DEVELOPER'S SCHEMATIC
DFW CONNECTOR PROJECT
DALLAS & TARRANT COUNTIES

STATE HIGHWAY 114
FROM BUSINESS 114L TO INTERNATIONAL PARKWAY
AND
STATE HIGHWAY 121
FROM SH 360 TO FM 2499

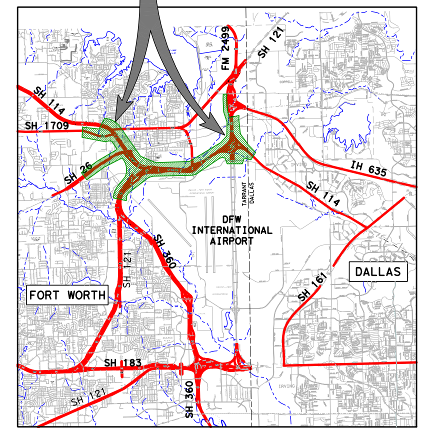
D.2.6
EXHIBIT 2, APPENDIX 3: SCHEMATICS

ROLL 1 OF 4

DESIGN SPEED

FUNCTIONAL CLASSIFICATION, DESIGN SPEED:
MAINLANES-URBAN FREEWAY-70 MPH
COLLECTOR DISTRIBUTOR -URBAN FREEWAY-50 MPH
RAMP-URBAN FREEWAY-50 MPH
FRONTAGE ROADS-COLLECTOR-40 MPH
CROSS STREETS-COLLECTOR-30 MPH
TURNABOUTS, UTURNS-COLLECTOR-20 MPH
FM 2499-URBAN FREEWAY-55 MPH

CONFIGURATION 2 WITH DEFERRALS
BEST AND FINAL OFFER



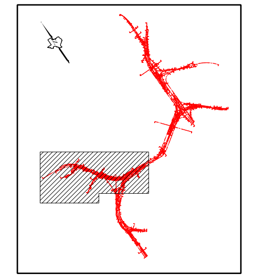
SCALE
0 1 2 3 4 MILE

DALLAS AND TARRANT COUNTIES

NOT FOR CONSTRUCTION OR
PERMIT PURPOSES
PREPARED UNDER THE SUPERVISION OF
JAMES W. LANGSTON, P.E. #73891
MAY 18, 2009

NorthGate Constructors

KEY MAP



PAVEMENT LEGEND

- EXISTING STREETS REMAINING
- PROPOSED FRONTAGE ROADS
- PROPOSED STRUCTURES
- PROPOSED SHOULDER/GORES
- PROPOSED RAMP, DIRECT CONNECTORS COLLECTOR DISTRIBUTORS
- PROPOSED MANAGED LANES
- PROPOSED MAINLANES
- PROPOSED CONSTRUCTION BY OTHERS
- PROPOSED CROSS STREETS/UTURNS
- EXISTING R.O.W.
- PROPOSED R.O.W.
- PROPOSED RETAINING WALL
- ALIGNMENT
- CONTROL OF ACCESS
- DIRECTION OF TRAFFIC, ONE LANE
- BENTS/ABUTMENTS
- DISPLACED BUILDING
- XXX - ## CURVE DATA LABEL

