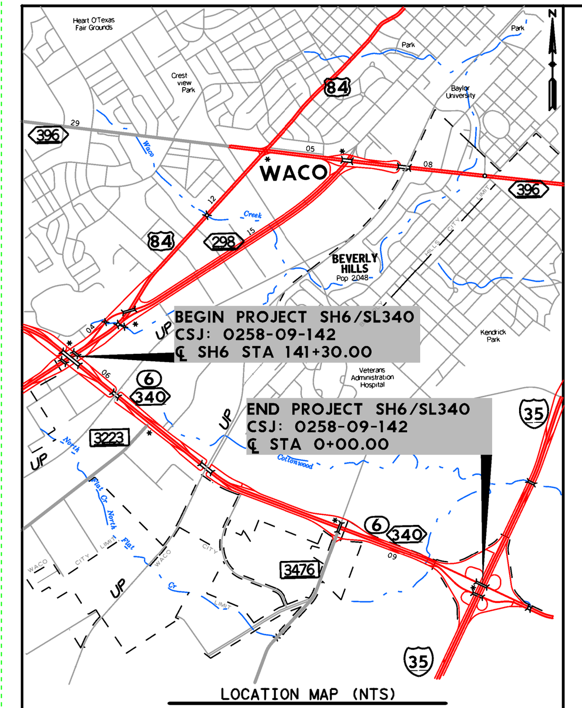


PRELIMINARY
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

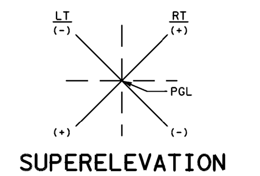
HORIZONTAL ALIGNMENT DATA

Alignment	Curve	PI Station	PI Northing - N	PI Easting - E	Delta	Radius	Degree	Tangent	Length	External	Chord Bearing	Chord Length	Middle Ordinate	PC Station	PT Station
℄ SH6	SH6_3	20+00.95	10523115.3301	3286920.0341	4° 45' 0.34"	11459.16	0° 30' 0.00"	475.28	950.02	9.85	N 67° 12' 58.22" W	949.75	9.84	15+25.67	24+75.69
	SH6_6	80+13.77	10525212.2869	3281284.1314	18° 12' 9.33"	2864.79	2° 0' 0.00"	458.93	910.13	36.53	N 60° 29' 23.72" W	906.31	36.07	75+54.84	84+64.97
℄ PREBN1	PREBN1_1	11+25.08	10527497.4075	3278208.0438	5° 0' 0.00"	2864.79	2° 0' 0.00"	125.08	250.00	2.73	S 53° 53' 19.05" E	249.92	2.73	10+00.00	12+50.00
	PREBN1_4	18+82.19	10527078.2182	3278838.7027	5° 0' 0.00"	5729.58	1° 0' 0.00"	250.16	500.00	5.46	S 53° 53' 19.05" E	499.84	5.45	16+32.03	21+32.03
℄ PREBX1	PREBX1_1	11+50.14	10528557.1959	3277025.2330	6° 0' 0.00"	2864.79	2° 0' 0.00"	150.14	300.00	3.93	S 48° 23' 19.05" E	299.86	3.93	10+00.00	13+00.00
	PREBX1_4	19+49.16	10527995.8572	3277594.2387	6° 58' 48.31"	2864.79	2° 0' 0.00"	174.72	349.00	5.32	S 48° 52' 43.21" E	348.79	5.31	17+74.44	21+23.44
℄ PREBX2	PREBX2_1	11+25.08	10525523.2991	3280807.3569	5° 0' 0.00"	2864.79	2° 0' 0.00"	125.08	250.00	2.73	S 53° 53' 19.05" E	249.92	2.73	10+00.00	12+50.00
	PREBX2_4	16+31.62	10525173.7993	3281174.2219	20° 23' 23.02"	1909.86	3° 0' 0.00"	343.46	679.66	30.64	S 56° 35' 0.56" E	676.08	30.15	12+88.15	19+67.81
℄ PRWBN1	PRWBN1_1	12+12.89	10525011.5897	3282132.1872	8° 30' 0.00"	2864.79	2° 0' 0.00"	212.89	425.00	7.90	N 71° 37' 56.92" W	424.61	7.88	10+00.00	14+25.00
	PRWBN1_4	17+39.73	10525140.2815	3281620.5060	8° 47' 52.95"	2864.79	2° 0' 0.00"	221.02	440.07	12.75	N 69° 16' 52.95" W	439.10	12.66	15+18.71	19+58.78
℄ PRWBN2	PRWBN2_1	11+50.14	10527172.2220	3279051.1041	6° 0' 0.00"	2864.79	2° 0' 0.00"	150.14	300.00	3.93	N 54° 23' 19.05" W	299.86	3.93	10+00.00	13+00.00
	PRWBN2_4	19+34.34	10527595.0055	3278390.3049	6° 0' 0.00"	5729.58	1° 0' 0.00"	300.27	600.00	7.86	N 54° 23' 19.05" W	599.73	7.85	16+34.06	22+34.06
