

APPENDIX A

(Information of Subject and Candidate Sites)

Speed Limit : 45 mph, Median Type : Non-Traversable Median

Selected Sites

Country Name	Road Name	Segment Length (m)	Country Name	Road Name	Segment Length (m)
Cumberland (Site # : 5)	US – 401	1.02	Mecklenburg (Site # : 40)	NC – 49	0.71
Gaston (Site # : 34)	SR – 1255 (Hudson Blvd.)	1.25	Mecklenburg (Site # : 40)	NC - 51	0.50
Gaston (Site # : 35)	SR – 1255 (Hudson Blvd.)	1.20	Mecklenburg (Site # : 40)	NC – 51	0.92
Gaston (Site # : 36)	SR – 1255 (Hudson Blvd.)	0.90	Mecklenburg (Site # : 40)	NC 24 / 27	1.60
Guilford (Site # : 15)	US – 70	0.84	Mecklenburg (Site # : 40)	NC – 24	1.51
Guilford (Site # : 16)	SR – 1541	0.89	Wake (Site # : 1)	Millbrook Rd.	0.48
Guilford (Site # : 17)	SR – 2176	0.55	Wake (Site # : 2)	NC – 50 (Creedmoor Rd.)	0.65
Mecklenburg (Site # : 40)	NC – 16	1.21			

Non Selected Sites

Country Name	Road Name	Beginning Mile Post	Segment Length (m)	Country Name	Road Name	Beginning Mile Post	Segment Length (m)
Columbus	US – 74	46.07	1.00	Wake	Cary Parkway	Unknown	Unknown
Columbus	US – 74	46.07	1.00	Wake	Harrison Ave.	Unknown	Unknown
Durham	US – 501	23.09	0.90	Wake	NC-54, Maynard Rd Loop	Unknown	Unknown
Forsyth	SR – 4000	0.38	0.70	Wake	US-70, Glenwood Ave	Unknown	Unknown
Forsyth	SR – 1725	2.43	0.50	Wake	Cary Parkway	Unknown	Unknown
Gaston	SR – 1255	0.20	1.20				
Gaston	SR – 1255	Unknown	0.70				
Guilford	SR – 2254	2.47	0.50				
Rockingham	NC – 700	0.48	0.70				
Wake	Edwards Mill Rd.	Unknown	Unknown				
Wake	NC – 50	21.44	0.70				
Wake	SR – 2812	0.67	0.60				
Wake	US – 70	18.87	0.50				

Information obtained from NCDOT personnel suggestions
Information retrieved from stored data bases

Speed Limit : 45 mph, Median Type : TWLTL

Selected Sites

Country Name	Road Name	Segment Length (m)	Country Name	Road Name	Segment Length (m)
Beaufort (Site # : 22)	US 264	0.71	Gaston (Site # : 38)	NC - 279	1.15
Buncombe (Site # : 55)	US - 70	1.10	Lenoir (Site # 12)	NC-11 / 55	1.82
Buncombe (Site # : 58)	NC - 63	0.50	New Hanover (Site # : 30)	US - 421	0.70
Buncombe (Site # : 59)	NC - 63	0.90	Onslow (Site # : 24)	US - 258	1.05
Catawba (Site # : 54)	SR 1453 (Springs Rd.)	0.65	Onslow (Site # : 25)	SR - 1308	1.00
Cumberland (Site # : 9)	NC - 53	0.84	Pender (Site # : 28)	US - 17	1.10
Cumberland (Site # : 10)	SR - 1403	1.07	Randolph (Site # : 20)	US - 64	0.69
Currituck (Site # : 32)	US - 158	1.30			

Non Selected Sites

Country Name	Road Name	Beginning Mile Post	Segment Length (m)	Country Name	Road Name	Beginning Mile Post	Segment Length (m)
	NC 58	Unknown	Unknown	Burke	US - 64	12.17	0.71
	NC 43	Unknown	Unknown	Burke	US - 70	Unknown	1.80
	SR 1165, Forest Hills Rd.	Unknown	Unknown	Caldwell	US - 64	5.5	2.16
	US 64 Bus, Sunset Ave.	Unknown	Unknown	Caldwell	US - 321	14.22	1.47
	NC 42	Unknown	Unknown	Caldwell	SR - 1300	0.03	0.03
Alamance	US - 70	2.61	1.63	Caldwell	SR - 1300	1.00	0.54
Alamance	US - 15	8.57	0.55	Catawba	US - 321 Bus.	10.01	0.88
Anson	US - 74	14.71	0.65	Catawba	US - 321 Bus.	8.85	0.81
Anson	US - 74	15.62	0.61	Catawba	US - 321 Bus.	8.35	0.50
Burke	US - 70	12.45	1.75	Chatham	US - 64	4.69	1.06
Burke	US - 70	11.20	1.05	Craven	NC - 43	0.03	0.92
Burke	US - 64	12.88	1.05	Cumberland	NC - 210	35.33	1.44
Burke	US - 70	9.22	0.93	Cumberland	NC - 53	15.17	1.33

Information obtained from NCDOT personnel suggestions
Information retrieved from stored data bases

Non Selected Sites							
Country Name	Road Name	Beginning Mile Post	Segment Length (m)	Country Name	Road Name	Beginning Mile Post	Segment Length (m)
Cumberland	NC – 210	34.41	0.92	Guilford	SR – 3300	2.99	0.66
Cumberland	US – 401	14.58	0.79	Guilford	US – 220	21.67	0.65
Cumberland	NC – 401	17.30	0.66	Haywood	US – 19	15.41	0.52
Durham	US – 501	12.26	0.90	Henderson	US -176	1.34	2.40
Durham	US – 501	13.81	0.59	Jackson	US – 441	18.18	2.48
Durham	Miami Blvd.	Unknown	Unknown	Jackson	US – 441	20.66	0.94
Edgecombe	SR – 1577	0.67	0.82	Mecklenburg	SR – 2480	0.28	0.90
Edgecombe	SR – 1577	0.00	0.67	Moore	US – 1	6.75	0.69
Forsyth	US – 158	2.96	0.66	Nash	SR – 1717	1.30	1.78
Forsyth	US – 158	4.56	0.52	Nash	US – 301 Bus.	6.71	0.96
Forsyth	NC – 67	6.48	0.50	Nash	US – 301 Bus.	5.71	0.90
Gaston	US – 321	4.40	0.70	Nash	NC – 43	2.88	0.57
Gaston	SR – 2466	3.20	0.68	Nash	SR – 1770	4.13	0.51
Gaston	US – 321	3.76	0.64	New Hanover	US – 76	2.16	0.95
Gaston	NC -279	11.66	0.60	New Hanover	US – 17	9.97	0.70
Gaston	US – 321	9.86	0.54	Orange	SR – 1733	0.88	0.57
Guilford	NC – 68	0.82	1.50	Pitt	US – 264 Alt.	1.49	1.69
Guilford	NC – 68	7.77	1.40	Pitt	US – 264 Alt.	18.48	1.69
Guilford	NC – 68	4.76	1.34	Pitt	SR – 1598	1.98	1.63
Guilford	NC – 68	2.48	1.19	Pitt	US – 264 Alt.	14.22	1.17
Guilford	US – 220	20.07	0.84	Richmond	US – 74 Bus.	6.41	1.29
Guilford	SR – 1007	6.95	1.15	Richmond	US – 74 Bus.	4.96	0.66
Guilford	NC – 68	6.86	0.91	Robeson	NC – 211	8.3	1.12
Guilford	NC – 68	6.10	0.76	Robeson	NC – 72	15.6	0.66

	Information obtained from NCDOT personnel suggestions
	Information retrieved from stored data bases

Non Selected Sites							
Country Name	Road Name	Beginning Mile Post	Segment Length (m)	Country Name	Road Name	Beginning Mile Post	Segment Length (m)
Rowan	US – 70	14.24	0.59	Wilson	NC – 42	13.10	0.59
Sampson	US – 421	26.80	0.61	Wilson	NC – 58	17.63	0.53
Sampson	NC – 24	18.10	0.80				
Stanly	US – 52	Unknown	0.99				
Stanly	US – 52	17.65	1.31				
Stanly	US – 52	18.96	0.65				
Stanly	US – 52	Unknown	0.60				
Transylvania	US – 64	18.78	1.49				
Union	US – 74	21.52	0.96				
Vance	US 1	Unknown	Unknown				
Wake	SR – 2000	3.74	2.85				
Wake	SR – 2684	0.26	0.61				
Wake	Millbrook Rd.	Unknown	Unknown				
Wake	Spring Forest Rd.	Unknown	Unknown				
Wake	New Hope Rd.	Unknown	Unknown				
Wake	Kildaire Farm Rd.	Unknown	Unknown				
Wake	Raleigh Blvd.	Unknown	Unknown				
Wake	Atlantic Ave.	Unknown	Unknown				
Wake	Lynn Rd.	Unknown	Unknown				
Washington	US – 64	2.12	1.07				
Washington	US – 64	0.30	0.86				
Wilkes	NC – 268	13.96	1.20				
Wilson	SR – 1192	1.79	1.00				
Wilson	US – 264	8.50	0.85				

