

12: CTH N (Freedom Rd.) & Moasis Dr. Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Delay (hr)	2.3	0.5	1.4	10.2	1.4	13.6	0.1	0.3	0.1	0.6	0.3	0.0
Total Del/Veh (s)	433.8	312.6	38.4	970.1	836.5	381.6	14.8	2.8	2.3	30.8	2.8	2.7
Speed Delay (hr)	2.3	0.5	1.3	9.0	1.3	8.5	0.1	0.3	0.1	0.6	0.3	0.0
Speed Del/Veh (s)	433.7	312.5	38.3	849.8	794.0	239.0	14.8	2.8	2.3	29.8	2.7	2.3
Total Stops	20	6	125	32	6	139	12	6	10	73	35	3
Travel Dist (mi)	2.9	1.0	20.4	3.7	0.6	17.5	1.9	49.8	14.2	4.7	28.9	2.8
Travel Time (hr)	2.4	0.6	2.2	10.4	1.4	14.3	0.1	2.1	0.7	0.8	1.5	0.2
Avg Speed (mph)	1	2	9	0	0	2	14	24	21	6	20	17
Fuel Used (gal)	0.6	0.1	0.9	2.4	0.3	3.6	0.1	2.1	0.6	0.4	1.6	0.1
HC Emissions (g)	0	0	6	42	0	10	0	27	4	9	46	2
CO Emissions (g)	44	11	181	639	19	350	25	901	184	176	1201	51
NOx Emissions (g)	2	1	20	40	0	26	2	97	17	21	134	6
Vehicles Entered	19	6	126	34	6	120	15	384	110	73	446	43
Vehicles Exited	8	4	124	9	1	98	15	386	109	72	447	43
Hourly Exit Rate	16	8	248	18	2	196	30	772	218	144	894	86
Input Volume	50	6	212	118	11	400	30	800	204	114	888	88
% of Volume	32	133	117	15	18	49	100	96	107	126	101	98
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	15	1	59	0	0	0	0	0	0

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Movement	All
Total Delay (hr)	30.8
Total Del/Veh (s)	79.1
Speed Delay (hr)	24.4
Speed Del/Veh (s)	62.5
Total Stops	467
Travel Dist (mi)	148.4
Travel Time (hr)	36.7
Avg Speed (mph)	5
Fuel Used (gal)	12.8
HC Emissions (g)	145
CO Emissions (g)	3782
NOx Emissions (g)	367
Vehicles Entered	1382
Vehicles Exited	1316
Hourly Exit Rate	2632
Input Volume	2921
% of Volume	90
Denied Entry Before	0
Denied Entry After	75

Queuing and Blocking Report

Baseline

2/1/2013

Intersection: 12: CTH N (Freedom Rd.) & Moasis Dr.

Movement	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	R	LT	R	L	T	TR	L	TR
Maximum Queue (ft)	242	120	134	918	918	50	14	47	166	42
Average Queue (ft)	114	77	82	570	550	18	1	16	75	3
95th Queue (ft)	225	115	118	1119	1127	44	7	45	154	20
Link Distance (ft)	853	853	853	903	903		605	605		318
Upstream Blk Time (%)				36	38					
Queuing Penalty (veh)				0	0					
Storage Bay Dist (ft)						55			145	
Storage Blk Time (%)						0			2	
Queuing Penalty (veh)						1			10	