

US 380 2045 TDM Performance Metrics

TDM runs using official 2045 demographics, TSZs and centroid connectors - Completed 2/14/2019

Performance by Segment

RED A		RED B		Green A		Green B	
Overall - Denton County Line to Coit Road		Overall - Denton County Line to Coit Road		Overall - Denton County Line to Coit Road		Overall - Denton County Line to Coit Road	
Average Volume	96,026	Average Volume	96,389	Average Volume	81,526	Average Volume	80,847
AM Average Volume	16,603	AM Average Volume	16,717	AM Average Volume	14,107	AM Average Volume	14,086
PM Average Volume	23,494	PM Average Volume	23,627	PM Average Volume	19,869	PM Average Volume	19,781
Daily Congestion Delay	880	Daily Congestion Delay	918	Daily Congestion Delay	1,075	Daily Congestion Delay	1,040
Congestion Delay per Mile	99	Congestion Delay per Mile	103	Congestion Delay per Mile	242	Congestion Delay per Mile	234
Overall - Coit Road to FM 1827		Overall - Coit Road to FM 1827		Overall - Coit Road to FM 1827		Overall - Coit Road to FM 1827	
Average Volume	69,998	Average Volume	67,133	Average Volume	99,260	Average Volume	105,414
AM Average Volume	14,055	AM Average Volume	13,447	AM Average Volume	17,092	AM Average Volume	17,898
PM Average Volume	18,280	PM Average Volume	17,579	PM Average Volume	24,312	PM Average Volume	25,705
Daily Congestion Delay	2,405	Daily Congestion Delay	2,186	Daily Congestion Delay	6,432	Daily Congestion Delay	6,664
Congestion Delay per Mile	78	Congestion Delay per Mile	75	Congestion Delay per Mile	546	Congestion Delay per Mile	566
Overall - FM 1827 to CR 559		Overall - FM 1827 to CR 559		Overall - FM 1827 to CR 559		Overall - FM 1827 to CR 559	
Average Volume	88,007	Average Volume	82,542	Average Volume	72,836	Average Volume	86,460
AM Average Volume	17,568	AM Average Volume	16,685	AM Average Volume	15,760	AM Average Volume	17,055
PM Average Volume	22,960	PM Average Volume	22,267	PM Average Volume	20,630	PM Average Volume	22,258
Daily Congestion Delay	2,718	Daily Congestion Delay	2,586	Daily Congestion Delay	1,333	Daily Congestion Delay	2,223
Congestion Delay per Mile	128	Congestion Delay per Mile	122	Congestion Delay per Mile	150	Congestion Delay per Mile	217
Overall - CR 559 to Hunt County Line		Overall - CR 559 to Hunt County Line		Overall - CR 559 to Hunt County Line		Overall - CR 559 to Hunt County Line	
Average Volume	62,572	Average Volume	62,687	Average Volume	71,070	Average Volume	69,413
AM Average Volume	11,552	AM Average Volume	11,543	AM Average Volume	12,547	AM Average Volume	12,311
PM Average Volume	15,225	PM Average Volume	15,236	PM Average Volume	17,043	PM Average Volume	16,381
Daily Congestion Delay	853	Daily Congestion Delay	856	Daily Congestion Delay	2,298	Daily Congestion Delay	1,620
Congestion Delay per Mile	54	Congestion Delay per Mile	54	Congestion Delay per Mile	279	Congestion Delay per Mile	269
Overall - SPUR 399 Extension		Overall - SPUR 399 Extension		Overall - SPUR 399 Extension		Overall - SPUR 399 Extension	
Average Volume	42,448	Average Volume	37,833	Average Volume	45,273	Average Volume	67,445
AM Average Volume	8,402	AM Average Volume	7,994	AM Average Volume	9,181	AM Average Volume	11,808
PM Average Volume	12,306	PM Average Volume	11,735	PM Average Volume	13,528	PM Average Volume	17,095
Daily Congestion Delay	596	Daily Congestion Delay	581	Daily Congestion Delay	728	Daily Congestion Delay	1,208
Congestion Delay per Mile	55	Congestion Delay per Mile	54	Congestion Delay per Mile	136	Congestion Delay per Mile	321

