

**EVALUATION OF RADAR SPEED
DISPLAY FOR MOBILE MAINTENANCE
OPERATIONS**

Appendices to Final Report

REPORT #OR-RD-16-09



Oregon Department of Transportation

EVALUATION OF RADAR SPEED DISPLAY FOR MOBILE MAINTENANCE

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by

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APPENDIX A

SENSOR TESTING AND ADJUSTMENT

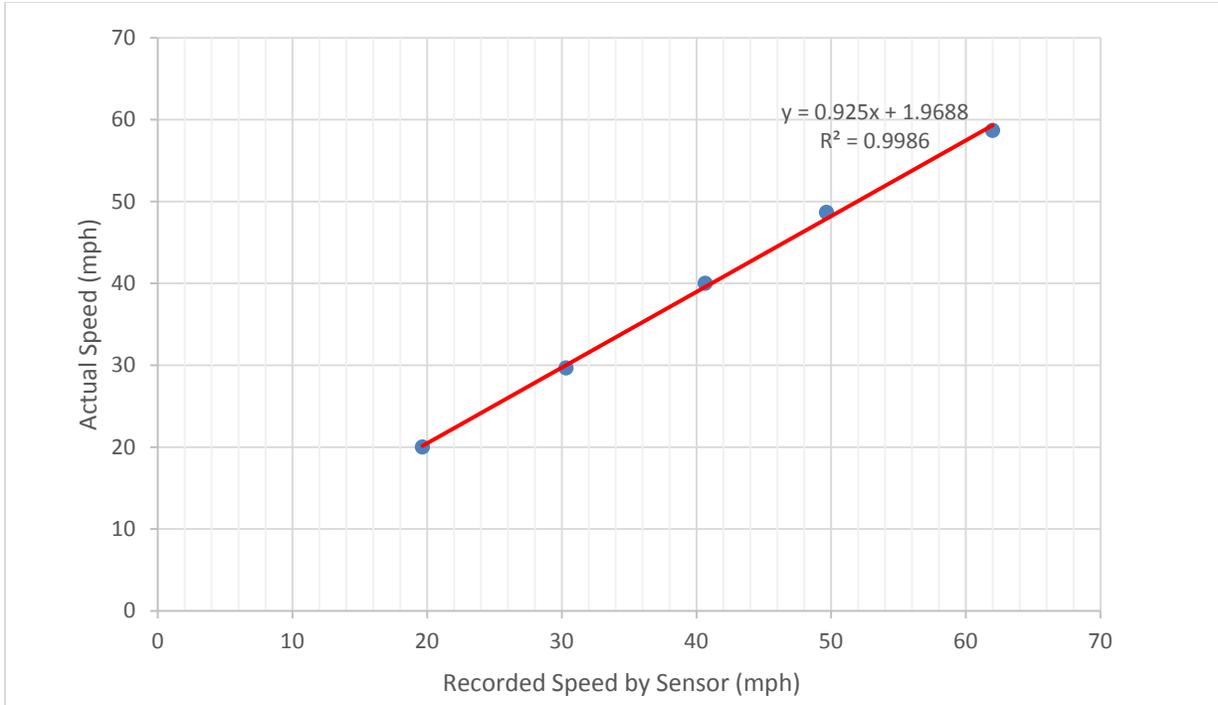


Figure A.1: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #101

