

Appendix D

Speed Study Information

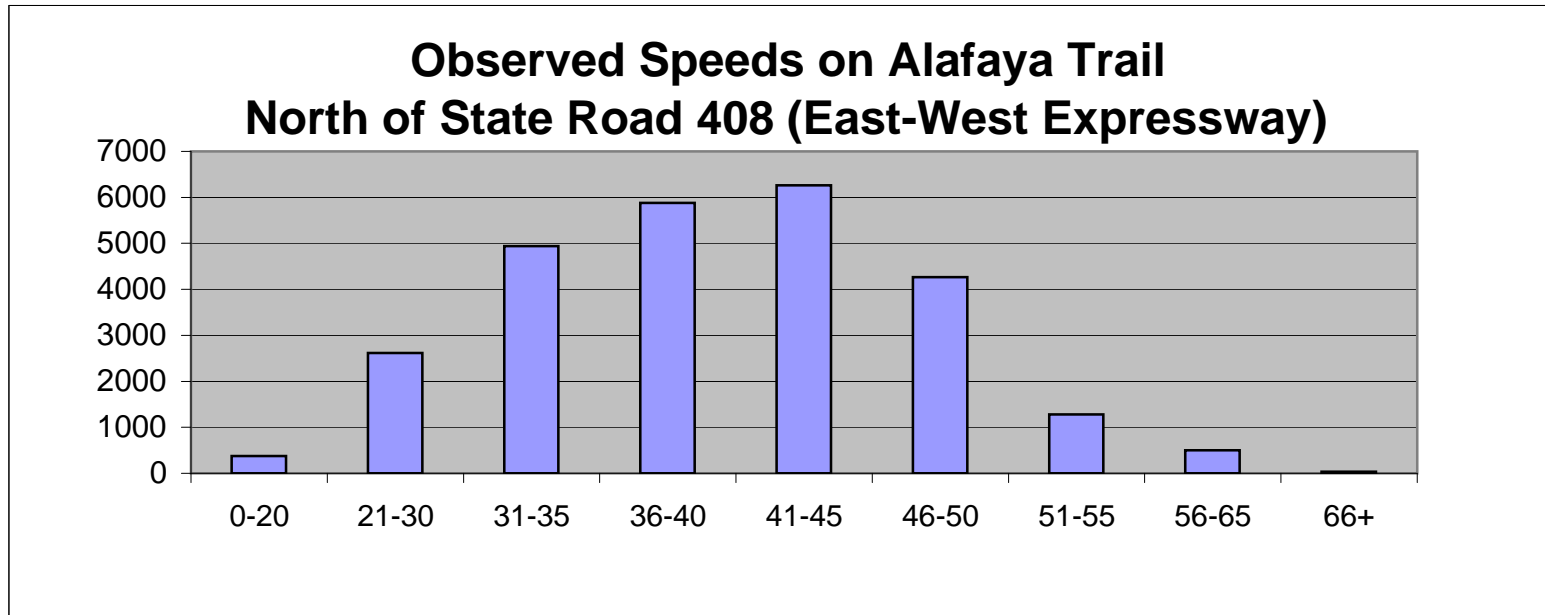
ORANGE COUNTY TRAFFIC ENGINEERING

Alafaya Trail N of SR 408

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	Total		
Alafaya Trail NB	N of SR 408	4/10/2012 Tu	45	47	38.5	20	1,296	3,270	2,933	2,397	1,799	586	198	19	12,518	8-9A	5-6P
Alafaya Trail SB	N of SR 408	4/10/2012 Tu	45	48	39.8	338	1,208	1,507	2,796	3,854	2,388	707	277	16	13,091	8-9A	6-7P
Alafaya Trail NB	N of SR 408	4/11/2012 We	45	46.7	38.3	25	1,403	3,335	2,915	2,550	1,866	500	164	12	12,770	8-9A	6-7P
Alafaya Trail SB	N of SR 408	4/11/2012 We	45	48.1	39.9	302	1,199	1,592	3,009	3,827	2,488	753	319	17	13,506	8-9A	4-5P
Alafaya Trail NB	N of SR 408	4/12/2012 Th	45	46.5	38.1	23	1,449	3,535	2,936	2,393	1,763	479	185	11	12,774	8-9A	4-5P
Alafaya Trail SB	N of SR 408	4/12/2012 Th	45	48.2	39.7	421	1,290	1,577	3,042	3,772	2,483	813	359	24	13,781	8-9A	4-5P

Alafaya Trail NB Average
Alafaya Trail SB Average
Total Average
Total Percent

45	46.73	38.30	23	1,383	3,380	2,928	2,447	1,809	522	182	14	12,687	
45	48.10	39.80	354	1,232	1,559	2,949	3,818	2,453	758	318	19	13,459	
45	47.42	39.05	376	2,615	4,939	5,877	6,264	4,262	1,279	501	33	26,147	
				1.4%	10.0%	18.9%	22.5%	24.0%	16.3%	4.9%	1.9%	0.1%	100.00
				0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
8	5	7	112	1184	3270	2933	2397	1799	586	165	33	3	16	12518
111	107	120	339	869	1507	2796	3854	2388	707	233	44	8	8	13091
11	7	7	129	1274	3335	2915	2550	1866	500	139	25	2	10	12770
108	103	91	309	890	1592	3009	3827	2488	753	257	62	5	12	13506
8	7	8	131	1318	3535	2936	2393	1763	479	153	32	0	11	12774
105	152	164	391	899	1577	3042	3772	2483	813	288	71	12	12	13781

Average Data Sample Directional

9	6	7	124	1259	3380	2928	2447	1809	522	152	30	2	12	12687
108	121	125	346	886	1559	2949	3818	2453	758	259	59	8	11	13459

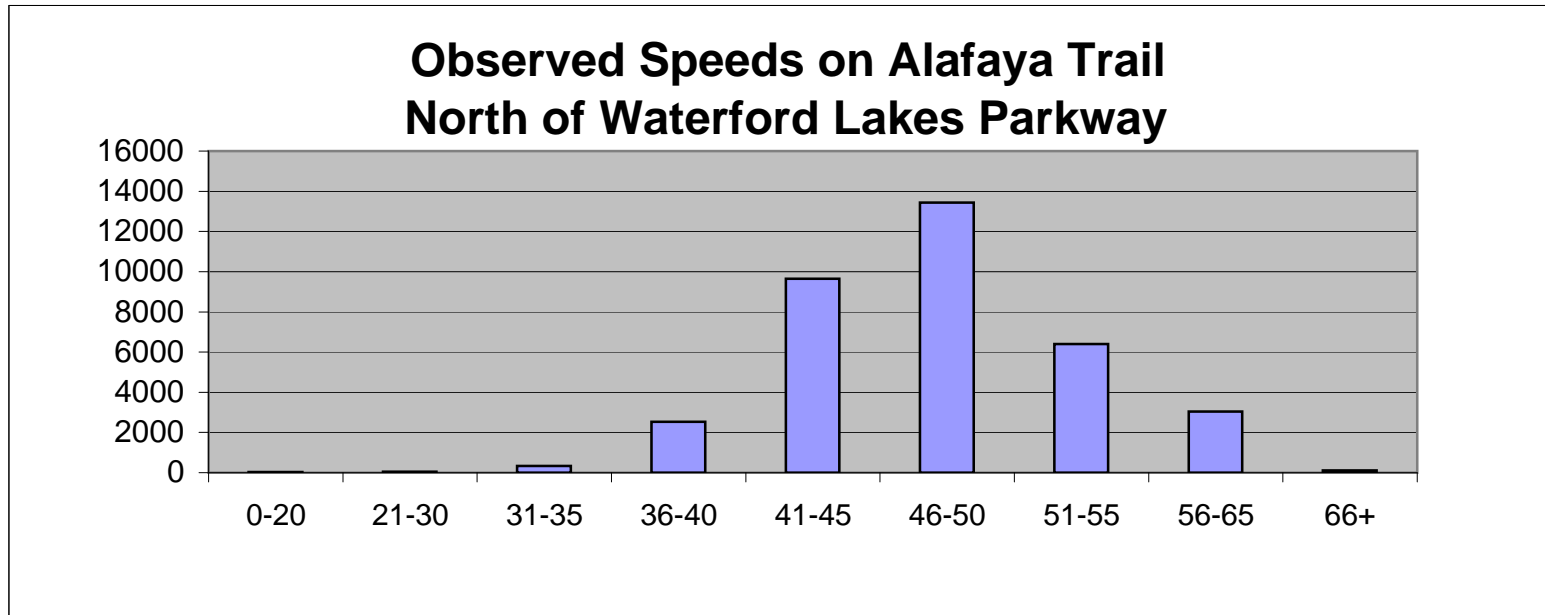
ORANGE COUNTY TRAFFIC ENGINEERING

Alafaya Trail North of Waterford Lakes Parkway

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	Total		
Alafaya Tr NB	N of Waterford Lakes Py	3/27/2012 Tu	45	52.9	46.9	17	33	214	1,372	4,691	6,733	3,063	1,302	50	17,475	8-9A	5-6P
Alafaya Tr SB	N of Waterford Lakes Py	3/27/2012 Tu	45	53.9	47.6	14	15	123	1,048	4,468	6,619	3,200	1,814	88	17,389	11A-12P	4-5P
Alafaya Tr NB	N of Waterford Lakes Py	3/28/2012 We	45	53.2	47.1	19	18	145	1,303	4,768	6,746	3,367	1,466	42	17,874	8-9A	2-3P
Alafaya Tr SB	N of Waterford Lakes Py	3/28/2012 We	45	53.5	47.2	15	24	162	1,194	4,781	6,510	3,156	1,649	67	17,558	11A-12P	5-6P
Alafaya Tr NB	N of Waterford Lakes Py	3/29/2012 Th	45	52.9	46.8	21	18	198	1,414	5,087	6,788	3,189	1,333	39	18,087	8-9A	12-1P
Alafaya Tr SB	N of Waterford Lakes Py	3/29/2012 Th	45	53.2	47.1	8	21	151	1,284	5,170	6,918	3,209	1,567	63	18,391	11A-12P	5-6P