	STREET NAME	LABEL	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION
		MAINLANES											
		SH 114											
	114ML1	MD-1	114ML1-1	11° 31′ 50.18" RT	0° 59′ 59.83"	578.51′	1,153.11′	5,729.84′	S 86° 40′ 04.57" E	S 75° 08′ 14.39" E	303+52.65	297+74.14	309+27.25
		MD-2	114ML1-2	18° 00′ 00.69" RT	1° 30′ 00.00"	604.99′	1,200.01′	3,819.72′	S 75° 08′ 14.39" E	S 57° 08′ 13.70" E	315+32.24	309+27.25	321+27.27
		MD-3	114ML1-3	23° 21′ 24.70" RT	1° 59′ 59.70"	592.17′	1,167.89′	2,864.91′	S 57° 08′ 13.70" E	S 33° 46′ 49.00" E	327+19.43	321+27.27	332+95.16
		MD-4	114ML1-4	51° 24′ 03.00" LT	1° 30′ 00.00"	1,838.34′	3,426.72′	3,819.72′	S 33° 38′ 30.00" E	S 85° 02′ 33.00" E	398+24.38	379+86.04	414+12.76
		MD-5	114ML1-5	3° 21′ 21.00" LT	0° 30′ 00.00"	335.68′	671.17′	11,459.16′	S 85° 02′ 33.00" E	S 88° 23′ 54.00" E	427+90.18	424+54.51	431+25.67
	ME14ME14	ME-1	ME14ME14-1	3° 00′ 00.00" RT	0° 30′ 00.00"	300.07′	600.00′	11,459.16′	S 33° 38′ 30.00" E	S 30° 38′ 30.00" E	4365+50.07	4362+50.00	4368+50.00
		ME-2	ME14ME14-2	29° 03′ 11.22" LT	1° 30′ 00.00"	989.74′	1,936.87′	3,819.72′	S 30° 38′ 30.00" E	S 59° 41′ 41.22" E	4384+58.54	4374+68.80	4394+05.67
		ME-3	ME14ME14-3	32° 42′ 12.78" LT	1° 00′ 00.00"	1,681.07′	3,270.36′	5,729.58′	S 59° 41′ 41.22" E	N 87° 36′ 06.00" E	4410+86.74	4394+05.67	4426+76.03
		ME-4	ME14ME14-4	4° 00′ 00.00" RT	0° 30′ 00.00"	400.16′	800.00′	11,459.16′	N 87° 36′ 06.00" E	S 88° 23′ 54.00" E	4437+70.73	4433+70.57	4441+70.57
	MW14MW14	MH-1	MW14MW14-1	9° 39′ 02.40" LT	1° 30′ 00.00"	322.45′	643.38′	3,819.72′	S 33° 38′ 30.00" E	S 43° 17′ 32.40" E	6381+79.48	6378+57.03	6385+00.41
		MH-2	MW14MW14-2	10° 30′ 59.84" LT	1° 15′ 00.00"	421.85′	841.33′	4,583.66′	S 43° 17′ 32.40" E	S 53° 48′ 32.24" E	6389+22.26	6385+00.41	6393+41.74
		MH-3	MW14MW14-3	32° 35′ 20.76" LT	1° 45′ 00.00"	957.06′	1,862.23′	3,274.04′	S 53° 48′ 32.24" E	S 86° 23′ 53.00" E	6402+98.80	6393+41.74	6412+03.97
		SH 121											
	121ML2	MI-1	121ML2-1	39° 31′ 21.66" RT	1° 15′ 00.00"	1,646.73′	3,161.81′	4,583.66′	N 39° 31′ 46.00" E	N 79° 03′ 07.66" E	7602+46.73	7586+00.00	7617+61.81
		MI-2	121ML2-2	14° 32′ 59.34" RT	1° 45′ 00.00"	417.96′	831.42′	3,274.04′	N 79° 03′ 07.66" E	S 86° 23′ 53.00" E	7621+79.77	7617+61.81	7625+93.23
		MI-3	121ML2-3	3° 28′ 09.35" LT	0° 30′ 00.00"	347.03′	693.85′	11,459.16′	S 86° 23′ 53.00" E	S 89° 52′ 02.35" E	7639+43.47	7635+96.44	7642+90.29
		MI-4	121ML2-4	3° 28′ 09.35" LT	0° 30′ 00.00"	347.03′	693.85′	11,459.16′	S 89° 52′ 02.35" E	S 86° 23′ 53.00" E	7646+37.32	7642+90.29	7649+84.14
6	121ML3	MJ-2	121ML3-2	22° 37′ 17.37" RT	1° 15′ 00.00"	916.80′	1,809.72′	4,583.66′	N 52° 08′ 43.49" E	N 74° 46′ 00.85" E	8598+46.28	8589+29.48	8607+39.20
		MJ-3	121ML3-3	20° 11′ 26.15" RT	1° 45′ 00.00"	582.92′	1,153.75′	3,274.04′	N 74° 46′ 00.85" E	S 85° 02′ 33.00" E	8613+22.12	8607+39.20	8618+92.95
		MJ-4	121ML3-4	2° 44′ 39.51" LT	0° 29′ 51.56"	275.78′	551.45′	11,513.16′	S 85° 02′ 33.00" E	S 87° 47′ 12.51" E	8625+48.34	8622+72.57	8628+24.01
		FRONTAGE ROADS											
		114 EBFR											
	FRE1141	FA-1	FRE1141-1	6° 46′ 58.08" RT	0° 45′ 00.00"	452.72′	904.37′	7,639.44′	S 88° 00′ 29.84" E	S 81° 13′ 31.76" E	2979+86.11	2975+33.39	2984+37.76
		FA-2	FRE1141-2	20° 45′ 48.17" RT	1° 15′ 00.00"	839.75′	1,661.07′	4,583.66′	S 81° 13′ 31.76" E	S 60° 27′ 43.59" E	2992+77.51	2984+37.76	3000+98.83
		FA-3	FRE1141-3	11° 07′ 52.76" RT	2° 00′ 01.55"	279.10′	556.45′	2,864.17′	S 60° 27′ 43.59" E	S 49° 19′ 50.83" E	3003+77.94	3000+98.83	3006+55.28
		FA-4	FRE1141-4	14° 14′ 49.83" RT	4° 00′ 00.00"	179.01′	356.18′	1,432.39′	S 49° 19′ 50.83" E	S 35° 05′ 01.00" E	3008+34.29	3006+55.28	3010+11.46
	FRE1142	FB-4	FRE1142-4	1° 26′ 31.00" RT	1° 15′ 00.00"	57.68′	115.36′	4,583.66′	S 35° 05′ 01.00" E	S 33° 38′ 30.00" E	556+82.18	556+24.50	557+39.85