	Information obtained from NCDOT personnel suggestions
	Information retrieved from stored data bases

Speed Limit : 55 mph, Median Type : Non-Traversable Median

Selected Sites

Country Name	Road Name	Segment Length (m)	Country Name	Road Name	Segment Length (m)
Cumberland (Site # : 7)	US – 401 bus.	0.86	Mecklenburg (Site # : 47)	US – 29	0.85
Gaston (Site # : 33)	SR – 1255	0.91	Mecklenburg (Site # : 48)	US – 29	0.76
Gaston (Site # : 39)	NC – 273	1.21	Mecklenburg (Site # : 50)	NC – 24 / 27	1.90
Guilford (Site # : 13)	US – 29	2.20	Pitt (Site # : 4)	US – 264 Alt.	0.85
Guilford (Site # : 14)	US – 29	0.70	Randolph (Site # : 18)	US – 64	0.53
Mecklenburg (Site # : 41)	NC – 49	0.79	Union (Site # : 52)	US – 74	0.55
Mecklenburg (Site # : 45)	SR – 2472	0.78	Wilson (Site # : 3)	NC - 42	2.48
Mecklenburg (Site # : 46)	SR – 2472	0.47			

Non Selected Sites

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	Information obtained from NCDOT personnel suggestions
	Information retrieved from stored data bases

	Information obtained from NCSDOT personnel suggestions
	Information retrieved from stored data bases

Speed Limit : 55 mph, Median Type : TWLTL

Selected Sites

Country Name	Road Name	Segment Length (m)	Country Name	Road Name	Segment Length (m)
Beaufort (Site # : 21)	US – 264	0.35	Gaston (Site # : 37)	NC – 150	0.90
Buncombe (Site # : 56)	US – 70	1.60	Lenoir (Site # : 11)	NC – 11 / 55	1.46
Buncombe (Site # : 57)	US – 70	1.80	New Hanover (Site # : 29)	US – 17	1.60
Buncombe (Site # : 60)	NC – 280	0.40	Onslow (Site # : 23)	US – 258	2.07
Catawba (Site # : 53)	NC – 127	1.00	Onslow (Site # : 26)	SR – 1308	0.79
Cumberland (Site # : 6)	US – 401	1.11	Pender (Site # : 27)	US – 17	0.70
Cumberland (Site # : 8)	SR – 2311	0.80	Randolph (Site # : 19)	US – 64	0.98
Currituck (Site # : 31)	NC – 168	0.51			

Non Selected Sites

Country Name	Road Name	Beginning Mile Post	Segment Length (m)	Country Name	Road Name	Beginning Mile Post	Segment Length (m)
Beaufort	US – 17	13.32	0.67	Gaston	NC – 150	3.51	0.92
Beaufort	US – 264	2.96	0.85	Harnett	US – 421	13.25	0.66
Beaufort	US – 264	Unknown	Unknown	Lenoir	NC – 11	16.13	0.51
Buncombe	US – 70	21.65	2.34	Lenoir	NC–11 / 55	Unknown	Unknown
Cabarrus	NC – 24	6.04	0.83	Montgomery	NC – 24	16.97	1.36
Cabarrus	NC – 24	3.20	0.60	Onslow	SR – 1308	9.56	0.82
Cabarrus	NC – 24	4.60	0.58	Onslow	SR – 1308	8.71	0.85
Cabarrus	NC – 24 / 27	Unknown	Unknown	Onslow	NC – 24	36.61	0.76
Cleveland	NC – 150	11.51	1.36	Onslow	US – 258	3.33	1.21
Currituck	NC – 168	15.84	1.31	Pasquotank	NC – 34	13.48	0.74
Currituck	NC – 168	4.54	1.06	Pasquotank	NC – 34	14.22	0.67
Currituck	NC – 168	17.15	1.22	Person	US – 501	2.72	0.63
Davidson	US – 64	9.28	0.83	Pitt	US – 264 Alt.	20.31	0.65

Information obtained from NCDOT personnel suggestions
Information retrieved from stored data bases

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APPENDIX B

(Site Collision and Exposure Data)

1. Total Collisions – 45 mph sites

Site No.	Speed Limit (mph)	Median Type	Segment Length (mile)	AADT (vehicle /day)	access point		Total Collisions																		
					Density (access point/mile)	Cate-gory	Severity								Road Condition				Light Condition				Total		
							F*	A	B	C	P*	U*	EPDO*	Rate*	Dry		Not Dry		Daylight		Dark				
															#	Rate*	#	Rate*	#	Rate*	#	Rate*	#	Rate*	
1	45	NTM*	0.48	16000	4.17	Low	1	0	4	2	4	0	131.2	15.601	8	0.951	3	0.357	7	0.832	4	0.476	11	1.308	
16	45	NTM*	0.89	34000	6.74	Low	0	0	1	4	8	0	50.0	1.509	9	0.272	4	0.121	10	0.302	2	0.060	13	0.392	
35	45	NTM*	1.21	11000	6.61	Low	0	0	1	4	7	0	49.0	3.362	12	0.823	0	0.000	10	0.686	1	0.069	12	0.823	
40	45	NTM*	1.21	29000	10.74	Low	0	0	1	6	23	0	81.8	2.129	27	0.703	3	0.078	22	0.573	6	0.156	30	0.781	
44	45	NTM*	0.92	35000	4.35	Low	0	0	4	12	48	0	182.4	5.173	53	1.503	11	0.312	49	1.390	12	0.340	64	1.815	
49	45	NTM*	1.6	27000	10.63	Low	0	0	3	12	17	3	143.0	3.023	27	0.571	8	0.169	25	0.528	8	0.169	35	0.740	
65	45	NTM*	1.1	28500	10	Low	0	0	0	1	11	0	19.4	0.565	7	0.204	5	0.146	7	0.204	5	0.146	12	0.350	
68	45	NTM*	0.5	18500	2	Low	0	0	0	2	0	0	16.8	1.659	1	0.099	1	0.099	1	0.099	1	0.099	2	0.197	
74	45	NTM*	0.55	18750	7.27	Low	0	0	0	2	3	0	19.8	1.753	4	0.354	1	0.089	4	0.354	0	0.000	5	0.443	
2	45	NTM*	0.65	30250	24.62	High	0	0	2	2	10	0	43.6	2.025	12	0.557	2	0.093	9	0.418	4	0.186	14	0.650	
15	45	NTM*	0.84	18750	21.43	High	0	0	3	5	13	0	80.2	4.650	17	0.986	4	0.232	16	0.928	4	0.232	21	1.218	
42	45	NTM*	0.71	23000	18.31	High	0	0	2	4	14	2	64.4	3.602	17	0.951	5	0.280	14	0.783	4	0.224	22	1.230	
51	45	NTM*	1.51	40500	17.22	High	0	2	2	21	54	1	400.8	5.985	64	0.956	16	0.239	64	0.956	12	0.179	80	1.195	
9	45	TWLT*	0.84	14000	10.71	Low	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
20	45	TWLT*	0.69	20000	13.04	Low	0	0	1	4	6	0	48.0	3.176	7	0.463	4	0.265	7	0.463	2	0.132	11	0.728	
25	45	TWLT*	1	17000	7	Low	0	1	3	7	14	0	174.8	9.390	21	1.128	3	0.161	9	0.483	14	0.752	25	1.343	
28	45	TWLT*	1.1	23667	14.55	Low	0	0	3	11	17	0	134.6	4.722	26	0.912	5	0.175	24	0.842	5	0.175	31	1.087	
61	45	TWLT*	1.3	3300	11.54	Low	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
62	45	TWLT*	0.62	20000	12.9	Low	1	0	0	1	0	0	85.2	6.275	2	0.147	0	0.000	1	0.074	1	0.074	2	0.147	
10	45	TWLT*	1.07	31500	24.3	High	0	1	7	21	39	0	351.0	9.510	58	1.572	10	0.271	41	1.111	23	0.623	68	1.842	
12	45	TWLT*	1.82	19000	34.62	High	1	1	2	10	16	0	270.4	7.141	24	0.634	6	0.158	17	0.449	11	0.291	30	0.792	
22	45	TWLT*	0.71	17667	42.25	High	0	2	6	13	25	0	338.2	24.623	31	2.257	15	1.092	32	2.330	12	0.874	46	3.349	
24	45	TWLT*	1.05	21000	19.05	High	0	1	7	19	27	1	322.2	13.345	39	1.615	16	0.663	36	1.491	18	0.746	55	2.278	
30	45	TWLT*	0.7	24250	65.71	High	0	0	2	3	7	0	49.0	2.636	10	0.538	2	0.108	9	0.484	2	0.108	12	0.646	
32	45	TWLT*	1.3	18333	17.69	High	1	0	0	3	8	0	110.0	4.215	9	0.345	3	0.115	9	0.345	3	0.115	12	0.460	
58	45	TWLT*	0.5	25000	62	High	0	0	7	11	29	0	180.2	13.165	32	2.338	15	1.096	34	2.484	12	0.877	47	3.434	
59	45	TWLT*	0.9	23000	35.56	High	0	1	3	13	18	0	229.2	10.112	24	1.059	11	0.485	26	1.147	8	0.353	35	1.544	
70	45	TWLT*	1	31500	19	High	1	1	2	10	12	0	266.4	7.723	19	0.551	7	0.203	18	0.522	8	0.232	26	0.754	