Alafaya Tr NB Average
Alafaya Tr SB Average
Total Average
Total Percent

45	53.00	46.93	19	23	186	1,363	4,849	6,756	3,206	1,367	44	17,812
45	53.53	47.30	12	20	145	1,175	4,806	6,682	3,188	1,677	73	17,779
45	53.27	47.12	31	43	331	2,538	9,655	13,438	6,395	3,044	116	35,591
			0.1%	0.1%	0.9%	7.1%	27.1%	37.8%	18.0%	8.6%	0.3%	100.00
			0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
10	3	4	3	30	214	1372	4691	6733	3063	1028	274	26	24	17475
3	7	4	1	14	123	1048	4468	6619	3200	1470	344	49	39	17389
12	6	1	4	14	145	1303	4768	6746	3367	1233	233	27	15	17874
5	7	3	4	20	162	1194	4781	6510	3156	1351	298	37	30	17558
17	4	0	2	16	198	1414	5087	6788	3189	1087	246	23	16	18087
4	3	1	1	20	151	1284	5170	6918	3209	1309	258	33	30	18391

Average Data Sample Directional

13	4	2	3	20	186	1363	4849	6756	3206	1116	251	25	18	17812
4	6	3	2	18	145	1175	4806	6682	3188	1377	300	40	33	17779

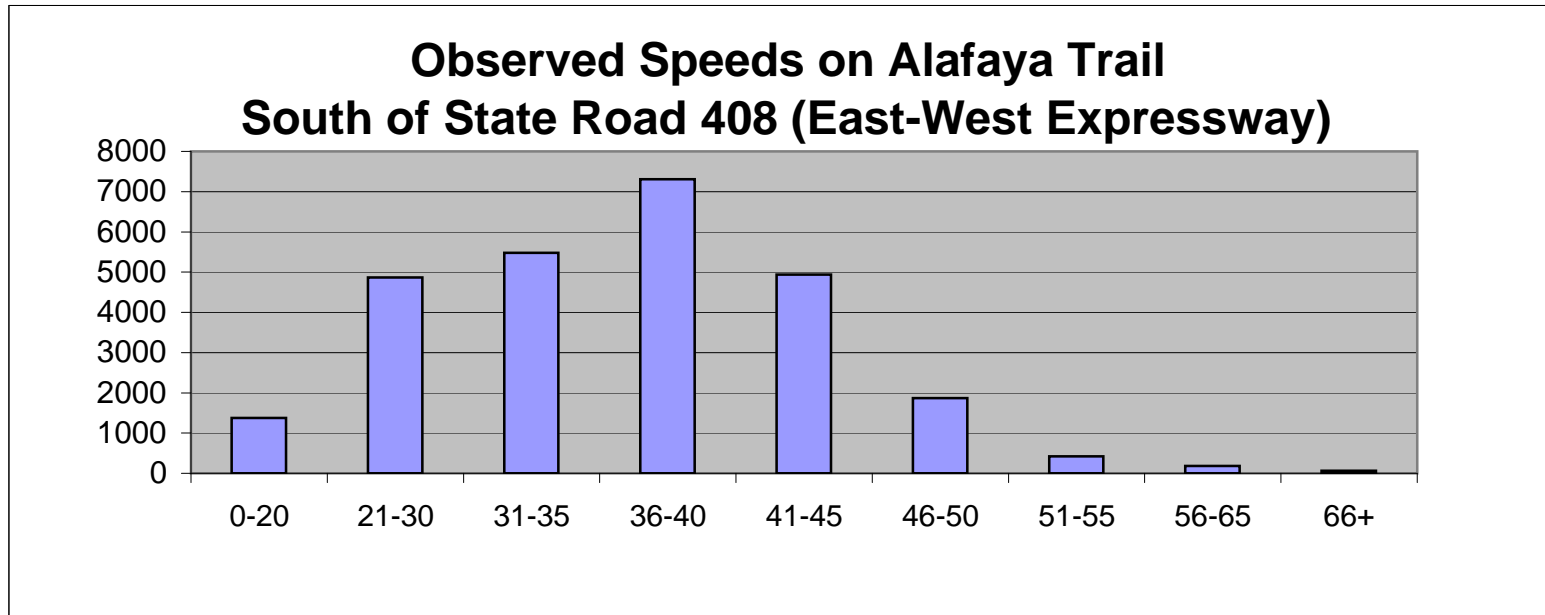
ORANGE COUNTY TRAFFIC ENGINEERING

Alafaya Trail S of SR 408

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	Total		
Alafaya Trail NB	S of SR 408	4/10/2012 Tu	45	43.7	36.1	599	2,049	2,721	4,718	3,071	1,079	213	78	56	14,584	8-9A	12-1P
Alafaya Trail SB	S of SR 408	4/10/2012 Tu	45	43.7	34.5	679	2,603	2,696	2,545	1,965	928	237	90	6	11,749	11A-12P	3-4P
Alafaya Trail NB	S of SR 408	4/11/2012 We	45	43.4	35.9	594	2,166	2,869	4,881	2,974	987	190	97	47	14,805	7-8A	12-1PM
Alafaya Trail SB	S of SR 408	4/11/2012 We	45	43.6	34.1	753	2,817	2,604	2,459	1,911	877	231	106	15	11,773	11A-12P	2-3P
Alafaya Trail NB	S of SR 408	4/12/2012 Th	45	43.2	35.6	698	2,097	2,857	4,831	2,977	869	191	80	56	14,656	7-8A	12-1P
Alafaya Trail SB	S of SR 408	4/12/2012 Th	45	43.4	33.9	814	2,880	2,679	2,490	1,923	865	210	87	3	11,951	11A-12P	3-4P

Alafaya Trail NB Average
Alafaya Trail SB Average
Total Average
Total Percent

45	43.43	35.87	630	2,104	2,816	4,810	3,007	978	198	85	53	14,682
45	43.57	34.17	749	2,767	2,660	2,498	1,933	890	226	94	8	11,824
45	43.50	35.02	1,379	4,871	5,475	7,308	4,940	1,868	424	179	61	26,506
			5.2%	18.4%	20.7%	27.6%	18.6%	7.0%	1.6%	0.7%	0.2%	100.00
			0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
106	161	332	722	1327	2721	4718	3071	1079	213	65	13	3	53	14584
145	197	337	854	1749	2696	2545	1965	928	237	75	15	1	5	11749
107	146	341	805	1361	2869	4881	2974	987	190	75	22	4	43	14805
163	213	377	960	1857	2604	2459	1911	877	231	85	21	4	11	11773
139	156	403	720	1377	2857	4831	2977	869	191	66	14	1	55	14656
188	238	388	933	1947	2679	2490	1923	865	210	78	9	1	2	11951

Average Data Sample Directional

117	154	359	749	1355	2816	4810	3007	978	198	69	16	3	50	14682
165	216	367	916	1851	2660	2498	1933	890	226	79	15	2	6	11824