℄ PRWBX1	PRWBX1_1	12+00.18	10525966.2818	3280429.7414	6° 0' 0.00"	3819.72	1° 30' 0.00"	200.18	400.00	5.24	N 48° 23' 19.05" W	399.82	5.23	10+00.00	14+00.00
	PRWBX1_4	20+79.96	10526584.4013	3279803.1793	6° 0' 0.00"	2864.79	2° 0' 0.00"	150.14	300.00	3.93	N 48° 23' 19.05" W	299.86	3.93	19+29.82	22+29.82
℄ EBFR	EBFR_3	21+10.73	10522970.2349	3286680.8845	4° 21' 4.94"	7639.44	0° 45' 0.00"	290.23	580.18	5.51	N 67° 1' 0.52" W	580.04	5.51	18+20.49	24+00.68
	EBFR_6	39+28.83	10523616.1770	3284981.1007	11° 33' 44.41"	1909.86	3° 0' 0.00"	193.36	385.41	9.76	N 74° 58' 25.19" W	384.76	9.71	37+35.46	41+20.88
	EBFR_9	45+03.88	10523708.7766	3284412.2488	26° 34' 18.25"	1312.33	4° 21' 57.45"	309.88	608.61	36.09	N 67° 28' 8.27" W	603.17	35.12	41+94.00	48+02.61
	EBFR_12	52+73.03	10524165.4053	3283779.4802	15° 24' 29.24"	1432.39	4° 0' 0.00"	193.77	385.20	13.05	N 61° 53' 13.77" W	384.04	12.93	50+79.26	54+64.47
	EBFR_15	80+69.08	10525141.2472	3281156.7510	18° 12' 9.33"	3125.22	1° 50' 0.00"	500.65	992.87	39.85	N 60° 29' 23.72" W	988.70	39.35	75+68.43	85+61.30
	EBFR_18	92+47.54	10525881.9094	3280229.3171	3° 0' 0.00"	6875.49	0° 50' 0.00"	180.04	360.00	2.36	N 49° 53' 19.05" W	359.96	2.36	90+67.50	94+27.50
	EBFR_21	97+25.14	10526199.1266	3279872.1697	3° 0' 0.00"	5729.58	1° 0' 0.00"	150.03	300.00	1.96	N 49° 53' 19.05" W	299.97	1.96	95+75.11	98+75.11
	EBFR_24	110+66.24	10527036.0596	3278824.1885	3° 0' 0.00"	5729.58	1° 0' 0.00"	150.03	300.00	1.96	N 49° 53' 19.05" W	299.97	1.96	109+16.20	112+16.20
	EBFR_27	115+24.74	10527303.0810	3278451.3733	3° 0' 0.00"	6875.49	0° 50' 0.00"	180.04	360.00	2.36	N 52° 53' 19.05" W	359.96	2.36	113+44.70	117+04.70
	EBFR_30	125+61.66	10527950.2058	3277641.0640	5° 15' 0.00"	3819.72	1° 30' 0.00"	175.12	350.00	4.01	N 54° 0' 49.05" W	349.88	4.01	123+86.54	127+36.54
	EBFR_33	132+82.72	10528346.8608	3277036.6218	5° 15' 0.00"	6875.49	0° 50' 0.00"	315.22	630.00	7.22	N 54° 0' 49.05" W	629.78	7.21	129+67.50	135+97.50
℄ WBFR	WBFR_3	17+59.80	10523228.8455	3287235.8286	6° 18' 45.19"	7639.44	0° 45' 0.00"	421.26	841.67	11.61	N 67° 50' 50.64" W	841.25	11.59	13+38.54	21+80.22
	WBFR_6	37+29.41	10523865.3643	3285371.0100	11° 45' 3.71"	2864.79	2° 0' 0.00"	294.81	587.55	15.13	N 65° 16' 41.38" W	586.52	15.05	34+34.60	40+22.15
