792.67	2505195.98
	FR_380A_EB_7	1° 9′ 27.23"	2° 51′ 53.24"	20.20′	40.41′	2000′	2380+30.96	2380+71.36	2380+51.16	7131809.14	2506984.40
	FR_380A_EB_8	1° 9′ 27.23"	1° 8′ 45.30"	50.51′	101.02′	5000′	2390+89.65	2391+90.67	2391+40.16	7131797.16	2508073.34
	FR_380A_EB_9	4° 17′ 40.80"	1° 54′ 35.49"	112.49′	224.87′	3000′	2401+27.88	2403+52.75	2402+40.37	7131807.29	2509173.50
	FR_380A_EB_10	2° 41′ 17.43"	1° 18′ 7.84"	103.24′	206.44′	4400′	2411+47.51	2413+53.95	2412+50.75	7131892.24	2510180.41
	FR_380A_EB_11	3° 30′ 24.93"	1° 13′ 8.61"	143.88′	287.67′	4700′	2413+53.95	2416+41.63	2414+97.83	7131924.54	2510425.41
FR_380A_WB (45 MPH)	FR_380A_WB_3	7° 45′ 46.48"	1° 54′ 35.49"	203.54′	406.47′	3000′	3392+85.96	3396+92.42	3394+89.50	7132108.84	2508420.06
	FR_380A_WB_4	6° 59′ 44.43"	5° 43′ 46.48"	61.12′	122.10′	1000′	3396+92.42	3398+14.52	3397+53.54	7132147.80	2508681.84
	FR_380A_WB_5	5° 59′ 57.62"	1° 54′ 35.49"	157.21′	314.12′	3000′	3408+26.51	3411+40.64	3409+83.72	7132179.31	2509911.76
	FR_380A_WB_6	3° 17′ 10.76"	1° 54′ 35.49"	86.06′	172.07′	3000′	3411+40.64	3413+12.71	3412+26.70	7132210.93	2510152.97
RP_2478_EBEX (45 MPH)	RP_2478_EBEX_1	3° 37′ 17.92"	1° 14′ 44.02"	145.43′	290.76′	4600′	10+00.00	12+90.76	11+45.43	7131848.66	2504807.67
	RP_2478_EBEX_2	3° 21′ 13.79"	0° 43′ 30.95"	231.28′	462.43′	7900′	12+90.76	17+53.19	15+22.04	7131829.46	2505183.90
	RP_2478_EBEX_3	7° 12′ 2.94"	5° 27′ 24.27"	66.07′	131.96′	1050′	20+66.28	21+98.24	21+32.35	7131834.07	2505794.31
	RP_2478_EBEX_4	7° 17′ 44.35"	5° 27′ 24.27"	66.94′	133.70′	1050′	21+98.24	23+31.94	22+65.18	7131818.40	2505926.39
RP_INDP_EBEN (45 MPH)	RP_INDP_EBEN_1	8° 59′ 20.41"	5° 27′ 24.27"	82.54′	164.73′	1050′	10+00.00	11+64.73	10+82.54	7131826.87	2506846.89
	RP_INDP_EBEN_2	9° 4′ 23.24"	5° 27′ 24.27"	83.31′	166.27′	1050′	11+64.73	13+31.01	12+48.04	7131854.29	2507010.45
	RP_INDP_EBEN_3	3° 48′ 29.06"	0° 43′ 30.95"	262.63′	525.06′	7900′	18+32.14	23+57.20	20+94.77	7131860.85	2507857.50
	RP_INDP_EBEN_4	3° 33′ 3.81"	1° 14′ 44.02"	142.59′	285.10′	4600′	23+57.20	26+42.30	24+99.79	7131890.89	2508261.61
RP_COIT_WBEX (45 MPH)	RP_COIT_WBEX_4	2° 59′ 42.48"	0° 16′ 38.86"	539.86′	1079.48′	20650′	19+91.44	30+70.92	25+31.30	7131969.86	2503268.93
RP_2478_WBEN (45 MPH)	RP_2478_WBEN_1	3° 41′ 45.99"	1° 14′ 44.02"	148.42′	296.74′	4600′	10+00.00	12+96.74	11+48.42	7131998.29	2504612.84
	RP_2478_WBEN_2	3° 41′ 45.99"	0° 43′ 30.95"	254.90′	509.62′	7900′	12+96.74	18+06.37	15+51.64	7132029.21	2505014.98
	RP_2478_WBEN_3	7° 42′ 47.40"	5° 27′ 24.27"	70.78′	141.35′	1050′	20+61.33	22+02.69	21+32.12	7132036.31	2505595.58
	RP_2478_WBEN_4	7° 42′ 47.40"	5° 27′ 24.27"	70.78′	141.35′	1050′	22+02.69	23+44.04	22+73.47	7132057.02	2505735.63
RP_INDP_WBEX (45 MPH)	RP_INDP_WBEX_1	4° 56′ 28.85"	5° 27′ 24.27"	45.31′	90.55′	1050′	10+00.00	10+90.55	10+45.31	7132068.73	2506693.01
	RP_INDP_WBEX_2	4° 54′ 42.86"	1° 13′ 8.61"	201.59′	402.93′	4700′	10+90.55	14+93.48	12+92.14	7132050.47	2506939.23
	RP_INDP_WBEX_3	3° 28′ 38.63"	0° 43′ 30.95"	239.81′	479.47′	7900′	19+31.44	24+10.91	21+71.25	7132060.77	2507818.52
	RP_INDP_WBEX_4	3° 30′ 24.61"	1° 14′ 44.02"	140.82′	281.55′	4600′	24+10.91	26+92.46	25+51.73	7132042.13	2508198.69
CD_2478_EB (45 MPH)	CD_2478_EB_1	7° 19′ 50.01"	5° 27′ 24.27"	67.26′	134.34′	1050′	10+00.00	11+34.34	10+67.26	7131818.36	2507873.48
	CD_2478_EB_10	6° 5′ 31.98"	5° 27′ 24.27"	55.88′	111.65′	1050′	36+90.49	38+02.13	37+46.36	7131942.88	2510436.75
	CD_2478_EB_2	6° 0′ 0.05"	1° 13′ 8.61"	246.32′	492.18′	4700′	11+34.34	16+26.52	13+80.66	7131854.95	2508184.92
	CD_2478_EB_5	3° 28′ 33.60"	0° 43′ 30.95"	239.71′	479.27′	7900′	22+37.67	27+16.94	24+77.38	7131868.36	2509282.01
	CD_2478_EB_8	5° 20′ 58.10"	5° 27′ 24.27"	49.05′	98.03′	1050′	34+80.81	35+78.84	35+29.86	7131945.03	2510331.84
	CD_2478_EB_9	6° 5′ 31.98"	5° 27′ 24.27"	55.88′	111.65′	1050′	35+78.84	36+90.49	36+34.72	7131942.88	2510436.75
CD_2478_WB (45 MPH)	CD_2478_WB_1	8° 8′ 3.90"	5° 27′ 24.27"	74.66′	149.07′	1050′	10+00.00	11+49.07	10+74.66	7132096.30	2508027.37
	CD_2478_WB_2	7° 43′ 21.48"	5° 27′ 24.27"	70.87′	141.52′	1050′	11+49.07	12+90.60	12+19.94	7132078.22	2508171.77
	CD_2478_WB_5	3° 1′ 46.49"	0° 17′ 11.32"	528.88′	1057.52′	20000′	18+25.35	28+82.87	23+54.23	7132089.86	2509306.22
	CD_2478_WB_6	7° 46′ 19.40"	1° 13′ 8.61"	319.26′	637.55′	4700′	28+82.87	35+20.41	32+02.13	7132143.37	2510152.67
	CD_2478_WB_7	7° 12′ 30.08"	5° 27′ 24.27"	66.14′	132.10′	1050′	35+20.41	36+52.51	35+86.55	7132219.47	2510530.48