*NTM: non-traversable median; TWLT: two-way left turn lane; F: fatal; P: property damage only; U: unknown; EPDO: equivalent property-damage only; Rate: collisions per MVMT (million vehicle mile traveled)

2. Total Collisions – 55 mph sites

Site No.	Speed Limit (mph)	Median Type	Segment Length (mile)	AADT (vehicle /day)	access point		Total Collisions																	
					Density (access point/mile)	Category	Severity								Road Condition				Light Condition				Total	
							F*	A	B	C	P*	U*	EPDO*	Rate*	Dry		Not Dry		Daylight		Dark			
															#	Rate*	#	Rate*	#	Rate*	#	Rate*	#	Rate*
3	55	NTM*	2.48	6833	5.65	Low	0	0	0	1	4	0	12.4	1.877	3	0.454	2	0.303	5	0.757	0	0.000	5	0.757
7	55	NTM*	0.86	20000	0	Low	0	1	0	1	3	0	88.2	4.683	2	0.106	3	0.159	3	0.159	2	0.106	5	0.265
48	55	NTM*	0.76	20000	7.89	Low	0	0	0	4	18	2	51.6	3.100	19	1.142	5	0.300	12	0.721	8	0.481	24	1.442
50	55	NTM*	1.9	18000	5.26	Low	1	0	1	11	25	0	202.6	5.410	28	0.748	10	0.267	25	0.668	11	0.294	38	1.015
64	55	NTM*	0.7	15500	0	Low	0	0	1	0	0	0	8.4	0.707	1	0.084	0	0.000	0	0.000	1	0.084	1	0.084
13	55	NTM*	2.2	57138	17.27	High	0	3	14	56	92	8	910.4	6.614	107	0.777	66	0.479	127	0.923	38	0.276	173	1.257
6	55	TWLTL*	1.11	17000	4.5	Low	0	0	3	11	12	0	129.6	6.272	20	0.968	6	0.290	16	0.774	8	0.387	26	1.258
19	55	TWLTL*	0.98	19833	13.27	Low	1	2	2	1	20	0	275.6	12.949	19	0.893	7	0.329	18	0.846	7	0.329	26	1.222
27	55	TWLTL*	0.7	22500	7.14	Low	0	0	3	1	7	0	40.6	2.354	10	0.580	1	0.058	8	0.464	2	0.116	11	0.638
63	55	TWLTL*	1.35	12000	4.44	Low	1	0	3	2	9	0	127.8	7.204	13	0.733	1	0.056	7	0.395	7	0.395	15	0.846
73	55	TWLTL*	3	13000	9.33	Low	1	1	4	8	22	0	276.4	6.472	27	0.632	9	0.211	24	0.562	10	0.234	36	0.843
11	55	TWLTL*	1.46	13667	22.6	High	0	0	2	5	8	1	66.8	3.057	15	0.687	1	0.046	10	0.458	5	0.229	16	0.732
21	55	TWLTL*	0.35	16667	31.43	High	0	0	0	0	2	0	2.0	0.313	2	0.313	0	0.000	2	0.313	0	0.000	2	0.313
23	55	TWLTL*	2.07	16000	18.36	High	1	0	5	10	21	1	223.8	6.171	29	0.800	9	0.248	27	0.744	8	0.221	38	1.048
29	55	TWLTL*	1.6	35000	28.13	High	0	1	7	37	50	0	496.4	8.095	68	1.109	27	0.440	79	1.288	14	0.228	95	1.549
37	55	TWLTL*	0.9	10950	25.56	High	0	0	1	1	4	0	20.8	1.927	6	0.556	0	0.000	3	0.278	1	0.093	6	0.556
55	55	TWLTL*	1.1	12000	47.27	High	0	0	2	3	4	0	46.0	3.183	6	0.415	3	0.208	7	0.484	2	0.138	9	0.623
56	55	TWLTL*	1.6	19000	19.38	High	0	2	4	6	4	0	241.6	7.258	13	0.391	3	0.090	11	0.330	4	0.120	16	0.481
57	55	TWLTL*	1.8	14000	22.78	High	0	0	0	3	4	0	29.2	1.058	6	0.217	1	0.036	4	0.145	2	0.072	7	0.254
60	55	TWLTL*	0.4	28000	17.5	High	0	0	0	1	5	0	13.4	1.093	3	0.245	3	0.245	3	0.245	3	0.245	6	0.489
72	55	TWLTL*	0.6	13667	35	High	1	0	0	3	3	0	105.0	11.694	6	0.668	1	0.111	4	0.445	3	0.334	7	0.780

*NTM: non-traversable median; TWLTL: two-way left turn lane; F: fatal; P: property damage only; U: unknown; EPDO: equivalent property-damage only; Rate: collisions per MVMT (million vehicle mile traveled)

3. Curb-involved Collisions – 45 mph sites

Site No.	Speed Limit (mph)	Median Type	Segment Length (mile)	AADT (vehicle /day)	access point		Curb Involved Collision																	
					Density (access point/mile)	Cate- gory	Severity								Road Condition				Light Condition				Total	
							F*	A	B	C	P*	U*	EPDO*	Rate*	Dry		Not Dry		Daylight		Dark			
															#	Rate*	#	Rate*	#	Rate*	#	Rate*	#	Rate*
1	45	NTM*	0.48	16000	4.17	Low	1	0	3	2	1	0	119.8	14.246	4	0.476	3	0.357	3	0.357	4	0.476	7	0.832
16	45	NTM*	0.89	34000	6.74	Low	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
35	45	NTM*	1.21	11000	6.61	Low	0	0	0	1	0	0	8.4	0.576	1	0.069	0	0.000	1	0.069	0	0.000	1	0.069
40	45	NTM*	1.21	29000	10.74	Low	0	0	0	0	2	0	2.0	0.052	2	0.052	0	0.000	0	0.000	2	0.052	2	0.052
44	45	NTM*	0.92	35000	4.35	Low	0	0	0	1	6	0	14.4	0.408	5	0.142	2	0.057	2	0.057	4	0.113	7	0.199
49	45	NTM*	1.6	27000	10.63	Low	0	0	1	2	1	1	26.2	0.554	4	0.085	1	0.021	4	0.085	1	0.021	5	0.106
65	45	NTM*	1.1	28500	10	Low	0	0	0	0	4	0	4.0	0.117	2	0.058	2	0.058	2	0.058	2	0.058	4	0.117
68	45	NTM*	0.5	18500	2	Low	0	0	0	1	0	0	8.4	0.829	0	0.000	1	0.099	1	0.099	0	0.000	1	0.099
74	45	NTM*	0.55	18750	7.27	Low	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
2	45	NTM*	0.65	30250	24.62	High	0	0	1	0	3	0	11.4	0.529	4	0.186	0	0.000	1	0.046	3	0.139	4	0.186
15	45	NTM*	0.84	18750	21.43	High	0	0	2	2	1	0	34.6	2.006	5	0.290	0	0.000	4	0.232	1	0.058	5	0.290
42	45	NTM*	0.71	23000	18.31	High	0	0	1	1	1	0	17.8	0.995	2	0.112	1	0.056	2	0.112	1	0.056	3	0.168
51	45	NTM*	1.51	40500	17.22	High	0	0	1	2	4	0	29.2	0.436	4	0.060	3	0.045	5	0.075	2	0.030	7	0.105
9	45	TWLT*	0.84	14000	10.71	Low	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
20	45	TWLT*	0.69	20000	13.04	Low	0	0	1	1	1	0	17.8	1.178	3	0.199	0	0.000	0	0.000	2	0.132	3	0.199
25	45	TWLT*	1	17000	7	Low	0	1	2	2	2	0	112.4	6.038	7	0.376	0	0.000	2	0.107	5	0.269	7	0.376
28	45	TWLT*	1.1	23667	14.55	Low	0	0	2	1	5	0	30.2	1.059	7	0.246	1	0.035	5	0.175	2	0.070	8	0.281
61	45	TWLT*	1.3	3300	11.54	Low	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
62	45	TWLT*	0.62	20000	12.9	Low	1	0	0	1	0	0	85.2	6.275	2	0.147	0	0.000	1	0.074	1	0.074	2	0.147
10	45	TWLT*	1.07	31500	24.3	High	0	0	3	0	2	0	27.2	0.737	5	0.135	0	0.000	1	0.027	4	0.108	5	0.135
12	45	TWLT*	1.82	19000	34.62	High	0	0	1	6	0	0	58.8	1.553	5	0.132	2	0.053	4	0.106	3	0.079	7	0.185
22	45	TWLT*	0.71	17667	42.25	High	0	0	1	2	4	0	29.2	2.126	3	0.218	4	0.291	4	0.291	2	0.146	7	0.510
24	45	TWLT*	1.05	21000	19.05	High	0	0	2	6	4	1	71.2	2.949	8	0.331	5	0.207	7	0.290	6	0.249	13	0.538
30	45	TWLT*	0.7	24250	65.71	High	0	0	0	0	2	0	2.0	0.108	2	0.108	0	0.000	1	0.054	1	0.054	2	0.108
32	45	TWLT*	1.3	18333	17.69	High	1	0	0	0	2	0	78.8	3.020	3	0.115	0	0.000	1	0.038	2	0.077	3	0.115
58	45	TWLT*	0.5	25000	62	High	0	0	1	2	5	0	30.2	2.206	5	0.365	3	0.219	4	0.292	3	0.219	8	0.584
59	45	TWLT*	0.9	23000	35.56	High	0	1	1	3	3	0	113.4	5.003	5	0.221	3	0.132	3	0.132	5	0.221	8	0.353
70	45	TWLT*	1	31500	19	High	1	0	0	1	1	0	86.2	2.499	2	0.058	1	0.029	2	0.058	1	0.029	3	0.087