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Collin County Performance

	MTP	GREEN A	GREEN B	RED A	RED B
Vehicle Miles of Travel (VMT) - All Roadways	41,858,000	42,284,000	42,320,000	42,424,000	42,360,000
Freeway	13,356,000	16,534,000	16,487,000	16,560,000	16,383,000
Others (Arterials, Collectors, and Frontage Rd)	28,502,000	25,750,000	25,833,000	25,864,000	25,977,000
Vehicle Hours of Travel (VHT) - All Roadways	1,419,000	1,378,000	1,378,000	1,367,000	1,367,000
Freeway	325,000	392,000	391,000	379,000	377,000
Others (Arterials, Collectors, and Frontage Rd)	1,094,000	986,000	987,000	988,000	990,000
Vehicle Hours of Congestion Delay - All Roadways	425,000	395,000	394,900	386,400	385,500
Freeway	125,400	139,300	139,100	131,900	131,500
Others (Arterials, Collectors, and Frontage Rd)	299,600	255,700	255,800	254,500	254,000
Congestion Delay per Mile - All Roadways	210	189	188	181	181
Freeway	603	555	552	500	498
Others (Arterials, Collectors, and Frontage Rd)	165	139	139	136	136
Total Delay in Road User Cost - All Roadways	\$9,520,000	\$8,848,000	\$8,845,760	\$8,655,360	\$8,635,200
Freeway	\$2,808,960	\$3,120,320	\$3,115,840	\$2,954,560	\$2,945,600
Others (Arterials, Collectors, and Frontage Rd)	\$6,711,040	\$5,727,680	\$5,729,920	\$5,700,800	\$5,689,600

The table above displays results for the Collin County area. The time period for which the results are shown, is daily.

Regional Performance

	MTP	GREEN A	GREEN B	RED A	RED B
Vehicle Miles of Travel (VMT) - All Roadways	331,496,000	330,944,000	330,938,000	330,955,000	330,935,000
Freeway	163,928,000	166,295,000	166,321,000	166,342,000	166,236,000
Others (Arterials, Collectors, and Frontage Rd)	167,568,000	164,649,000	164,617,000	164,613,000	164,699,000
Vehicle Hours of Travel (VHT) - All Roadways	10,174,000	10,088,000	10,089,000	10,074,000	10,074,000
Freeway	4,007,000	4,042,000	4,042,000	4,029,000	4,028,000
Others (Arterials, Collectors, and Frontage Rd)	6,167,000	6,046,000	6,047,000	6,045,000	6,046,000
Vehicle Hours of Congestion Delay - All Roadways	2,840,400	2,782,600	2,781,700	2,771,200	2,771,400
Freeway	1,467,500	1,456,700	1,455,700	1,447,800	1,448,100
Others (Arterials, Collectors, and Frontage Rd)	1,372,900	1,325,900	1,326,000	1,323,400	1,323,300
Vehicle Hours of Traffic Control Delay of Used Roadway	947,700	934,500	935,400	937,200	937,600
Freeway	21,600	21,700	22,000	23,100	23,200
Others (Arterials, Collectors, and Frontage Rd)	926,100	912,800	913,400	914,100	914,400
Total Delay (Congestion + Traffic Control)	3,788,100	3,717,100	3,717,100	3,708,400	3,709,000
Total Delay in Road User Cost - All Roadways	\$84,853,440	\$83,263,040	\$83,263,040	\$83,068,160	\$83,081,600
Freeway	\$32,872,000	\$32,630,080	\$32,607,680	\$32,430,720	\$32,437,440
Others (Arterials, Collectors, and Frontage Rd)	\$30,752,960	\$29,700,160	\$29,702,400	\$29,644,160	\$29,641,920

The table above displays results for the region. The time period for which the results are shown, is daily.