		FB-5	FRE1142-5	14° 54′ 49.00" RT	3° 00′ 00.00"	249.97′	497.12′	1,909.86′	S 33° 38′ 30.00" E	S 18° 43′ 41.00" E	577+69.32	575+19.35	580+16.47
		FB-6	FRE1142-6	26° 18′ 38.00" LT	4° 00′ 00.00"	334.79′	657.76′	1,432.39′	S 18° 43′ 41.00" E	S 45° 02′ 19.00" E	586+08.79	582+74.00	589+31.77
		FB-7	FRE1142-7	21° 39′ 59.00" LT	1° 45′ 00.00"	626.52′	1,238.08′	3,274.04′	S 45° 02′ 19.00" E	S 66° 42′ 18.00" E	606+30.42	600+03.89	612+41.97
		FB-8	FRE1142-8	23° 38′ 24.00" LT	5° 00′ 00.00"	239.81′	472.80′	1,145.92′	S 66° 42′ 18.00" E	N 89° 39′ 18.00" E	628+74.06	626+34.25	631+07.05
	FRW1141	FC-1	FRW1141-1	10° 53′ 37.09" RT	1° 14′ 59.69"	437.09′	871.55′	4,583.97′	S 83° 10′ 26.11" E	S 72° 16′ 49.02" E	446+55.30	442+18.21	450+89.76
		FC-2	FRW1141-2	31° 27′ 54.82" RT	1° 45′ 00.00"	922.30′	1,798.01′	3,274.04′	S 72° 16′ 49.02" E	S 40° 48′ 54.20" E	460+12.06	450+89.76	468+87.77
		FC-3	FRW1141-3	6° 33′ 35.20" RT	3° 00′ 00.00"	109.45′	218.66′	1,909.86′	S 40° 48′ 54.20" E	S 34° 15′ 19.00" E	474+15.61	473+06.16	475+24.82
	FRW1142	FD-1	FRW1142-1	2° 36′ 10.00" RT	2° 00′ 00.00"	65.08′	130.14′	2,864.79′	S 34° 15′ 19.00" E	S 31° 39′ 09.00" E	483+10.96	482+45.88	483+76.02
		FD-2	FRW1142-2	1° 59′ 21.00" LT	1° 00′ 00.00"	99.47′	198.92′	5,729.58′	S 31° 39′ 09.00" E	S 33° 38′ 30.00" E	497+61.15	496+61.68	498+60.60
		FD-3	FRW1142-3	6° 27′ 06.00" LT	1° 00′ 00.00"	322.92′	645.17′	5,729.58′	S 33° 38′ 30.00" E	S 40° 05′ 36.00" E	507+12.83	503+89.90	510+35.07
		FD-4	FRW1142-4	50° 01′ 42.00" LT	2° 45′ 00.00"	972.17′	1,819.21′	2,083.48′	S 40° 05′ 36.00" E	N 89° 52′ 42.00" E	539+64.84	529+92.67	548+11.88
		FD-5	FRW1142-5	13° 08′ 09.00" RT	4° 00′ 00.00"	164.92′	328.40′	1,432.39′	N 89° 52′ 42.00" E	S 76° 59′ 09.00" E	557+54.47	555+89.55	559+17.95
		FD-6	FRW1142-6	8° 18′ 07.00" LT	3° 30′ 00.00"	118.81′	237.20′	1,637.02′	S 76° 59′ 09.00" E	S 85° 17′ 16.00" E	562+93.76	561+74.95	564+12.15
	FRN360	FI-6	FRN360-6	48° 12′ 57.00" RT	3° 30′ 00.00"	732.55′	1,377.60′	1,637.02′	N 41° 26′ 21.00" E	N 89° 39′ 18.00" E	803+13.48	795+80.94	809+58.53
		FI-7	FRN360-7	12° 02′ 49.00" LT	3° 30′ 00.00"	172.74′	344.20′	1,637.02′	N 89° 39′ 18.00" E	N 77° 36′ 29.00" E	827+63.59	825+90.86	829+35.06
		FI-8	FRN360-8	13° 18′ 57.00" RT	2° 00′ 00.00"	334.40′	665.79′	2,864.79′	N 77° 36′ 29.00" E	S 89° 04′ 34.00" E	835+51.01	832+16.61	838+82.40
		RAMPS / DIRECT CONNECTORS / COLLECTOR DISTRIBUTOR											
	1709FM4	RD-5	1709FM4-5	3° 18′ 14.82" LT	1° 00′ 00.00"	165.25′	330.41′	5,729.58′	S 34° 15′ 19.00" E	S 37° 33′ 33.82" E	732+79.78	731+14.53	734+44.94
		RD-6	1709FM4-6	5° 54′ 24.82" RT	2° 00′ 00.00"	147.80′	295.34′	2,864.79′	S 37° 33′ 33.82" E	S 31° 39′ 09.00" E	735+92.75	734+44.94	737+40.29
	REESH26	RG-1	REESH26-1	10° 23′ 26.56" RT	4° 00′ 00.00"	130.24′	259.77′	1,432.39′	S 39° 10′ 15.56" E	S 28° 46′ 49.00" E	1+30.24	0+00.00	2+59.77
		RG-2	REESH26-2	6° 18′ 12.00" LT	2° 00′ 00.00"	157.74′	315.17′	2,864.79′	S 28° 46′ 49.00" E	S 35° 05′ 01.00" E	8+23.27	6+65.53	9+80.69
		RG-3	REESH26-3	4° 00′ 00.00" RT	2° 00′ 00.00"	100.04′	200.00′	2,864.79′	S 35° 05′ 01.00" E	S 31° 05′ 01.00" E	14+40.50	13+40.46	15+40.46
		RG-4	REESH26-4	2° 33′ 29.00" LT	2° 00′ 00.00"	63.96′	127.90′	2,864.79′	S 31° 05′ 01.00" E	S 33° 38′ 30.00" E	19+38.12	18+74.16	20+02.07
7	REETXTR	RH-1	REETXTR-1	2° 41′ 00." RT	1° 00′ 00.00"	239.68′	479.12′	5,729.58′	S 89° 38′ 06.25" E	S 86° 57′ 05.65" E	1+34.20	0+00.00	2+68.35
		RH-2	REETXTR-2	4° 34′ 30.88" LT	0° 57′ 15.00"	410.28′	819.16′	6,000.00	S 86° 57′ 06" E	S 88° 28′ 23" E	5+08.04	2+68.35	7+47.47
		RH-3	REETXTR-3	5° 21′ 06.15" LT	0° 57′ 18"	280.42′	560.43′	6,000	S 89° 29′ 02.74" E	N 85° 59′ 33.00" E	14+33.59	11+53.18	17+13.60
		RH-4	REETXTR-4	2° 54′ 04" LT	1° 25′ 57"	101.29′	202.53′	4,000′	N 85° 59′ 33.00" E	S 84° 31′ 59.82" E	18+14.89	17+13.60	19+16.13
	RENFM17	RI-1	RENFM17-1	4° 00′ 00.00" LT	2° 00′ 00.00"	100.04′	200.00′	2,864.79′	S 45° 02′ 19.00" E	S 49° 02′ 19.00" E	1+00.04	0+00.00	2+00.00