NTM: non-traversable median; TWLT: two-way left turn lane; F: fatal; P: property damage only; U: unknown; EPDO: equivalent property-damage only; Rate: collisions per MVMT (million vehicle mile traveled)

4. Curb-involved Collisions – 55 mph sites

Site No.	Speed Limit (mph)	Median Type	Segment Length (mile)	AADT (vehicle /day)	access point		Total Collisions																	
					Density (access point/mile)	Cate- gory	Severity								Road Condition				Light Condition				Total	
							F*	A	B	C	P*	U*	EPDO*	Rate*	Dry		Not Dry		Daylight		Dark			
															#	Rate*	#	Rate*	#	Rate*	#	Rate*	#	Rate*
3	55	NTM*	2.48	6833	5.65	Low	0	0	0	0	2	0	2.0	0.303	1	0.151	1	0.151	2	0.303	0	0.000	2	0.303
7	55	NTM*	0.86	20000	0	Low	0	0	0	1	1	0	9.4	0.499	0	0.000	2	0.106	1	0.053	1	0.053	2	0.106
48	55	NTM*	0.76	20000	7.89	Low	0	0	0	1	2	0	10.4	0.625	2	0.120	1	0.060	2	0.120	0	0.000	3	0.180
50	55	NTM*	1.9	18000	5.26	Low	0	0	0	3	5	0	30.2	0.806	7	0.187	1	0.027	4	0.107	3	0.080	8	0.214
64	55	NTM*	0.7	15500	0	Low	0	0	1	0	0	0	8.4	0.707	1	0.084	0	0.000	0	0.000	1	0.084	1	0.084
13	55	NTM*	2.2	57138	17.27	High	0	1	5	11	19	4	230.2	1.672	17	0.124	23	0.167	24	0.174	13	0.094	40	0.291
6	55	TWLTL*	1.11	17000	4.5	Low	0	0	1	1	1	0	17.8	0.861	2	0.097	1	0.048	2	0.097	1	0.048	3	0.145
19	55	TWLTL*	0.98	19833	13.27	Low	0	1	2	0	1	0	94.6	4.445	0	0.000	4	0.188	3	0.141	1	0.047	4	0.188
27	55	TWLTL*	0.7	22500	7.14	Low	0	0	3	0	1	0	26.2	1.519	4	0.232	0	0.000	3	0.174	0	0.000	4	0.232
63	55	TWLTL*	1.35	12000	4.44	Low	1	0	3	2	1	0	119.8	6.753	5	0.282	1	0.056	4	0.225	3	0.169	7	0.395
73	55	TWLTL*	3	13000	9.33	Low	1	0	2	2	10	0	120.4	2.819	10	0.234	5	0.117	7	0.164	8	0.187	15	0.351
11	55	TWLTL*	1.46	13667	22.6	High	0	0	1	2	2	1	27.2	1.245	5	0.229	1	0.046	3	0.137	2	0.092	6	0.275
21	55	TWLTL*	0.35	16667	31.43	High	0	0	0	0	0	0	0.0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
23	55	TWLTL*	2.07	16000	18.36	High	1	0	3	7	5	1	165.8	4.572	13	0.358	4	0.110	12	0.331	3	0.083	17	0.469
29	55	TWLTL*	1.6	35000	28.13	High	0	1	0	6	7	0	134.2	2.189	12	0.196	2	0.033	11	0.179	3	0.049	14	0.228
37	55	TWLTL*	0.9	10950	25.56	High	0	0	1	0	0	0	8.4	0.778	1	0.093	0	0.000	1	0.093	0	0.000	1	0.093
55	55	TWLTL*	1.1	12000	47.27	High	0	0	1	3	0	0	33.6	2.325	3	0.208	1	0.069	2	0.138	2	0.138	4	0.277
56	55	TWLTL*	1.6	19000	19.38	High	0	2	3	4	2	0	214.4	6.441	9	0.270	2	0.060	9	0.270	2	0.060	11	0.330
57	55	TWLTL*	1.8	14000	22.78	High	0	0	0	2	1	0	17.8	0.645	3	0.109	0	0.000	1	0.036	2	0.072	3	0.109
60	55	TWLTL*	0.4	28000	17.5	High	0	0	0	0	2	0	2.0	0.163	1	0.082	1	0.082	1	0.082	1	0.082	2	0.163
72	55	TWLTL*	0.6	13667	35	High	1	0	0	2	0	0	93.6	10.424	2	0.223	1	0.111	2	0.223	1	0.111	3	0.334

*NTM: non-traversable median; TWLTL: two-way left turn lane; F: fatal; P: property damage only; U: unknown; EPDO: equivalent property-damage only; Rate: collisions per MVMT (million vehicle mile traveled)

APPENDIX C

(Site Geometric and Speed Data)

Site	1				
Investigator	Jong-dae Baek		Date	07/01/2004	
County	Wake		Road name	Millbrook Rd.	
Location	North of I-440				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances	Horizontal curves				
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	14:00	Time of measurements	Start	12:45
	End	14:48		End	13:35
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	8 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 35°51.317' W 78°39.611'		Coordinate	N 35°51.356' W 78°39.692'	
Segment length	0.5 miles		Segment length	0.5 miles	
# of driveway	1		# of driveway	1	
Observed speed (mph) (# of sample: 336)	Mean	45.2	Observed speed (mph) (# of sample: 326)	Mean	45.8
	Median	45.5		Median	45.7
	85 th %	49.5		85 th %	50.3

Site	2				
Investigator	Jong-dae Baek		Date	07/01/2004	
County	Wake		Road name	NC-50 (Creedmoor Rd.)	
Location	North of I-440				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	09:50	Time of measurements	Start	11:00
	End	10:20		End	11:30
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 35°53.667' W 78°40.812'		Coordinate	N 35°53.755' W 78°40.840'	
Segment length	0.7 miles		Segment length	0.7 miles	
# of driveway	9		# of driveway	7	
Observed speed (mph) (# of sample: 337)	Mean	49.8	Observed speed (mph) (# of sample: 353)	Mean	48.7
	Median	50.0		Median	48.8
	85 th %	54.5		85 th %	53.0

Site	3				
Investigator	Jong-dae Baek		Date	03/08/2004	
County	Wilson		Road name	NC-42	
Location	East of I-95				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	09:32	Time of measurements	Start	11:00
	End	10:35		End	12:27
Level of platoon	N/A		Level of platoon	N/A	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°42.436' W 78°01.421'		Coordinate	N 35°42.436' W 78°01.421'	
Segment length	2.4 miles		Segment length	2.4 miles	
# of driveway	8		# of driveway	6	
Observed speed (mph) (# of sample: 172)	Mean	57.1	Observed speed (mph) (# of sample: 252)	Mean	54.7
	Median	56.8		Median	54.9
	85 th %	62.4		85 th %	59.3

Site	6				
Investigator	Jong-dae Baek		Date	03/12/2004	
County	Cumberland		Road name	US-401	
Location	0.5 miles north of Melstone Dr.				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Continuous Turn Lane		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Behind a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	10:05	Time of measurements	Start	11:20
	End	11:10		End	12:15
Level of platoon	High		Level of platoon	Medium	
Avg. platoon size (if high)	8 vehicles		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°10.417' W 78°51.573'		Coordinate	N 35°10.564' W 78°51.515'	
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway	2		# of driveway	3	
Observed speed (mph) (# of sample: 277)	Mean	54.9	Observed speed (mph) (# of sample: 269)	Mean	57.1
	Median	55.1		Median	56.8
	85 th %	59.7		85 th %	62.4

Site	7				
Investigator	Jong-dae Baek		Date	03/12/2004	
County	Cumberland		Road name	Us-401 Bus	
Location	0.5 miles from Ramsey St.				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Positive barrier		Shoulder width	11'	
Other circumstances	Curbs with guardrail				
Method of hiding speed gun		Behind a minivan			
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	14:02	Time of measurements	Start	14:52
	End	14:40		End	15:28
Level of platoon	N/A		Level of platoon	N/A	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°04.111' W 78°53.086'		Coordinate	N 35°04.111' W 78°53.086'	
Segment length	0.9 miles		Segment length	0.9 miles	
# of driveway	0		# of driveway	0	
Observed speed (mph) (# of sample: 279)	Mean	56.3	Observed speed (mph) (# of sample: 306)	Mean	56.9
	Median	55.9		Median	56.9
	85 th %	62.6		85 th %	63.4

