

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)	0.5	0.3	0.2	1.2	0.5	0.2	0.1	0.2	0.0	0.2	0.1	0.0
Total Del/Veh (s)	207.4	315.7	289.6	366.2	343.0	16.6	15.2	5.9	3.5	19.0	3.7	2.2
Speed Delay (hr)	0.5	0.3	0.2	1.2	0.5	0.2	0.1	0.2	0.0	0.2	0.1	0.0
Speed Del/Veh (s)	207.3	315.6	289.5	366.1	342.9	16.4	15.2	5.9	3.5	18.1	3.6	2.2
Total Stops	9	3	3	11	5	52	14	6	0	33	11	0
Travel Dist (mi)	1.3	0.5	0.5	1.6	0.7	8.9	3.5	19.4	2.4	2.5	8.6	0.6
Travel Time (hr)	0.6	0.3	0.3	1.3	0.5	0.6	0.2	0.7	0.1	0.3	0.4	0.0
Avg Speed (mph)	2	2	2	1	1	14	18	27	25	8	21	18
Fuel Used (gal)	0.2	0.1	0.1	0.3	0.1	0.3	0.2	0.9	0.1	0.1	0.6	0.0
HC Emissions (g)	0	0	0	5	0	2	1	22	1	4	23	0
CO Emissions (g)	15	6	5	83	10	62	88	813	72	94	689	9
NOx Emissions (g)	1	0	0	7	1	8	6	66	4	10	63	1
Vehicles Entered	9	3	3	12	4	52	21	117	14	36	131	8
Vehicles Exited	0	1	1	1	1	51	21	117	14	38	133	8
Hourly Exit Rate	0	6	6	6	6	306	126	702	84	228	798	48
Input Volume	50	10	16	85	16	303	123	659	109	192	691	58
% of Volume	0	60	38	7	38	101	102	107	77	119	115	83
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	1	0	0	0	0	0	0	0	0

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Movement	All
Total Delay (hr)	3.6
Total Del/Veh (s)	30.8
Speed Delay (hr)	3.6
Speed Del/Veh (s)	30.7
Total Stops	147
Travel Dist (mi)	50.5
Travel Time (hr)	5.3
Avg Speed (mph)	9
Fuel Used (gal)	3.1
HC Emissions (g)	59
CO Emissions (g)	1947
NOx Emissions (g)	166
Vehicles Entered	410
Vehicles Exited	386
Hourly Exit Rate	2316
Input Volume	2312
% of Volume	100
Denied Entry Before	0
Denied Entry After	1

Queuing and Blocking Report

Baseline

2/1/2013

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

Movement	EB	EB	WB	WB	NB	NB	NB	SB
Directions Served	L	TR	LT	R	L	T	TR	L
Maximum Queue (ft)	204	94	328	136	66	53	52	129
Average Queue (ft)	98	79	262	113	50	16	10	76
95th Queue (ft)	204	104	391	147	74	52	45	133
Link Distance (ft)	844	844	894	894		825	825	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					55			145
Storage Blk Time (%)					6	2		0
Queuing Penalty (veh)					19	3		0