	WBFR_9	45+89.03	10524303.9662	3284629.2965	25° 17' 31.87"	1312.33	4° 21' 57.45"	294.45	579.30	32.63	N 72° 2' 55.46" W	574.61	31.84	42+94.58	48+73.89
	WBFR_12	53+74.56	10524377.4928	3283837.4002	15° 6' 13.01"	1432.39	4° 0' 0.00"	189.90	377.59	12.53	N 67° 8' 34.89" W	376.50	12.42	51+84.76	55+62.36
	WBFR_15	70+38.65	10524958.5211	3282275.8748	8° 0' 0.00"	1909.86	3° 0' 0.00"	133.55	266.67	4.66	N 65° 35' 28.39" W	266.45	4.65	69+05.10	71+71.77
	WBFR_18	74+59.67	10525159.0286	3281905.1799	4° 17' 50.67"	4583.66	1° 15' 0.00"	171.98	343.79	3.23	N 63° 44' 23.72" W	343.71	3.23	72+87.69	76+31.48
	WBFR_21	83+01.99	10525503.1912	3281136.2043	14° 30' 0.00"	2864.79	2° 0' 0.00"	364.45	725.00	23.09	N 58° 38' 19.05" W	723.07	22.90	79+37.54	86+62.54
	WBFR_24	92+02.51	10526067.5829	3280429.4908	2° 15' 0.00"	5729.58	1° 0' 0.00"	112.51	225.00	1.10	N 50° 15' 49.05" W	224.99	1.10	90+90.00	93+15.00
	WBFR_27	95+33.61	10526284.2167	3280179.0610	2° 15' 0.00"	7639.44	0° 45' 0.00"	150.02	300.00	1.47	N 50° 15' 49.05" W	299.98	1.47	93+83.59	96+83.59
	WBFR_30	126+03.20	10528199.7694	3277780.4663	5° 30' 0.00"	3125.22	1° 50' 0.00"	150.12	300.00	3.60	N 48° 38' 19.05" W	299.88	3.60	124+53.08	127+53.08
	WBFR_33	131+76.81	10528599.1929	3277368.4569	5° 30' 0.00"	3819.72	1° 30' 0.00"	183.47	366.67	4.40	N 48° 38' 19.05" W	366.53	4.40	129+93.33	133+60.00
℄ UTRNEB1	UTRNEB1_1	10+66.34	10528322.8880	3277063.1009	4° 36' 18.21"	1650.00	3° 28' 20.90"	66.34	132.62	1.33	S 51° 26' 28.16" E	132.58	1.33	10+00.00	11+32.62
	UTRNEB1_4	13+14.80	10528160.2953	3277251.0590	7° 30' 0.00"	2300.00	2° 29' 28.04"	150.75	301.07	4.94	S 52° 53' 19.05" E	300.85	4.92	11+64.05	14+65.12
	UTRNEB1_7	17+53.85	10527918.6156	3277618.1238	5° 15' 0.00"	3800.00	1° 30' 28.04"	174.22	348.19	3.99	S 54° 0' 49.05" E	348.07	3.99	15+79.63	19+27.82
	UTRNEB1_10	20+96.13	10527704.8662	3277885.7740	95° 24' 40.98"	120.00	47° 44' 47.34"	131.90	199.83	58.32	N 80° 54' 20.46" E	177.53	39.25	19+64.23	21+64.06
	UTRNEB1_13	23+93.77	10528081.1179	3277792.7792	84° 35' 19.02"	120.00	47° 44' 47.34"	109.17	177.16	42.23	N 9° 5' 39.55" W	161.51	31.24	22+84.60	24+61.76