Site	9				
Investigator	Jong-dae Baek		Date	03/26/2004	
County	Cumberland		Road name	NC-53	
Location	0.5 miles from US-24				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Speed limit change to 55 mph on eastbound				
Method of hiding speed gun			Side of a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	15:40	Time of measurements	Start	14:30
	End	16:20		End	15:13
Level of platoon	High		Level of platoon	Low	
Avg. platoon size (if high)	6 vehicles		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°02.366' W 78°50.892'		Coordinate	N 35°02.373' W 78°50.881'	
Segment length	0.8 miles		Segment length	0.8 miles	
# of driveway	5		# of driveway	4	
Observed speed (mph) (# of sample: 320)	Mean	48.2	Observed speed (mph) (# of sample: 296)	Mean	49.2
	Median	48.4		Median	49.1
	85 th %	53.4		85 th %	54.7

Site	10				
Investigator	Jong-dae Baek		Date	03/26/2004	
County	Cumberland		Road name	SR-1403	
Location	0.6 miles from Morganton Rd.				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Many private home and commercial property entry ways				
Method of hiding speed gun		Behind a minivan			
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	11:40	Time of measurements	Start	10:30
	End	12:23		End	11:08
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	12 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 35°05.528' W 79°00.641'		Coordinate	N 35°05.730' W 78°00.668'	
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway	10		# of driveway	10	
Observed speed (mph) (# of sample: 362)	Mean	44.7	Observed speed (mph) (# of sample: 309)	Mean	46.7
	Median	45.1		Median	46.6
	85 th %	49.7		85 th %	51.4

Site	11				
Investigator	Jason Havel		Date	04/01/2004	
County	Lenoir		Road name	NC-11 / NC-55	
Location	South of Kinston				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of station wagon		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	09:45	Time of measurements	Start	10:45
	End	10:45		End	11:45
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	1.4 miles		Segment length	1.4 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 290)	Mean	54.2	Observed speed (mph) (# of sample: 309)	Mean	54.1
	Median	54.3		Median	54.3
	85 th %	59.1		85 th %	59.0

Site	12				
Investigator	Jason Havel		Date	04/01/2004	
County	Lenoir		Road name	NC-11 / NC-55	
Location	South of Kinston				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Speed limit change at south end of section				
Method of hiding speed gun			Back of station wagon		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	14:00	Time of measurements	Start	15:00
	End	14:45		End	15:40
Level of platoon	Low		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	1.7 miles		Segment length	1.7 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 303)	Mean	51.1	Observed speed (mph) (# of sample: 305)	Mean	50.5
	Median	50.9		Median	50.8
	85 th %	55.9		85 th %	54.6

Site	13				
Investigator	Jong-dae Baek		Date	04/16/2004	
County	Guilford		Road name	US-29	
Location	3.5 miles north from I-40				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Positive barrier		Shoulder width	N/A	
Other circumstances	Continuous acceleration and deceleration lanes				
Method of hiding speed gun		Behind a minivan			
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	11:30	Time of measurements	Start	12:50
	End	12:05		End	13:15
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	12 vehicles	
Note			Note		
Coordinate	N 35°04.900' W 79°46.029'		Coordinate	N 36°05.651' W 79°45.945'	
Segment length	2.2 miles		Segment length	2.2 miles	
# of driveway	19		# of driveway	19	
Observed speed (mph) (# of sample: 388)	Mean	58.8	Observed speed (mph) (# of sample: 409)	Mean	58.7
	Median	59.0		Median	58.4
	85 th %	64.2		85 th %	63.8

Site	15				
Investigator	Jong-dae Baek		Date	04/16/2004	
County	Guilford		Road name	US-70	
Location	1.6 miles east from US-29				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a car		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	14:15	Time of measurements	Start	15:30
	End	14:55		End	16:03
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	8 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 36°05.253' W 79°44.081'		Coordinate	N 36°05.271' W 79°44.103'	
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway	12		# of driveway	6	
Observed speed (mph) (# of sample: 401)	Mean	52.4	Observed speed (mph) (# of sample: 390)	Mean	52.0
	Median	52.3		Median	52.6
	85 th %	56.6		85 th %	57.2

Site	16				
Investigator	Jong-dae Baek		Date	05/13/2004	
County	Guilford		Road name	SR-1541(W. Wendover)	
Location	2.5 miles south from I-40				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Behind a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	12:00	Time of measurements	Start	10:45
	End	12:37		End	11:22
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	20 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 36°02.462' W 79°56.231'		Coordinate	N 36°02.578' W 79°56.003'	
Segment length	0.8 miles		Segment length	0.8 miles	
# of driveway	4		# of driveway	2	
Observed speed (mph) (# of sample: 473)	Mean	51.6	Observed speed (mph) (# of sample: 356)	Mean	52.3
	Median	51.7		Median	52.2
	85 th %	55.7		85 th %	56.6

Site	19				
Investigator	Jong-dae Baek		Date	05/14/2004	
County	Randolph		Road name	US-64	
Location	0.4 miles west from E. Presnell St.				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	New pavement, and the hight of curbs is less than 6" because of repavement				
Method of hiding speed gun		Back of a car			
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	11:00	Time of measurements	Start	10:10
	End	11:36		End	10:43
Level of platoon	High		Level of platoon	Medium	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°42.672' W 79°46.347'		Coordinate	N 35°42.703' W 79°46.303'	
Segment length	0.98 miles		Segment length	0.98 miles	
# of driveway	8		# of driveway	5	
Observed speed (mph) (# of sample: 344)	Mean	55.7	Observed speed (mph) (# of sample: 373)	Mean	51.6
	Median	55.9		Median	51.2
	85 th %	60.3		85 th %	56.9

Site	20				
Investigator	Jong-dae Baek		Date	05/14/2004	
County	Randolph		Road name	US-64	
Location	0.4 miles east from Loflin Pond Rd.				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a car		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	14:00	Time of measurements	Start	13:10
	End	14:37		End	13:43
Level of platoon	High		Level of platoon	Medium	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	N/A	
Note	Measuring oncoming vehicles		Note		
Coordinate	N 35°43.492' W 79°43.951'		Coordinate	N 35°43.492' W 79°43.951'	
Segment length	0.69 miles		Segment length	0.69 miles	
# of driveway	5		# of driveway	4	
Observed speed (mph) (# of sample: 390)	Mean	53.2	Observed speed (mph) (# of sample: 358)	Mean	51.3
	Median	53.6		Median	51.1
	85 th %	58.4		85 th %	55.8

Site	21				
Investigator	Jason Havel		Date	04/02/2004	
County	Beaufort		Road name	US-264	
Location	West of Washington, NC				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Curbs end on west end of section and speed limit change on east end of section				
Method of hiding speed gun			Back of station wagon		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	11:15	Time of measurements	Start	10:35
	End	11:45		End	11:10
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	0.35 miles		Segment length	0.35 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 304)	Mean	55.9	Observed speed (mph) (# of sample: 304)	Mean	55.0
	Median	56.0		Median	55.4
	85 th %	60.1		85 th %	59.9

Site	22				
Investigator	Jason Havel		Date	04/02/2004	
County	Beaufort		Road name	US-264	
Location	Eastern Washington, NC				
Direction			Speed Limit	45 mph	
Total			Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a station wagon		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	13:40	Time of measurements	Start	14:30
	End	14:20		End	15:10
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	0.7 miles		Segment length	0.7 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 305)	Mean	46.9	Observed speed (mph) (# of sample: 306)	Mean	50.7
	Median	46.6		Median	51.0
	85 th %	52.4		85 th %	56.1

Site	23				
Investigator	Jong-dae Baek		Date	04/01/2004	
County	Onslow		Road name	US-258	
Location	3.4 miles north from end point of US-258				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	13:30	Time of measurements	Start	14:40
	End	14:17		End	15:24
Level of platoon	Medium		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 34°46.868' W 77°29.672'		Coordinate	N 34°46.718' W 77°29.654'	
Segment length	2.0 miles		Segment length	2.0 miles	
# of driveway	25		# of driveway	13	
Observed speed (mph) (# of sample: 318)	Mean	57.8	Observed speed (mph) (# of sample: 330)	Mean	55.1
	Median	57.9		Median	55.6
	85 th %	62.4		85 th %	61.0

Site	24				
Investigator	Jong-dae Baek	Date		04/01/2004	
County	Onslow	Road name		US-258	
Location	Just north of NC-53				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
North bound		South bound			
					
					
Time of measurements	Start	10:45	Time of measurements	Start	12:05
	End	11:30		End	12:50
Level of platoon	Medium		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 34°45.557' W 77°28.995'		Coordinate	N 34°45.598' W 77°29.086'	
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway	11		# of driveway	9	
Observed speed (mph) (# of sample: 317)	Mean	50.2	Observed speed (mph) (# of sample: 340)	Mean	52.3
	Median	50.3		Median	52.1
	85 th %	54.6		85 th %	57.1