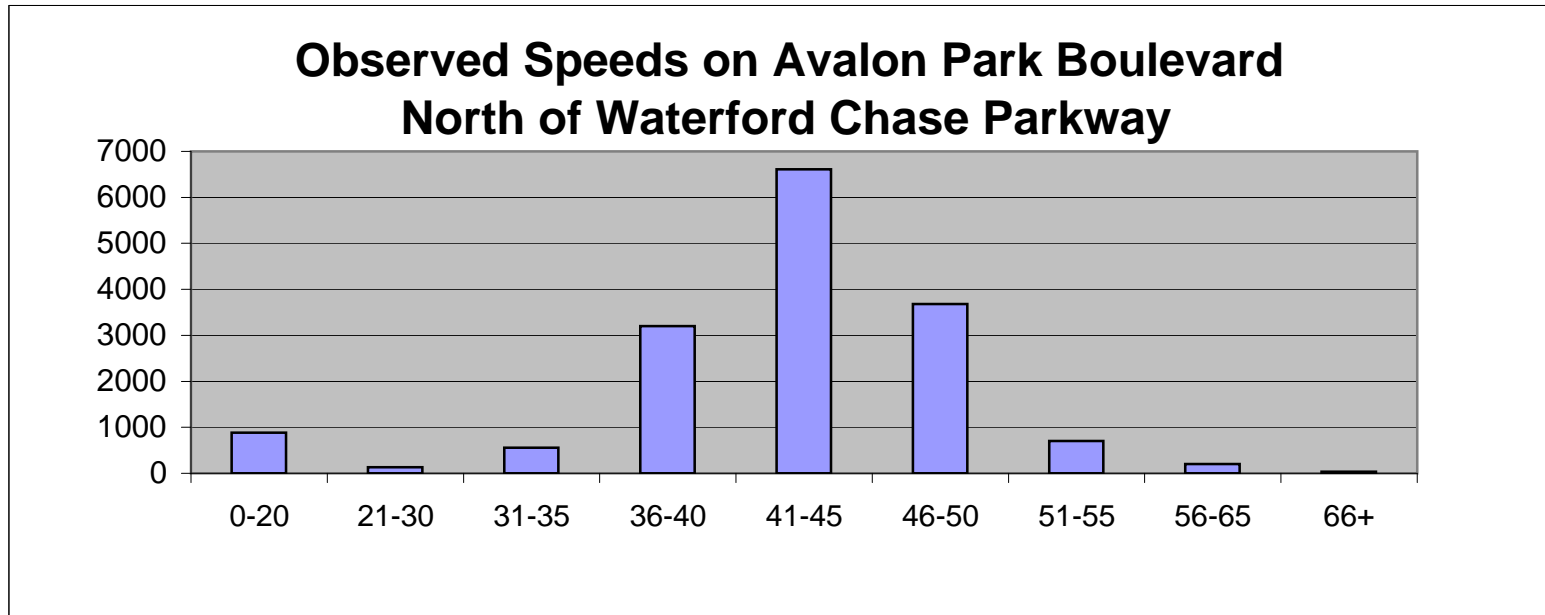
ORANGE COUNTY TRAFFIC ENGINEERING

Avalon Park Blvd N of Waterford Chase Py

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	Total		
Avalon Park Blvd NB	N of Waterford Chase Py	2/28/2012 Tu	45	45.7	37.7	878	107	309	1,582	2,844	999	149	32	24	6,924	7-8A	5-6P
Avalon Park Blvd SB	N of Waterford Chase Py	2/28/2012 Tu	45	48.6	43.3	11	34	289	1,662	3,782	2,448	457	156	4	8,843	7-8A	5-6P
Avalon Park Blvd NB	N of Waterford Chase Py	2/29/2012 We	45	46.9	38.4	827	76	233	1,543	2,725	1,286	207	43	38	6,978	7-8A	5-6P
Avalon Park Blvd SB	N of Waterford Chase Py	2/29/2012 We	45	48.8	43.6	3	33	278	1,608	3,662	2,588	574	152	6	8,904	7-8A	5-6P
Avalon Park Blvd NB	N of Waterford Chase Py	3/1/2012 Th	45	46.8	38.3	917	104	280	1,556	2,983	1,310	212	62	25	7,449	7-8A	5-6P
Avalon Park Blvd SB	N of Waterford Chase Py	3/1/2012 Th	45	48.6	43.4	6	36	277	1,642	3,833	2,406	512	156	7	8,875	7-8A	5-6P

Avalon Park Blvd NB Average
Avalon Park Blvd SB Average
Total Average
Total Percent

45	46.47	38.13	874	96	274	1,560	2,851	1,198	189	46	29	7,117
45	48.67	43.43	7	34	281	1,637	3,759	2,481	514	155	6	8,874
45	47.57	40.78	881	130	555	3,198	6,610	3,679	704	200	35	15,991
			5.5%	0.8%	3.5%	20.0%	41.3%	23.0%	4.4%	1.3%	0.2%	100.00
			0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
190	623	65	42	65	309	1582	2844	999	149	28	4	1	23	6924
4	6	1	6	28	289	1662	3782	2448	457	134	22	2	2	8843
201	574	52	28	48	233	1543	2725	1286	207	36	7	0	38	6978
1	0	2	8	25	278	1608	3662	2588	574	120	32	4	2	8904
209	635	73	29	75	280	1556	2983	1310	212	50	12	0	25	7449
1	4	1	9	27	277	1642	3833	2406	512	134	22	7	0	8875

Average Data Sample Directional

200	611	63	33	63	274	1560	2851	1198	189	38	8	0	29	7117
2	3	1	8	27	281	1637	3759	2481	514	129	25	4	1	8874

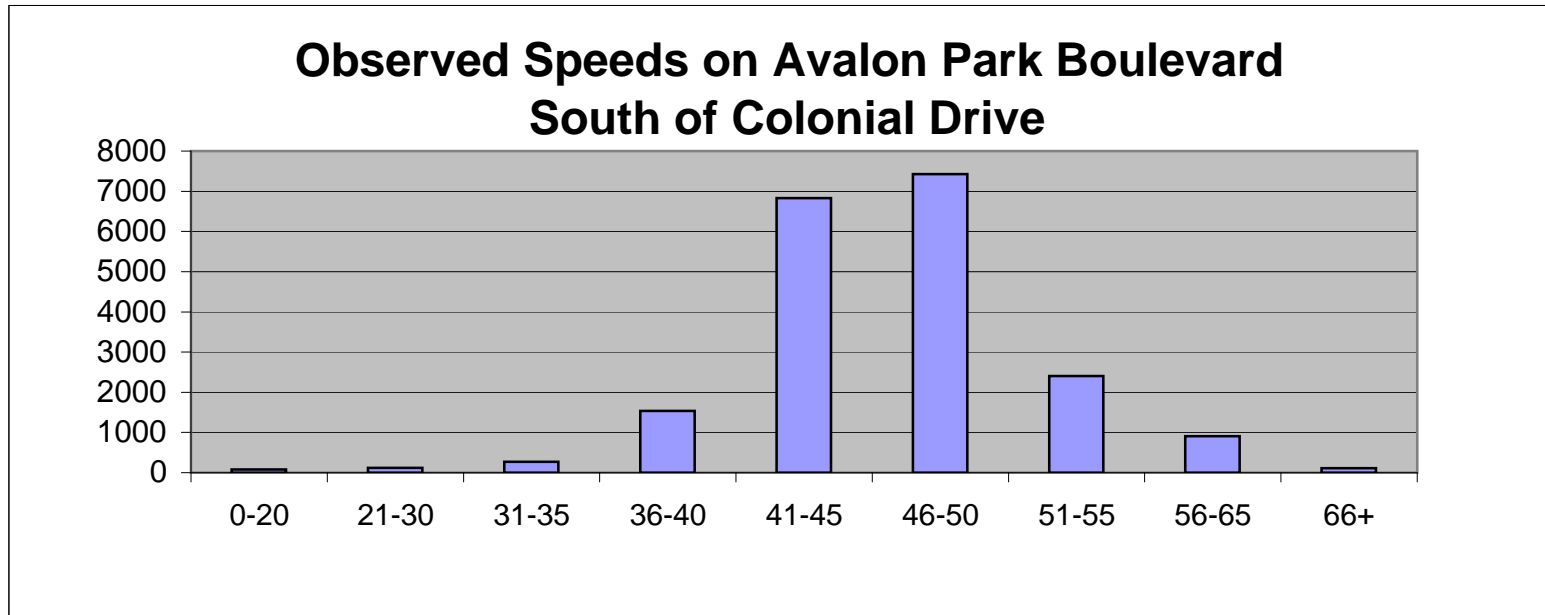
ORANGE COUNTY TRAFFIC ENGINEERING

Avalon Park Blvd S of Colonial Dr

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	Total		
Avalon Park Blvd NB	S of Colonial Dr	2/28/2012 Tu	45	45.7	51.7	112	81	163	718	3,009	3,756	1,376	554	23	9,792	7-8A	5-6P
Avalon Park Blvd SB	S of Colonial Dr	2/28/2012 Tu	45	49.5	44.8	12	70	122	846	3,898	3,435	807	221	79	9,490	8-9A	5-6P
Avalon Park Blvd NB	S of Colonial Dr	2/29/2012 We	45	52.6	46.7	35	43	148	613	2,846	4,010	1,674	704	25	10,098	8-9A	5-6P
Avalon Park Blvd SB	S of Colonial Dr	2/29/2012 We	45	49.3	44.6	18	62	145	938	4,058	3,402	763	209	88	9,683	8-9A	5-6P
Avalon Park Blvd NB	S of Colonial Dr	3/1/2012 Th	45	53	47	47	40	111	592	2,704	4,258	1,803	826	26	10,407	8-9A	5-6P
Avalon Park Blvd SB	S of Colonial Dr	3/1/2012 Th	45	49.5	44.9	0	0	0	0	0	0	0	0	0	0	8-9A	5-6P

Avalon Park Blvd NB Average
Avalon Park Blvd SB Average
Total Average
Total Percent