SUPERELEVATION		
CHAIN NAME	STATION	CROSS SLOPE
CL_US380A_EB	1336+50.00	2.50%
	1470+80.00	2.50%
CL_US380A_WB	1336+00.00	2.50%
	1472+56.00	2.50%
RP_2478_EBEX	20+00.00	2.50%
	20+50.00	2.00%
RP_INDP_EBEN	13+50.00	2.00%
	14+00.00	2.50%
RP_2478_WBEN	20+10.00	2.50%
	20+60.00	2.00%
RP_INDP_WBEX	15+00.00	2.00%
	15+50.00	2.50%

SUPERELEVATION SIGN CONVENTION

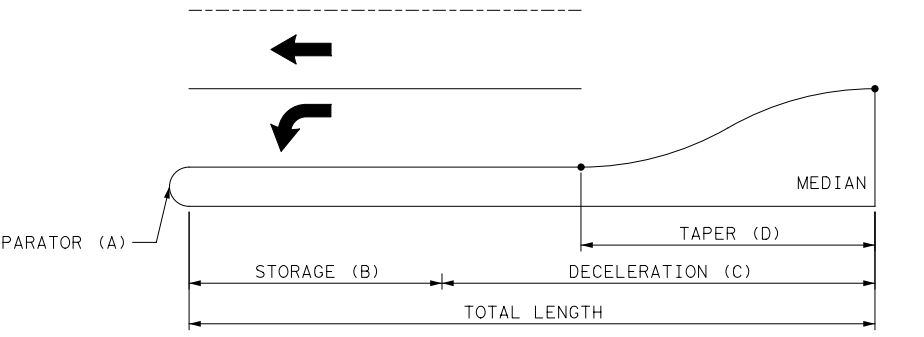

WESTBOUND ALIGNMENTS
EASTBOUND ALIGNMENTS
℄/PGL
+
−

PROPERTY OWNERS			
PARCEL	OWNER	ADDRESS	OCCUPANT
10	55 PROSPER LP	3794 W HIGHWAY 67 UNIT C GLEN ROSE	VACANT LAND
37	FORTUNE, GERSHYWN	14155 N RED OAK CIR MCKINNEY, TX 75071	VACANT RESIDENTIAL PLOT
38	ROESCHLEY, KEITH & MARCIE	14205 RED OAK CIR N MCKINNEY, TX 75071	RESIDENTIAL
39	R L SMITH	16990 REDBUD DR MCKINNEY, TX 75071	RESIDENTIAL
40	STORY LIVING TRUST	10753 E UNIVERSITY DR MCKINNEY, TX 75071	RESIDENTIAL
41	STORY FAMILY TRUST U/T/A	10753 E UNIVERSITY DR MCKINNEY, TX 75071	RESIDENTIAL
42	J B PHIPPS	1865 PRIVATE ROAD 5312 MCKINNEY, TX 75071	WOODLAND PARK PET RESORT
43	FERGUSON ENTERPRISES INC	10071 W UNIVERSITY DR MCKINNEY, TX 75071	FERGUSON ENTERPRISES/ NEXTEL
44	UH STORAGE (DE) LP	10061 W UNIVERSITY DR MCKINNEY, TX 75071	U-HAUL SELF STORAGE
45	WATTS INVESTMENTS LLC	10041 W UNIVERSITY DR MCKINNEY, TX 75071	SUNSTATE RENTALS
46	AGARITA HOLDINGS LLC	10011 W UNIVERSITY DR MCKINNEY, TX 75071	CHAPMAN CONSTRUCTION INC.
47	BOTTOM LINE CONSULTANTS INC	9983 W UNIVERSITY DR MCKINNEY, TX 75071	CALIBER COLLISION
48	UBP INVESTMENTS LLC	1951 UNIVERSITY BUSINESS DR STE 119 MCKINNEY, TX 75071	UNIVERSITY BUSINESS PLAZA
49	PROSPER HOLLOW LP	826 MANGO CT COPPELL, TX	FARM
50	DD BROOKHOLLOW LLC	4001 E UNIVERSITY DR PROSPER, TX 75078	DFW STONE SUPPLY
51	104 PROSPER LP	5850 GRANITE PKWY STE 100 PLANO, TX	VACANT LAND
52	PROSPER DETENTION LLC	4201 E UNIVERSITY DR PROSPER, TX 75078	VACANT LAND W/ LAKE
53	KROGER TEXAS LP	751 FREEPORT PKWY COPPELL, TX	PROSPER PLAZA
54	KROGER TEXAS LP	4161 E UNIVERSITY DR PROSPER, TX 75078	PROSPER PLAZA
55	BRIDGESTONE RETAIL OPERATIONS LLC	4211 E UNIVERSITY DR PROSPER, TX 75078	FIRESTONE
56	POP HOLDINGS LP	4235 E UNIVERSITY DR PROSPER, TX 75078	POPEYES LOUISIANA KITCHEN
57	ROSEBRIAR PROSPER PLAZA LP	4261 E UNIVERSITY DR PROSPER, TX 75078	PROSPER PLAZA
58	LOWE'S HOME CENTERS LLC	4301 E UNIVERSITY DR PROSPER, TX 75078	LOWES HOME CENTER
59	ROSEBRIAR PROSPER PLAZA LP	4325 E UNIVERSITY DR PROSPER, TX 75078	PROSPER PLAZA
60	WS RESIDENTIAL INVESTMENTS LLC	170 WESTCOTT ST HOUSTON, TX 77007-7003	PROSPER PLAZA
61	FIREBRAND PROPERTIES LP	4355 E UNIVERSITY DR PROSPER, TX 75078	BURGER KING