Site	25				
Investigator	Jong-dae Baek		Date	04/02/2004	
County	Onslow		Road name	SR-1308 (Gum Branch Rd)	
Location	North of Indian Dr.				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	10:50	Time of measurements	Start	12:10
	End	11:40		End	12:53
Level of platoon	High		Level of platoon	Medium	
Avg. platoon size (if high)	6 vehicles		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 34°47.390' W 77°25.838'		Coordinate	N 34°47.476' W 77°25.949'	
Segment length	1.0 miles		Segment length	1.0 miles	
# of driveway	4		# of driveway	3	
Observed speed (mph) (# of sample: 327)	Mean	47.8	Observed speed (mph) (# of sample: 323)	Mean	48.1
	Median	48.0		Median	48.1
	85 th %	51.5		85 th %	52.9

Site	27				
Investigator	Jong-dae Baek		Date	05/21/2004	
County	Pender		Road name	US-17	
Location	0.6 miles south from NC-210				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Median change to grass type on southbound and speed limit change to 45 mph on northbound				
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	11:50	Time of measurements	Start	10:55
	End	12:24		End	11:26
Level of platoon	Medium		Level of platoon	High	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	10 vehicles	
Note	Measuring oncoming vehicles		Note		
Coordinate	N 34°21.512' W 77°43.229'		Coordinate	N 34°21.512' W 77°43.229'	
Segment length	0.6 miles		Segment length	0.6 miles	
# of driveway	4		# of driveway	1	
Observed speed (mph) (# of sample: 350)	Mean	57.4	Observed speed (mph) (# of sample: 336)	Mean	57.1
	Median	57.8		Median	57.1
	85 th %	62.5		85 th %	61.7

Site	28				
Investigator	Jong-dae Baek		Date	05/21/2004	
County	Pender		Road name	US-17	
Location	2 miles north from the split point of US-17 and NC-210				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	13:50	Time of measurements	Start	14:45
	End	14:28		End	15:20
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	15 vehicles	
Note			Note		
Coordinate	N 34°23.083' W 77°41.425'		Coordinate	N 34°23.083' W 77°41.425'	
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway	8		# of driveway	8	
Observed speed (mph) (# of sample: 486)	Mean	55.3	Observed speed (mph) (# of sample: 517)	Mean	54.9
	Median	55.3		Median	54.7
	85 th %	60.4		85 th %	59.7

Site	29				
Investigator	Jason Havel		Date	04/08/2004	
County	New Hanover		Road name	Market St./US-17	
Location	Wilmington, NC				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	10:20	Time of measurements	Start	10:55
	End	10:45		End	11:15
Level of platoon	Medium		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 34°17.291' W 77°47.575'		Coordinate	N 34°17.239' W 77°48.051'	
Segment length	1.6 miles		Segment length	1.6 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 318)	Mean	54.1	Observed speed (mph) (# of sample: 324)	Mean	54.2
	Median	54.2		Median	53.8
	85 th %	59.3		85 th %	58.7

Site	30				
Investigator	Jason Havel		Date	04/08/2004	
County	New Hanover		Road name	Carolina Beach Rd/US-421	
Location	Wilmington, NC				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	14:15	Time of measurements	Start	13:35
	End	14:40		End	14:05
Level of platoon	Medium		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 34°10.496' W 77°55.414'		Coordinate	N 34°10.496' W 77°55.414'	
Segment length	0.7 miles		Segment length	0.7 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 197)	Mean	45.5	Observed speed (mph) (# of sample: 311)	Mean	45.7
	Median	45.6		Median	45.7
	85 th %	49.8		85 th %	49.3

Site	32				
Investigator	Jong-dae Baek		Date	07/22/2004	
County	Currituck		Road name	US-158(Caratoke Hwy.)	
Location	2 miles south from the junction of US-158 and NC-168				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	No curb from Travis Ct. on eastbound				
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	09:45	Time of measurements	Start	11:25
	End	09:53		End	12:00
Level of platoon	Medium		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 36°21.587' W 75°57.810'		Coordinate	N 36°21.572' W 75°57.773'	
Segment length	1.3 miles		Segment length	1.3 miles	
# of driveway	4		# of driveway	2	
Observed speed (mph) (# of sample: 420)	Mean	51.2	Observed speed (mph) (# of sample: 343)	Mean	53.6
	Median	51.3		Median	53.4
	85 th %	55.3		85 th %	58.4

Site	35				
Investigator	Jong-dae Baek		Date	06/10/2004	
County	Gaston		Road name	SR-1255(E Hudson Blvd.)	
Location	Between Union Rd. (NC-274) and Neal Hawkins Rd.				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances	Curbs with guardrail for parts				
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	11:45	Time of measurements	Start	12:50
	End	12:34		End	13:41
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	6 vehicles		Avg. platoon size (if high)	8 vehicles	
Note			Note		
Coordinate	N 35°13.897' W 81°10.879'		Coordinate	N 35°13.926' W 81°10.705'	
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway	3		# of driveway	5	
Observed speed (mph) (# of sample: 320)	Mean	51.5	Observed speed (mph) (# of sample: 315)	Mean	48.1
	Median	51.5		Median	48.2
	85 th %	55.9		85 th %	52.5

Site	37				
Investigator	Jong-dae Baek		Date	06/10/2004	
County	Gaston		Road name	NC-150	
Location	East of NC-279				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Curbs end at the end of the eastbound section and speed limit change to 45 mph on westbound				
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	15:45	Time of measurements	Start	14:30
	End	16:47		End	15:22
Level of platoon	Medium		Level of platoon	High	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	6 vehicles	
Note			Note		
Coordinate	N 35°23.726' W 81°20.650'		Coordinate	N 35°23.727' W 81°20.672'	
Segment length	0.9 miles		Segment length	0.9 miles	
# of driveway	9		# of driveway	12	
Observed speed (mph) (# of sample: 323)	Mean	52.3	Observed speed (mph) (# of sample: 336)	Mean	52.3
	Median	52.7		Median	52.2
	85 th %	57.7		85 th %	57.3

Site	40			
Investigator	Jong-dae Baek		Date	05/26/2004
County	Mecklenburg		Road name	NC-16 (Providence Rd.)
Location	Just north of NC-51			
Direction	North and South		Speed Limit	45 mph
Total	4		Curb type	Std. 6"
Lane width	Inner	12'	Outer	12'
Median type	Grass		Shoulder width	N/A
Other circumstances				
Method of hiding speed gun			In a minivan	
Pictures for the site by each direction				
North bound			South bound	
			N/A	
Time of measurements			Time of measurements	
Start 15:45 End 16:17			Start 16:25 End 16:41	
Level of platoon			Level of platoon	
High			High	
Avg. platoon size (if high)			Avg. platoon size (if high)	
5 vehicles			Over 20 vehicles	
Note			Note	
Coordinate			Coordinate	
N 35°10.331' W 80°54.025'			N 35°10.331' W 80°54.025'	
Segment length			Segment length	
1.1 miles			1.1 miles	
# of driveway			# of driveway	
5			8	
Observed speed (mph)			Observed speed (mph)	
# of sample: 317			# of sample: 383	
Mean 50.4			Mean 51.0	
Median 50.4			Median 51.1	
85 th % 55.2			85 th % 55.5	

Site	42				
Investigator	Jong-dae Baek		Date	05/26/2004	
County	Mecklenburg		Road name	NC-49 (S Tryon St.)	
Location	One mile south from I-77				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Curb		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	11:10	Time of measurements	Start	09:30
	End	12:12		End	10:32
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	5 vehicles	
Note			Note		
Coordinate	N 35°10.327' W 80°54.032'		Coordinate	N 35°10.415' W 80°53.893'	
Segment length	0.8 miles		Segment length	0.8 miles	
# of driveway	6		# of driveway	7	
Observed speed (mph) (# of sample: 323)	Mean	45.7	Observed speed (mph) (# of sample: 290)	Mean	47.4
	Median	45.7		Median	47.3
	85 th %	50.3		85 th %	51.6

Site	44				
Investigator	Jong-dae Baek	Date		05/26/2004	
County	Mecklenburg	Road name		NC-51	
Location	0.7 miles east from NC-16				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
East bound		West bound			
					
					
Time of measurements	Start	14:25	Time of measurements	Start	15:05
	End	14:50		End	15:25
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	15 vehicles		Avg. platoon size (if high)	Over 20 vehicles	
Note			Note		
Coordinate	N 35°06.270' W 80°46.315'		Coordinate	N 35°06.270' W 80°46.315'	
Segment length	0.7 miles		Segment length	0.7 miles	
# of driveway	2		# of driveway	2	
Observed speed (mph) (# of sample: 330)	Mean	45.7	Observed speed (mph) (# of sample: 314)	Mean	46.6
	Median	45.5		Median	46.6
	85 th %	49.6		85 th %	51.0