45	50.43	48.47	65	55	141	641	2,853	4,008	1,618	695	25	10,099
45	49.43	44.77	15	66	134	892	3,978	3,419	785	215	84	9,587
45	49.93	46.62	80	121	274	1,533	6,831	7,427	2,403	910	108	19,686
			0.4%	0.6%	1.4%	7.8%	34.7%	37.7%	12.2%	4.6%	0.5%	100.00
			0-20	21-30	31-35	36-40	41-45	46-50	51-55	56-65	66+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
39	31	42	41	40	163	718	3009	3756	1376	459	95	11	12	9792
8	3	1	19	51	122	846	3898	3435	807	185	36	4	75	9490
6	15	14	14	29	148	613	2846	4010	1674	582	122	16	9	10098
11	4	3	9	53	145	938	4058	3402	763	168	41	9	79	9683
11	23	13	21	19	111	592	2704	4258	1803	669	157	16	10	10407
														0

Average Data Sample Directional

19	23	23	25	29	141	641	2853	4008	1618	570	125	14	10	10099
10	4	2	14	52	134	892	3978	3419	785	177	39	7	77	6391

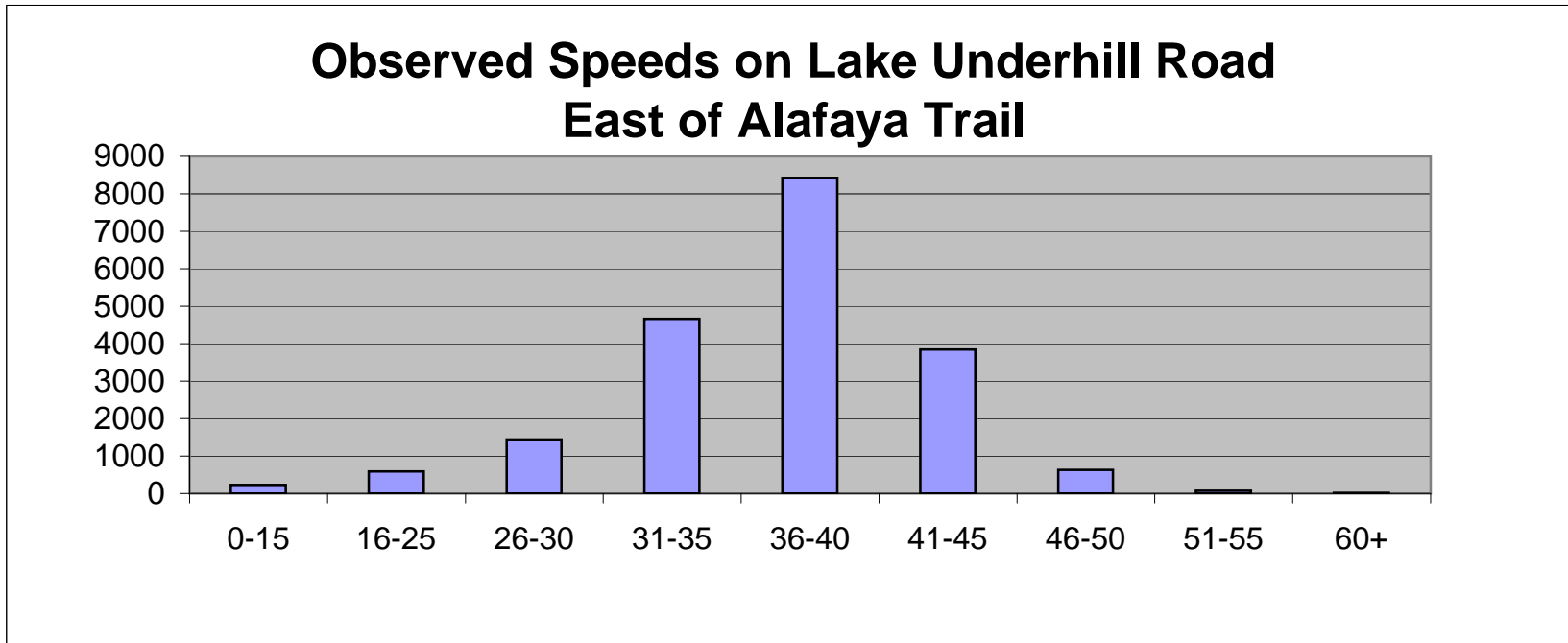
ORANGE COUNTY TRAFFIC ENGINEERING

Lake Underhill Road East of Alafaya Trail

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-15	16-25	26-30	31-35	36-40	41-45	46-50	51-55	60+	Total		
Lake Underhill Rd EB	East of Alafaya Tr	2/21/2012 Tu	35	40.2	34.7	149	457	1,056	2,627	3,933	1,357	132	13	4	9,728	11A-12P	4-5P
Lake Underhill Rd WB	East of Alafaya Tr	2/21/2012 Tu	35	43.5	37.9	79	114	316	1,784	4,288	2,673	581	63	15	9,913	8-9A	5-6P
Lake Underhill Rd EB	East of Alafaya Tr	2/22/2012 We	35	39.8	34	241	563	1,178	2,846	3,674	1,178	116	14	8	9,818	11A-12P	4-5P
Lake Underhill Rd WB	East of Alafaya Tr	2/22/2012 We	35	43.1	37.8	21	92	373	2,019	4,487	2,460	483	67	14	10,016	7-8A	12-1P
Lake Underhill Rd EB	East of Alafaya Tr	2/23/2012 We	35	40	34.6	177	507	1,074	2,677	4,123	1,306	133	13	4	10,014	11A-12P	4-5P
Lake Underhill Rd WB	East of Alafaya Tr	2/23/2012 We	35	43	37.9	19	47	327	2,032	4,771	2,558	458	47	16	10,275	7-8A	6-7P

Lake Underhill Rd EB Average
Lake Underhill Rd WB Average
Total Average
Total Percent

35	40.00	34.43	189	509	1,103	2,717	3,910	1,280	127	13	5	9,853
35	43.20	37.87	40	84	339	1,945	4,515	2,564	507	59	15	10,068
35	41.60	36.15	229	593	1,441	4,662	8,425	3,844	634	72	20	19,921
			1.1%	3.0%	7.2%	23.4%	42.3%	19.3%	3.2%	0.4%	0.1%	100.00
			0-15	16-25	26-30	31-35	36-40	41-45	46-50	51-55	60+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
77	72	126	331	1056	2627	3933	1357	132	13	3	0	0	1	9728
35	44	38	76	316	1784	4288	2673	581	63	11	3	0	1	9913
125	116	142	421	1178	2846	3674	1178	116	14	5	1	1	1	9818
6	15	31	61	373	2019	4487	2460	483	67	14	0	0	0	10016
106	71	148	359	1074	2677	4123	1306	133	13	3	1	0	0	10014
10	9	11	36	327	2032	4771	2558	458	47	14	1	0	1	10275

Average Sample Data Directional

103	86	139	370	1103	2717	3910	1280	127	13	4	1	0	1	9853
17	23	27	58	339	1945	4515	2564	507	59	13	1	0	1	10068

ORANGE COUNTY TRAFFIC ENGINEERING

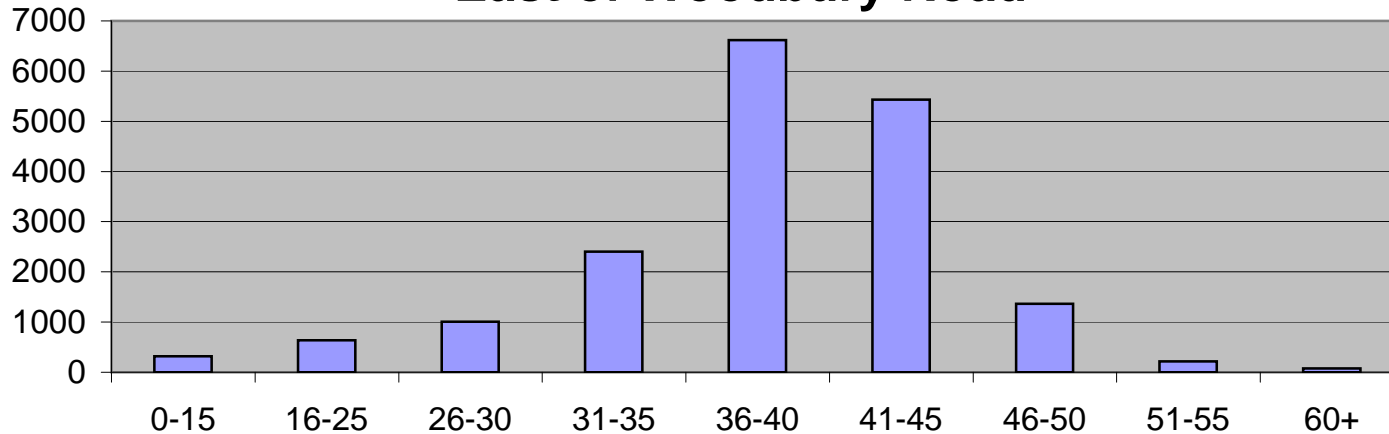
Lake Underhill Road East of Woodbury Road