62	ROSEBRIAR PROSPER PLAZA LP	4385 E UNIVERSITY DR PROSPER, TX 75078	TACO BUENO
63	WAL-MART REAL ESTATES BUSINESS TRUST	1721 N CUSTER RD MCKINNEY, TX 75071	WAL-MART SUPER CENTER
64	MURPHY OIL USA INC	9091 W UNIVERSITY DR MCKINNEY, TX 75071	WAL-MART FUEL CENTER
65	HAYCO REALITY LTD	9053 W UNIVERSITY DR MCKINNEY, TX 75071	WHATABURGER
66	WACHOVIA BANK NATIONAL ASSOC.	9021 W UNIVERSITY DR MCKINNEY, TX 75071	WELLS FARGO BANK
67	TEXAS BROTHERS LLC	1841 N CUSTER RD MCKINNEY, TX 75071	PARKING LOT
68	WYE TOWN FARM LLC	1850 N CUSTER RD MCKINNEY, TX 75071	FABULOUS CAR WASH
69	TCG CUSTER/380 INVESTORS LLC	8995 W UNIVERSITY DR MCKINNEY, TX 75071	MEDICAL CITY EMERGENCY ROOM
70	CUSTER & SKINNER 380 LLC	8885 W UNIVERSITY DR MCKINNEY, TX 75071	7-ELEVEN
71	BENCHMARK TRUST	4009 OLD DENTON RD STE 114-238 CARROLTON, TX	VACANT LAND
72	EWING IRRIGATION PRODUCTS INC	8960 W UNIVERSITY DR MCKINNEY, TX 75071	EWING IRRIGATION
73	AHV BFRG HIDDEN LAKES OWNER LLC	150 PAULARINO DR D250 COSTA MESA, CA 92626	VACANT LAND
74	KEN & KEVIN HOLDING LLC	8850 W UNIVERSITY DR MCKINNEY, TX 75071	FORMER VALERO
75	PAUL B BRACKEEN	8734 W UNIVERSITY DR MCKINNEY, TX 75071	BRACKEEN TRAILER SALES
76	RICHARD L & NANCY A MADDOX	2112 N CUSTER RD MCKINNEY, TX 75071	REBAR SUPPLY & TEXAS COLLISION
77	WYMORE GROVE PARTNERSHIP	2138 N CUSTER RD MCKINNEY, TX 75071	CALIBER COLLISION
78	SSGT 2280 N CUSTER RD LLC	2280 N CUSTER RD MCKINNEY, TX 75071	SMART STOP SELF STORAGE
79	BRADAM JERRY W & C A REAVIS	2159 COUNTY ROAD 852 MCKINNEY, TX 75071	RESIDENTIAL
80	RANKIN FAMILY LP	8720 W UNIVERSITY DR MCKINNEY, TX 75071	VALVOLINE INSTANT OILCHANGE
81	CBC PROPERTY HOLDINGS LP	8710 W UNIVERSITY DR MCKINNEY, TX 75071	WALNUT GROVE SHOPS
82	CBC PROPERTY HOLDINGS LP	8700 W UNIVERSITY DR MCKINNEY, TX 75071	WALNUT GROVE SHOPS
83	BOMAC MCKINNEY INVESTMENTS LLC	8650 W UNIVERSITY DR MCKINNEY, TX 75071	WALNUT GROVE SHOPS
84	FRANK & SHARON BAKER	PO BOX 289 CHATTAROY, WA 99003-0289	WALNUT GROVE SHOPS
85	MATTHEW T MCDONALD	2124 COUNTY ROAD 852 MCKINNEY, TX 75071	RESIDENTIAL
86	S A PAUL ENTERPRISE INC	6383 FRANCIS LN FRISCO, TX 75035-7364	WALNUT GROVE
87	380 CENTURY STAR LLC	538 HAGGARD ST STE 412 PLANO, TX 75074-5564	WALNUT GROVE
88	380 CENTURY STAR LLC	538 HAGGARD ST STE 412 PLANO, TX 75074-5564	WALNUT GROVE
89	S A PAUL ENTERPRISE INC	6383 FRANCIS LN FRISCO, TX 75035-7364	WALNUT GROVE
90	PRIME URBAN FLEX MCKINNEY LLC	8400 W UNIVERSITY DR MCKINNEY, TX 75071	WALNUT GROVE
94	ENTERTAINMENT PROPERTIES 360 LLC	8505 W UNIVERSITY DR MCKINNEY, TX 75071	VACANT LAND