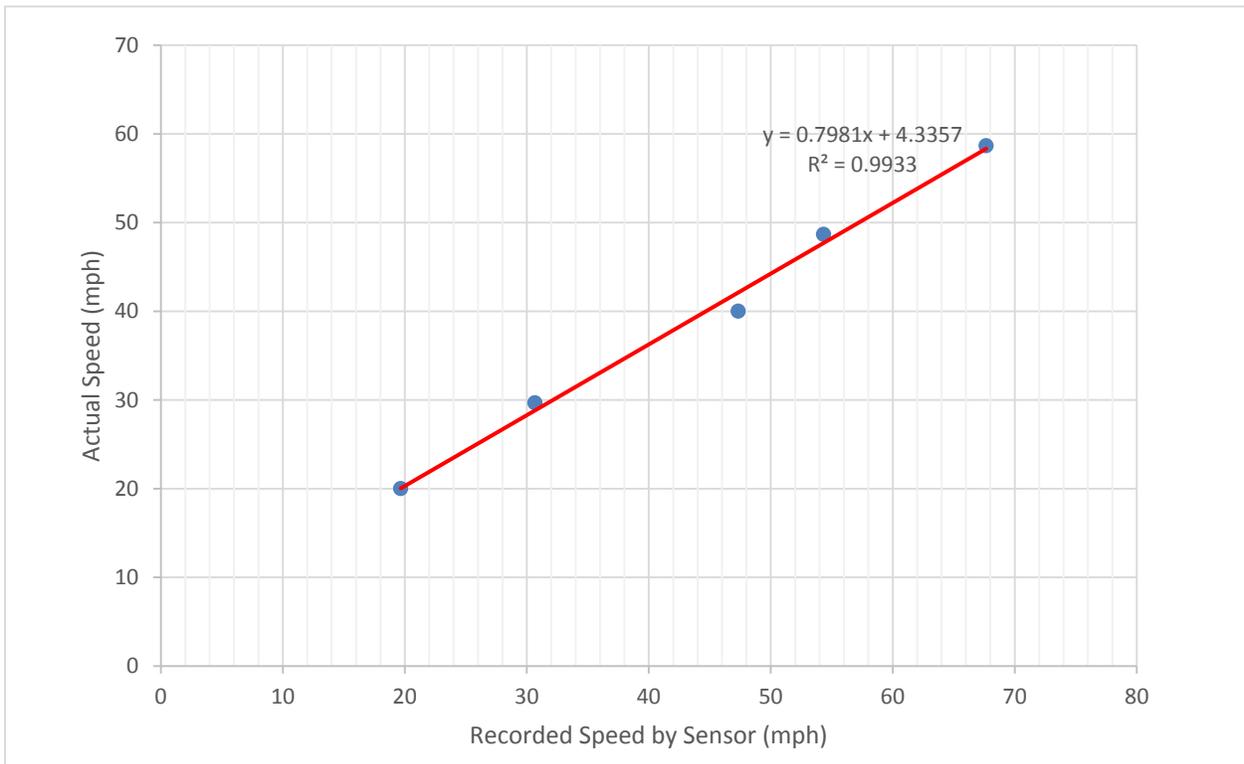


Figure A.2: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #102

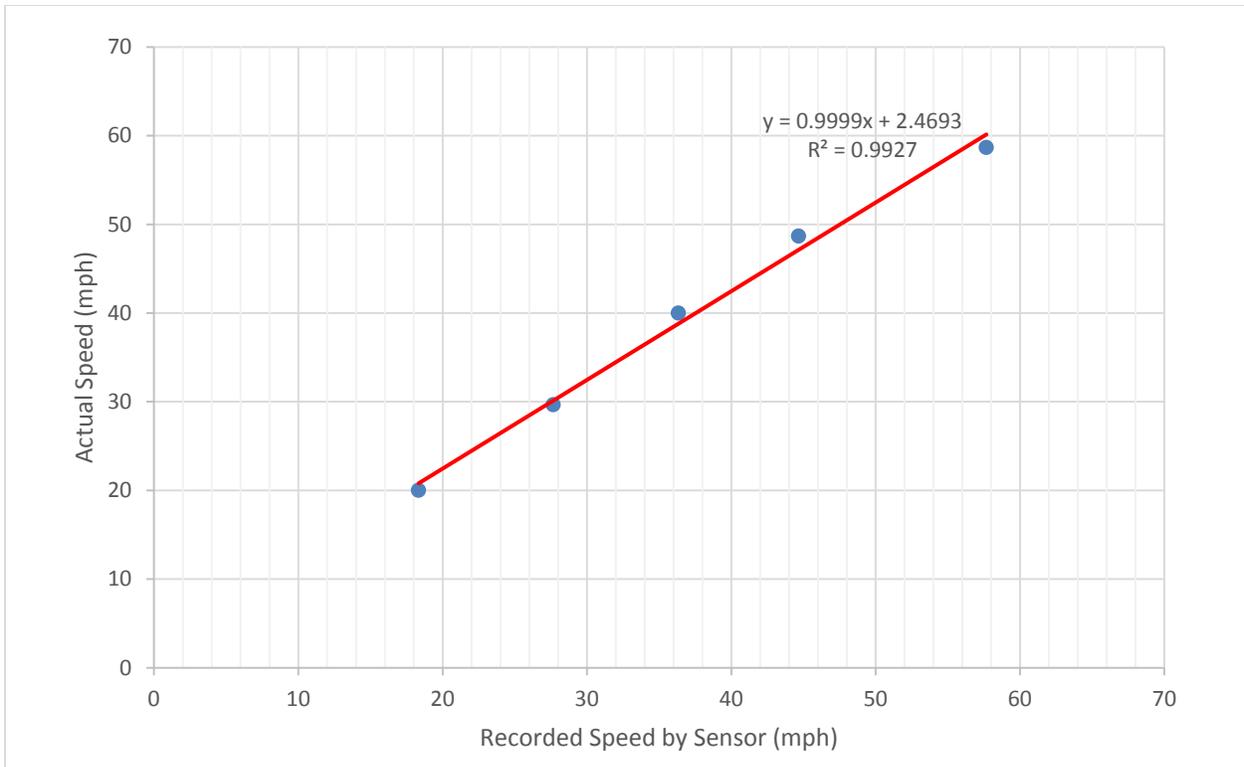


Figure A.3: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #103

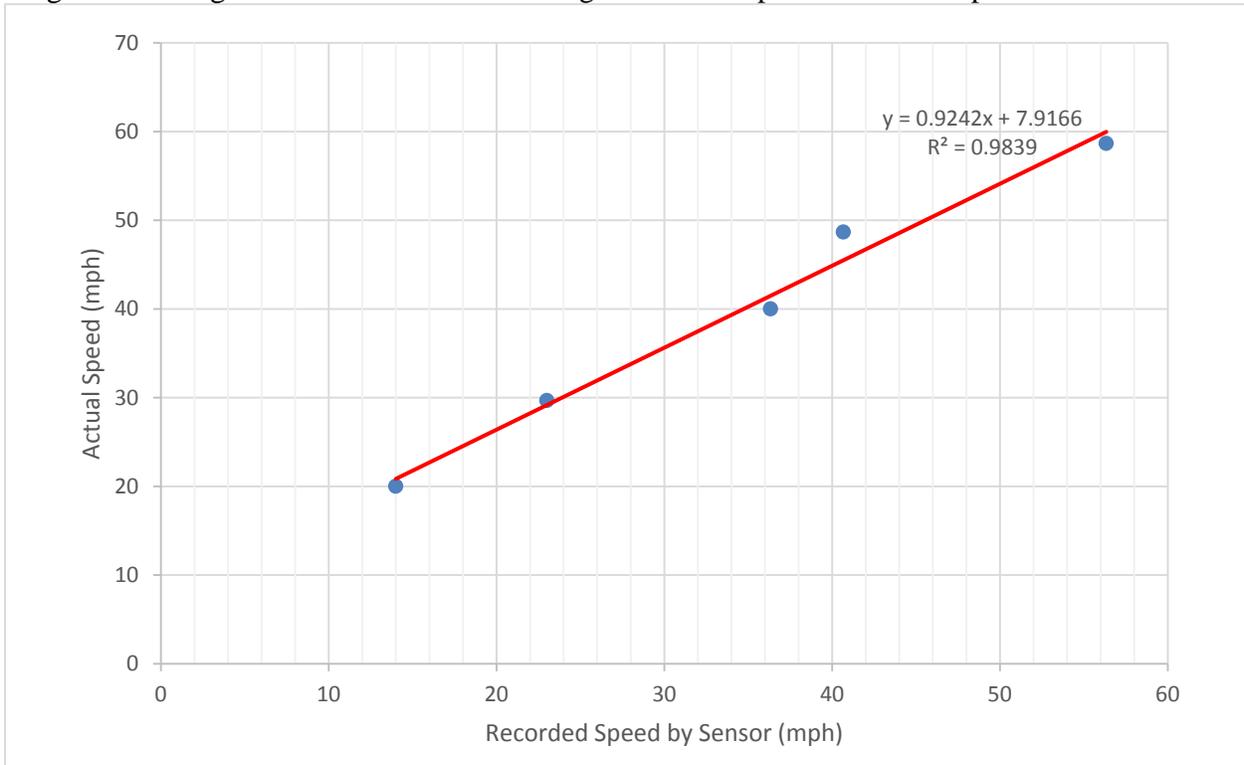


Figure A.4: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #104

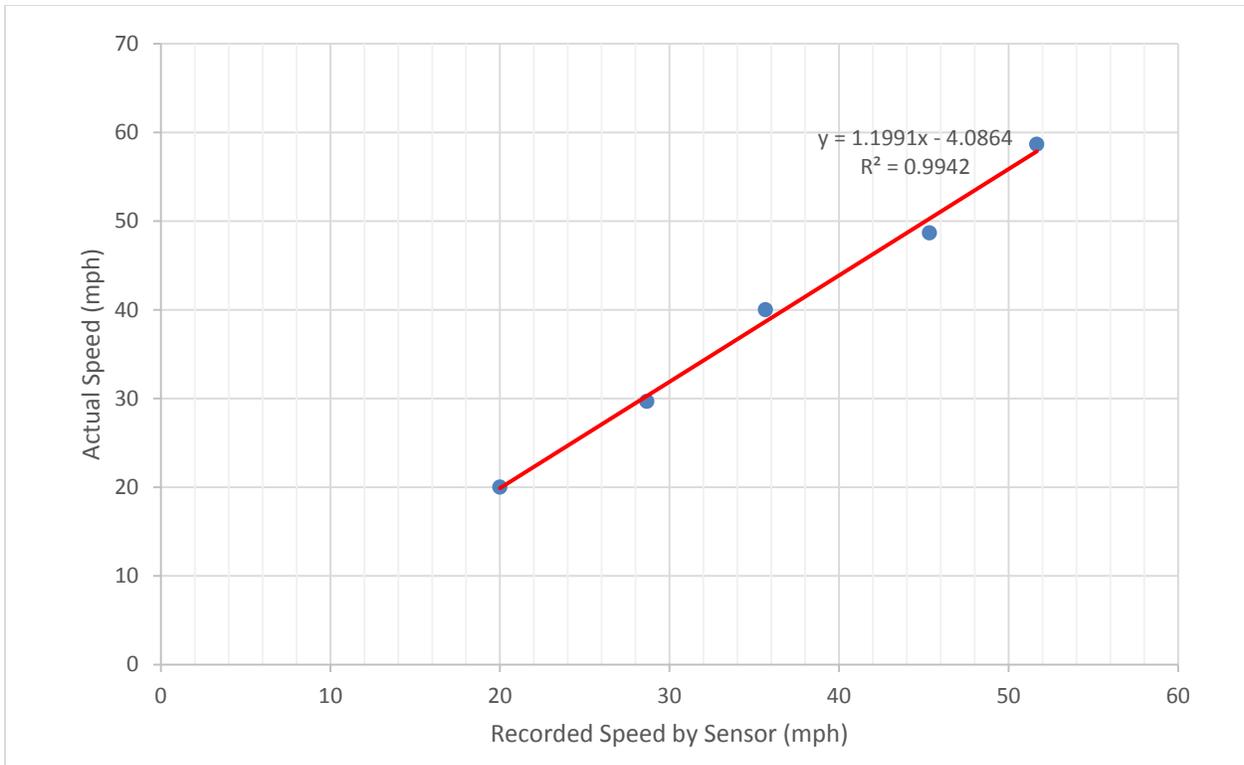


Figure A.5: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #105

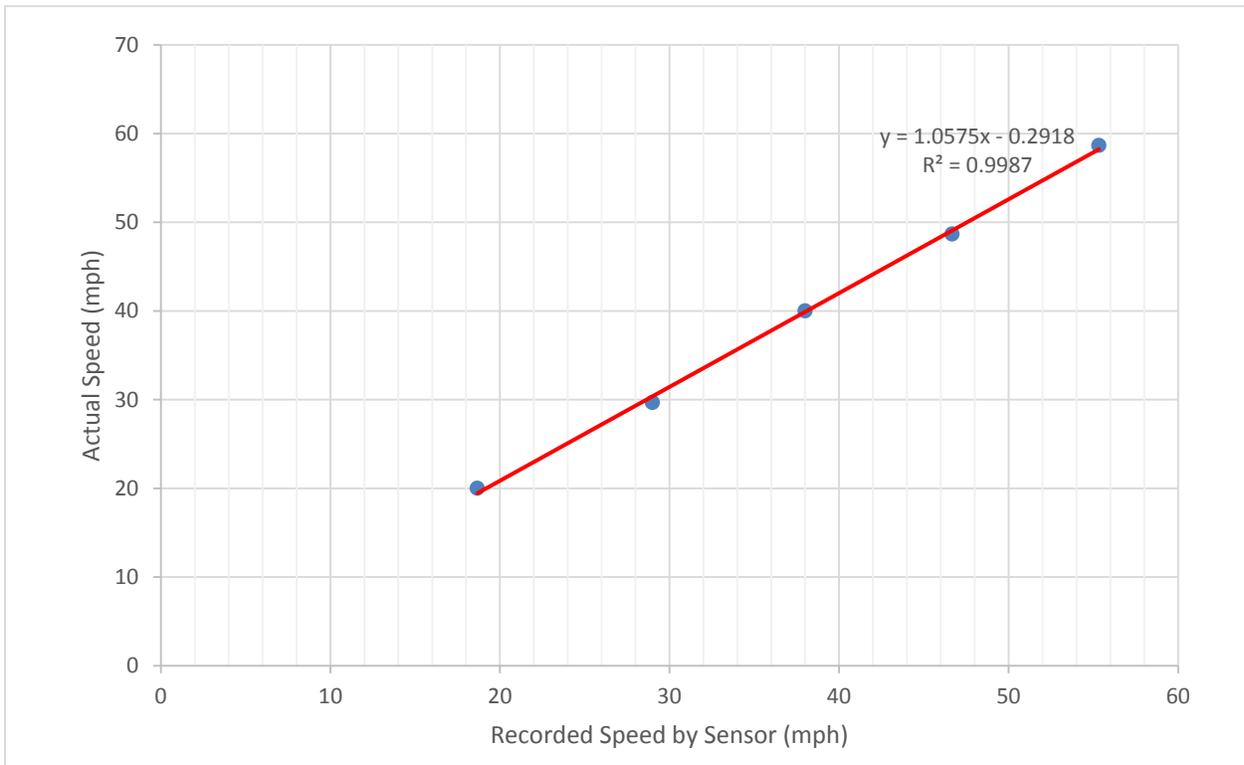