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-15	16-25	26-30	31-35	36-40	41-45	46-50	51-55	60+	Total		
Lake Underhill Rd EB	East of Woodbury Rd	2/21/2012 Tu	35	44.8	38.9	143	294	309	925	3,020	3,137	957	177	60	9,022	11A-12P	5-6P
Lake Underhill Rd WB	East of Woodbury Rd	2/21/2012 Tu	35	43.2	36.7	198	295	643	1,330	3,465	2,367	393	54	16	8,761	7-8A	6-7P
Lake Underhill Rd EB	East of Woodbury Rd	2/22/2012 We	35	44.4	38.4	120	317	357	1,180	3,356	2,897	849	139	52	9,267	11A-12P	6-7P
Lake Underhill Rd WB	East of Woodbury Rd	2/22/2012 We	35	42.9	36.2	198	380	736	1,572	3,364	2,120	376	53	11	8,810	7-8A	5-6P
Lake Underhill Rd EB	East of Woodbury Rd	2/23/2012 We	35	44.9	39.2	105	330	316	859	3,047	3,310	1,075	180	79	9,301	11A-12P	5-6P
Lake Underhill Rd WB	East of Woodbury Rd	2/23/2012 We	35	43.3	36.8	201	294	653	1,352	3,597	2,462	445	49	18	9,071	7-8A	6-7P

Lake Underhill Rd EB Average
Lake Underhill Rd WB Average
Total Average
Total Percent

35	44.70	38.83	123	314	327	988	3,141	3,115	960	165	64	9,197
35	43.13	36.57	199	323	677	1,418	3,475	2,316	405	52	15	8,881
35	43.92	37.70	322	637	1,005	2,406	6,616	5,431	1,365	217	79	18,077
			1.8%	3.5%	5.6%	13.3%	36.6%	30.0%	7.6%	1.2%	0.4%	100.00
			0-15	16-25	26-30	31-35	36-40	41-45	46-50	51-55	60+	

Observed Speeds on Lake Underhill Road East of Woodbury Road



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
70	73	93	201	309	925	3020	3137	957	177	41	11	4	4	9022
129	69	75	220	643	1330	3465	2367	393	54	13	2	1	0	8761
52	68	92	225	357	1180	3356	2897	849	139	41	7	3	1	9267
94	104	112	268	736	1572	3364	2120	376	53	8	3	0	0	8810
36	69	82	248	316	859	3047	3310	1075	180	52	15	4	8	9301
106	95	81	213	653	1352	3597	2462	445	49	15	2	1	0	9071

Average Sample Data Directional

53	70	89	225	327	988	3141	3115	960	165	45	11	4	4	9197
110	89	89	234	677	1418	3475	2316	405	52	12	2	1	0	8881

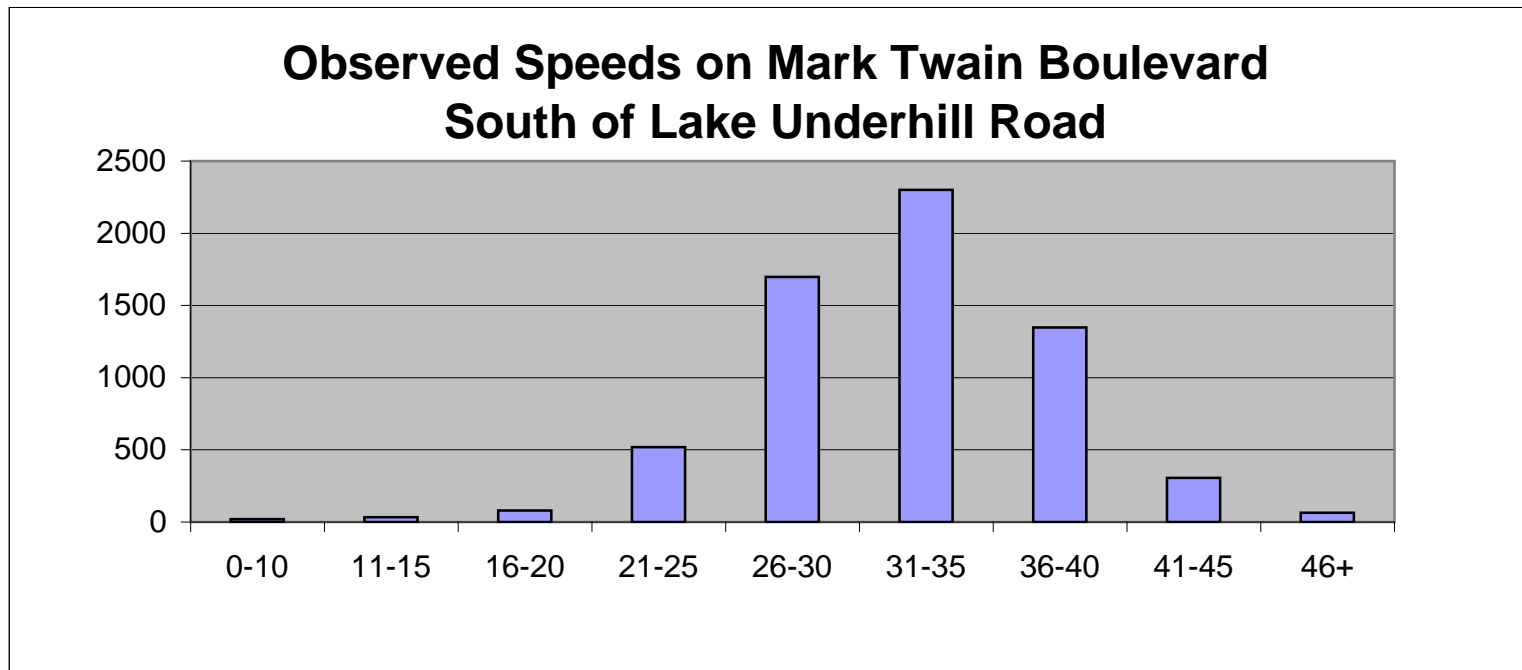
ORANGE COUNTY TRAFFIC ENGINEERING

Mark Twain Blvd S of Lake Underhill Rd

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46+	Total		
Mark Twain Blvd NB	S of Lake Underhill Rd	2/21/2012 Tu	25	38.1	31.6	7	29	49	233	754	970	591	164	41	2,838	7-8AM	5-6PM
Mark Twain Blvd SB	S of Lake Underhill Rd	2/21/2012 Tu	25	37.9	32.1	3	1	17	232	922	1,354	824	157	22	3,532	8-9AM	6-7P
Mark Twain Blvd NB	S of Lake Underhill Rd	2/21/2012 We	25	37.6	31.1	17	13	50	293	806	960	552	130	32	2,853	7-8AM	4-5PM
Mark Twain Blvd SB	S of Lake Underhill Rd	2/21/2012 We	25	37.3	31.4	16	24	35	290	950	1,314	698	126	28	3,481	8-9AM	5-6PM
Mark Twain Blvd NB	S of Lake Underhill Rd	2/23/2012 Th	25	38	31.6	11	21	56	236	759	1,008	576	171	40	2,878	7-8AM	5-6PM
Mark Twain Blvd SB	S of Lake Underhill Rd	2/23/2012 Th	25	37.9	31.9	8	14	33	272	900	1,298	803	167	28	3,523	8-9AM	5-6PM

Mark Twain Blvd NB Average
Mark Twain Blvd SB Average
Total Average
Total Percent

25	37.90	31.43	12	21	52	254	773	979	573	155	38	2,856
25	37.70	31.80	9	13	28	265	924	1,322	775	150	26	3,512
25	37.80	31.62	21	34	80	519	1,697	2,301	1,348	305	64	6,368
			0.3%	0.5%	1.3%	8.1%	26.6%	36.1%	21.2%	4.8%	1.0%	100.00
			0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
7	29	49	233	754	970	591	164	30	5	1	0	0	5	2838
3	1	17	232	922	1354	824	157	15	1	0	1	0	5	3532
17	13	50	293	806	960	552	130	23	2	2	0	0	5	2853
16	24	35	290	950	1314	698	126	13	1	4	2	0	8	3481
11	21	56	236	759	1008	576	171	30	1	2	1	0	6	2878
8	14	33	272	900	1298	803	167	22	1	0	0	0	5	3523

Average Data Directional

12	21	52	254	773	979	573	155	28	3	2	0	0	5	2856
9	13	28	265	924	1322	775	150	17	1	1	1	0	6	3512

