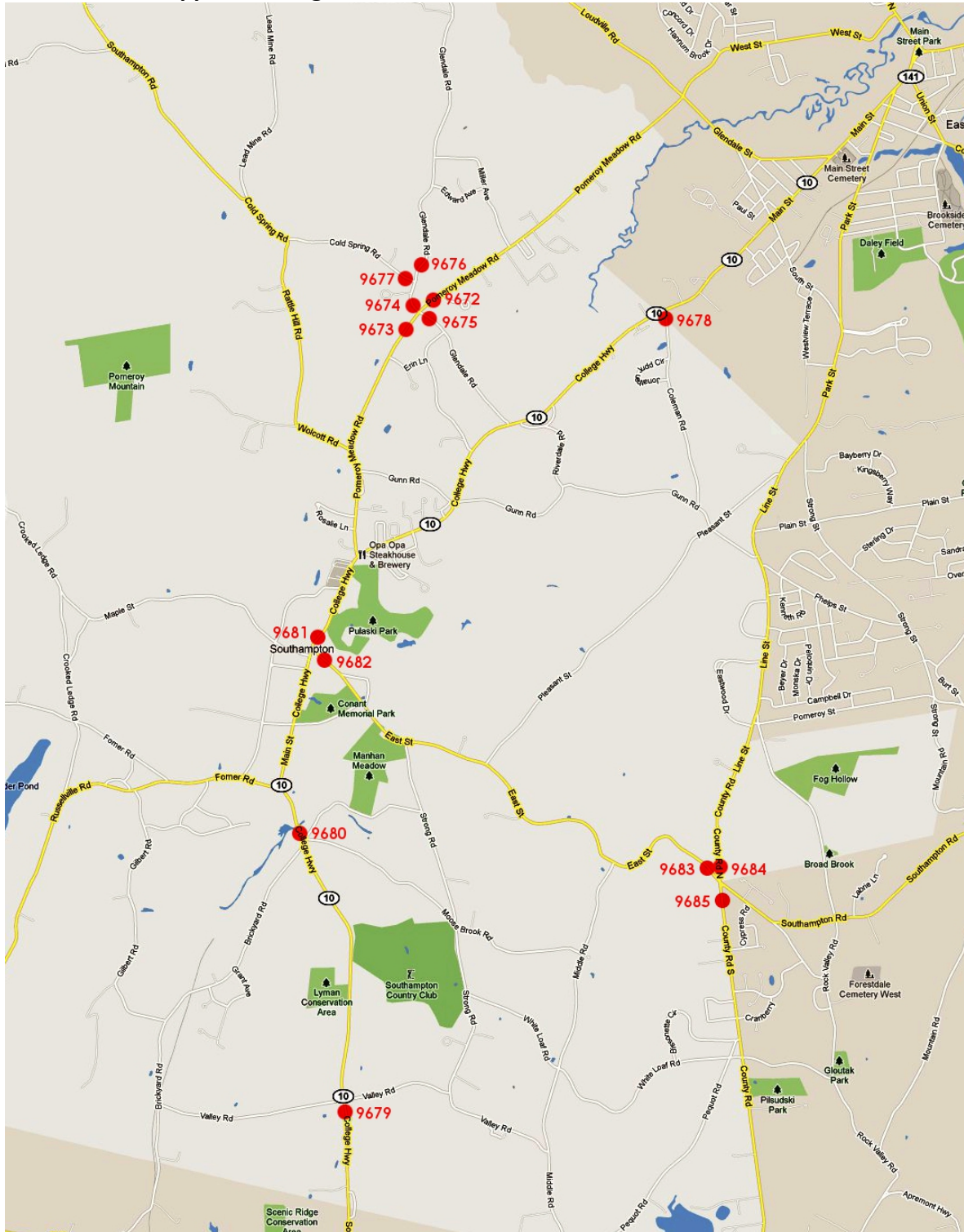


# Appendix 1: Mobility Analysis Data

## Appendix 1 Figure 1: Traffic Count Observation Locations



**Appendix 1 Table 1: Average Annual Daily Traffic at Various Locations.**

Location		Weekdays				
Street Name	Cross Street	Northbound/ Eastbound	Southbound/ Westbound	Percentage NB/EB	Percentage SB/WB	Total
Pomeroy Meadow Road	North of Glendale Road	1028	1066	49.1%	50.9%	2094
Pomeroy Meadow Road	South of Glendale Road	1391	1424	49.4%	50.6%	2815
Glendale Road	West of Pomeroy Meadow Road	927	984	48.5%	51.5%	1911
Glendale Road	East of Pomeroy Meadow Road	461	491	48.4%	51.6%	952
Glendale Road	North of Coldspring Road	483	502	49.0%	51.0%	985
Cold Spring Road	West of Glendale Road	467	483	49.2%	50.8%	950
Coleman Road	South of College Highway	888	939	48.6%	51.4%	1827
College Highway	South of Valley Road	3332	3427	49.3%	50.7%	6759
College Highway	North of Brickyard Road	3716	3716	50.0%	50.0%	7432
College Highway	North of East Street	5204	5000	51.0%	49.0%	10204
East Street	East of College Highway	1059	1102	49.0%	51.0%	2161
East Street	West of County Road	650	732	47.0%	53.0%	1382
County Road	North of East Street	1791	1798	49.9%	50.1%	3589
County Road	South of East Street	1738	1745	49.9%	50.1%	3483