Figure A.6: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #106

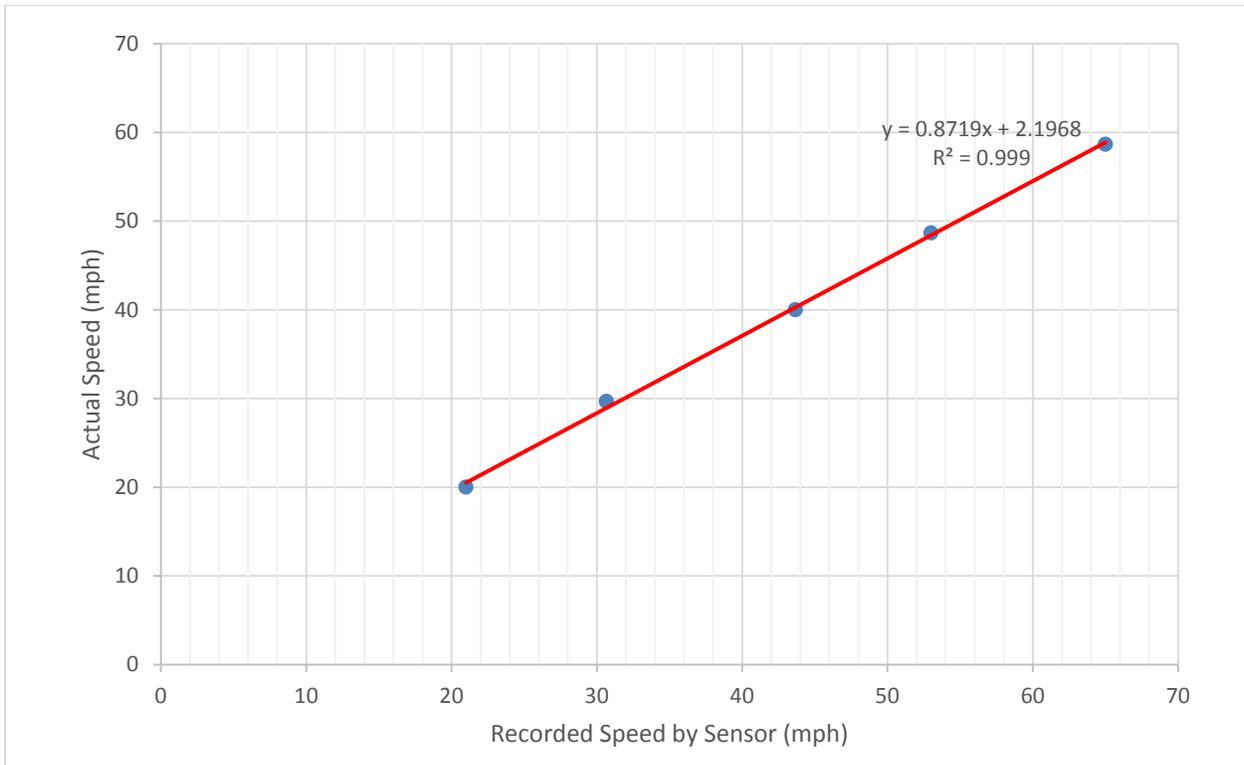


Figure A.7: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #107

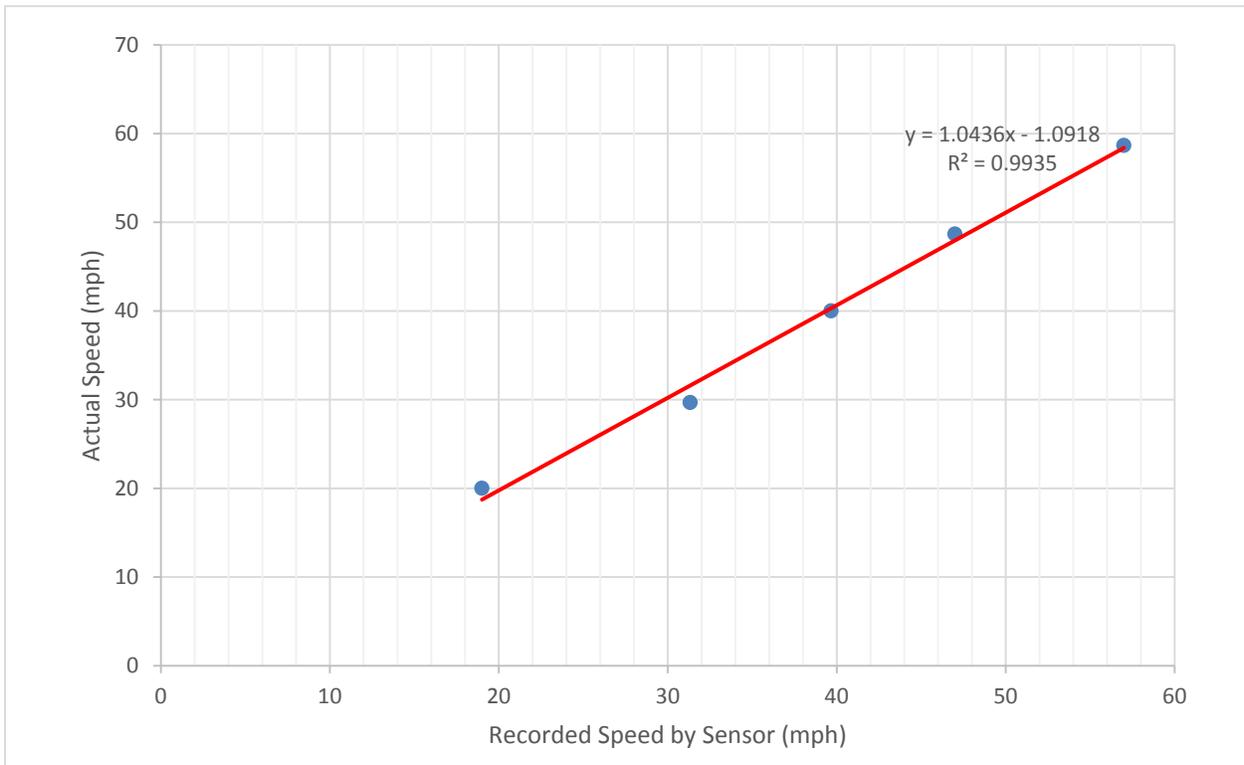


Figure A.8: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #108

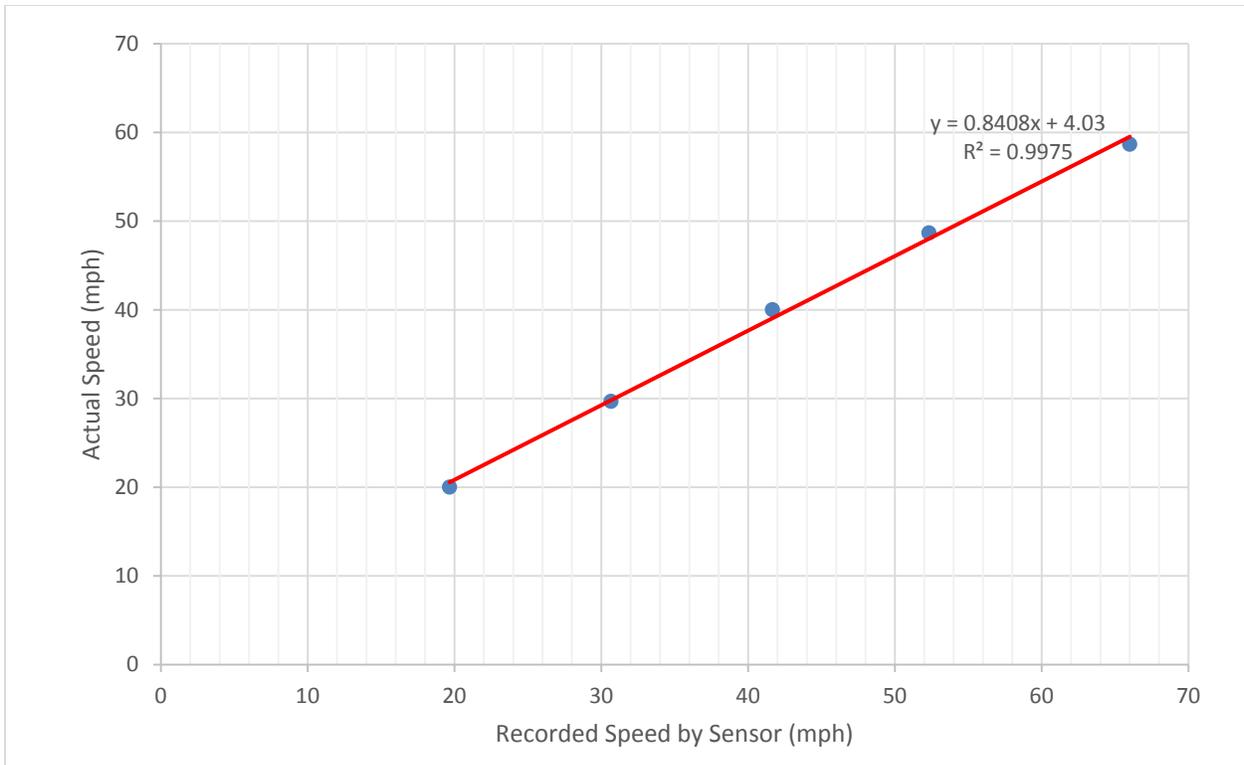


Figure A.9: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #216

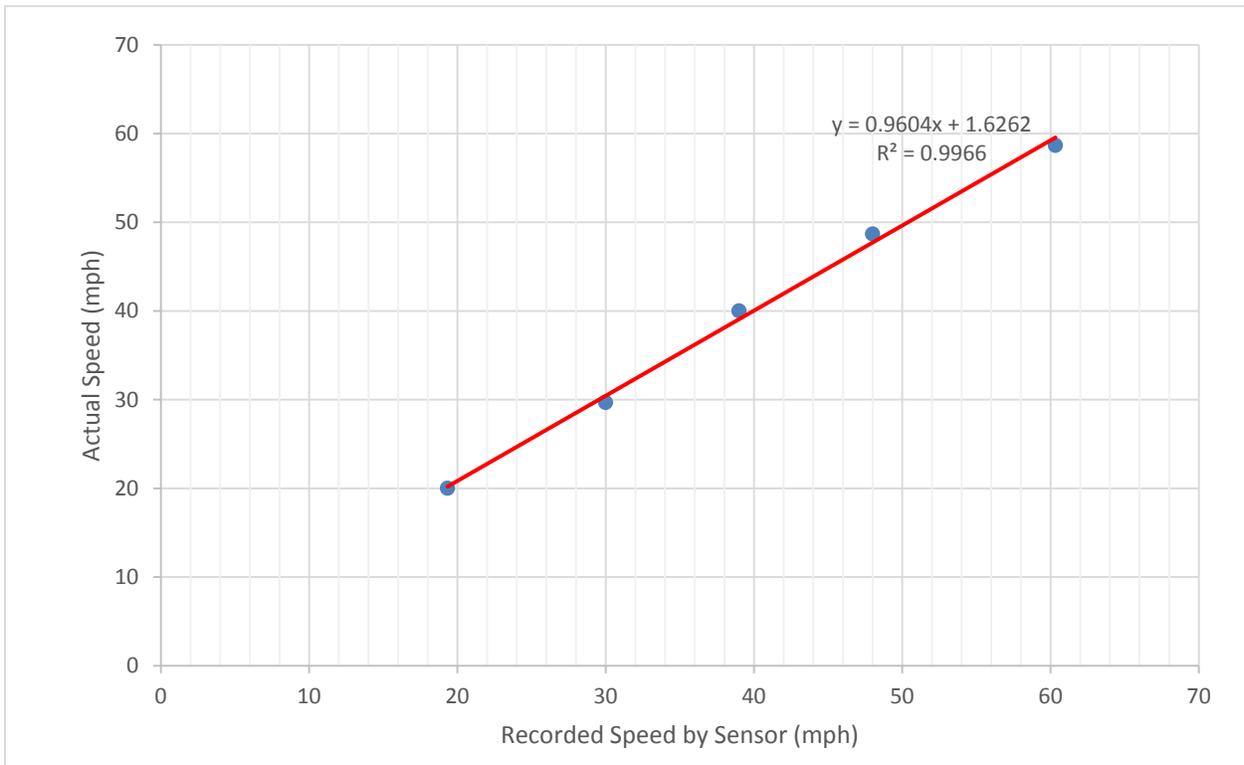


Figure A.10: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #379