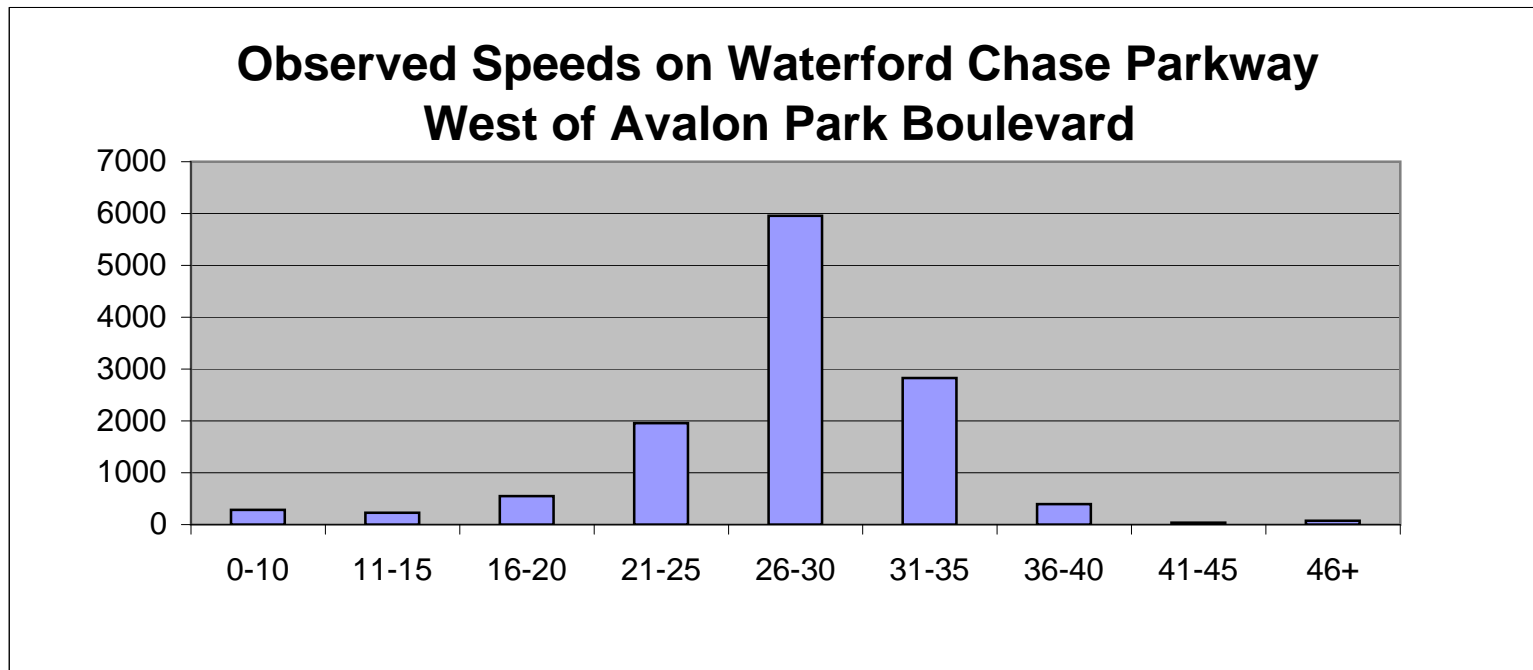
ORANGE COUNTY TRAFFIC ENGINEERING

Waterford Chase Py W of Avalon Park Bv

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46+	Total		
Waterford Chase Py EB	W of Avalon Park Blvd	2/28/2012 Tu	25	33.3	27	99	191	437	1,120	2,338	1,551	329	28	44	6,137	11A-12P	5-6P
Waterford Chase Py WB	W of Avalon Park Blvd	2/28/2012 Tu	25	31.5	27	216	9	53	871	3,560	1,128	82	6	35	5,960	7-8A	3-4P
Waterford Chase Py EB	W of Avalon Park Blvd	2/29/2012 We	25	33.1	27	95	177	386	1,205	2,488	1,610	291	33	29	6,314	11A-12P	5-6P
Waterford Chase Py WB	W of Avalon Park Blvd	2/29/2012 We	25	31.9	27.2	179	49	86	781	3,527	1,263	78	10	35	6,008	7-8A	2-3P
Waterford Chase Py EB	W of Avalon Park Blvd	3/1/2012 Th	25	33.2	26.5	136	247	647	1,115	2,288	1,632	312	36	41	6,454	11A-12P	6-7P
Waterford Chase Py WB	W of Avalon Park Blvd	3/1/2012 Th	25	31.9	27.6	126	9	41	773	3,675	1,293	92	3	33	6,045	7-8A	2-3P

Waterford Chase Py EB Average
Waterford Chase Py WB Average
Total Average
Total Percent

25	33.20	26.83	110	205	490	1,147	2,371	1,598	311	32	38	6,302
25	31.77	27.27	174	22	60	808	3,587	1,228	84	6	34	6,004
25	32.48	27.05	284	227	550	1,955	5,959	2,826	395	39	72	12,306
			2.3%	1.8%	4.5%	15.9%	48.4%	23.0%	3.2%	0.3%	0.6%	100.00
			0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
99	191	437	1120	2338	1551	329	28	8	4	3	3	0	26	6137
216	9	53	871	3560	1128	82	6	7	0	2	1	3	22	5960
95	177	386	1205	2488	1610	291	33	3	4	2	2	0	18	6314
179	49	86	781	3527	1263	78	10	3	2	4	1	2	23	6008
136	247	647	1115	2288	1632	312	36	7	3	0	1	0	30	6454
126	9	41	773	3675	1293	92	3	2	2	2	2	0	25	6045

Average Sample Data Directional

110	205	490	1147	2371	1598	311	32	6	4	2	2	0	25	6302
174	22	60	808	3587	1228	84	6	4	1	3	1	2	23	6004

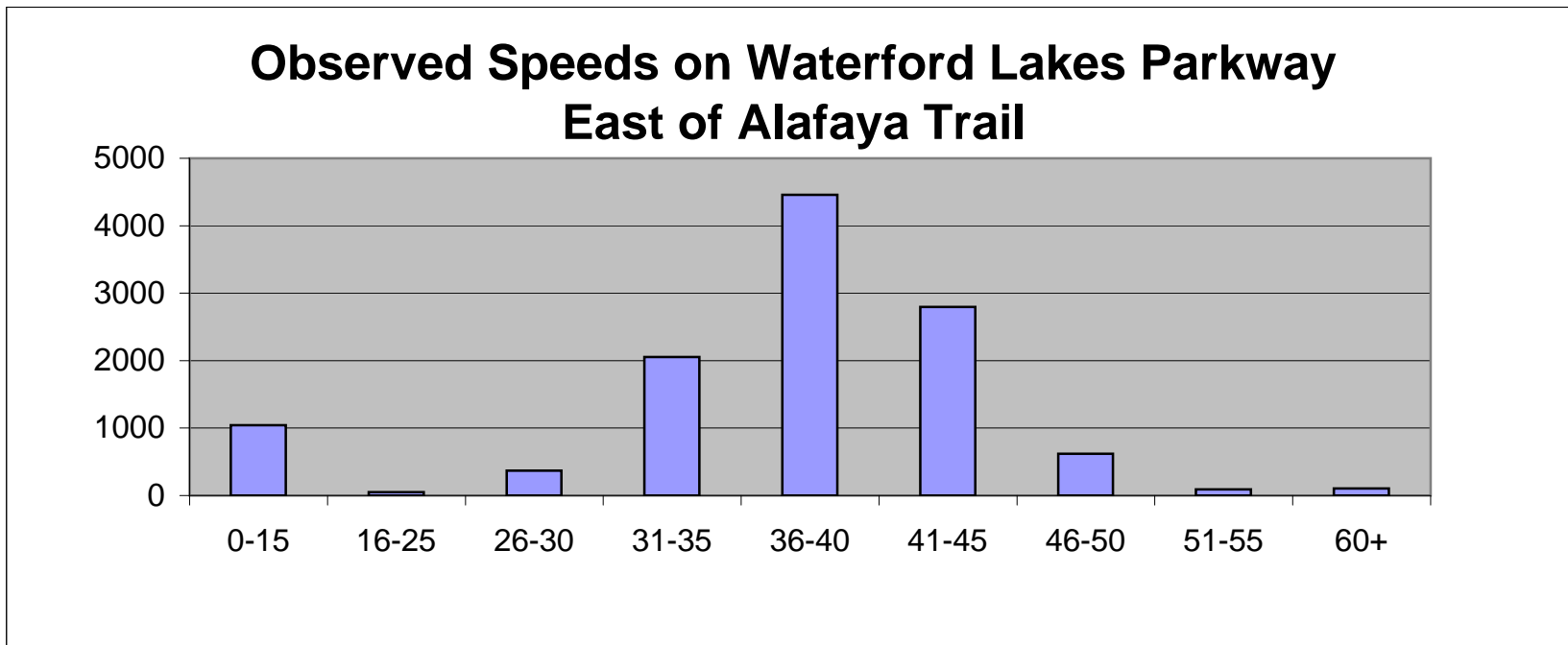
ORANGE COUNTY TRAFFIC ENGINEERING

Waterford Lakes Parkway East of Alafaya Trail

Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-15	16-25	26-30	31-35	36-40	41-45	46-50	51-55	60+	Total		
						Waterford Lakes Py EB	East of Alafaya Trail	4/10/2012 Tu	30	42.5	34.3	574	36	245	1,157		
Waterford Lakes Py WB	East of Alafaya Trail	4/10/2012 Tu	30	44	37.1	426	15	107	844	2,360	1,781	463	55	70	6,121	8-9A	5-6P
Waterford Lakes Py EB	East of Alafaya Trail	4/11/2012 We	30	42	33.7	644	33	241	1,176	2,076	962	181	30	36	5,379	11A-12P	5-6P
Waterford Lakes Py WB	East of Alafaya Trail	4/11/2012 We	30	43.8	36.9	452	12	133	914	2,508	1,718	426	77	70	6,310	8-9A	5-6P
Waterford Lakes Py EB	East of Alafaya Trail	4/12/2012 Th	30	42	33.9	588	40	246	1,179	2,009	979	160	24	32	5,257	11A-12P	5-6P
Waterford Lakes Py WB	East of Alafaya Trail	4/12/2012 Th	30	43.8	36.9	439	17	136	887	2,455	1,851	419	60	71	6,335	11A-12P	5-6P