NB= Northbound WB= Westbound SB= Southbound EB=Eastbound Source: PVPC field observations

**Appendix 1 Table 2: College Highway Traffic Volume Growth**

Station 2001	Station 2002	Facility	Location 2002	Location 2010	2002	2010	Growth rate	Annual Growth
8904	9627	College Highway	South of Lynn Drive	South of Glendale	7009	8137	16.09%	2.01%
8915	9628	College Highway	South of Pomeroy Meadow Road	South of Pomeroy Meadow Road	8972	11068	23.36%	2.92%
8916	9629	College Highway	South of Clark Street	South of East Street	7491	8802	17.50%	2.19%
8917	9630	College Highway	At Westfield City Line and South of East Street	South of Brickyard Road	6545	6849	4.64%	0.58%

**Appendix 1 Table 4: Vehicle Classification**

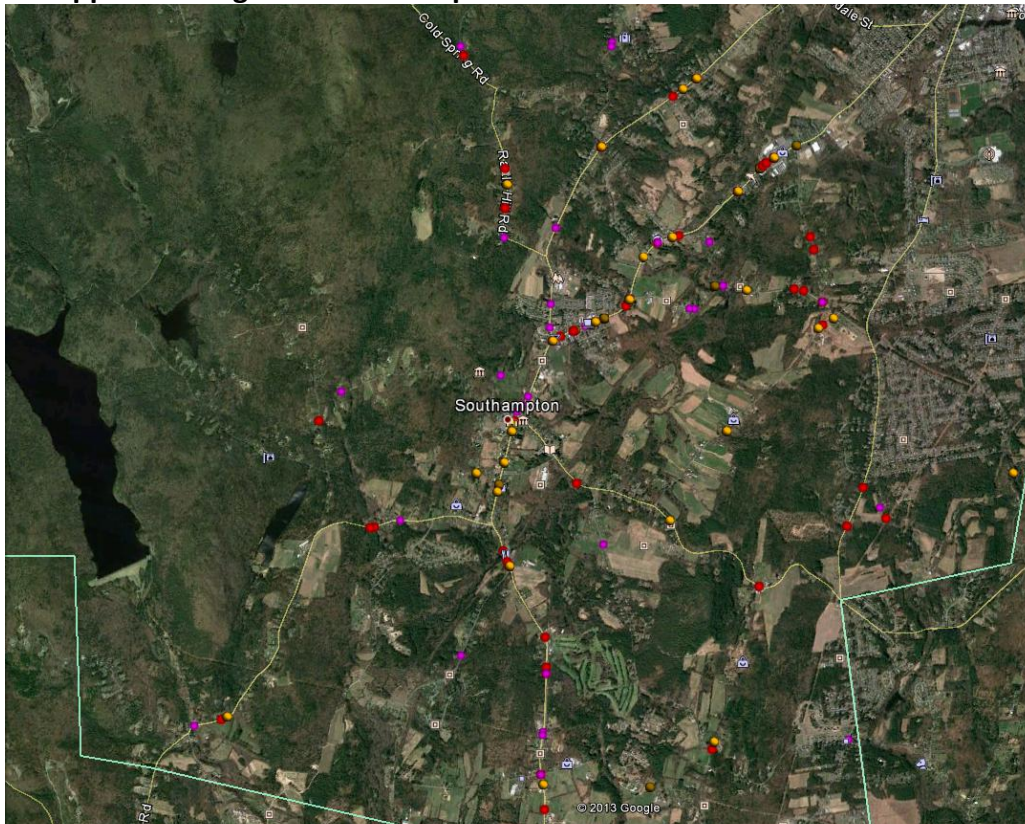
Street Name	Cross Street	Direction	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	> 3 Axle	Total	% Heavy Vehicles
Pomeroy Meadow Road	North of Glendale Road	NB	24	1618	416	3	80	7	5	2153	4.41%
		SB	7	1775	379	1	57	10	7	2236	3.35%
Pomeroy Meadow Road	South of Glendale Road	SB	36	2373	468	4	67	29	14	2991	3.81%
		NB	46	2229	508	5	89	27	10	2914	4.50%
Glendale Road	West of Pomeroy Meadow Road	WB	28	1400	471	5	60	43	12	2019	5.94%
		EB	25	1397	369	9	60	34	10	1904	5.93%
Glendale Road	East of Pomeroy Meadow Road	WB	3	885	125	0	10	2	4	1029	1.55%
		EB	3	781	138	2	19	6	14	963	4.26%
Glendale Road	North of Cold Spring Road	SB	18	716	212	3	32	4	5	990	4.44%
		NB	6	601	235	3	90	16	7	958	12.11%
Cold Spring Road	West of Glendale Road	EB	14	747	168	1	30	24	7	991	6.26%
		WB	2	793	181	2	30	10	2	1020	4.31%
Coleman Road	South of College Highway	NB	14	1335	430	3	69	8	4	1863	4.51%
		SB	27	1686	223	1	19	7	3	1966	1.53%
College Highway	South of Valley Road	NB	104	5096	1484	33	272	36	146	7171	6.79%
		SB	55	5884	1089	16	142	54	127	7367	4.60%
College Highway	North of Brickyard Rd	NB	143	5478	1648	35	269	65	126	7764	6.38%
		SB	95	5543	1650	37	277	51	124	7777	6.29%
College Highway	North of East St	NB	208	7500	2152	47	723	94	134	10858	9.19%
		SB	208	7942	1711	39	299	83	116	10398	5.16%
East Street	East of College Highway	EB	91	1929	156	0	26	10	1	2213	1.67%
		WB	6	1996	294	1	23	5	1	2326	1.29%
East Street	West of County Road	EB	17	1045	213	0	25	2	9	1311	2.75%
		WB	19	1071	312	1	34	2	7	1446	3.04%
County Road	North of East Street	SB	38	3226	416	5	43	16	2	3746	1.76%
		NB	49	3110	505	1	40	13	5	3723	1.58%
County Road	East Street	SB	39	2594	514	7	141	30	45	3370	6.62%
		NB	84	2746	385	5	39	21	38	3318	3.10%