		RI-2	RENFM17-2	20° 39′ 51.00" LT	2° 00′ 00.00"	522.28′	1,033.21′	2,864.79′	S 49° 02′ 19.00" E	S 69° 42′ 10.00" E	13+25.51	8+03.23	18+36.44
	RSNMAIN	RO-1	RSNMAIN-1	13° 05′ 32.28" RT	2° 30′ 00.00"	262.99′	523.69′	2,291.83′	N 64° 33′ 23.00" E	N 77° 38′ 55.28" E	2+62.99	0+00.00	5+23.69
		RO-2	RSNMAIN-2	20° 21′ 55.72" RT	5° 00′ 00.00"	205.83′	407.31′	1,145.92′	N 77° 38′ 55.28" E	S 81° 59′ 09.00" E	7+29.52	5+23.69	9+31.00
		RO-3	RSNMAIN-3	1° 48′ 07.67" RT	1° 30′ 00.00"	60.08′	120.14′	3,819.72′	S 81° 59′ 09.00" E	S 80° 11′ 01.33" E	13+76.33	13+16.26	14+36.40
8	RSNTXTR	RQ-1	RSNTXTR-1	1° 01′ 05.66" RT	0° 15′ 00.00"	203.65′	407.30′	22,918.31′	N 62° 09′ 29.25" E	N 63° 10′ 34.91" E	2+03.65	0+00.00	4+07.30
		RQ-2	RSNTXTR-2	1° 22′ 48.09" RT	1° 15′ 00.00"	55.20′	110.40′	4,583.66′	N 63° 10′ 34.91" E	N 64° 33′ 23.00" E	4+62.50	4+07.30	5+17.70
		RQ-3	RSNTXTR-3	37° 41′ 23.00" RT	3° 30′ 00.00"	558.72′	1076.85′	1,637.02′	N 64° 33′ 23.00" E	S 77° 45′ 14.00" E	18+37.90	12+79.18	23+56.03
		RQ-4	RSNTXTR-4	14° 24′ 30" LT	0° 52′ 53"	821.62′	1,634.53′	6,500′		S 89° 17′ 16.00" E	31+77.65	23.56.03′	39+90.60
		RQ-5	RSNTXTR-5	6° 52′ 27" RT	2° 00′ 00.00"	172.06′	343.71′	2,864.79′	S 89° 17′ 16.00" E	S 85° 17′ 16.00" E	41+62.66	39+90.60	43+34.31
	RWEFM17	RR-1	RWEFM17-1	2° 06′ 22.17" RT	1° 00′ 00.00"	105.32′	210.62′	5,729.58′	S 36° 30′ 36.17" E	S 34° 24′ 14.00" E	1+05.32	0+00.00	2+10.62
		RR-2	RWEFM17-2	1° 41′ 22.00" LT	1° 00′ 00.00"	84.48′	168.94′	5,729.58′	S 34° 24′ 14.00" E	S 36° 05′ 36.00" E	2+95.09	2+10.62	3+79.56
		RR-3	RWEFM17-3	2° 27′ 06.00" RT	2° 00′ 00.00"	61.30′	122.58′	2,864.79′	S 36° 05′ 36.00" E	S 33° 38′ 30.00" E	9+36.83	8+75.53	9+98.11
		RR-4	RWEFM17-4	11° 03′ 00.46" LT	2° 00′ 00.00"	277.11′	552.51′	2,864.79′	S 33° 38′ 30.00" E	S 44° 41′ 30.46" E	18+04.18	15+27.06	20+79.57
	RWEKIM	RS-1	RWEKIM-1	11° 12′ 06.94" RT	2° 45′ 00.00"	204.32′	407.34′	2,083.48′	S 67° 06′ 05.67" E	S 55° 53′ 58.73" E	2+04.32	0+00.00	4+07.34
		RS-2	RWEKIM-2	5° 41′ 38.40" RT	1° 30′ 00.00"	189.96′	379.60′	3,819.72′	S 55° 53′ 58.73" E	S 50° 12′ 20.33" E	5+97.30	4+07.34	7+86.94
		RS-3	RWEKIM-3	6° 48′ 06.84" RT	2° 00′ 00.00"	170.25′	340.09′	2,864.79′	S 50° 12′ 20.33" E	S 43° 24′ 13.49" E	9+57.19	7+86.94	11+27.04
	RWESH26	RU-1	RWESH26-1	5° 00′ 00.00" RT	2° 00′ 00.00"	125.08′	250.00′	2,864.79′	S 40° 05′ 36.00" E	S 35° 05′ 36.00" E	1+25.08	0+00.00	2+50.00
		RU-2	RWESH26-2	24° 43′ 42.86" LT	2° 30′ 00.00"	502.39′	989.14′	2,291.83′	S 35° 05′ 36.00" E	S 59° 49′ 18.86" E	11+46.75	6+44.36	16+33.50
		RU-3	RWESH26-3	2° 52′ 09.68" LT	1° 15′ 00.00"	114.80′	229.55′	4,583.66′	S 59° 49′ 18.86" E	S 62° 41′ 28.54" E	17+48.30	16+33.50	18+63.05
		RU-4	RWESH26-4	10° 57′ 51.54" LT	1° 45′ 00.00"	314.23′	626.53′	3,274.04′	S 62° 41′ 28.54" E	S 73° 39′ 20.08" E	21+77.28	18+63.05	24+89.58
		RU-5	RWESH26-5	5° 10′ 30.57" LT	3° 45′ 00.00"	69.05′	138.00′	1,527.89′	S 73° 39′ 20.08" E	S 78° 49′ 50.65" E	25+58.63	24+89.58	26+27.59
	RWEWDT	RV-1	RWEWDT-1	10° 53′ 24.10" LT	1° 45′ 00.00"	312.08′	622.29′	3,274.04′	S 69° 59′ 43.90" E	S 80° 53′ 08.00" E	3+12.08	0+00.00	6+22.29
		RV-2	RWEWDT-2	1° 30′ 45.00" LT	1° 00′ 00.00"	75.63′	151.25′	5,729.58′	S 80° 53′ 08.00" E	S 82° 23′ 53.00" E	12+48.09	11+72.46	13+23.71
		RV-3	RWEWDT-3	4° 00′ 00.00" LT	2° 00′ 00.00"	100.04′	200.00′	2,864.79′	S 82° 23′ 53.00" E	S 86° 23′ 53.00" E	18+17.89	17+17.85	19+17.85
	RWNWDT	RW-1	RWNWDT-1	3° 51′ 41.00" LT	1° 00′ 00.00"	193.14′	386.14′	5,729.58′	S 33° 46′ 49.00" E	S 37° 38′ 30.00" E	1+93.14	0+00.00	3+86.14
		RW-2	RWNWDT-2	1° 59′ 21.00" RT	1° 00′ 00.00"	99.47′	198.92′	5,729.58′	S 37° 38′ 30.00" E	S 35° 39′ 09.00" E	6+45.81	5+46.34	7+45.25
		RW-3	RWNWDT-3	4° 00′ 00.00" RT	2° 00′ 00.00"	100.04′	200.00′	2,864.79′	S 35° 39′ 09.00" E	S 31° 39′ 09.00" E	14+32.65	13+32.61	15+32.61