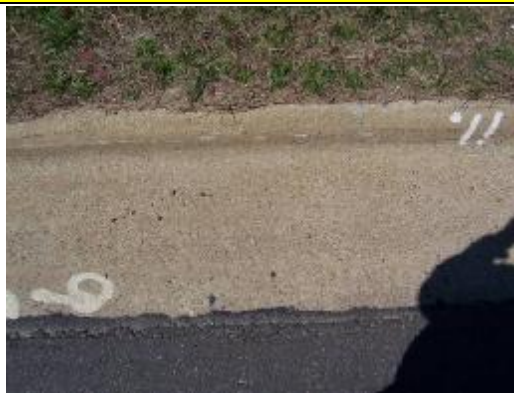
Site	48				
Investigator	Jong-dae Baek		Date	05/25/2004	
County	Mecklenburg		Road name	US-29	
Location	0.1 miles east from Gaston county limit				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Curb		Shoulder width	N/A	
Other circumstances	3 lanes with curbs on eastbound street and 2 lanes without curb on westbound one				
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	13:05	Time of measurements	Start	16:00
	End	13:45		End	16:43
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	4 vehicles		Avg. platoon size (if high)	8 vehicles	
Note			Note		
Coordinate	N 35°14.549' W 81°00.106'		Coordinate	N 35°14.609' W 81°00.133'	
Segment length	0.5 miles		Segment length	0.5 miles	
# of driveway	2		# of driveway	4	
Observed speed (mph) (# of sample: 331)	Mean	50.1	Observed speed (mph) (# of sample: 363)	Mean	55.3
	Median	50.0		Median	55.0
	85 th %	55.3		85 th %	59.5

Site	49				
Investigator	Jong-dae Baek		Date	06/09/2004	
County	Mecklenburg		Road name	NC-24/27	
Location	Charlotte, NC				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
N/A					
N/A					
Time of measurements	Start	14:51	Time of measurements	Start	14:03
	End	15:32		End	14:35
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	12 vehicles		Avg. platoon size (if high)	12 vehicles	
Note			Note		
Coordinate	N 35°12.639' W 80°41.980'		Coordinate	N 35°12.639' W 80°41.980'	
Segment length	1.6 miles		Segment length	1.6 miles	
# of driveway	8		# of driveway	9	
Observed speed (mph) (# of sample: 357)	Mean	50.0	Observed speed (mph) (# of sample: 384)	Mean	49.6
	Median	49.9		Median	49.4
	85 th %	54.0		85 th %	54.7

Site	50				
Investigator	Jong-dae Baek		Date	06/09/2004	
County	Mecklenburg / Cabarrus		Road name	NC-24/27	
Location	Just west of Mecklenburg county limit				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	11:45	Time of measurements	Start	10:30
	End	12:36		End	11:18
Level of platoon	Low		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°13.725' W 80°36.511'		Coordinate	N 35°13.800' W 80°36.448'	
Segment length	1.9 miles		Segment length	1.9 miles	
# of driveway	5		# of driveway	5	
Observed speed (mph) (# of sample: 325)	Mean	57.7	Observed speed (mph) (# of sample: 321)	Mean	56.1
	Median	57.9		Median	56.6
	85 th %	62.3		85 th %	61.7

Site	51				
Investigator	Jong-dae Baek		Date	05/27/2004	
County	Mecklenburg		Road name	NC-24 (Haris Blvd.)	
Location	Just north of Albemarle Rd.				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	11:10	Time of measurements	Start	10:10
	End	11:42		End	10:51
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	8 vehicles	
Note			Note		
Coordinate	N 35°12.747' W 80°43.569'		Coordinate	N 35°12.640' W 80°43.556'	
Segment length	1.4 miles		Segment length	1.4 miles	
# of driveway	14		# of driveway	12	
Observed speed (mph) (# of sample: 383)	Mean	48.5	Observed speed (mph) (# of sample: 345)	Mean	46.2
	Median	48.6		Median	46.3
	85 th %	52.6		85 th %	49.7

Site	55				
Investigator	Jason Havel		Date	03/11/2004	
County	Buncombe		Road name	US-70	
Location	Near Swannanoa, NC				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	A lot of driveways				
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
East bound			West bound		
N/A					
					
Time of measurements	Start	09:15	Time of measurements	Start	10:30
	End	10:20		End	11:30
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	1.1 miles		Segment length	1.1 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 283)	Mean	51.6	Observed speed (mph) (# of sample: 301)	Mean	50.3
	Median	51.9		Median	50.5
	85 th %	56.9		85 th %	56.0

Site	56				
Investigator	Jason Havel		Date	03/11/2004	
County	Buncombe		Road name	US-70	
Location					
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Eastbound vehicles measured from front due to lack of parking locations				
Method of hiding speed gun					
Pictures for the site by each direction					
East bound			West bound		
N/A 					
					
Time of measurements	Start	14:35	Time of measurements	Start	13:20
	End	15:25		End	14:15
Level of platoon	Medium		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	1.6 miles		Segment length	1.6 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 428)	Mean	56.2	Observed speed (mph) (# of sample: 450)	Mean	55.4
	Median	56.4		Median	55.5
	85 th %	61.1		85 th %	60.3

Site	57				
Investigator	Jason Havel		Date	03/12/2004	
County	Buncombe		Road name	US-70	
Location	West of Black Mountain, NC				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
East bound			West bound		
			N/A 		
Time of measurements	Start	13:15	Time of measurements	Start	14:30
	End	14:15		End	15:25
Level of platoon	Medium		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	1.8 miles		Segment length	1.8 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 337)	Mean	54.9	Observed speed (mph) (# of sample: 420)	Mean	54.4
	Median	55.1		Median	54.6
	85 th %	60.1		85 th %	59.3

Site	58				
Investigator	Jason Havel		Date	03/10/2004	
County	Buncombe		Road name	NC-63	
Location	Asheville, NC				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	A lot of driveways and businesses				
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
East bound			West bound		
			N/A 		
Time of measurements	Start	10:30	Time of measurements	Start	09:15
	End	11:30		End	10:15
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	0.5 miles		Segment length	0.5 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 341)	Mean	47.9	Observed speed (mph) (# of sample: 327)	Mean	47.2
	Median	47.6		Median	47.0
	85 th %	53.5		85 th %	52.6

Site	59				
Investigator	Jason Havel		Date	03/10/2004	
County	Buncombe		Road name	NC-63	
Location	Asheville, NC				
Direction	East and West		Speed Limit	45 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	A lot of driveways and businesses				
Method of hiding speed gun					
Pictures for the site by each direction					
East bound			West bound		
N/A 					
					
Time of measurements	Start	14:20	Time of measurements	Start	13:25
	End	15:10		End	14:10
Level of platoon	Low		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	0.9 miles		Segment length	0.9 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 468)	Mean	51.4	Observed speed (mph) (# of sample: 384)	Mean	49.4
	Median	51.4		Median	49.2
	85 th %	56.3		85 th %	54.2

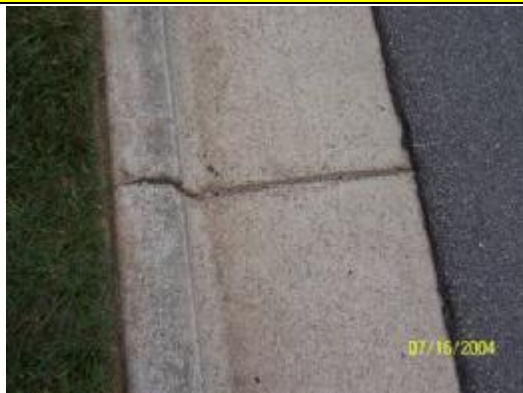
Site	60				
Investigator	Jason Havel		Date	03/12/2004	
County	Buncombe		Road name	NC-280	
Location	Asheville, NC				
Direction	North and South		Speed Limit	55 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Length of section less than ½ mile and curbs end on the end of southbound street				
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
North bound			South bound		
			N/A 		
Time of measurements	Start	10:30	Time of measurements	Start	09:30
	End	11:20		End	10:15
Level of platoon	Low		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	0.4 miles		Segment length	0.4 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 472)	Mean	51.2	Observed speed (mph) (# of sample: 296)	Mean	53.8
	Median	51.1		Median	54.1
	85 th %	56.2		85 th %	58.9

Site	61				
Investigator	Jason Havel		Date	03/09/2004	
County	Catawba		Road name	NC-127	
Location	Hickory, NC				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
North bound			South bound		
			N/A		
					
					
Time of measurements	Start	09:10	Time of measurements	Start	10:20
	End	10:10		End	11:20
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	1.3 miles		Segment length	1.3 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 261)	Mean	45.5	Observed speed (mph) (# of sample: 188)	Mean	48.1
	Median	45.3		Median	48.4
	85 th %	49.8		85 th %	53.3

Site	62				
Investigator	Jason Havel		Date	03/09/2004	
County	Catawba		Road name	NC-127	
Location					
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type		
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			Back of a minivan		
Pictures for the site by each direction					
North bound			South bound		
N/A					
Time of measurements	Start	13:20	Time of measurements	Start	14:30
	End	14:20		End	15:30
Level of platoon	Low		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate			Coordinate		
Segment length	0.6 miles		Segment length	0.6 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 347)	Mean	48.6	Observed speed (mph) (# of sample: 385)	Mean	48.0
	Median	48.7		Median	48.2
	85 th %	53.4		85 th %	51.9