Waterford Lakes Py EB Average
Waterford Lakes Py WB Average
Total Average
Total Percent

30	42.17	33.97	602	36	244	1,171	2,018	1,014	182	27	34	5,327
30	43.87	36.97	439	15	125	882	2,441	1,783	436	64	70	6,255
30	43.02	35.47	1,041	51	369	2,052	4,459	2,797	618	91	104	11,582
			9.0%	0.4%	3.2%	17.7%	38.5%	24.1%	5.3%	0.8%	0.9%	100.00
			0-15	16-25	26-30	31-35	36-40	41-45	46-50	51-55	60+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
283	291	10	26	245	1157	1969	1100	204	26	7	2	2	22	5344
166	260	4	11	107	844	2360	1781	463	55	26	8	1	35	6121
347	297	7	26	241	1176	2076	962	181	30	9	1	0	26	5379
181	271	4	8	133	914	2508	1718	426	77	24	5	2	39	6310
321	267	10	30	246	1179	2009	979	160	24	9	5	1	17	5257
202	237	5	12	136	887	2455	1851	419	60	16	3	3	49	6335

Average Sample Data Directional

317	285	9	27	244	1171	2018	1014	182	27	8	3	1	22	5327
183	256	4	10	125	882	2441	1783	436	64	22	5	2	41	6255

ORANGE COUNTY TRAFFIC ENGINEERING

Woodbury Rd N of Lake Underhill Rd

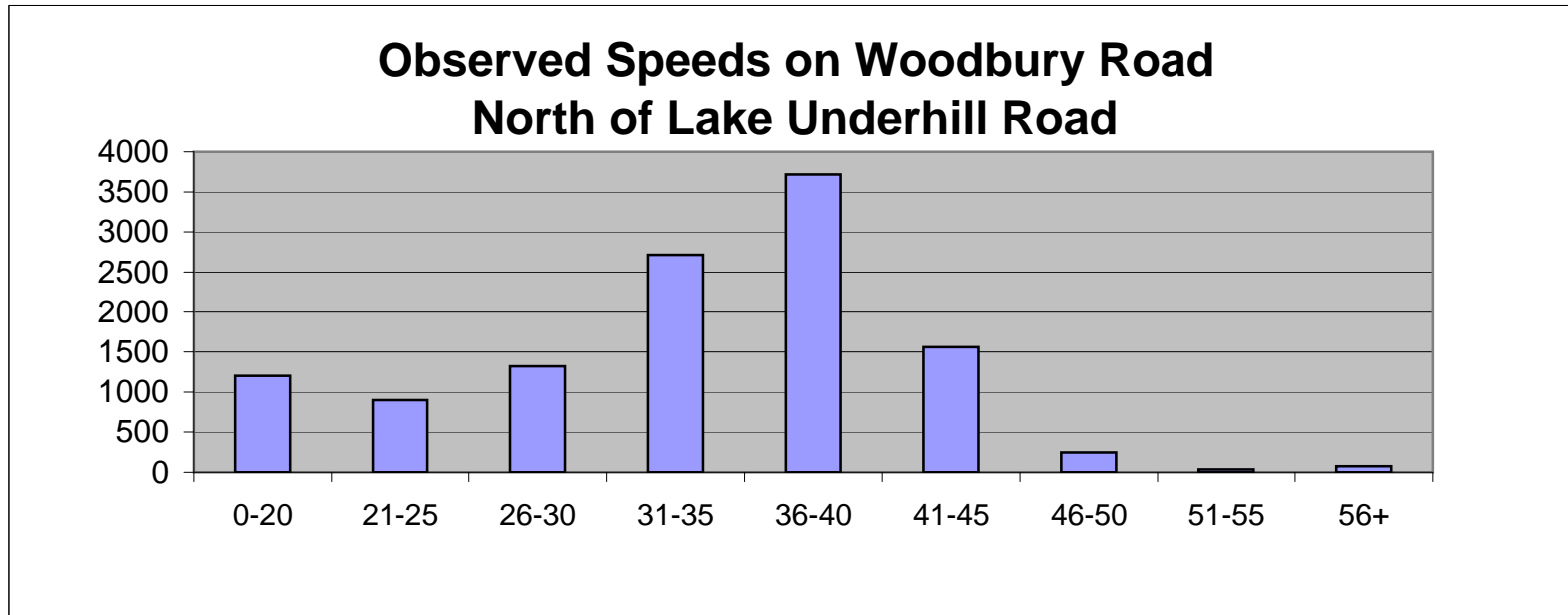
Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56+	Total		
Woodbury Rd NB	N of Lake Underhill Rd	2/15/2012 Wed	40	39.8	33.1	270	440	637	1,208	1,500	548	83	5	30	4,721	7-8A	6-7P
Woodbury Rd SB	N of Lake Underhill Rd	2/15/2012 Wed	40	40.9	33.2	624	445	737	1,629	2,364	1,054	155	23	46	7,077	11A-12P	6-7P
Woodbury Rd NB	N of Lake Underhill Rd	2/16/2012 Thur	40	40.3	33.4	285	446	638	1,100	1,585	645	95	15	30	4,839	7-8A	1-2P
Woodbury Rd SB	N of Lake Underhill Rd	2/16/2012 Thur	40	41	32.9	660	537	700	1,531	2,154	1,026	153	25	48	6,834	11A-12P	5-6P
Woodbury Rd NB	N of Lake Underhill Rd	2/17/2012 Fri	40	40	33.2	274	450	676	1,257	1,471	596	102	15	30	4,871	7-8A	12-1P
Woodbury Rd SB	N of Lake Underhill Rd	2/17/2012 Fri	40	39.9	30.2	1,488	381	574	1,415	2,084	806	148	27	46	6,969	11A-12P	7-8P

Woodbury Rd NB Average
Woodbury Rd SB Average

40	40.03	33.23	276	445	650	1,188	1,519	596	93	12	30	4,810
40	40.60	32.10	924	454	670	1,525	2,201	962	152	25	47	6,960

Total Average
Total Percent

40	40.32	32.67	1,200	900	1,321	2,713	3,719	1,558	245	37	77	11,770
			10.2%	7.6%	11.2%	23.1%	31.6%	13.2%	2.1%	0.3%	0.7%	100.00
			0-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
13	25	232	440	637	1208	1500	548	83	5	4	4	0	22	4721
155	254	215	445	737	1629	2364	1054	155	23	10	4	4	28	7077
10	25	250	446	638	1100	1585	645	95	15	3	2	0	25	4839
129	247	284	537	700	1531	2154	1026	153	25	6	5	5	32	6834
12	34	228	450	676	1257	1471	596	102	15	6	3	1	20	4871
496	553	439	381	574	1415	2084	806	148	27	11	9	1	25	6969

Average Sample Data Directional

12	28	237	445	650	1188	1519	596	93	12	4	3	0	22	4810
260	351	313	454	670	1525	2201	962	152	25	9	6	3	28	6960