	STREET NAME	LABEL	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION
	R36MAIN	RX-2	R36MAIN-2	16° 41′ 06.56" RT	1° 25′ 56.62"	586.57′	1,164.84′	4,000.00′	N 46° 49′ 50.42" E	N 63° 30′ 56.98" E	5+86.57	0+00.00	11+64.84
		RX-3	R36MAIN-3	30° 08′ 21.02" RT	6° 21′ 58.31"	242.33′	473.43′	900.00′	N 63° 30′ 56.98" E	S 86° 20′ 42.00" E	13+44.07	20+58.73	25+32.16
		RX-4	R36MAIN-4	4° 00′ 00.00" LT	2° 51′ 53.24"	69.84′	139.63′	2,000.00′	S 86° 20′ 42.00" E	N 89° 39′ 18.00" E	30+69.32	29+99.48	31+39.11
	REN121M	RHH-1	REN121M-1	2° 05′ 50.24" LT	1° 30′ 00.00"	69.92′	139.82′	3,819.72′	N 41° 26′ 21.00" E	N 39° 20′ 30.76" E	0+69.92	0+00.00	1+39.82
		RHH-2	REN121M-2	7° 02′ 24.49" RT	3° 30′ 00.00"	100.70′	201.15′	1,637.02′	N 39° 20′ 30.76" E	N 46° 22′ 55.25" E	2+40.52	1+39.82	3+40.97
		RHH-3	REN121M-3	25° 07′ 23.71" RT	4° 46′ 28.73"	267.39′	526.18′	1,200.00′	N 46° 22′ 55.25" E	N 71° 30′ 18.96" E	6+08.35	3+40.97	8+67.15
		RHH-4	REN121M-4	13° 54′ 46.84" RT	2° 02′ 46.60"	341.64′	679.92′	2,800.00′	N 71° 30′ 18.96" E	N 85° 25′ 05.80" E	20+10.66	16+69.02	23+48.94
		RHH-5	REN121M-5	5° 20′ 56.56" RT	1° 04′ 13.98"	250.01′	499.65′	5,352.00′	N 85° 25′ 05.80" E	N 89° 13′ 57.64" E	25+98.95	23+48.94	28+48.59
	DEM14SM36	DM-1	DEM14SM36-1	5° 40′ 00.22" RT	2° 00′ 00.00"	141.78′	283.34′	2,864.79′	S 33° 46′ 49.00" E	S 28° 06′ 48.78" E	3487+41.78	3486+00.00	3488+83.34
		DM-2	DEM14SM36-2	5° 40′ 00.22" LT	1° 00′ 00.00"	283.57′	566.67′	5,729.58′	S 28° 06′ 48.78" E	S 33° 46′ 49.00" E	3491+66.90	3488+83.34	3494+50.01
		DM-3	DEM14SM36-3	32° 23′ 37.00" RT	2° 00′ 00.00"	832.12′	1,619.68′	2,864.79′	S 33° 38′ 30.00" E	S 1° 14′ 53.00" E	3517+48.72	3509+16.59	3525+36.28
10	DEM26EM14	DO-1	DEM26EM14-1	2° 05′ 47.98" RT	2° 00′ 00.00"	52.42′	104.83′	2,864.79′	N 58° 20′ 13.02" E	N 60° 26′ 01.00" E	6371+19.60	6370+67.18	6371+72.01
		DO-2	DEM26EM14-2	2° 05′ 47.98" LT	2° 00′ 00.00"	52.42′	104.83′	2,864.79′	N 60° 26′ 01.00" E	N 58° 20′ 13.02" E	6374+47.59	6373+95.17	6375+00.00
		DO-3	DEM26EM14-3	21° 39′ 56.98" RT	2° 30′ 00.00"	438.55′	866.63′	2,291.83′	N 58° 20′ 13.02" E	N 80° 00′ 10.00" E	6383+78.86	6379+40.31	6388+06.94
		DO-4	DEM26EM14-4	70° 57′ 53.00" RT	6° 30′ 00.00"	628.34′	1,091.76′	881.47′	N 80° 00′ 10.00" E	S 29° 01′ 57.00" E	6396+08.44	6389+80.10	6400+71.87
		DO-5	DEM26EM14-5	19° 14′ 36.30" LT	2° 00′ 00.00"	485.66′	962.17′	2,864.79′	S 29° 01′ 57.00" E	S 48° 16′ 33.30" E	6409+00.16	6404+14.50	6413+76.67
		DO-6	DEM26EM14-6	3° 28′ 48.96" LT	1° 30′ 00.00"	116.04′	232.02′	3,819.72′	S 48° 16′ 33.30" E	S 51° 45′ 22.25" E	6414+92.72	6413+76.67	6416+08.69
		DO-7	DEM26EM14-7	2° 02′ 27.89" LT	0° 30′ 00.00"	204.13′	408.22′	11,459.16′	S 51° 45′ 22.25" E	S 53° 47′ 50.14" E	6418+12.82	6416+08.69	6420+16.91
	36WM14	DR-3	36WM14-3	106° 11′ 13.00" LT	6° 00′ 00.00"	1,271.55′	1,769.78′	954.93′	N 51° 01′ 03.00" E	N 55° 10′ 10.00" W	2613+27.98	2600+56.44	2618+26.22
		DR-4	36WM14-4	17° 31′ 40.00" RT	1° 45′ 00.00"	504.74′	1,001.59′	3,274.04′	N 55° 10′ 10.00" W	N 37° 38′ 30.00" W	2627+06.83	2622+02.09	2632+03.68
		DR-5	36WM14-5	4° 00′ 00.00" RT	1° 00′ 00.00"	200.08′	400.00′	5,729.58′	N 37° 38′ 30.00" W	N 33° 38′ 30.00" W	2643+91.68	2641+91.60	2645+91.60
10	DWM14WM26	DU-1	DWM14WM26-1	2° 05′ 47.98" RT	2° 00′ 00.00"	52.42′	104.83′	2,864.79′	N 58° 20′ 13.02" E	N 60° 26′ 01.00" E	5371+15.58	5370+63.16	5371+67.99
		DU-2	DWM14WM26-2	2° 05′ 47.98" LT	2° 00′ 00.00"	52.42′	104.83′	2,864.79′	N 60° 26′ 01.00" E	N 58° 20′ 13.02" E	5374+43.57	5373+91.15	5374+95.98
		DU-3	DWM14WM26-3	21° 39′ 56.98" RT	2° 27′ 18.03"	446.59′	882.51′	2,333.83′	N 58° 20′ 13.02" E	N 80° 00′ 10.00" E	5383+82.11	5379+35.52	5388+18.04
		DU-4	DWM14WM26-4	43° 10′ 56.95" RT	6° 30′ 00.00"	348.84′	664.35′	881.47′	N 80° 00′ 10.00" E	S 56° 48′ 53.05" E	5396+33.48	5392+84.63	5399+48.98