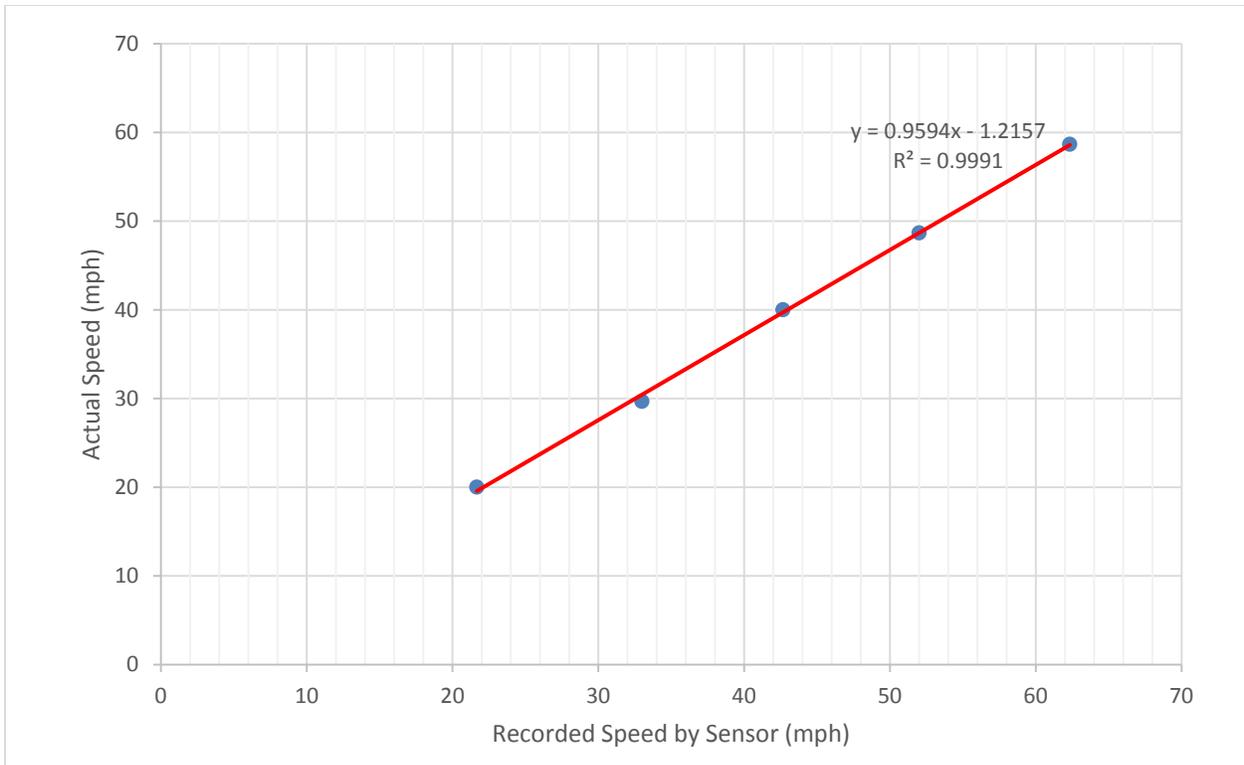


Figure A.11: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #687

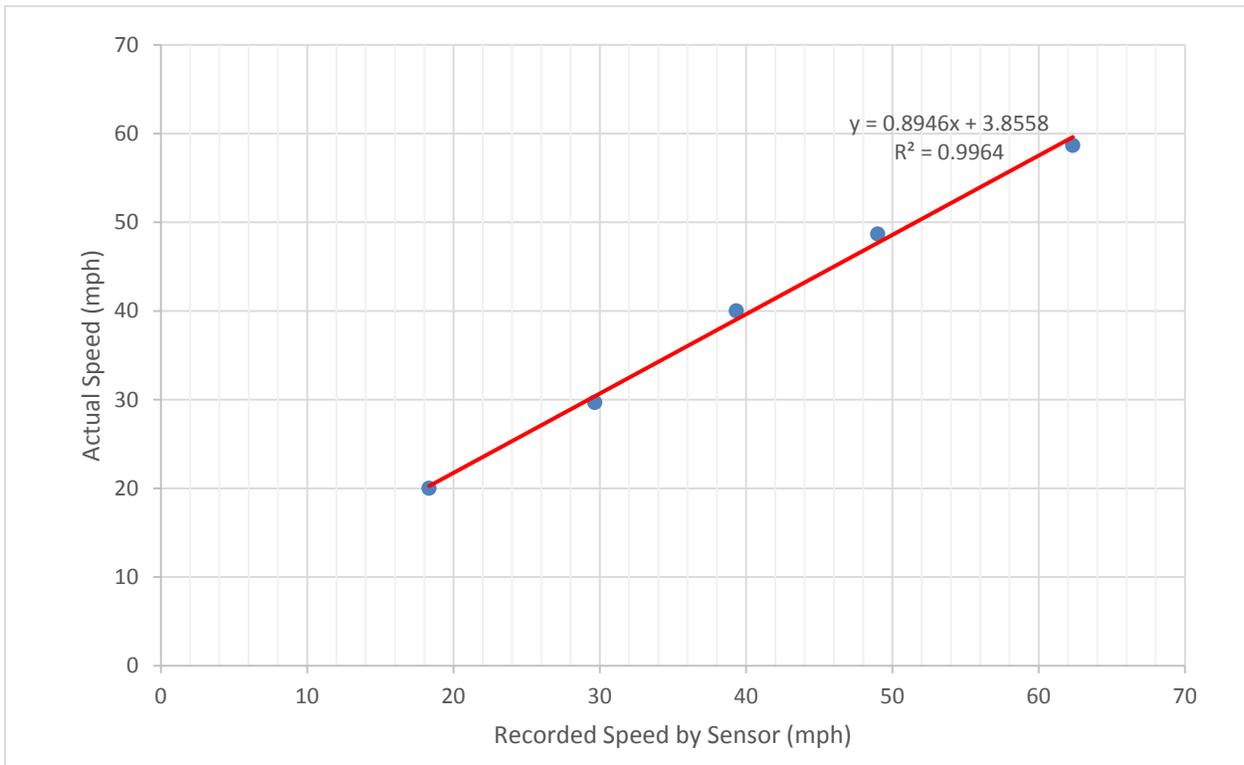


Figure A.12: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #748

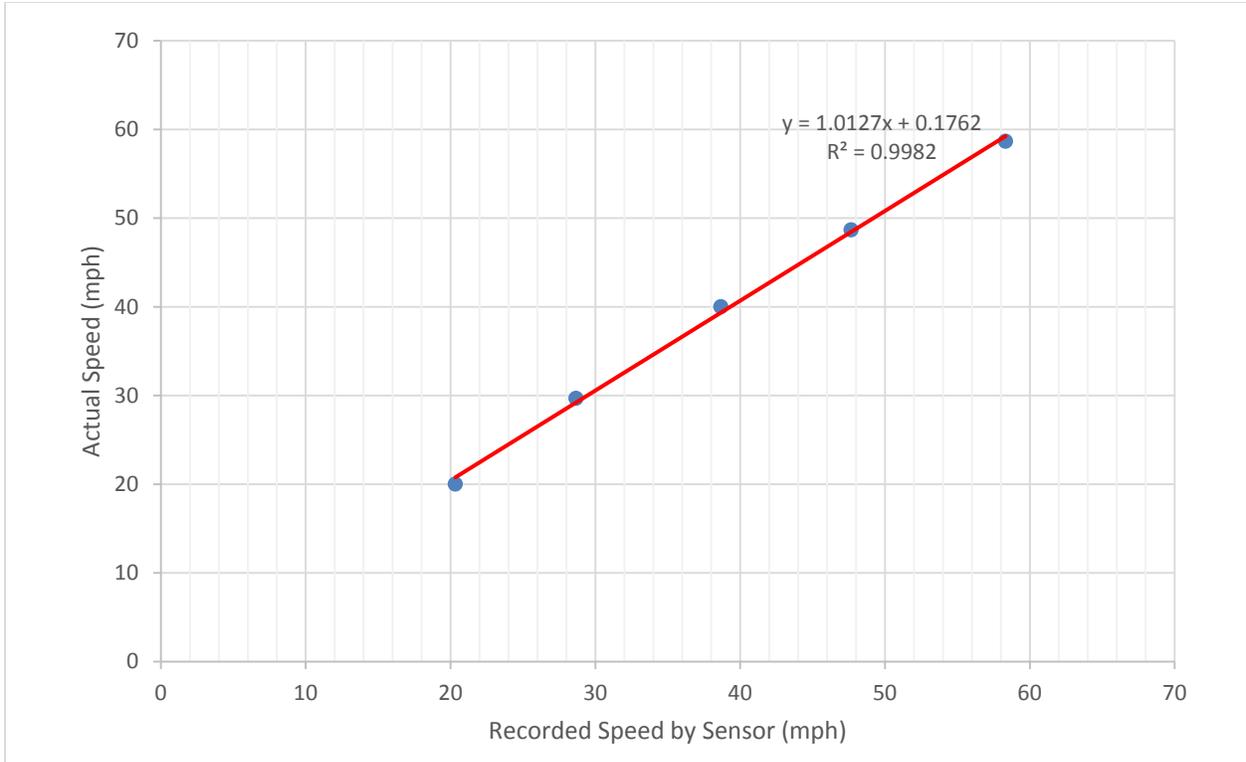


Figure A.13: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #774

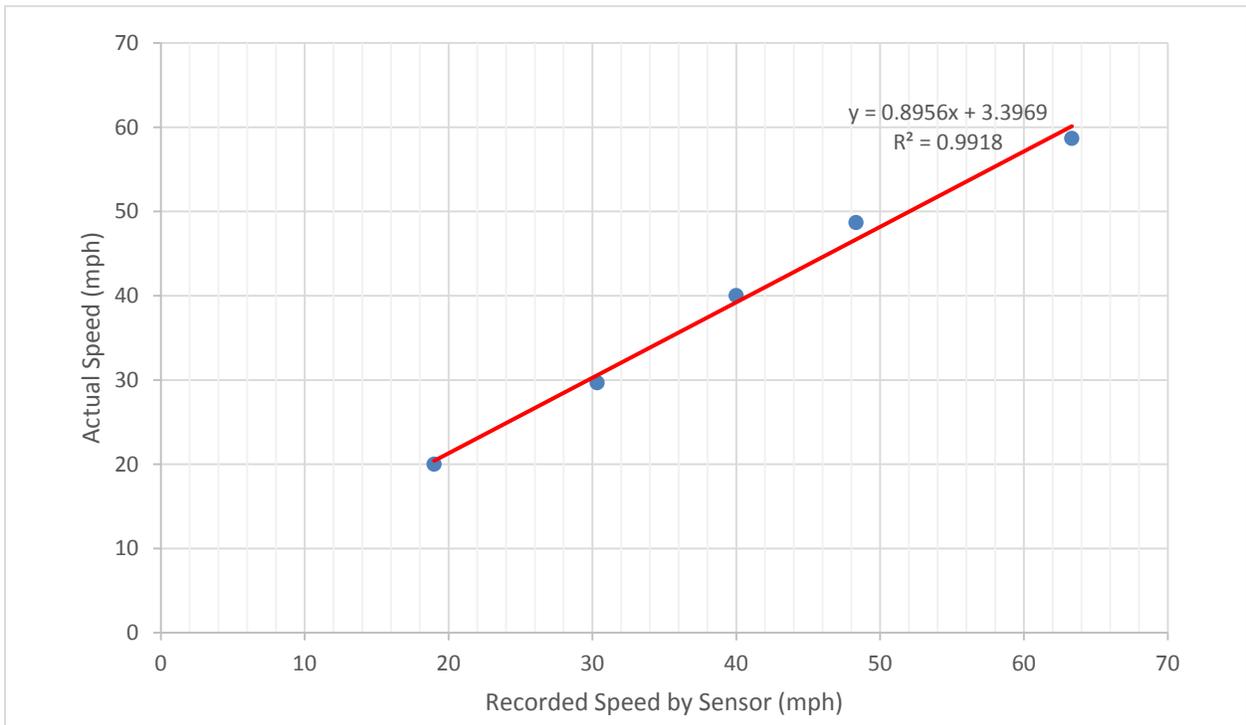


Figure A.14: Regression Line between Average Recorded Speed vs. Actual Speed for Sensor #816