	UTRNEB1_16	26+98.16	10528223.0970	3277813.7527	5° 15' 0.00"	3040.00	1° 53' 5.03"	139.37	278.55	3.19	N 48° 45' 49.05" W	278.46	3.19	25+58.78	28+37.34
	UTRNEB1_19	29+30.51	10528384.2317	3277646.0829	5° 0' 0.00"	1650.00	3° 28' 20.90"	72.04	143.99	1.57	N 48° 38' 19.05" W	143.94	1.57	28+58.47	30+02.46
	UTRNEB1_22	30+87.61	10528482.8625	3277523.6797	4° 25' 54.26"	1650.00	3° 28' 20.90"	63.84	127.63	1.23	N 48° 55' 21.92" W	127.59	1.23	30+23.77	31+51.39
℄ UTRNEB2	UTRNEB2_1	10+86.47	10526289.9797	3279719.9468	6° 0' 0.00"	1650.00	3° 28' 20.90"	86.47	172.79	2.26	S 48° 23' 19.05" E	172.71	2.26	10+00.00	11+72.79
	UTRNEB2_4	15+26.39	10525980.9200	3280033.2278	6° 0' 0.00"	2300.00	2° 29' 28.04"	120.54	240.86	3.16	S 48° 23' 19.05" E	240.75	3.15	14+05.85	16+46.70
	UTRNEB2_7	21+81.12	10525572.2074	3280545.0048	102° 20' 56.71"	120.00	47° 44' 47.34"	149.11	214.36	71.40	N 77° 26' 12.59" E	186.97	44.77	20+32.00	22+46.36
	UTRNEB2_10	24+62.22	10525899.5098	3280706.4998	75° 39' 3.29"	120.00	47° 44' 47.34"	93.17	158.44	31.92	N 11° 33' 47.41" W	147.18	25.21	23+69.06	25+27.50
	UTRNEB2_13	30+00.82	10526268.2529	3280276.4635	7° 30' 0.00"	1650.00	3° 28' 20.90"	108.15	215.98	3.54	N 53° 8' 19.05" W	215.83	3.53	28+92.68	31+08.66
	UTRNEB2_16	32+54.07	10526406.7593	3280064.0764	5° 30' 0.00"	1650.00	3° 28' 20.90"	79.26	158.39	1.90	N 54° 8' 19.05" W	158.33	1.90	31+74.81	33+33.20
℄ UTRNEB3	UTRNEB3_1	11+04.67	10523776.4692	3284426.1686	97° 22' 16.34"	92.00	62° 16' 40.88"	104.67	156.35	47.35	N 69° 7' 3.59" E	138.20	31.26	10+00.00	11+56.35
	UTRNEB3_4	15+77.72	10524269.4170	3284609.8083	97° 58' 45.67"	102.00	56° 10' 20.40"	117.29	174.43	53.44	N 28° 33' 27.42" W	153.94	35.07	14+60.43	16+34.86
℄ UTRNWB1	UTRNWB1_1	10+79.26	10527214.5450	3279052.5926	5° 30' 0.00"	1650.00	3° 28' 20.90"	79.26	158.39	1.90	N 48° 38' 19.05" W	158.33	1.90	10+00.00	11+58.39
	UTRNWB1_4	12+77.37	10527352.5277	3278910.2621	5° 30' 0.00"	1650.00	3° 28' 20.90"	79.26	158.39	1.90	N 48° 38' 19.05" W	158.33	1.90	11+98.11	13+56.50
	UTRNWB1_7	22+55.79	10527963.1730	3278145.6312	95° 24' 40.98"	120.00	47° 44' 47.34"	131.90	199.83	58.32	S 80° 54' 20.46" W	177.53	39.25	21+23.89	23+23.72
	UTRNWB1_10	25+57.44	10527657.2273	3277945.4260	84° 35' 19.02"	120.00	47° 44' 47.34"	109.17	177.16	42.23	S 9° 5' 39.54" E	161.51	31.24	24+48.27	26+25.43