**Appendix 1 Table 5: Crash Data for the Entire Town of Southampton**

Year	Total Crashes	Route 10 Crashes	Type	Severity	Road	Weather				
2007	60	26	Angle	12	Fatal injury	1	Dry	32	Clear	32
			Head-on	0	Non-fatal injury	19	Wet	11	Cloudy	16
			Rear-end	11	Property damage	39	Ice	2	Snow	6
			Sideswipe	2	Unknown	1	Sand, mud, dirt	0	Rain	3
			Single vehicle	32			Slush	4	Fog	1
			Unknown	3			Snow	9	Unknown	2
					Unknown	2				
2008	50	27	Angle	10	Fatal Injury	0	Dry	30	Clear	27
			Head-on	2	Non-fatal injury	17	Wet	11	Cloudy	18
			Rear-end	11	Property damage	29	Ice	4	Snow	0
			Sideswipe	4	Unknown	4	Sand, mud, dirt	0	Rain	5
			Single vehicle	23			Slush	2	Fog	0
			Unknown	0			Snow	2	Unknown	0
					Unknown	1				
2009	53	21	Angle	7	Fatal injury	0	Dry	27	Clear	33
			Head-on	2	Non-fatal injury	12	Wet	8	Cloudy	12
			Rear-end	9	Property damage	39	Ice	3	Snow	5
			Sideswipe	5	Unknown	2	Sand, mud, dirt	0	Rain	3
			Single Vehicle	30			Slush	2	Fog	0
			Unknown	0			Snow	12	Unknown	0
					Unknown	1				
<b>TOTAL</b>	<b>163</b>	<b>74</b>								

Source: MassDOT

**Appendix 1 Figure 1: Southampton Vehicle Crash Locations 2007-2009**



**Appendix 1 Table 6: Daily Trip Generation Estimates by Land Use Type and Size**

Land Use	ITE Code	10,000 SF	20,000 SF	50,000 SF	100,000 SF
Light Industrial	110	70	140	272	645
Manufacturing	140	38	76	173	367
Mini Warehousing	151	25	50	125	250
Health/Fitness Club	492	329	659		
General Office	710	227	386	782	1,334
Shopping Center	820	429	859	2,147	4,294
Supermarket	850	1,022	2,045	5,112	
Pharmacy with Drive Thru	881	882			
Drive In Bank (3,000 SF)	912	739			
Fast Food with Drive Thru (3,000 SF)	934	1,488			
Gas Station with Market	945	162.78 trips per pump			
Single Family Home	210	9.57 trips per unit			
Senior Adult Housing (Detached)	251	3.71 trips per unit			