APPENDIX B

CASE STUDY #1: I-205, RELAMPING

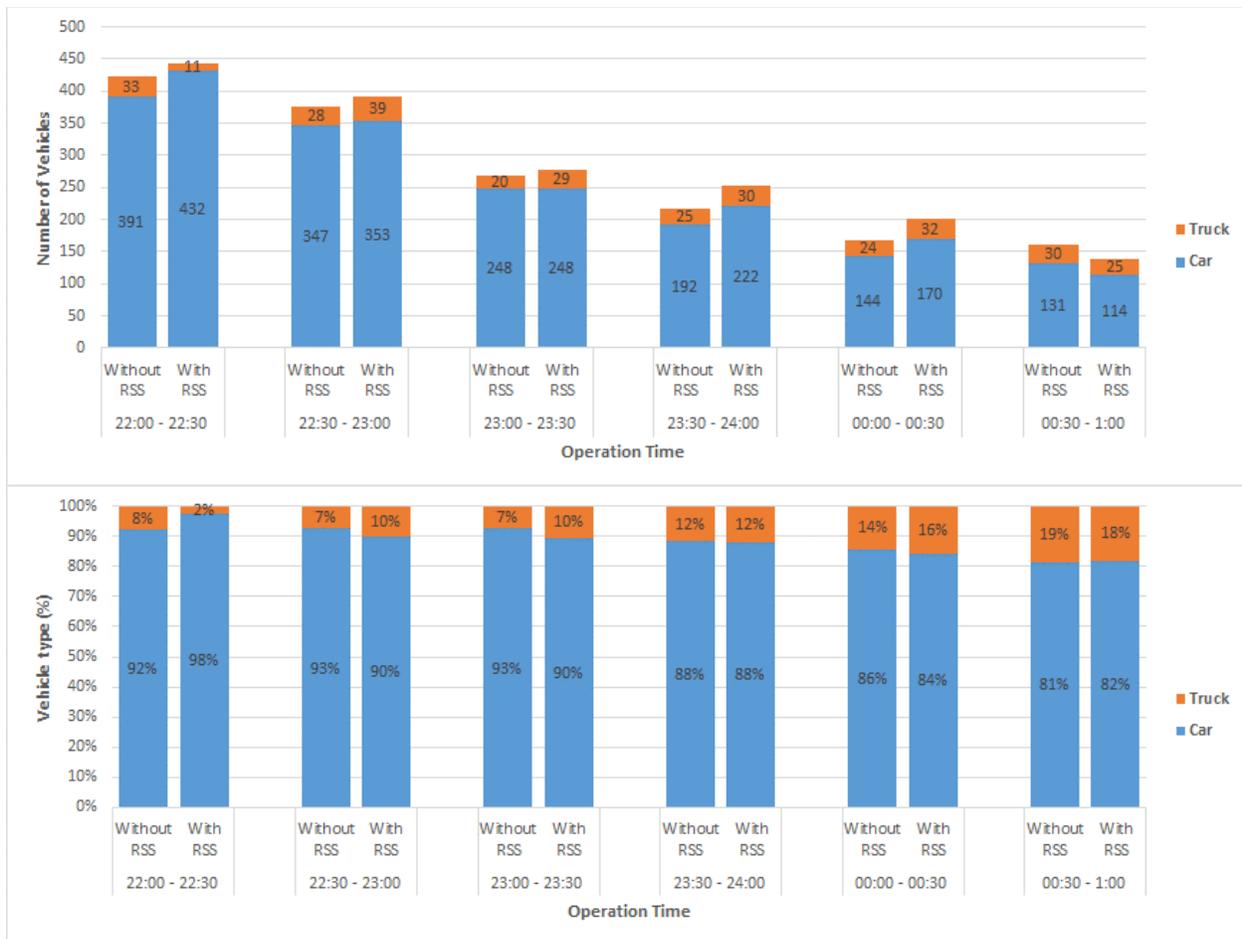


Figure B.1: Traffic Volume, I-205 Relamping Case Study, Pole 3 (without RSS) and Pole 4 (with RSS)

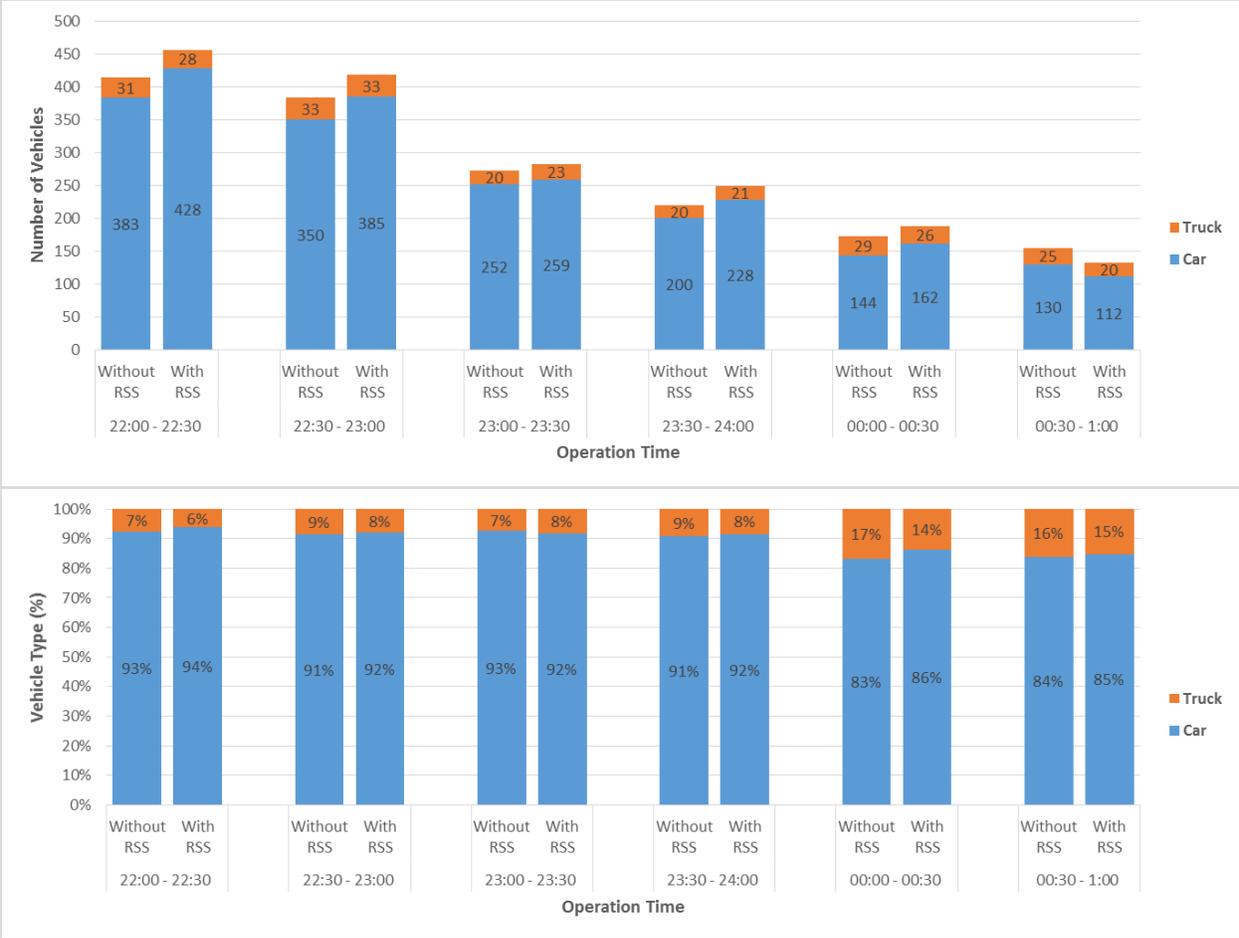


Figure B.2: Traffic Volume, I-205 Relamping Case Study, Pole 19 (without RSS) and Pole 20 (with RSS)

Table B.1: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), RWA

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.2%	0.0%	0.4%	0.5%	0.0%
30-34	0.2%	0.2%	0.2%	0.6%	0.0%	0.0%	0.0%
35-39	0.6%	0.6%	0.5%	1.1%	0.4%	0.9%	0.5%
40-44	2.9%	2.2%	2.1%	2.9%	4.6%	1.9%	5.7%
45-49	11.8%	9.4%	12.4%	10.6%	14.2%	14.0%	13.7%
50-54	24.1%	28.3%	20.0%	24.1%	20.3%	27.4%	23.2%
55-59	26.4%	27.0%	26.4%	25.2%	26.1%	30.2%	23.7%
60-64	18.3%	16.7%	19.7%	19.8%	19.9%	12.1%	21.8%
65-69	7.7%	8.1%	8.5%	6.6%	8.0%	7.0%	7.1%
70-74	4.5%	5.0%	6.2%	4.9%	2.7%	3.3%	2.8%
>=75	3.1%	2.4%	3.7%	4.3%	3.4%	2.8%	1.4%
Total # of vehicles	2012	540	436	349	261	215	211
Average speed	57.5	57.6	58.3	57.7	57.1	56.7	56.7
St. Dev.	8.3	7.7	8.7	8.9	8.5	7.9	7.7
85th percentile	65.5	65.8	66.9	65.8	64.9	64.0	64.0
Min	24.5	30.6	24.5	31.6	25.1	28.5	36.5
Max	94.7	86.1	86.1	92.8	94.7	89.5	90.9
Range	70.3	55.5	61.7	61.2	69.6	61.0	54.4

Table B.2: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), RWA

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
25-29	0.2%	0.0%	0.3%	0.0%	0.4%	0.5%	0.0%
30-34	0.2%	0.2%	0.3%	0.3%	0.0%	0.0%	0.0%
35-39	0.6%	0.6%	0.5%	1.2%	0.4%	0.0%	0.5%
40-44	2.6%	1.8%	1.5%	3.1%	4.2%	2.1%	4.4%
45-49	9.9%	8.6%	10.5%	9.0%	13.1%	9.9%	9.8%
50-54	23.4%	28.1%	18.9%	23.8%	17.4%	27.7%	23.0%
55-59	27.8%	28.1%	28.6%	25.3%	28.0%	31.9%	25.7%
60-64	19.4%	16.9%	20.7%	20.7%	21.2%	13.6%	24.6%
65-69	8.2%	8.6%	8.9%	6.8%	8.5%	7.9%	7.7%
70-74	4.8%	5.0%	6.6%	5.2%	3.0%	3.1%	3.3%
>=75	3.0%	2.2%	3.1%	4.6%	3.8%	3.1%	1.1%
Total # of vehicles	1828	502	392	324	236	191	183
Average speed	57.9	57.5	58.5	58.2	57.6	57.5	57.4
St. Dev.	8.1	7.1	8.4	8.8	8.5	7.8	7.3
85th percentile	65.9	63.9	67.1	66.6	65.6	64.2	64.3
Min	24.5	30.6	24.5	34.3	25.1	28.5	36.5
Max	94.7	86.1	84.2	92.8	94.7	89.5	77.5
Range	70.3	55.5	59.7	58.5	69.6	61.0	41.0

Table B.3: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), RWA

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.5%	0.0%	0.0%	4.0%	0.0%	0.0%	0.0%
35-39	1.1%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%
40-44	6.5%	7.9%	6.8%	0.0%	8.0%	0.0%	14.3%
45-49	31.0%	21.1%	29.5%	32.0%	24.0%	45.8%	39.3%
50-54	31.0%	31.6%	29.5%	28.0%	48.0%	25.0%	25.0%
55-59	12.5%	13.2%	6.8%	24.0%	8.0%	16.7%	10.7%
60-64	8.2%	13.2%	11.4%	8.0%	8.0%	0.0%	3.6%
65-69	3.3%	2.6%	4.5%	4.0%	4.0%	0.0%	3.6%
70-74	2.2%	5.3%	2.3%	0.0%	0.0%	4.2%	0.0%
>=75	3.8%	5.3%	9.1%	0.0%	0.0%	0.0%	3.6%
Total # of vehicles	184	38	44	25	25	24	28
Average speed	53.5	61.2	55.9	52.2	52.0	50.7	52.2
St. Dev.	9.1	11.9	11.3	7.3	6.2	6.5	9.3
85th percentile	61.2	71.3	65.1	57.3	56.3	55.5	55.6
Min	31.6	42.7	42.5	31.6	41.5	38.5	44.5
Max	90.9	84.3	86.1	67.6	69.8	70.5	90.9
Range	59.3	41.6	43.7	36.1	28.3	32.0	46.4