	UTRNWB1_13	31+11.68	10527285.6631	3278410.6869	6° 30' 0.00"	1650.00	3° 28' 20.90"	93.69	187.19	2.66	S 54° 38' 19.05" E	187.09	2.65	30+17.99	32+05.18
	UTRNWB1_16	33+38.38	10527165.0539	3278602.8697	3° 30' 0.00"	1650.00	3° 28' 20.90"	50.41	100.79	0.77	S 56° 8' 19.05" E	100.78	0.77	32+87.97	33+88.76
℄ UTRNWB2	UTRNWB2_1	11+16.59	10525372.5726	3281457.4254	10° 15' 0.00"	1300.00	4° 24' 26.52"	116.59	232.57	5.22	N 60° 45' 49.05" W	232.26	5.20	10+00.00	12+32.57
	UTRNWB2_4	16+47.46	10525672.5529	3281018.6810	4° 15' 0.00"	2300.00	2° 29' 28.04"	85.34	170.61	1.58	N 53° 30' 49.05" W	170.57	1.58	15+62.12	17+32.73
	UTRNWB2_7	19+46.38	10525859.1362	3280785.0472	98° 4' 18.70"	120.00	47° 44' 47.34"	138.22	205.40	63.04	S 79° 34' 31.60" W	181.23	41.33	18+08.16	20+13.56
	UTRNWB2_10	22+53.09	10525533.7947	3280593.1040	81° 55' 41.30"	120.00	47° 44' 47.34"	104.18	171.59	38.92	S 10° 25' 28.40" E	157.34	29.39	21+48.90	23+20.49
	UTRNWB2_13	26+62.87	10525255.1250	3280942.0454	12° 49' 42.87"	1500.00	3° 49' 10.99"	168.63	335.85	9.45	S 57° 48' 10.49" E	335.15	9.39	24+94.24	28+30.09
℄ UTRNWB3	UTRNWB3_1	11+08.03	10524187.6572	3284751.1591	99° 9' 44.31"	92.00	62° 16' 40.88"	108.03	159.23	49.89	S 70° 0' 47.57" W	140.08	32.35	10+00.00	11+59.23
	UTRNWB3_4	15+72.79	10523698.8762	3284569.0717	99° 45' 20.46"	102.00	56° 10' 20.40"	121.03	177.59	56.28	S 29° 26' 44.81" E	155.99	36.27	14+51.76	16+29.35
℄ UTRNSB1	UTRNSB1_3	14+09.37	10529153.3680	3276768.8718	107° 58' 52.03"	102.00	56° 10' 20.40"	140.34	192.23	71.49	S 2° 35' 24.77" W	165.02	42.03	12+69.03	14+61.26
	UTRNSB1_6	16+83.05	10528927.4419	3277051.8881	76° 12' 29.28"	102.00	56° 10' 20.40"	79.99	135.67	27.62	S 89° 30' 15.89" E	125.89	21.74	16+03.06	17+38.73
℄ BEVC	BEVC_3	18+92.43	10525825.4666	3280827.2072	81° 21' 22.09"	110.00	52° 5' 13.46"	94.54	156.19	35.05	N 10° 42' 38.01" W	143.40	26.58	17+97.88	19+54.08
℄ BEVDR	BEVDR_3	14+94.93	10525954.0602	3280882.8844	4° 34' 19.21"	800.00	7° 9' 43.10"	31.94	63.84	0.64	S 32° 15' 12.64" W	63.82	0.64	14+63.00	15+26.83
	BEVDR_6	17+24.71	10525764.7523	3280752.5844	4° 0' 0.00"	1100.00	5° 12' 31.35"	38.41	76.79	0.67	S 32° 32' 22.25" W	76.78	0.67	16+86.30	17+63.10