HORIZONTAL CURVE SHOULDER DATA			
ROADWAY	CURVE NAME	INSIDE SHOULDER WIDTH (FT)	OUTSIDE SHOULDER WIDTH (FT)
BL_US380A_EB	BL_US380A_EB_1	15	10
	BL_US380A_EB_2	15	10
BL_US380A_WB	BL_US380A_WB_1	16-27	10
	BL_US380A_WB_2	15-16	10

TURN BAY LENGTHS				
LOCATION	TAPER LENGTH	DECEL LENGTH	STORAGE LENGTH	TOTAL LENGTH
L3	150′	340′	346′	686′
L4	150′	340′	193′	533′
L5	150′	340′	390′	730′
L6	N/A THRU LANE BECOMES TURN LANE			
R5	150′	340′	30′	375′
R6	EXTENSION OF R5		465′	840′
R7	150′	340′	125′	465′
R8	EXTENSION OF R5		596′	1061′
R9	150′	275′	30′	305′
R10	N/A THRU LANE BECOMES TURN LANE			

PROPOSED TAPERS					
LOCATION	TYPE	BASELINE	BEGIN TAPER	END TAPER	TAPER RATE
1	LANE ADDITION (2)	BL US380A EB	1339+03.01 22.38 RT	1346+71.06 24.00 LT	32:1
2	RAMP ACCELERATION	BL US380A EB	1401+57.47 36.00 RT	1407+57.42 24.00 LT	50:1
3	RAMP ACCELERATION	BL US380A WB	1350+17.81 24.00 LT	1353+17.35 36.00 LT	25:1