Table B.4: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), End of Taper

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
20-24	0.5%	0.6%	0.3%	0.5%	0.6%	0.0%	0.8%
25-29	0.8%	1.0%	0.3%	1.6%	0.6%	0.0%	0.8%
30-34	0.9%	1.0%	1.0%	0.5%	1.8%	0.0%	0.8%
35-39	2.4%	2.9%	3.5%	1.6%	0.6%	1.6%	3.3%
40-44	7.4%	12.3%	6.2%	5.9%	4.2%	4.7%	7.3%
45-49	12.8%	16.1%	9.7%	10.2%	13.9%	13.4%	13.8%
50-54	22.4%	27.7%	21.5%	22.0%	20.0%	20.5%	17.1%
55-59	18.8%	13.5%	20.4%	20.4%	18.8%	27.6%	16.3%
60-64	16.5%	13.9%	17.6%	19.4%	18.8%	15.0%	14.6%
65-69	8.3%	5.8%	8.7%	6.5%	10.9%	7.9%	13.8%
70-74	4.1%	1.9%	5.9%	4.8%	4.8%	3.1%	4.1%
>=75	5.0%	3.2%	4.5%	6.5%	4.8%	6.3%	7.3%
Total # of vehicles	1200	310	289	186	165	127	123
Average speed	56.1	53.5	56.9	57.0	57.0	57.5	57.0
St. Dev.	10.5	9.9	10.4	10.7	10.0	9.8	11.9
85th percentile	66.0	62.8	67.7	65.3	66.0	65.1	68.9
Min	18.9	21.8	18.9	24.7	23.7	36.2	24.7
Max	88.1	85.2	85.2	86.1	82.3	88.1	87.1
Range	69.1	63.4	66.3	61.5	58.6	51.9	62.4

Table B.5: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), End of Taper

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.6%	0.8%	0.4%	0.6%	0.8%	0.0%	1.2%
25-29	0.6%	0.8%	0.4%	1.3%	0.8%	0.0%	0.0%
30-34	1.0%	0.8%	1.3%	0.6%	2.3%	0.0%	1.2%
35-39	2.6%	3.1%	3.9%	1.3%	0.8%	1.0%	4.9%
40-44	7.7%	11.9%	6.1%	6.4%	5.3%	6.2%	7.4%
45-49	12.6%	16.1%	8.7%	8.9%	13.5%	16.5%	13.6%
50-54	21.8%	27.2%	20.9%	19.1%	19.5%	21.6%	16.0%
55-59	18.4%	14.2%	20.0%	21.7%	18.0%	23.7%	14.8%
60-64	17.8%	13.8%	20.9%	22.3%	18.0%	14.4%	17.3%
65-69	8.4%	6.1%	8.3%	7.6%	12.0%	8.2%	12.3%
70-74	4.4%	2.3%	6.1%	5.1%	6.0%	2.1%	4.9%
>=75	4.0%	3.1%	3.0%	5.1%	3.0%	6.2%	6.2%
Total # of vehicles	959	261	230	157	133	97	81
Average speed	55.9	53.6	56.7	57.2	56.6	56.7	56.5
St. Dev.	10.2	9.8	9.9	10.1	10.0	9.6	12.0
85th percentile	65.0	63.1	65.6	65.0	66.0	65.0	67.9
Min	21.8	21.8	24.7	24.7	23.7	39.1	24.7
Max	87.1	81.3	82.3	82.3	80.4	85.2	87.1
Range	65.3	59.5	57.6	57.6	56.7	46.1	62.4

Table B.6: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), End of Taper

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.4%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	1.2%	2.0%	0.0%	3.4%	0.0%	0.0%	2.4%
30-34	0.4%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	1.7%	2.0%	1.7%	3.4%	0.0%	3.3%	0.0%
40-44	6.2%	14.3%	6.8%	3.4%	0.0%	0.0%	7.1%
45-49	13.7%	16.3%	13.6%	17.2%	15.6%	3.3%	14.3%
50-54	24.9%	30.6%	23.7%	37.9%	21.9%	16.7%	19.0%
55-59	20.3%	10.2%	22.0%	13.8%	21.9%	40.0%	19.0%
60-64	11.2%	14.3%	5.1%	3.4%	21.9%	16.7%	9.5%
65-69	7.9%	4.1%	10.2%	0.0%	6.3%	6.7%	16.7%
70-74	2.9%	0.0%	5.1%	3.4%	0.0%	6.7%	2.4%
>=75	9.1%	4.1%	10.2%	13.8%	12.5%	6.7%	9.5%
Total # of vehicles	241	49	59	29	32	30	42
Average speed	57.0	52.9	57.3	56.1	59.0	60.1	58.0
St. Dev.	11.6	10.6	12.1	13.6	9.9	10.3	11.7
85th percentile	66.9	62.1	70.1	69.6	65.3	65.6	69.7
Min	18.9	26.6	18.9	26.6	45.8	36.2	25.6
Max	88.1	85.2	85.2	86.1	82.3	88.1	84.2
Range	69.1	58.6	66.3	59.5	36.5	51.9	58.6

Table B.7: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 1

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.5%	0.2%	1.6%	0.4%	0.0%	0.0%	0.0%
25-29	2.8%	3.1%	8.1%	0.4%	0.0%	0.0%	0.0%
30-34	3.2%	5.5%	6.7%	0.4%	0.0%	0.6%	0.0%
35-39	6.3%	5.8%	15.9%	4.5%	0.9%	1.8%	0.0%
40-44	13.4%	14.9%	23.9%	12.1%	6.0%	5.5%	4.6%
45-49	23.5%	29.6%	23.4%	22.0%	25.8%	14.0%	16.6%
50-54	20.3%	19.3%	12.9%	23.1%	25.3%	23.8%	25.8%
55-59	18.5%	13.5%	4.8%	24.6%	23.5%	31.7%	33.8%
60-64	7.2%	4.6%	1.9%	8.3%	13.4%	15.2%	7.9%
65-69	3.1%	2.2%	0.8%	2.7%	3.7%	6.1%	7.9%
70-74	0.9%	1.2%	0.0%	0.8%	0.9%	0.6%	2.6%
>=75	0.3%	0.0%	0.0%	0.8%	0.5%	0.6%	0.7%
Total # of vehicles	1583	415	372	264	217	164	151
Average speed	49.8	48.2	43.0	52.1	53.9	55.0	55.4
St. Dev.	9.3	8.9	8.8	7.7	6.8	7.4	7.0
85th percentile	58.7	56.9	52.0	58.7	61.2	61.2	61.6
Min	20.8	22.5	20.8	24.2	37.7	31.8	41.0
Max	82.2	73.8	69.6	78.0	81.4	82.2	80.5
Range	61.4	51.3	48.8	53.8	43.7	50.4	39.5

Table B.8: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 1

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.6%	0.3%	1.8%	0.4%	0.0%	0.0%	0.0%
25-29	3.1%	3.2%	8.9%	0.4%	0.0%	0.0%	0.0%
30-34	3.2%	5.5%	6.3%	0.4%	0.0%	0.8%	0.0%
35-39	6.5%	5.8%	16.7%	4.5%	0.5%	0.8%	0.0%
40-44	13.1%	14.2%	23.2%	12.8%	4.8%	5.4%	3.4%
45-49	23.2%	30.0%	23.5%	21.9%	26.6%	10.8%	11.9%
50-54	19.9%	19.2%	12.8%	21.9%	26.6%	23.1%	23.7%
55-59	19.1%	14.5%	4.8%	25.2%	23.9%	33.1%	39.0%
60-64	7.5%	4.2%	2.1%	8.7%	14.4%	17.7%	8.5%
65-69	3.1%	2.4%	0.0%	2.9%	2.7%	7.7%	10.2%
70-74	0.6%	0.8%	0.0%	0.4%	0.5%	0.8%	2.5%
>=75	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.8%
Total # of vehicles	1394	380	336	242	188	130	118
Average speed	49.7	48.2	42.7	51.9	53.8	55.7	56.5
St. Dev.	9.2	8.8	8.6	7.7	6.1	7.0	6.9
85th percentile	58.7	56.3	51.1	58.7	61.2	62.9	62.9
Min	20.8	22.5	20.8	24.2	37.7	31.8	41.0
Max	80.5	73.8	63.7	78.0	70.5	73.0	80.5
Range	59.7	51.3	42.9	53.8	32.8	41.2	39.5

Table B.9: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 1

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.5%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	3.2%	5.7%	11.1%	0.0%	0.0%	0.0%	0.0%
35-39	4.8%	5.7%	8.3%	4.5%	3.4%	5.9%	0.0%
40-44	15.3%	22.9%	30.6%	4.5%	13.8%	5.9%	9.1%
45-49	25.4%	25.7%	22.2%	22.7%	20.7%	26.5%	33.3%
50-54	23.8%	20.0%	13.9%	36.4%	17.2%	26.5%	33.3%
55-59	14.3%	2.9%	5.6%	18.2%	20.7%	26.5%	15.2%
60-64	5.3%	8.6%	0.0%	4.5%	6.9%	5.9%	6.1%
65-69	3.2%	0.0%	8.3%	0.0%	10.3%	0.0%	0.0%
70-74	2.6%	5.7%	0.0%	4.5%	3.4%	0.0%	3.0%
>=75	1.6%	0.0%	0.0%	4.5%	3.4%	2.9%	0.0%
Total # of vehicles	189	35	36	22	29	34	33
Average speed	50.7	47.8	46.1	53.7	54.7	52.3	51.8
St. Dev.	9.4	10.5	9.5	8.7	10.2	8.1	6.0
85th percentile	57.8	57.4	54.1	58.6	65.6	57.9	55.3
Min	26.7	26.7	30.1	36.8	39.3	36.8	41.9
Max	82.2	73.8	69.6	77.2	81.4	82.2	73.8
Range	55.5	47.1	39.5	40.4	42.0	45.4	32.0

Table B.10: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 3

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-00:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
25-29	0.5%	0.2%	1.9%	0.0%	0.0%	0.0%	0.0%
30-34	2.8%	1.7%	7.5%	2.2%	0.9%	0.0%	1.2%
35-39	8.0%	6.6%	15.2%	9.0%	5.1%	3.6%	1.9%
40-44	14.4%	13.4%	25.3%	13.4%	10.1%	9.5%	4.3%
45-49	29.6%	34.9%	27.7%	31.0%	32.7%	20.2%	23.6%
50-54	28.5%	30.0%	16.8%	27.6%	30.0%	38.1%	41.6%
55-59	11.0%	10.1%	4.0%	11.9%	15.2%	16.7%	16.8%
60-64	4.0%	2.8%	1.1%	3.4%	5.5%	8.9%	7.5%
65-69	0.6%	0.2%	0.3%	0.7%	0.0%	1.2%	1.9%
70-74	0.3%	0.0%	0.0%	0.4%	0.5%	1.2%	0.6%
>=75	0.2%	0.0%	0.0%	0.4%	0.0%	0.6%	0.6%
Total # of vehicles	1613	424	375	268	217	168	161
Average speed	48.7	48.8	44.3	48.9	50.2	52.3	52.5
St. Dev.	7.2	6.1	7.1	7.0	6.4	6.9	6.5
85th percentile	55.7	54.8	51.3	55.7	56.6	59.3	58.4
Min	24.4	29.8	24.4	32.5	32.5	36.1	34.3
Max	78.1	69.2	66.5	75.4	70.1	78.1	75.4
Range	53.7	39.4	42.0	42.9	37.6	42.0	41.2