SUPERELEVATION TABLE

DESCRIPTION	ALIGNMENT	BEGIN TRANSITION STA	BEGIN TRANSITION e (LT)/(RT)	END TRANSITION STA	END TRANSITION e (LT)/(RT)	LENGTH FT
TRANSITION	PRWBN1	12+03.53	-2.60%	12+54.00	-2.00%	50.47
NORMAL CROWN		12+54.00	-2.00%	14+51.00	-2.00%	
TRANSITION		14+51.00	-2.00%	15+01.64	-2.38%	50.64
TRANSITION	WBFR	67+85.00	1.19% / -2.00%	69+56.00	-3.92%	171
FULL SUPER		69+56.00	-3.92%	71+45.00	-3.92%	
TRANSITION		71+45.00	-3.92%	73+14.00	2.04%	169
FULL SUPER		73+14.00	2.04%	76+05.00	2.04%	
TRANSITION		76+05.00	2.04%	77+37.00	-2.00%	132
TRANSITION	EBFR	73+00.00	1.40% / -0.02%	73+66.00	2.00% / -2.00%	66
NORMAL CROWN		73+66.00	2.00% / -2.00%	74+40.00	2.00% / -2.00%	
TRANSITION		74+40.00	2.00% / -2.00%	76+00.00	-2.79%	160
TRANSITION	UTRNWB3	10+58.03	-1.29%	11+41.00	2.00%	82.97
NORMAL CROWN		11+41.00	2.00%	14+56.00	2.00%	
TRANSITION		14+56.00	2.00%	15+51.80	-1.81%	95.80
TRANSITION	UTRNEB3	10+58.03	0.74%	10+91.00	2.00%	32.97
NORMAL CROWN		10+91.00	2.00%	14+85.00	2.00%	
TRANSITION		14+85.00	2.00%	15+57.31	-0.91%	72.31

BASED ON RDM 'Table 2-6: Minimum Radii for Design Superelevation Rates, Design Speeds, and emax = 6%'



SUPERELEVATION SIGN DIAGRAM

PRELIMINARY
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DESIGN SPEED:
SH6/SL340 MAINLANES = 70 MPH
RAMPS = 50 MPH
FRONTAGE ROADS = 45 MPH
CROSS STREETS = 30 MPH
TURNAROUNDS = 20 MPH

Texas Department of Transportation
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WACO DISTRICT
DESIGN SCHEMATIC
STANLEY SWIATEK, P.E., DISTRICT ENGINEER

SH6/SL340
FROM US 84 To IH 35

CSJ: 0258-09-142

McLENNAN COUNTY, TEXAS

FUNCTIONAL CLASSIFICATION:
URBAN FREEWAY (SH6/SL340 MAINLANES)
MAJOR COLLECTOR (FRONTAGE ROADS)

LENGTH: 2.676 MILES

PUBLIC HEARING EXHIBIT
OCTOBER 4, 2018

SCALE: 1"=100' H, 1"=10' V ROLL 2 OF 4

PREPARED BY AECOM TECHNICAL SERVICES, INC. TBPE NUMBER F-3580: FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
CHARLES E. BENNETT 68613
NAME P.E. NUMBER