SEPARATOR (A)
STORAGE (B)
DECELERATION (C)
TAPER (D)
TOTAL LENGTH
MEDIAN

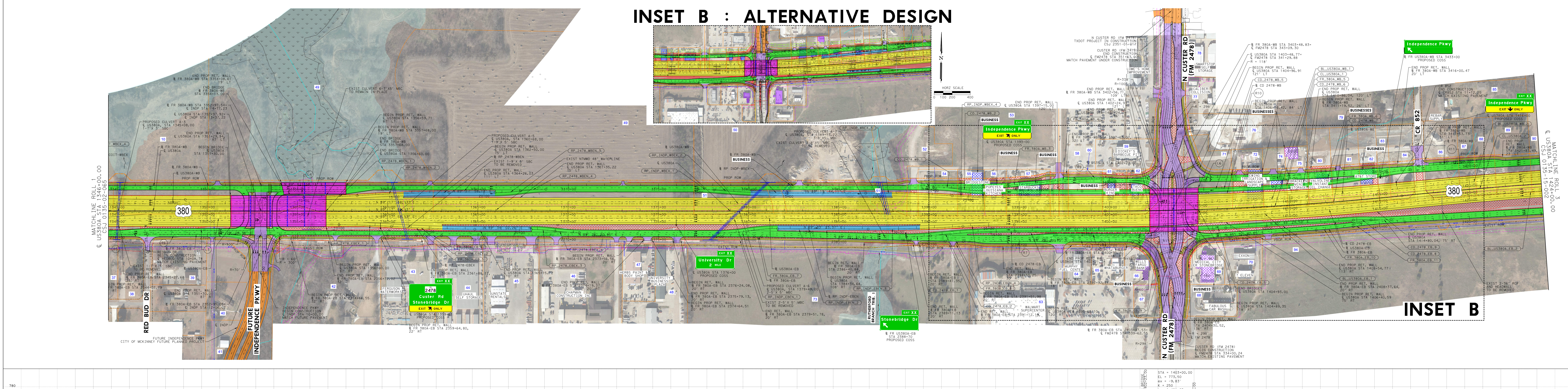
TURN BAY LENGTH

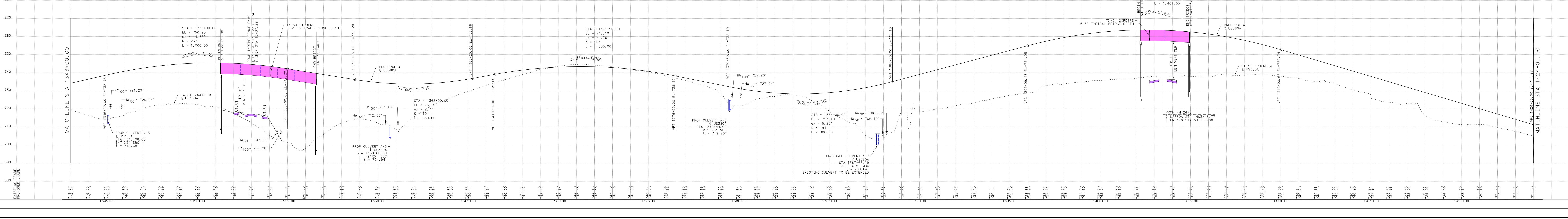
GENERAL NOTES:

1. EXISTING FEATURES WERE PARTIALLY SURVEYED. SCHEMATICS ARE BASED ON PARTIAL FIELD SURVEY (2020-2021), AERIAL SURVEYS DATED DECEMBER 2020, AND RECORD PLANS.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL OF BOTH THE EB AND WB MAINLANES.
4. 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.
5. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE).
6. TRAVEL LANE WIDTHS SHOWN IN THE TYPICAL SECTIONS LESS THAN 10′ WIDE ARE DUE TO TRANSITIONS.
7. LOW SPEED ROADWAYS HAVE A NORMAL CROWN OF ±2% AND HIGH SPEED MAINLANES HAVE A NORMAL CROWN OF ±2.5% UNLESS NOTED OTHERWISE IN THE SUPERLEVATION TABLES.
8. MINOR CROSS STREET CORNER RADII ARE 25′ UNLESS NOTED OTHERWISE ON EACH SCHEMATIC ROLL.
9. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS (2011) WERE DOWNLOADED FROM COLLIN COUNTY'S WEBSITE.
10. PROPERTY LINES SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT (OCTOBER, 2022)
11. CURB RAMPS, SIDEWALKS AND SHARED USE PATHS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS AND SHARED USE PATHS ARE SHOWN ON TYPICAL SECTIONS.
12. EXISTING DRIVEWAY ACCESS WILL REMAIN UNLESS IT IS DETERMINED IN COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
13. BUILDINGS ARE CONSIDERED AS POTENTIAL DIRECT DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. BUILDINGS ARE CONSIDERED AS POTENTIAL INDUCED DISPLACEMENTS IF THE PROPOSED ROW DOES NOT PHYSICALLY INTERSECT THE EXISTING BUILDING STRUCTURE BUT FUNCTIONALLY IMPAIRS ITS OPERATION. ACTUAL DAMAGES TO THE BUILDING AND PROPERTY TO BE DETERMINED DURING THE ROW ACQUISITION PROCESS.
14. CURBS ON THE FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (5.75")UNLESS NOTED OTHERWISE.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. WB-67 DESIGN VEHICLE WAS USED IN EVALUATION OF TURNING MOVEMENTS ON ARTERIAL AND COLLECTOR STREETS. A CITY BUS WAS USED ON SIDE STREETS AND RESIDENTIAL STREETS.
17. TURNAROUNDS WERE DESIGNED TO ACCOMMODATE A WB-67 DESIGN VEHICLE. CORNER RADII VARY PER INTERSECTION DUE TO THE DIFFERENCES IN SKEW.
18. TRAFFIC VOLUMES ON THE TRAFFIC DIAGRAM ARE BASED ON TRAFFIC COUNTS AND GROWTH RATES REVIEWED BY TP&P AND APPOVED BY THE DALLAS DISTRICT ON 11/13/2021.
19. AS PER TMUTCD REQUIREMENTS, A TRAFFIC SIGNAL WARRANT ANALYSIS WILL BE REQUIRED AFTER INTERSECTIONS ARE CONSTRUCTED TO JUSTIFY THE INSTALLATION OF TRAFFIC SIGNALS. SIGNAL LOCATIONS SHOWN SHOULD NOT BE CONSIDERED AS FINAL.
20. WATER FEATURES (E.G. WETLANDS, STREAMS, PONDS, SWALES, ETC.) SHOWN ORIGINATE FROM A COMBINATION OF NATIONAL WETLAND INVENTORY (NWI), PHOTO INTERPRETATION (USING AERIAL PHOTOGRAPHY, SOIL SURVEY AND TOPOGRAPHIC DATA) AND FIELD DELINEATIONS CONDUCTED IN ACCORDANCE WITH APPLICABLE USACE REGULATORY GUIDANCE. ADDITIONAL ANALYSES AND FIELD DELINEATIONS MAY RESULT IN CHANGES TO THE WATER FEATURES DEPICTED.