Table B.11: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 3

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-00:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
25-29	0.5%	0.3%	1.7%	0.0%	0.0%	0.0%	0.0%
30-34	2.9%	1.3%	7.8%	2.4%	1.0%	0.0%	1.5%
35-39	7.5%	5.6%	14.4%	9.3%	4.7%	2.1%	1.5%
40-44	13.3%	12.8%	25.1%	12.9%	6.3%	4.9%	3.8%
45-49	29.4%	35.0%	28.2%	29.4%	34.4%	19.4%	19.1%
50-54	29.3%	30.9%	17.3%	28.2%	31.3%	41.7%	42.0%
55-59	11.8%	11.0%	3.7%	12.9%	16.1%	18.8%	19.1%
60-64	4.2%	2.8%	1.2%	3.6%	5.7%	9.7%	9.2%
65-69	0.6%	0.3%	0.3%	0.8%	0.0%	1.4%	2.3%
70-74	0.3%	0.0%	0.0%	0.0%	0.5%	1.4%	0.8%
>=75	0.2%	0.0%	0.0%	0.4%	0.0%	0.7%	0.8%
Total # of vehicles	1453	391	347	248	192	144	131
Average speed	48.9	49.1	44.4	49.0	50.6	53.2	53.2
St. Dev.	7.2	6.0	7.1	7.0	6.3	6.5	6.7
85th percentile	55.7	54.8	51.3	55.7	56.6	59.3	58.9
Min	24.4	29.8	24.4	32.5	32.5	36.1	34.3
Max	78.1	69.2	66.5	75.4	70.1	78.1	75.4
Range	53.7	39.4	42.0	42.9	37.6	42.0	41.2

Table B.12: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 3

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-00:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.6%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%
30-34	1.9%	6.1%	3.6%	0.0%	0.0%	0.0%	0.0%
35-39	12.5%	18.2%	25.0%	5.0%	8.0%	12.5%	3.3%
40-44	25.0%	21.2%	28.6%	20.0%	40.0%	37.5%	16.7%
45-49	31.9%	33.3%	21.4%	50.0%	20.0%	25.0%	43.3%
50-54	21.3%	18.2%	10.7%	20.0%	20.0%	16.7%	40.0%
55-59	4.4%	0.0%	7.1%	0.0%	8.0%	4.2%	6.7%
60-64	1.9%	3.0%	0.0%	0.0%	4.0%	4.2%	0.0%
65-69	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
70-74	0.6%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%
>=75	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	160	33	28	20	25	24	30
Average speed	46.4	44.9	42.9	48.4	47.1	46.5	49.5
St. Dev.	6.7	6.5	7.5	7.1	6.8	6.2	4.4
85th percentile	52.2	51.4	50.3	52.4	53.1	51.8	52.2
Min	26.2	33.4	26.2	39.6	35.2	36.1	37.9
Max	72.7	61.1	57.5	72.7	62.9	62.9	59.3
Range	46.5	27.7	31.3	33.1	27.7	26.8	21.5

Table B.13: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 5

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.3%	0.5%	0.3%	0.4%	0.0%	0.0%	0.0%
25-29	0.9%	0.2%	1.6%	2.3%	0.9%	0.0%	0.0%
30-34	2.9%	1.7%	5.6%	3.0%	3.8%	1.7%	0.0%
35-39	8.0%	5.1%	11.0%	15.5%	6.6%	3.5%	3.1%
40-44	16.5%	12.8%	24.7%	16.2%	20.2%	9.9%	10.1%
45-49	21.3%	25.5%	21.5%	18.1%	27.7%	12.8%	15.7%
50-54	25.5%	26.3%	19.9%	24.2%	21.1%	36.6%	32.7%
55-59	15.9%	18.3%	9.9%	14.7%	15.0%	19.8%	22.6%
60-64	6.0%	7.0%	4.3%	4.5%	2.8%	9.9%	9.4%
65-69	1.8%	2.2%	0.5%	0.8%	0.9%	4.1%	3.8%
70-74	0.4%	0.0%	0.3%	0.0%	0.0%	1.7%	1.3%
>=75	0.5%	0.5%	0.3%	0.4%	0.9%	0.0%	1.3%
Total # of vehicles	1596	415	372	265	213	172	159
Average speed	49.4	50.5	46.7	47.6	48.4	52.8	53.3
St. Dev.	8.1	7.5	8.1	8.3	7.6	7.6	7.4
85th percentile	57.3	57.3	55.3	55.3	55.5	60.5	60.5
Min	22.9	22.9	25.0	25.0	26.0	32.3	38.6
Max	83.4	78.2	75.1	80.3	77.2	73.0	83.4
Range	60.5	55.3	50.1	55.3	51.1	40.7	44.9

Table B.14: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 5

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.3%	0.5%	0.3%	0.4%	0.0%	0.0%	0.0%
25-29	1.0%	0.3%	1.4%	2.4%	1.0%	0.0%	0.0%
30-34	3.0%	1.6%	5.8%	3.2%	3.6%	1.4%	0.0%
35-39	7.3%	3.9%	9.5%	15.9%	5.7%	2.1%	3.1%
40-44	16.1%	12.8%	24.5%	16.3%	20.1%	7.7%	16.1%
45-49	20.9%	24.8%	21.9%	17.1%	27.3%	12.0%	13.7%
50-54	26.0%	27.2%	20.7%	24.3%	22.2%	37.3%	32.8%
55-59	16.7%	19.6%	10.4%	14.7%	14.9%	21.8%	26.0%
60-64	6.2%	7.0%	4.3%	4.4%	3.1%	11.3%	11.5%
65-69	1.7%	1.8%	0.6%	0.8%	1.0%	4.2%	4.6%
70-74	0.4%	0.0%	0.3%	0.0%	0.0%	2.1%	1.5%
>=75	0.5%	0.5%	0.3%	0.4%	1.0%	0.0%	0.8%
Total # of vehicles	1448	383	347	251	194	142	131
Average speed	49.6	50.8	47.0	47.6	48.6	53.7	54.2
St. Dev.	8.1	7.4	8.0	8.4	7.7	7.3	7.0
85th percentile	57.3	57.3	55.3	55.8	56.3	60.5	60.5
Min	22.9	22.9	25.0	25.0	26.0	33.3	38.6
Max	81.4	78.2	75.1	80.3	77.2	73.0	81.4
Range	58.4	55.3	50.1	55.3	51.1	39.7	42.8

Table B.15: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 5

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.7%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%
30-34	2.7%	3.1%	4.0%	0.0%	5.3%	3.3%	0.0%
35-39	14.9%	18.8%	32.0%	7.1%	15.8%	10.0%	3.6%
40-44	20.9%	12.5%	28.0%	14.3%	21.1%	20.0%	28.6%
45-49	25.7%	34.4%	16.0%	35.7%	31.6%	16.7%	25.0%
50-54	20.9%	15.6%	8.0%	21.4%	10.5%	33.3%	32.1%
55-59	8.1%	3.1%	4.0%	14.3%	15.8%	10.0%	7.1%
60-64	3.4%	6.3%	4.0%	7.1%	0.0%	3.3%	0.0%
65-69	2.0%	6.3%	0.0%	0.0%	0.0%	3.3%	0.0%
70-74	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%
Total # of vehicles	148	32	25	14	19	30	28
Average speed	47.3	47.7	43.2	49.0	46.0	48.5	49.3
St. Dev.	8.0	8.7	8.1	5.8	7.0	7.8	8.2
85th percentile	54.2	55.4	50.7	55.3	54.5	54.5	54.2
Min	28.1	33.3	28.1	37.5	31.3	32.3	39.6
Max	83.4	67.8	64.7	60.5	57.3	67.8	83.4
Range	55.3	34.4	36.5	23.0	26.1	35.5	43.8

Table B. 16: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 7

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%
30-34	1.1%	0.5%	2.2%	0.7%	1.4%	1.8%	0.0%
35-39	2.2%	1.0%	3.2%	3.0%	3.4%	1.2%	1.3%
40-44	8.9%	10.0%	9.2%	10.5%	8.7%	7.0%	4.5%
45-49	15.4%	10.9%	15.1%	19.9%	21.7%	17.0%	10.3%
50-54	22.5%	21.4%	26.7%	19.5%	21.7%	21.6%	23.1%
55-59	25.1%	27.6%	24.3%	22.8%	25.6%	21.6%	27.6%
60-64	12.7%	14.3%	11.1%	12.7%	9.2%	12.9%	16.7%
65-69	6.8%	9.3%	4.3%	7.1%	3.9%	6.4%	9.6%
70-74	2.6%	3.6%	1.6%	1.9%	2.9%	4.1%	1.9%
>=75	2.6%	1.7%	1.9%	1.9%	1.4%	6.4%	5.1%
Total # of vehicles	1593	421	371	267	207	171	156
Average speed	55.0	56.2	53.6	54.2	53.6	56.2	57.6
St. Dev.	8.9	8.5	8.7	8.7	8.5	10.0	8.8
85th percentile	63.4	64.3	61.5	63.4	60.7	66.1	65.9
Min	27.3	33.8	27.3	31.9	30.1	31.9	37.5
Max	86.5	83.7	84.6	83.7	82.8	84.6	86.5
Range	59.1	49.9	57.3	51.8	52.7	52.7	49.0

Table B.17: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 7

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%
30-34	1.1%	0.3%	2.3%	0.8%	1.6%	1.4%	0.0%
35-39	2.3%	1.0%	3.5%	3.3%	3.2%	0.7%	1.6%
40-44	8.9%	9.5%	9.0%	10.7%	9.6%	6.9%	4.0%
45-49	15.2%	11.3%	14.2%	19.7%	21.3%	16.7%	10.4%
50-54	22.5%	21.1%	27.3%	18.9%	22.9%	20.1%	23.2%
55-59	24.8%	27.8%	24.4%	23.0%	25.5%	21.5%	23.2%
60-64	13.1%	14.7%	11.6%	13.1%	7.4%	14.6%	19.2%
65-69	6.8%	9.8%	3.8%	6.6%	3.7%	6.9%	10.4%
70-74	2.7%	3.1%	1.5%	2.0%	3.2%	4.9%	2.4%
>=75	2.4%	1.3%	1.7%	2.0%	1.6%	6.3%	5.6%
Total # of vehicles	1433	388	344	244	188	144	125
Average speed	55.0	56.2	53.5	54.1	53.4	56.7	58.0
St. Dev.	8.9	8.3	8.6	8.9	8.6	10.0	8.9
85th percentile	63.4	64.3	61.5	63.4	60.6	66.1	66.1
Min	27.3	33.8	27.3	31.9	30.1	32.9	37.5
Max	86.5	83.7	80.0	83.7	82.8	84.6	86.5
Range	59.1	49.9	52.7	51.8	52.7	51.8	49.0

Table B.18: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 7

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.3%	3.0%	0.0%	0.0%	0.0%	3.7%	0.0%
35-39	1.3%	0.0%	0.0%	0.0%	5.3%	3.7%	0.0%
40-44	8.8%	15.2%	11.1%	8.7%	0.0%	7.4%	6.5%
45-49	16.9%	6.1%	25.9%	21.7%	26.3%	18.5%	9.7%
50-54	22.5%	24.2%	18.5%	26.1%	10.5%	29.6%	22.6%
55-59	27.5%	24.2%	22.2%	21.7%	26.3%	22.2%	45.2%
60-64	8.8%	9.1%	3.7%	8.7%	26.3%	3.7%	6.5%
65-69	6.9%	3.0%	11.1%	13.0%	5.3%	3.7%	6.5%
70-74	2.5%	9.1%	3.7%	0.0%	0.0%	0.0%	0.0%
>=75	3.8%	6.1%	3.7%	0.0%	0.0%	7.4%	3.2%
Total # of vehicles	160	33	27	23	19	27	31
Average speed	55.2	56.0	54.8	54.8	55.9	53.6	55.9
St. Dev.	9.1	10.8	10.2	7.4	7.9	9.7	7.9
85th percentile	63.4	70.4	66.2	62.5	63.6	59.9	59.7
Min	31.9	33.8	42.1	44.9	38.4	31.9	41.2
Max	84.6	79.1	84.6	68.9	69.8	76.3	84.6
Range	52.7	45.3	42.5	24.0	31.4	44.4	43.4