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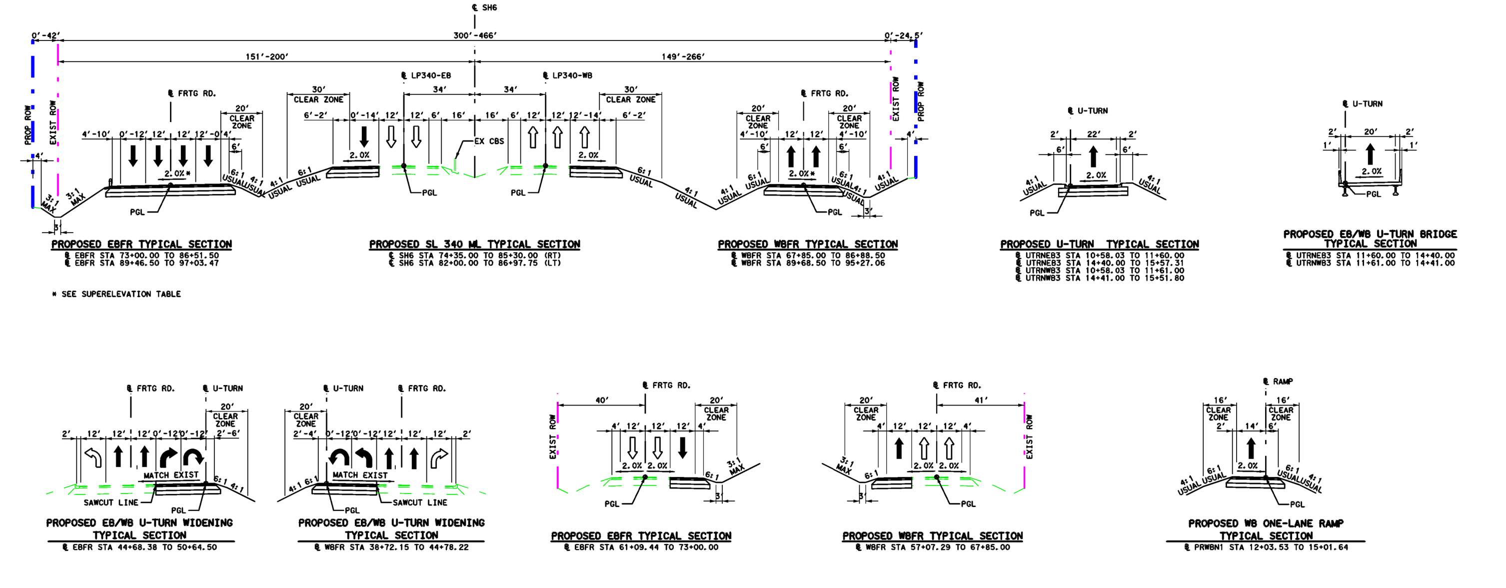
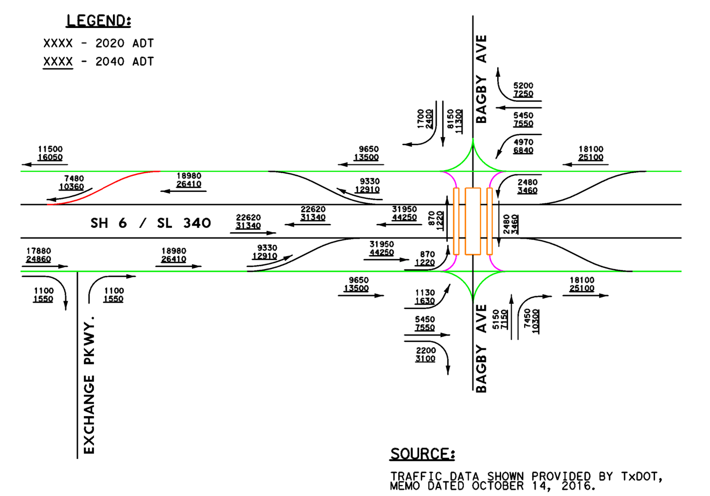
DALLAS, TEXAS 75240
214-741-7777



TYPICAL SECTIONS
N.T.S.



TRAFFIC DIAGRAM
N.T.S.

PRELIMINARY
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DESIGN SPEED:
SH6/SL340 MAINLANES = 70 MPH
RAMPS = 50 MPH
FRONTAGE ROADS = 45 MPH
CROSS STREETS = 30 MPH
TURNAROUNDS = 20 MPH

Texas Department of Transportation
WACO DISTRICT
DESIGN SCHEMATIC
STANLEY SWIATEK, P.E., DISTRICT ENGINEER
SH6/SL340
FROM US 84 To IH 35
CSJ: 0258-09-142
McLENNAN COUNTY, TEXAS
FUNCTIONAL CLASSIFICATION:
URBAN FREEWAY (SH6/SL340 MAINLANES)
MAJOR COLLECTOR (FRONTAGE ROADS)
LENGTH: 2.676 MILES
PUBLIC HEARING EXHIBIT
OCTOBER 4, 2018
SCALE: 1"=100' H, 1"=10' V ROLL 2 OF 4
AECOM
13355 NOEL ROAD
SUITE 400
DALLAS, TEXAS 75240
214-741-7777