Source: Trip Generation, 7<sup>th</sup> Edition, ITE

**Appendix 1 Table 3: Traffic Speed Percentages**

Street Name	Cross Street	Direction	Miles Per Hour										85th Percentile	Average Speed	Posted Speed
			1-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	>55			
Pomeroy Meadow Road	North of Glendale Road	NB	1.67%	1.11%	3.76%	12.73%	15.14%	32.37%	26.94%	5.67%	0.56%	0.05%	44	37	40
		SB	1.83%	0.40%	2.46%	9.48%	21.69%	35.55%	23.35%	4.65%	0.49%	0.09%	43	37	40
Pomeroy Meadow Road	South of Glendale Road	SB	1.60%	0.60%	2.31%	7.76%	25.78%	35.44%	21.56%	4.35%	0.53%	0.07%	43	37	40
		NB	2.02%	0.38%	1.27%	2.78%	15.07%	43.07%	29.07%	5.94%	0.38%	0.03%	44	38	40
Glendale Road	West of Pomeroy Meadow Road	WB	2.43%	4.90%	40.61%	46.85%	4.90%	0.25%	0.05%	0.00%	0.00%	0.00%	29	25	30
		EB	4.15%	7.04%	39.81%	43.01%	5.88%	0.11%	0.00%	0.00%	0.00%	0.00%	29	25	30
Glendale Road	East of Pomeroy Meadow Road	WB	2.72%	16.13%	51.21%	27.99%	1.94%	0.00%	0.00%	0.00%	0.00%	0.00%	28	23	no sign WB
		EB	3.63%	14.33%	45.90%	32.50%	3.63%	0.00%	0.00%	0.00%	0.00%	0.00%	29	24	25
Glendale Road	North of Cold Spring Road	SB	1.41%	1.41%	2.93%	19.80%	55.25%	18.59%	0.61%	0.00%	0.00%	0.00%	37	32	30
		NB	2.40%	0.84%	1.46%	12.84%	46.45%	31.42%	4.07%	0.52%	0.00%	0.00%	39	34	30
Cold Spring Road	West of Glendale Road	EB	5.65%	8.07%	33.60%	44.00%	8.58%	0.10%	0.00%	0.00%	0.00%	0.00%	30	25	25
		WB	1.47%	3.33%	34.71%	54.71%	5.59%	0.10%	0.10%	0.00%	0.00%	0.00%	30	26	35
Coleman Road	South of College Highway	NB	10.95%	16.21%	37.09%	31.08%	4.62%	0.05%	0.00%	0.00%	0.00%	0.00%	29	23	25
		SB	9.66%	33.77%	52.29%	4.17%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	24	20	no sign SB
College Highway	South of Valley Road	NB	2.08%	0.14%	0.17%	0.39%	1.78%	6.09%	15.91%	36.27%	28.89%	8.27%	54	48	50
		SB	2.55%	0.05%	0.33%	0.79%	4.37%	7.21%	27.05%	43.84%	12.49%	1.32%	50	45	50
College Highway	North of Brickyard Road	NB	4.77%	0.45%	1.66%	4.75%	8.20%	32.43%	36.55%	10.16%	0.93%	0.09%	45	38	40
		SB	3.72%	0.78%	1.86%	5.45%	15.55%	41.93%	26.10%	4.09%	0.45%	0.06%	44	37	40
College Highway	North of East Street	NB	6.94%	0.06%	0.14%	1.31%	8.49%	45.17%	33.30%	4.09%	0.36%	0.13%	44	37	30
		SB	4.37%	0.15%	0.66%	8.51%	34.37%	39.72%	10.82%	1.30%	0.07%	0.03%	40	35	30
East Street	East of College Highway	EB	28.92%	2.26%	13.96%	37.37%	16.18%	1.27%	0.05%	0.00%	0.00%	0.00%	31	22	30
		WB	15.65%	1.03%	10.83%	38.69%	29.32%	4.04%	0.34%	0.04%	0.04%	0.00%	34	26	30
East Street	West of County Road	EB	1.98%	0.92%	3.89%	25.71%	48.97%	16.70%	1.68%	0.15%	0.00%	0.00%	37	32	25
		WB	1.18%	0.14%	1.73%	15.35%	43.43%	32.99%	4.56%	0.35%	0.21%	0.07%	39	34	30
County Road	North of East Street	SB	1.52%	0.61%	6.70%	35.72%	44.95%	9.77%	0.61%	0.05%	0.03%	0.03%	35	31	40
		NB	1.10%	0.11%	0.81%	10.99%	50.90%	31.99%	3.60%	0.46%	0.03%	0.03%	39	34	35
County Road	East Street	SB	8.19%	0.39%	3.09%	15.93%	46.23%	21.99%	2.79%	0.71%	0.30%	0.39%	38	31	35
		NB	14.41%	0.48%	4.82%	24.32%	38.40%	13.53%	1.78%	0.51%	0.45%	1.30%	36	29	35