Site	63				
Investigator	Jong-dae Baek		Date	04/02/2004	
County	Onslow		Road name	NC-24	
Location	East of the split point of NC-24 and US-258				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Many private driveways				
Method of hiding speed gun					
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	13:35	Time of measurements	Start	15:07
	End	14:21		End	15:54
Level of platoon	High		Level of platoon	Medium	
Avg. platoon size (if high)	5 vehicles		Avg. platoon size (if high)	N/A	
Note			Note	Measuring oncoming vehicles	
Coordinate	N 34°54.703' W 77°34.834'		Coordinate	N 34°54.703' W 77°34.834'	
Segment length	1.6 miles		Segment length	1.6 miles	
# of driveway	3		# of driveway	3	
Observed speed (mph) (# of sample: 327)	Mean	58.2	Observed speed (mph) (# of sample: 340)	Mean	57.2
	Median	58.4		Median	57.5
	85 th %	62.7		85 th %	61.9

Site	64				
Investigator	Jong-dae Baek		Date	05/27/2004	
County	Mecklenburg		Road name	NC-24/27	
Location	Just east of I-485				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	14:40	Time of measurements	Start	13:30
	End	15:21		End	14:14
Level of platoon	Medium		Level of platoon	Medium	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note	Measuring oncoming vehicles	
Coordinate	N 35°13.375' W 80°38.466'		Coordinate	N 35°13.427' W 80°38.188'	
Segment length	0.7 miles		Segment length	0.7 miles	
# of driveway			# of driveway		
Observed speed (mph) (# of sample: 359)	Mean	54.8	Observed speed (mph) (# of sample: 337)	Mean	54.9
	Median	54.7		Median	55.2
	85 th %	59.9		85 th %	59.8

Site	65						
Investigator	Jong-dae Baek	Date		07/16/2004			
County	Wake	Road name		Cary Pkwy.			
Location	Cary, NC						
Direction	East and West		Speed Limit	45 mph			
Total	4		Curb type	Std. 6"			
Lane width	Inner	12'	Outer	12'			
Median type	Grass		Shoulder width	N/A			
Other circumstances	Many curve sections						
Method of hiding speed gun		In a minivan					
Pictures for the site by each direction							
East bound		West bound					
							
							
Time of measurements	Start	12:30		Time of measurements	Start	13:20	
	End	13:03			End	13:54	
Level of platoon	Medium		Level of platoon	Medium			
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A			
Note	Curbs on median		Note	Curbs on median			
Coordinate	N 35°46.112' W 78°49.825'		Coordinate	N 35°46.117' W 78°49.813'			
Segment length	1.1 miles		Segment length	1.1 miles			
# of driveway	6		# of driveway	5			
Observed speed (mph) (# of sample: 323)	Mean	46.4	Observed speed (mph) (# of sample: 321)	Mean	47.0		
	Median	47.0		Median	47.5		
	85 th %	50.8		85 th %	51.6		

Site	66				
Investigator	Jong-dae Baek	Date	07/02/2004		
County	Wake	Road name	N. Harrison Ave.		
Location	South of I-40				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
North bound		South bound			
					
					
Time of measurements	Start	14:00	Time of measurements	Start	13:00
	End	14:36		End	13:32
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 35°48.696' W 78°46.740'		Coordinate	N 35°48.838' W 78°46.602'	
Segment length	0.6 miles		Segment length	0.6 miles	
# of driveway	2		# of driveway	2	
Observed speed (mph) (# of sample: 345)	Mean	48.3	Observed speed (mph) (# of sample:355)	Mean	51.8
	Median	48.7		Median	51.6
	85 th %	52.7		85 th %	55.7

Site	67				
Investigator	Jong-dae Baek		Date	07/15/2004	
County	Wake		Road name	Edwards mill Rd.	
Location	South of Duraleigh Rd.				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	6'(Bike lane)	
Other circumstances	Bike lane on both side				
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	09:30	Time of measurements	Start	11:00
	End	10:31		End	11:58
Level of platoon	High		Level of platoon	Medium	
Avg. platoon size (if high)	5 vehicles		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°49.044' W 78°42.775'		Coordinate	N 35°49.263' W 78°42.642'	
Segment length	0.7 miles		Segment length	0.7 miles	
# of driveway	1		# of driveway	1	
Observed speed (mph) (# of sample: 324))	Mean	53.8	Observed speed (mph) (# of sample: 328)	Mean	52.4
	Median	53.6		Median	52.1
	85 th %	59.3		85 th %	57.0

Site	68				
Investigator	Jong-dae Baek	Date		07/02/2004	
County	Wake	Road name		NC-54 (Maynard Rd.)	
Location	Cary, NC				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
North bound		South bound			
					
					
Time of measurements	Start	09:57	Time of measurements	Start	11:50
	End	11:15		End	12:25
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	8 vehicles		Avg. platoon size (if high)	10 vehicles	
Note			Note		
Coordinate	N 35°47.907' W 78°45.921'		Coordinate	N ##°##.###' W 78°45.998'	
Segment length	0.5 miles		Segment length	0.5 miles	
# of driveway	0		# of driveway	1	
Observed speed (mph) (# of sample: 335)	Mean	46.1	Observed speed (mph) (# of sample: 359)	Mean	46.9
	Median	46.1		Median	46.8
	85 th %	50.9		85 th %	51.3

Site	70				
Investigator	Jong-dae Baek		Date	07/16/2004	
County	Wake		Road name	Kildaire farm Rd.	
Location	Cary, NC				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	09:50	Time of measurements	Start	10:50
	End	10:24		End	11:25
Level of platoon	High		Level of platoon	High	
Avg. platoon size (if high)	10 vehicles		Avg. platoon size (if high)	14 vehicles	
Note			Note		
Coordinate	N 35°45.015' W 78°46.963'		Coordinate	N 35°44.815' W 78°46.938'	
Segment length	1.0 miles		Segment length	1.0 miles	
# of driveway	11		# of driveway	8	
Observed speed (mph) (# of sample: 313)	Mean	44.6	Observed speed (mph) (# of sample: 318)	Mean	44.9
	Median	44.9		Median	44.9
	85 th %	48.7		85 th %	49.0

Site	72				
Investigator	Jong-dae Baek	Date		06/08/2004	
County	Montgomery	Road name		NC-24/27	
Location	1.1 miles west from US-220				
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Curbs end at the end of westbound street				
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
East bound		West bound			
					
					
Time of measurements	Start	12:23	Time of measurements	Start	11:08
	End	13:09		End	11:58
Level of platoon	Medium		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°21.362' W 79°48.529'		Coordinate	N 35°21.437' W 79°48.331'	
Segment length	0.6 miles		Segment length	0.6 miles	
# of driveway	9		# of driveway	12	
Observed speed (mph) (# of sample: 319)	Mean	55.2	Observed speed (mph) (# of sample: 325))	Mean	56.4
	Median	55.8		Median	56.4
	85 th %	60.0		85 th %	61.7

Site	73				
Investigator	Jong-dae Baek		Date	06/08/2004	
County	Cabarrus		Road name	NC-24/27	
Location					
Direction	East and West		Speed Limit	55 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	TWLTL		Shoulder width	N/A	
Other circumstances	Curbs end at the send of the westbound street				
Method of hiding speed gun		In a minivan			
Pictures for the site by each direction					
East bound			West bound		
					
					
Time of measurements	Start	15:00	Time of measurements	Start	16:00
	End	15:35		End	16:45
Level of platoon	Medium		Level of platoon	Low	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	N/A	
Note			Note		
Coordinate	N 35°14.972' W 80°31.833'		Coordinate	N 35°14.993' W 80°31.659'	
Segment length	3.0 miles		Segment length	3.0 miles	
# of driveway	11		# of driveway	8	
Observed speed (mph) (# of sample: 335)	Mean	56.8	Observed speed (mph) (# of sample: 303)	Mean	57.0
	Median	56.5		Median	57.2
	85 th %	61.5		85 th %	62.3

Site	74				
Investigator	Jong-dae Baek		Date	07/15/2004	
County	Wake		Road name	SR-2812 (Timber Rd.)	
Location	One mile south from US-70				
Direction	North and South		Speed Limit	45 mph	
Total	4		Curb type	Std. 6"	
Lane width	Inner	12'	Outer	12'	
Median type	Grass		Shoulder width	N/A	
Other circumstances					
Method of hiding speed gun			In a minivan		
Pictures for the site by each direction					
North bound			South bound		
					
					
Time of measurements	Start	15:05	Time of measurements	Start	14:00
	End	15:50		End	14:41
Level of platoon	Medium		Level of platoon	High	
Avg. platoon size (if high)	N/A		Avg. platoon size (if high)	7 vehicles	
Note			Note		
Coordinate	N 35°42.309' W 78°38.463'		Coordinate	N 35°42.417' W 78°38.479'	
Segment length	0.55 miles		Segment length	0.55 miles	
# of driveway	2		# of driveway	2	
Observed speed (mph) (# of sample: 334)	Mean	48.6	Observed speed (mph) (# of sample: 345)	Mean	47.2
	Median	48.4		Median	47.1
	85 th %	52.9		85 th %	51.0