		DU-5	DWM14WM26-5	22° 38′ 38.05" RT	3° 15′ 00.00"	352.97′	696.74′	1,762.95′	S 56° 48′ 53.05" E	S 34° 10′ 15.00" E	5403+01.95	5399+48.98	5406+45.71
		DU-6	DWM14WM26-6	10° 12′ 37.16" LT	2° 30′ 00.00"	204.75′	408.41′	2,291.83′	S 34° 10′ 15.00" E	S 44° 22′ 52.16" E	5416+88.84	5414+84.09	5418+92.50
		DU-7	DWM14WM26-7	2° 49′ 32.64" LT	1° 15′ 00.00"	113.05′	226.06′	4,583.66′	S 44° 22′ 52.16" E	S 47° 12′ 24.81" E	5420+05.55	5418+92.50	5421+18.56
		DU-8	DWM14WM26-8	9° 40′ 34.78" LT	3° 15′ 00.00"	149.22′	297.73′	1,762.95′	S 47° 12′ 24.81" E	S 56° 52′ 59.59" E	5422+67.78	5421+18.56	5424+16.29
		CROSS STREETS											
	CS1709	CA-1	CS1709-1	34° 02′ 26.81" LT	4° 00′ 00.00"	438.48′	851.02′	1,432.39′	S 71° 20′ 15.19" E	N 74° 37′ 18.00" E	460+91.91	456+53.43	465+04.45
		CA-2	CS1709-2	36° 43′ 17.00" LT	8° 30′ 00.00"	223.72′	432.02′	674.07′	N 74° 37′ 18.00" E	N 37° 54′ 01.00" E	472+21.78	469+98.06	474+30.08
		CA-3	CS1709-3	50° 48′ 15.21" RT	8° 00′ 00.00"	340.11′	635.05′	716.20′	N 37° 54′ 01.00" E	N 88° 42′ 16.21" E	483+30.46	479+90.36	486+25.41
	CS1709E	CAA-1	CS1709E-1	2° 39′ 34.00" RT	3° 54′ 16.53"	34.06′	68.11′	1,467.39′	S 71° 20′ 15.00" E	S 68° 40′ 41.00" E	1452+97.69	1452+63.63	1453+31.74
		CAA-2	CS1709E-2	14° 23′ 14.36" LT	4° 15′ 00.00"	170.16′	338.53′	1,348.14′	S 68° 40′ 41.00" E	S 83° 03′ 55.36" E	1456+86.66	1455+16.50	1458+55.03
		CAA-3	CS1709E-3	22° 26′ 32.64" LT	2° 57′ 02.03"	385.25′	760.61′	1,941.86′	S 83° 03′ 55.36" E	N 74° 29′ 32.00" E	1462+40.27	1458+55.03	1466+15.64
		CAA-4	CS1709E-4	36° 35′ 31.00" LT	6° 45′ 00.00"	280.66′	542.10′	848.83′	N 74° 29′ 32.00" E	N 37° 54′ 01.00" E	1471+57.33	1468+76.67	1474+18.77
	CS1709W	CBB-1	CS1709W-1	34° 10′ 13.00" LT	3° 01′ 42.76"	581.47′	1,128.27′	1,891.86′	S 71° 20′ 15.00" E	N 74° 29′ 32.00" E	540+06.29	534+24.82	545+53.09
		CBB-2	CS1709W-2	36° 35′ 31.00" LT	6° 15′ 00.00"	303.11′	585.47′	916.73′	N 74° 29′ 32.00" E	N 37° 54′ 01.00" E	551+21.86	548+18.75	554+04.22
	CSGATE	CB-1	CSGATE-1	88° 17′ 55.00" RT	23° 00′ 00.00"	241.82′	383.91′	249.11′	N 10° 05′ 53.00" W	N 78° 12′ 02.00" E	13+67.18	11+25.36	15+09.27
		CB-2	CSGATE-2	50° 47′ 41.00" RT	28° 30′ 00.00"	95.45′	178.23′	201.04′	N 78° 12′ 02.00" E	S 51° 00′ 17.00" E	20+31.69	19+36.24	21+14.46
	CSEARNE	CSE-1	CSEARNE-1	6° 31′ 15.36" LT	6° 54′ 26.24"	47.28′	94.41′	830.00′	S 25° 59′ 38.47" E	S 32° 30′ 53.83" E	50+97.82	50+50.54	51+44.94
		CSE-2	CSEARNE-2	42° 33′ 32.24" RT	17° 52′ 55.74"	125.30′	238.00′	321.71′	S 32° 30′ 53.83" E	S 10° 02′ 38.41" W	52+70.24	51+44.94	53+82.94
	CS26WB	CD-1	CS26WB-1	21° 39′ 56.98" RT	2° 30′ 00.00"	438.55′	866.63′	2,291.83′	N 58° 20′ 13.02" E	N 80° 00′ 10.00" E	403+16.74	398+78.18	407+44.81
	CS26EB	CE-1	CS26EB-1	7° 52′ 21.14" RT	3° 00′ 00.00"	131.42′	262.42′	1,909.86′	N 58° 20′ 13.02" E	N 66° 12′ 34.17" E	389+76.18	388+44.76	391+07.18
		CE-2	CS26EB-2	7° 52′ 21.14" LT	3° 00′ 00.00"	131.42′	262.42′	1,909.86′	N 66° 12′ 34.17" E	N 58° 20′ 13.02" E	392+38.60	391+07.18	393+69.60
		CE-3	CS26EB-3	21° 39′ 56.98" RT	2° 00′ 00.00"	548.19′	1,083.29′	2,864.79′	N 58° 20′ 13.02" E	N 80° 00′ 10.00" E	402+43.87	396+95.68	407+78.97
		CE-4	CS26EB-4	7° 28′ 16.00" LT	6° 00′ 00.00"	62.35′	124.52′	954.93′	N 80° 00′ 10.00" E	N 72° 31′ 54.00" E	413+53.56	412+91.21	414+15.73
		CE-5	CS26EB-5	7° 28′ 16.00" RT	6° 00′ 00.00"	62.35′	124.52′	954.93′	N 72° 31′ 54.00" E	N 80° 00′ 10.00" E	419+99.41	419+37.06	420+61.58
	CSRE114	CSR-1	CSRE114-1	3° 13′ 36.74" LT	2° 00′ 30.29"	80.36′	160.67′	2,852.79′	N 74° 29′ 32.00" E	N 71° 15′ 55.26" E	535+62.84	534+82.48	536+43.15
		CSR-2	CSRE114-2	3° 21′ 22.74" RT	2° 00′ 00.00"	83.93′	167.82′	2,864.79′	N 71° 15′ 55.26" E	N 74° 37′ 18.00" E	537+27.08	536+43.15	538+10.96
		CSR-3	CSRE114-3	70° 17′ 41.00" RT	14° 30′ 00.00"	278.20′	484.79′	395.14′	N 74° 37′ 18.00" E	S 35° 05′ 01.00" E	542+76.43	539+98.23	544+83.02
	CSMAIN	CSM-1	CSMAIN-1	1° 11′ 32.93" LT	1° 00′ 00.00"	59.63′	119.25′	5,729.58′	N 0° 42′ 45.07" W	N 1° 54′ 18.00" W	98+58.36	97+98.73	99+17.98