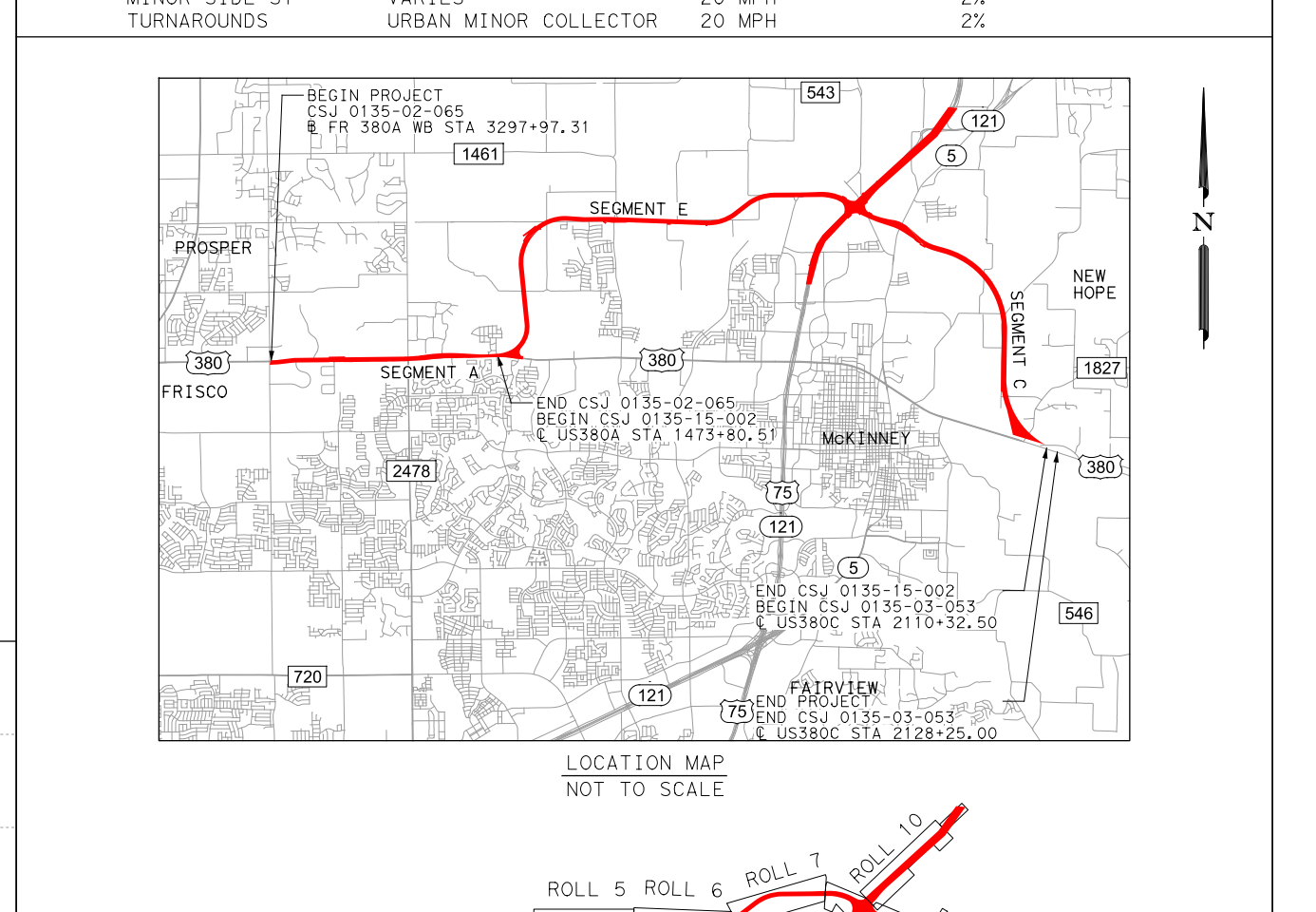
LEGEND:
- EXISTING ROW
- EXISTING PROPERTY LINES
- EXISTING STREAMS
- EXISTING WETLANDS/PONDS
- EXISTING 100 YR FLOODPLAIN
- EXISTING FLOODWAY
- EXISTING DRAINAGE CULVERT
- EXISTING ROADWAY AND UTILITY EASEMENTS
- PROPOSED DRAINAGE CULVERT
- PROPOSED CENTERLINE/BASELINE
- PROPOSED ROW
- PROPOSED ROW (BY OTHERS)
- PROPOSED UTILITY EASEMENT (BY OTHERS)
- PROPOSED TRAFFIC BARRIER
- PROPOSED BRIDGE BENTS
- PROPOSED RETAINING WALL
- EXISTING NOISE BARRIER
- PROPOSED NOISE BARRIER
- ULTIMATE/FUTURE IMPROVEMENTS (BY OTHERS)
- EXISTING LANE DIRECTION OF TRAVEL
- PROPOSED LANE DIRECTION OF TRAVEL
- DIRECTION OF FLOW
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMPS
- PROPOSED FRONTAGE ROADS
- PROPOSED CROSS STREETS AND DRIVEWAYS
- PROPOSED SHARED USE PATH OR SIDEWALK
- PROPOSED TRANSITION/INTERIM PAVEMENT
- PAVEMENT TO BE REMOVED
- PROJECT BY OTHERS
- FUTURE ROADWAY CONNECTION BY OTHERS
- DIRECT BUILDING DISPLACEMENT
- INDUCED BUILDING DISPLACEMENT
- CL_US380A_1 HORIZONTAL ALIGNMENT CURVE NAME
- 120 PARCEL ID NUMBER
- WATER EXISTING WATER
- WWL EXISTING SANITARY SEWER
- GAS EXISTING GAS
- ELEC EXISTING ELECTRIC
- TELE EXISTING COMMUNICATIONS