ORANGE COUNTY TRAFFIC ENGINEERING

Woodbury Rd N of Waterford Lakes Pkwy

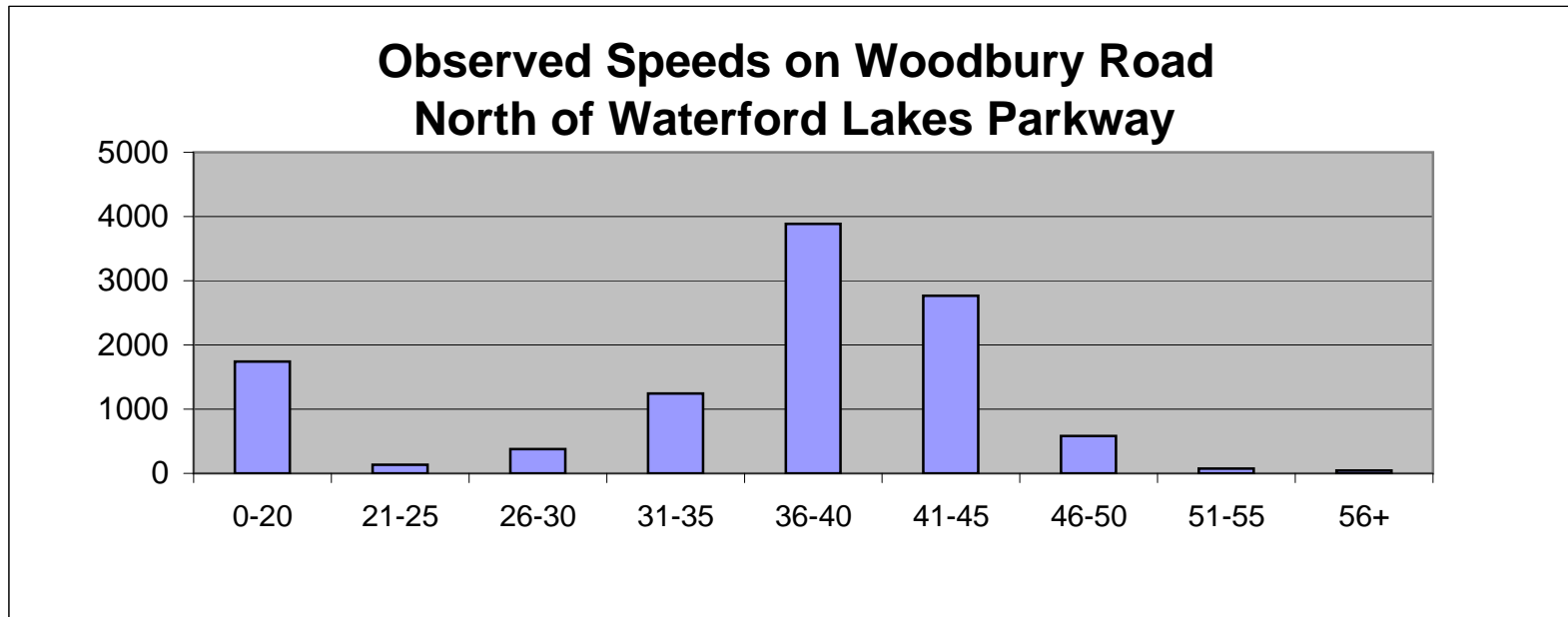
Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56+	Total		
Woodbury Rd NB	N of Waterford Lakes Py	2/15/2012 Wed	40	43.7	38.6	30	33	91	328	1,353	956	157	23	23	2,994	8-9A	1-2P
Woodbury Rd SB	N of Waterford Lakes Py	2/15/2012 Wed	40	43.1	32	1,713	102	289	918	2,532	1,808	427	54	22	7,865	11A-12P	5-6P

Woodbury Rd NB Average
Woodbury Rd SB Average

40	43.70	38.60	30	33	91	328	1,353	956	157	23	23	2,994
40	43.10	32.00	1,713	102	289	918	2,532	1,808	427	54	22	7,865

Total Average
Total Percent

40	43.40	35.30	1,743	135	380	1,246	3,885	2,764	584	77	45	10,859
			16.1%	1.2%	3.5%	11.5%	35.8%	25.5%	5.4%	0.7%	0.4%	100.00
			0-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56+	



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
2	9	19	33	91	328	1353	956	157	23	8	2	0	13	2994
816	822	75	102	289	918	2532	1808	427	54	6	6	0	10	7865

ORANGE COUNTY TRAFFIC ENGINEERING

Woodbury Rd S of Lake Underhill Rd

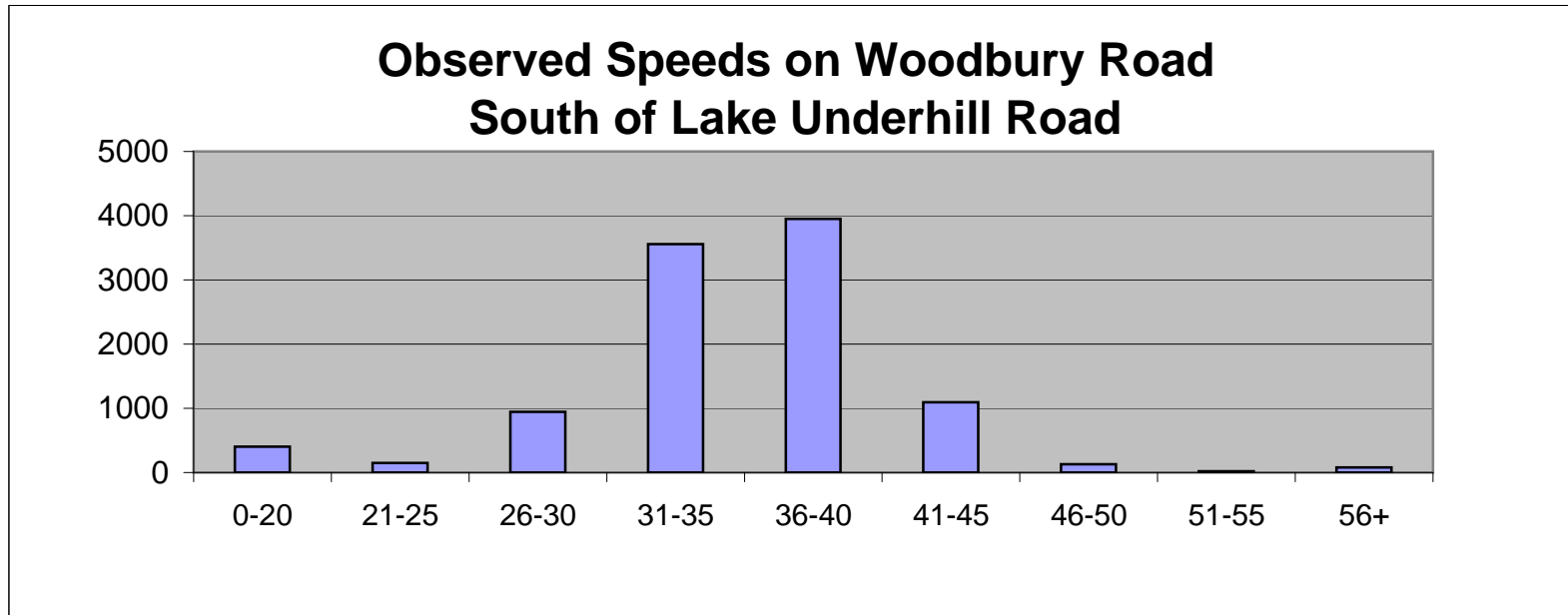
Road	Segment	Date	Posted Speed (mph)	85% Speed	50% Speed	Observed Speeds (Vehicles)										AM Peak	PM Peak
						0-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56+	Total		
Woodbury Rd NB	S of Lake Underhill Rd	2/15/2012 Wed	30	39.3	34.6	48	49	447	1,759	1,818	373	42	9	71	4,616	8-9A	6-7P
Woodbury Rd SB	S of Lake Underhill Rd	2/15/2012 Wed	30	40	34	363	88	457	1,799	2,172	754	90	11	21	5,755	8-9A	5-6P
Woodbury Rd NB	S of Lake Underhill Rd	2/16/2012 Thur	30	39.3	34.4	73	64	458	1,764	1,813	381	31	3	50	4,637	8-9A	5-6P
Woodbury Rd SB	S of Lake Underhill Rd	2/16/2012 Thur	30	40	34.2	321	89	416	1,702	2,122	685	100	16	16	5,467	11A-12P	5-6P
Woodbury Rd NB	S of Lake Underhill Rd	2/17/2012 Fri	30	39.2	34.3	70	68	539	1,796	1,838	354	26	5	70	4,766	8-9A	6-7P
Woodbury Rd SB	S of Lake Underhill Rd	2/17/2012 Fri	30	40.1	34	340	84	526	1,845	2,091	743	103	17	15	5,764	11A-12P	5-6P

Woodbury Rd NB Average
Woodbury Rd SB Average

30	39.27	34.43	64	60	481	1,773	1,823	369	33	6	64	4,673
30	40.03	34.07	341	87	466	1,782	2,128	727	98	15	17	5,662

Total Average
Total Percent

30	39.65	34.25	405	147	948	3,555	3,951	1,097	131	20	81	10,335
			3.9%	1.4%	9.2%	34.4%	38.2%	10.6%	1.3%	0.2%	0.8%	100.00
0-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56+				



ORANGE COUNTY TRAFFIC ENGINEERING

Sample Data

10	15	20	25	30	35	40	45	50	55	60	65	70	71+	TOTALS
44	1	3	49	447	1759	1818	373	42	9	2	1	0	68	4616
202	141	20	88	457	1799	2172	754	90	11	3	5	0	13	5755
64	3	6	64	458	1764	1813	381	31	3	2	2	1	45	4637
164	119	38	89	416	1702	2122	685	100	16	4	3	0	9	5467
62	3	5	68	539	1796	1838	354	26	5	3	1	3	63	4766
188	121	31	84	526	1845	2091	743	103	17	2	4	1	8	5764

Average Sample Data Directional

57	2	5	60	481	1773	1823	369	33	6	2	1	1	59	4673
185	127	30	87	466	1782	2128	727	98	15	3	4	0	10	5662