		CSM-2	CSMAIN-2	1° 03′ 06.00" RT	1° 00′ 00.00"	52.58′	105.17′	5,729.58′	N 1° 54′ 18.00" W	N 0° 51′ 12.00" W	101+12.59	100+60.01	101+65.17
	CSINDU	CSI-1	CSINDU-1	36° 05′ 25.79" LT	56° 00′ 00.00"	33.33′	64.45′	102.31′	N 89° 09′ 33.79" E	N 53° 04′ 08.00" E	11+40.43	11+07.10	11+71.55
		U-TURNS / JUGHANDLES											
	JUG26E	CJ-1	JUG26E-1	47° 36′ 08.00" LT	13° 19′ 28.56"	189.66′	357.25′	430.00′	S 9° 59′ 49.00" E	S 57° 35′ 57.00" E	3+90.09	2+00.43	5+57.68
		CJ-2	JUG26E-2	28° 46′ 28.30" RT	28° 38′ 52.40"	51.30′	100.44′	200.00′	S 57° 35′ 57.00" E	S 28° 49′ 28.70" E	8+74.78	8+23.47	9+23.91
	JUG26W	CK-1	JUG26W-1	150° 01′ 05.00" RT	57° 17′ 44.81"	373.44′	261.83′	100.00′	S 10° 06′ 41.00" E	N 40° 05′ 36.00" W	6+43.05	2+69.61	5+31.45
	JUGE26	CL-1	JUGE26-1	17° 11′ 19.44" RT	28° 38′ 52.40"	30.23′	60.00′	200.00′	S 18° 43′ 41.00" E	S 1° 32′ 21.56" E	0+30.23	0+00.00	0+60.00
		CL-2	JUGE26-2	137° 37′ 03.76" RT	57° 17′ 44.81"	257.93′	240.19′	100.00′	S 1° 32′ 21.56" E	N 43° 55′ 17.79" W	3+17.93	0+60.00	3+00.19
		CL-3	JUGE26-3	33° 55′ 28.79" RT	28° 38′ 52.41"	61.00′	118.42′	200.00′	N 43° 55′ 17.79" W	N 9° 59′ 49.00" W	3+61.19	3+00.19	4+18.61
	JUGW26	CM-1	JUGW26-1	29° 58′ 55.00" LT	19° 05′ 54.94"	80.33′	156.99′	300.00′	S 10° 06′ 41.00" E	S 40° 05′ 36.00" E	7+43.47	6+63.14	8+20.12
	UTRN17W	UB-1	UTRN17W-1	93° 53′ 19.85" LT	86° 48′ 42.43"	70.64′	108.15′	66.00′	S 48° 12′ 39.15" E	N 37° 54′ 01.00" E	0+70.64	0+00.00	1+08.15
		UB-2	UTRN17W-2	83° 24′ 38.93" LT	86° 48′ 42.43"	58.82′	96.08′	66.00′	N 37° 54′ 01.00" E	N 45° 30′ 37.93" W	3+05.85	2+47.04	3+43.12
	UTRN17E	UA-1	UTRN17E-1	74° 15′ 50.86" RT	86° 48′ 42.43"	49.97′	85.55′	66.00′	N 36° 21′ 49.86" W	N 37° 54′ 01.00" E	0+49.97	0+00.00	0+85.55
		UA-2	UTRN17E-2	101° 17′ 04.80" RT	86° 48′ 42.43"	80.47′	116.67′	66.00′	N 37° 54′ 01.00" E	S 40° 48′ 54.20" E	3+19.56	2+39.09	3+55.76
	UTRN26W	UC-1	UTRN26W-1	48° 50′ 01.77" RT	57° 17′ 44.81"	45.40′	85.23′	100.00′	S 33° 38′ 30.00" E	S 15° 11′ 31.77" W	0+45.40	0+00.00	0+85.23
		UC-2	UTRN26W-2	48° 50′ 01.77" LT	57° 17′ 44.81"	45.40′	85.23′	100.00′	S 15° 11′ 31.77" W	S 33° 38′ 30.00" E	1+30.63	0+85.23	1+70.46
		UC-3	UTRN26W-3	66° 21′ 20.00" LT	49° 49′ 20.70"	75.19′	133.18′	115.00′	S 33° 38′ 30.00" E	N 80° 00′ 10.00" E	7+06.18	6+30.99	7+64.17
		UC-4	UTRN26W-4	113° 38′ 40.00" LT	49° 49′ 20.70"	175.89′	228.10′	115.00′	N 80° 00′ 10.00" E	N 33° 38′ 30.00" W	11+95.36	10+19.47	12+47.57
		UC-5	UTRN26W-5	4° 00′ 00.00" LT	2° 00′ 00.00"	100.04′	200.00′	2,864.79′	N 33° 38′ 30.00" W	N 37° 38′ 30.00" W	15+92.33	14+92.29	16+92.29
		UC-6	UTRN26W-6	5° 59′ 21.00" RT	2° 00′ 00.00"	149.87′	299.46′	2,864.79′	N 37° 38′ 30.00" W	N 31° 39′ 09.00" W	21+75.52	20+25.65	23+25.11
	UTRNWDW	UO-1	UTRNWDW-1	91° 24′ 01.37" LT	86° 48′ 42.43"	67.63′	105.29′	66.00′	S 53° 35′ 58.63" E	N 35° 00′ 00.00" E	0+67.63	0+00.00	1+05.29
		UO-2	UTRNWDW-2	83° 49′ 00.87" LT	86° 48′ 42.43"	59.24′	96.55′	66.00′	N 35° 00′ 00.00" E	N 48° 49′ 00.87" W	4+48.85	3+89.62	4+86.17
	UTRNWDE	UN-1	UTRNWDE-1	93° 43′ 24.30" RT	86° 48′ 42.43"	70.43′	107.96′	66.00′	N 58° 43′ 24.30" W	N 35° 00′ 00.00" E	0+70.43	0+00.00	1+07.96
		UN-2	UTRNWDE-2	88° 44′ 21.64" RT	86° 48′ 42.43"	64.56′	102.22′	66.00′	N 35° 00′ 00.00" E	S 56° 15′ 38.36" E	4+38.90	3+74.34	4+76.56
	UTRNMSW	UG-1	UTRNMSW-1	90° 30′ 30.00" LT	43° 44′ 14.05"	132.17′	206.94′	131.00′	N 89° 39′ 18.00" E	N 0° 51′ 12.00" W	1+32.17	0+00.00	2+06.94
		UG-2	UTRNMSW-2	82° 46′ 15.21" LT	43° 44′ 14.05"	115.43′	189.25′	131.00′	N 0° 51′ 12.00" W	N 83° 37′ 27.21" W	7+61.50	6+46.06	8+35.31
	UTRNMSE	UF-1	UTRNMSE-1	101° 32′ 19.00" RT	37° 56′ 39.21"	184.94′	267.60′	151.00′	S 77° 36′ 29.00" W	N 0° 51′ 12.00" W	1+84.94	0+00.00	2+67.60
		UF-2	UTRNMSE-2	95° 33′ 56.00" RT	43° 44′ 14.05"	144.39′	218.50′	131.00′	N 0° 51′ 12.00" W	S 85° 17′ 16.00" E	7+83.43	6+39.04	8+57.54