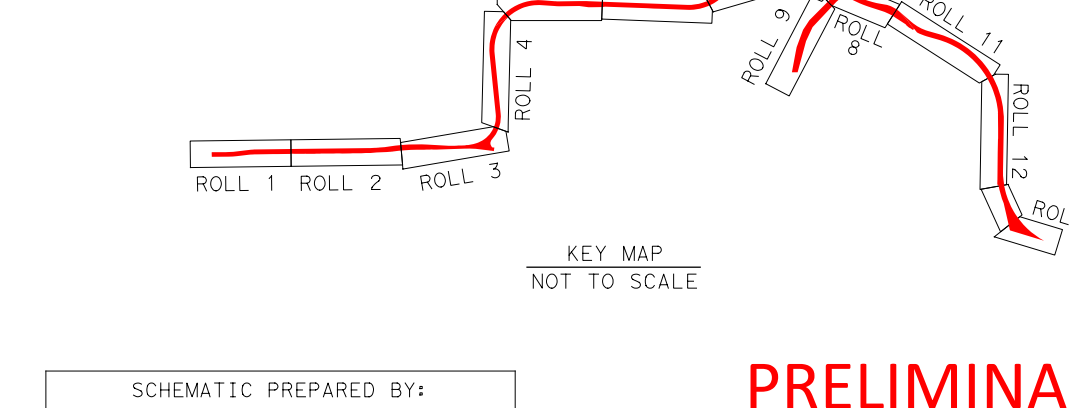
US 380 - SEGMENT A


INSET B : ALTERNATIVE DESIGN
INSET B
HORZ SCALE 0 100 200 400
N
MATCHLINE ROLL 1
℄ US380A STA 1346+00.00
CSJ 0135-02-065
MATCHLINE ROLL 3
℄ US380A STA 1424+00.00
CSJ 0135-15-002
380
RED BUD DR
FUTURE INDEPENDENCE PKWY
FUTURE INDEPENDENCE PKWY
CITY OF MCKINNEY FUTURE PLANNED PROJECT
N CUSTER RD (FM 2478)
CR 852
RUTHERFORD BRANCH TRIB. 1
2478 Custer Rd Stonebridge Dr EXIT ONLY
Independence Pkwy EXIT XX ONLY
University Dr 2 MILE
Stonebridge Dr EXIT XX
Independence Pkwy
BUSINESS
N CUSTER RD (FM 2478) TXDOT PROJECT IN CONSTRUCTION CSJ 2351-01-017
CUSTER RD (FM 2478) END CONSTRUCTION ℄ FM2478 STA 351+63.90 MATCH PAVEMENT UNDER CONSTRUCTION
CUSTER RD (FM 2478) BEGIN CONSTRUCTION ℄ FM2478 STA 334+00.24 MATCH EXISTING PAVEMENT
CR 852 END CONSTRUCTION ℄ CR852 STA 11+12.25 MATCH EXISTING PAVEMENT
EXIST CULVERT 6'X 6' 45° MBC TO REMAIN IN PLACE
PROPOSED CULVERT A-5 ℄ US380A STA 1360+68.00 1-9'X 5' SBC
PROPOSED CULVERT A-6 ℄ US380A STA 1379+49.00 2-5'X 5' MBC
PROPOSED CULVERT A-7 ℄ US380A STA 1387+66.29 3-8'X 5' MBC
EXIST NTMWD 48" WATERLINE
EXIST 2-5'X 5' MBC TO BE REMOVED
EXIST 2-36" RCP AND HEADWALL TO BE REMOVED
BEGIN BRIDGE ℄ US380A STA 1351+30.00
END BRIDGE ℄ US380A STA 1356+00.00
INDEPENDENCE PKWY BEGIN CONSTRUCTION ℄ INDP STA 10+00.00 MATCH FUTURE PAVEMENT
PROP ROW
WAL-MART SUPERCENTER
MURPHY FUEL CENTER
WHATABURGER
WELLS FARGO BANK
MEDICAL CITY ER
7 ELEVEN
EXXON
FABULOUS CAR WASH
DICKEY'S BARBECUE PIT
STARBUCKS
POPEYES LOUISIANA KITCHEN
BRIDGESTONE
BURGER KING
TACO BUENO
LOWE'S HOME IMPROVEMENT
CALIBER COLLISION
SMARTSTOP SELF STORAGE
EWING IRRIGATION & LANDSCAPE SUPPLY
BRACKEEN TRAILER SALES
VALVOLINE INSTANT OIL CHANGE
AT&T STORE
REBAR SUPPLY
HERBS PAINT & BODY SHOP
UNIVERSITY BUSINESS PLAZA
CHAPMAN CONSTRUCTION INC
SUNSTATE RENTALS
UHAUL SELF STORAGE
FERGUSON WATERWORKS



Texas Department of Transportation
DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER
PUBLIC HEARING DESIGN SCHEMATIC
US 380
COLLIN COUNTY, TEXAS
CSJ 0135-02-065
FROM COIT RD TO JCT US 380/UNIV DR
CSJ 0135-15-002
FROM JCT US 380/W UNIVERSITY DR
(W OF MCKINNEY)
TO JCT US 380/E UNIVERSITY DR
(E OF MCKINNEY)
CSJ 0135-03-053
FROM SH5 (NEW EXT OF SP399) TO FM 1827
SEGMENT A LENGTH: 5.47 MILES
SEGMENT E LENGTH: 5.61 MILES
SEGMENT C LENGTH: 4.21 MILES
LOCATION MAP NOT TO SCALE
KEY MAP NOT TO SCALE
SCHEMATIC PREPARED BY: BURNS & McDONNELL FIRM REGISTRATION NUMBER F-845 JOSHUA RYAN ROBERTSON 115996 NAME P.E. NUMBER 1/6/2023 DATE
PRELIMINARY
NOT INTENDED FOR PERMIT, BIDDING, OR CONSTRUCTION PURPOSES AND SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW.
JANUARY 2023
BURNS McDONNELL 13737 NOEL RD SUITE 700 DALLAS, TX. 75240
ROLL 2 OF 13





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Plotted on: 2/17/2023
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