XX GEOMETRIC REFINEMENT ID

ID	PROPOSED DESIGN REFINEMENT
6	MODIFY HORIZONTAL & VERTICAL GEOMETRY OF NB121/EB 114 MAINLANES TO MATCH SH121 TERMINI.
7	MODIFY HORIZONTAL & VERTICAL GEOMETRY OF EXIT RAMP EB SH114 TO TEXAN TRAIL, TO REDUCE LAST SPAN (56′) OF MAIN STREET OVERPASS STRUCTURE AT SOUTH ABUTMENT.
8	MODIFY HORIZONTAL & VERTICAL GEOMETRY OF ENTRANCE RAMP TEXAN TRAIL TO SB121, TO ELIMINATE LAST SPAN OF OVERPASS STRUCTURE (32′) AT NORTH ABUTMENT.
10	RAISE THE PROFILES OF SH26 TO SH114 DIRECT CONNECTORS TO CARRY TRAFFIC OVER SH114 THIS ELIMINATES LARGE DRILLED SHAFT WALLS, DIFFICULT TRENCHING WITH POTENTIAL UTILITY CONFLICTS, IMPROVES CONSTRUCTION SEQUENCING/TRAFFIC CONTROL, AND REDUCES CONSTRUCTION. (ATC 4)

DEVELOPER'S SCHEMATIC
DFW CONNECTOR PROJECT
DALLAS & TARRANT COUNTIES

STATE HIGHWAY 114
FROM BUSINESS 114L TO INTERNATIONAL PARKWAY
AND
STATE HIGHWAY 121
FROM SH 360 TO FM 2499

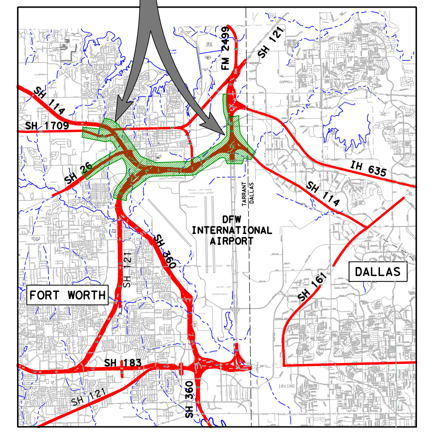
D.2.6
EXHIBIT 2, APPENDIX 3: SCHEMATICS

ROLL 1 OF 4

DESIGN SPEED

FUNCTIONAL CLASSIFICATION, DESIGN SPEED:
MAINLANES-URBAN FREEWAY-70 MPH
COLLECTOR DISTRIBUTOR -URBAN FREEWAY-50 MPH
RAMP-URBAN FREEWAY-50 MPH
FRONTAGE ROADS-COLLECTOR-40 MPH
CROSS STREETS-COLLECTOR-30 MPH
TURNABOUTS, UTURNS-COLLECTOR-20 MPH
FM 2499-URBAN FREEWAY-55 MPH

CONFIGURATION 2 WITH DEFERRALS
BEST AND FINAL OFFER



SCALE
0 1 2 3 4 MILE

DALLAS AND TARRANT COUNTIES

NOT FOR CONSTRUCTION OR
PERMIT PURPOSES
PREPARED UNDER THE SUPERVISION OF
JAMES W. LANGSTON, P.E. #73891
MAY 18, 2009

NorthGate Constructors