Table B.19: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 9

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	0.5%	0.0%	0.0%	0.6%	0.0%
25-29	0.6%	0.2%	1.1%	0.8%	0.5%	0.6%	0.0%
30-34	2.4%	1.2%	4.1%	1.5%	1.4%	5.5%	0.6%
35-39	6.7%	3.6%	5.7%	6.5%	9.1%	13.9%	6.4%
40-44	12.2%	13.9%	13.3%	9.9%	10.5%	16.4%	7.1%
45-49	25.7%	25.1%	24.4%	25.1%	25.8%	28.5%	28.2%
50-54	22.6%	24.8%	22.0%	21.3%	25.4%	15.8%	24.4%
55-59	14.1%	16.1%	12.7%	15.6%	16.3%	8.5%	12.8%
60-64	7.8%	7.8%	9.5%	9.9%	5.7%	4.8%	6.4%
65-69	4.6%	5.1%	3.0%	5.3%	3.8%	1.8%	9.6%
70-74	2.0%	1.5%	2.4%	2.7%	0.5%	2.4%	2.6%
>=75	1.2%	0.7%	1.4%	1.5%	1.0%	1.2%	1.9%
Total # of vehicles	1573	411	369	263	209	165	156
Average speed	51.3	51.9	50.7	52.3	50.7	48.1	53.1
St. Dev.	9.3	8.3	9.7	9.5	8.8	10.0	9.4
85th percentile	60.7	60.1	60.7	60.7	58.3	57.1	64.3
Min	21.1	25.9	21.1	28.3	29.5	23.5	30.7
Max	91.8	83.4	82.2	91.8	91.8	90.6	90.6
Range	70.7	57.6	61.2	63.6	62.4	67.1	60.0

Table B.20: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 9

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	0.6%	0.0%	0.0%	0.7%	0.0%
25-29	0.5%	0.3%	0.9%	0.8%	0.5%	0.7%	0.0%
30-34	2.0%	0.8%	4.0%	1.6%	1.0%	3.4%	0.7%
35-39	6.3%	3.8%	4.9%	5.6%	8.7%	15.1%	5.9%
40-44	11.5%	12.7%	13.5%	10.0%	9.7%	15.1%	4.4%
45-49	26.2%	26.0%	24.4%	25.5%	27.0%	28.8%	28.7%
50-54	23.2%	25.4%	22.6%	22.3%	25.0%	16.4%	25.0%
55-59	14.5%	16.3%	12.9%	15.1%	16.8%	8.9%	14.7%
60-64	7.9%	7.9%	9.5%	10.4%	5.6%	5.5%	5.1%
65-69	4.5%	4.8%	2.9%	4.8%	4.1%	1.4%	11.0%
70-74	2.0%	1.3%	2.6%	2.8%	0.5%	2.7%	2.9%
>=75	1.2%	0.8%	1.4%	1.2%	1.0%	1.4%	1.5%
Total # of vehicles	1471	393	349	251	196	146	136
Average speed	51.4	52.0	50.9	52.2	51.0	48.5	53.4
St. Dev.	9.1	8.1	9.7	9.2	8.7	10.0	9.0
85th percentile	60.7	59.5	60.7	60.7	58.3	57.1	65.2
Min	21.1	25.9	21.1	28.3	29.5	23.5	30.7
Max	91.8	83.4	82.2	83.4	91.8	90.6	77.5
Range	70.7	57.6	61.2	55.2	62.4	67.1	46.8

Table B.21: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 9

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	1.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%
30-34	7.8%	11.1%	5.0%	0.0%	7.7%	21.1%	0.0%
35-39	11.8%	0.0%	20.0%	25.0%	15.4%	5.3%	10.0%
40-44	22.5%	38.9%	10.0%	8.3%	23.1%	26.3%	25.0%
45-49	18.6%	5.6%	25.0%	16.7%	7.7%	26.3%	25.0%
50-54	13.7%	11.1%	10.0%	0.0%	30.8%	10.5%	20.0%
55-59	8.8%	11.1%	10.0%	25.0%	7.7%	5.3%	0.0%
60-64	6.9%	5.6%	10.0%	0.0%	7.7%	0.0%	15.0%
65-69	5.9%	11.1%	5.0%	16.7%	0.0%	5.3%	0.0%
70-74	1.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	2.0%	0.0%	0.0%	8.3%	0.0%	0.0%	5.0%
Total # of vehicles	102	18	20	12	13	19	20
Average speed	48.8	49.9	47.4	54.3	47.1	45.1	50.8
St. Dev.	11.3	11.7	10.3	15.7	8.7	9.3	11.8
85th percentile	60.3	64.8	58.6	66.3	55.1	53.0	60.7
Min	27.1	30.7	27.1	37.9	33.1	31.9	37.9
Max	91.8	70.3	65.5	91.8	61.9	67.9	90.6
Range	64.8	39.6	38.4	54.0	28.8	36.0	52.8

Table B.22: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 11

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.4%	0.5%	0.0%	0.0%
30-34	1.4%	0.0%	0.3%	0.4%	1.4%	7.5%	2.5%
35-39	3.8%	0.2%	2.7%	2.2%	4.3%	16.2%	4.4%
40-44	10.2%	7.2%	9.6%	3.0%	10.9%	28.9%	10.6%
45-49	21.0%	19.5%	23.2%	19.9%	18.0%	24.9%	21.3%
50-54	33.3%	36.5%	35.2%	35.4%	35.1%	15.6%	33.1%
55-59	19.7%	26.0%	18.9%	20.7%	20.4%	4.0%	20.0%
60-64	8.8%	8.9%	7.7%	15.9%	8.5%	2.3%	6.3%
65-69	0.9%	1.0%	0.8%	0.7%	0.9%	0.6%	1.3%
70-74	0.6%	0.2%	1.3%	0.7%	0.0%	0.0%	0.6%
>=75	0.3%	0.5%	0.3%	0.7%	0.0%	0.0%	0.0%
Total # of vehicles	1606	416	375	271	211	173	160
Average speed	52.2	53.7	52.5	54.1	51.9	45.3	51.6
St. Dev.	7.0	5.7	6.5	6.7	6.9	7.1	7.2
85th percentile	58.9	59.9	58.9	60.9	57.9	52.0	58.9
Min	27.5	39.7	34.6	27.5	28.5	31.6	30.6
Max	82.2	75.1	77.1	82.2	69.0	68.0	72.1
Range	54.7	35.4	42.5	54.7	40.5	36.5	41.5

Table B.23: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 11

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.4%	0.5%	0.0%	0.0%
30-34	1.2%	0.0%	0.0%	0.4%	1.0%	7.4%	3.0%
35-39	3.2%	0.3%	2.6%	1.6%	4.2%	12.1%	4.5%
40-44	8.6%	5.6%	7.8%	2.8%	8.9%	29.5%	6.0%
45-49	20.5%	19.6%	22.6%	17.4%	18.2%	25.5%	21.1%
50-54	34.3%	37.4%	36.5%	35.6%	35.4%	18.1%	33.1%
55-59	21.0%	27.0%	19.4%	22.7%	21.9%	4.0%	22.6%
60-64	9.3%	8.4%	8.4%	17.0%	9.4%	2.7%	7.5%
65-69	0.9%	1.0%	0.9%	0.8%	0.5%	0.7%	1.5%
70-74	0.6%	0.3%	1.4%	0.8%	0.0%	0.0%	0.8%
>=75	0.3%	0.5%	0.3%	0.4%	0.0%	0.0%	0.0%
Total # of vehicles	1459	393	345	247	192	149	133
Average speed	52.6	53.9	53.0	54.4	52.3	45.8	52.2
St. Dev.	6.8	5.5	6.3	6.4	6.7	7.1	7.4
85th percentile	59.9	59.9	58.9	60.9	58.9	52.8	59.9
Min	27.5	39.7	35.6	27.5	28.5	31.6	30.6
Max	79.2	75.1	77.1	79.2	69.0	68.0	72.1
Range	51.6	35.4	41.5	51.6	40.5	36.5	41.5

Table B.24: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 11

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	2.7%	0.0%	3.3%	0.0%	5.3%	8.3%	0.0%
35-39	10.2%	0.0%	3.3%	8.3%	5.3%	41.7%	3.7%
40-44	26.5%	34.8%	30.0%	4.2%	31.6%	25.0%	33.3%
45-49	25.9%	17.4%	30.0%	45.8%	15.8%	20.8%	22.2%
50-54	23.1%	21.7%	20.0%	33.3%	31.6%	0.0%	33.3%
55-59	6.8%	8.7%	13.3%	0.0%	5.3%	4.2%	7.4%
60-64	3.4%	17.4%	0.0%	4.2%	0.0%	0.0%	0.0%
65-69	0.7%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%
70-74	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	0.7%	0.0%	0.0%	4.2%	0.0%	0.0%	0.0%
Total # of vehicles	147	23	30	24	19	24	27
Average speed	47.9	50.5	47.8	50.5	48.0	42.0	48.6
St. Dev.	7.3	7.4	6.1	8.3	7.9	6.2	5.1
85th percentile	53.8	60.0	54.9	53.8	53.8	47.3	53.8
Min	30.6	40.7	34.6	39.7	30.6	32.6	37.6
Max	82.2	65.0	59.9	82.2	66.0	59.9	57.9
Range	51.6	24.3	25.3	42.5	35.4	27.3	20.3

Table B.25: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 13

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
25-29	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%
30-34	0.6%	0.2%	0.0%	0.0%	0.0%	3.1%	2.5%
35-39	3.1%	0.7%	1.9%	2.2%	0.9%	12.9%	6.3%
40-44	11.1%	6.3%	12.8%	5.1%	5.7%	27.6%	20.3%
45-49	28.4%	27.1%	25.0%	30.4%	29.7%	33.1%	30.4%
50-54	26.3%	28.7%	31.9%	24.5%	30.7%	11.7%	19.0%
55-59	22.1%	27.3%	19.4%	27.8%	26.4%	8.6%	13.3%
60-64	5.1%	6.5%	6.1%	7.3%	4.7%	0.0%	1.3%
65-69	2.3%	3.1%	2.4%	1.5%	1.9%	0.6%	3.2%
70-74	0.6%	0.0%	0.3%	1.1%	0.0%	1.2%	1.9%
>=75	0.1%	0.0%	0.3%	0.0%	0.0%	0.6%	0.0%
Total # of vehicles	1596	414	376	273	212	163	158
Average speed	51.6	52.9	52.0	52.8	52.5	46.3	49.0
St. Dev.	6.7	5.8	6.3	6.1	5.4	7.4	8.2
85th percentile	58.0	58.9	58.0	58.2	58.0	52.7	55.7
Min	22.2	34.7	35.6	35.6	36.5	22.2	29.4
Max	81.3	68.8	81.3	73.3	69.7	75.9	74.1
Range	59.1	34.0	45.7	37.6	33.1	53.7	44.8

Table B.26: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 13

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
25-29	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%
30-34	0.6%	0.0%	0.0%	0.0%	0.0%	3.0%	3.0%
35-39	2.9%	0.8%	2.0%	2.4%	1.1%	12.8%	4.5%
40-44	9.5%	5.3%	10.1%	4.3%	5.3%	27.1%	18.2%
45-49	27.5%	26.1%	25.2%	27.3%	28.6%	33.8%	30.3%
50-54	27.2%	28.8%	32.5%	25.7%	31.2%	12.0%	21.2%
55-59	23.8%	28.8%	20.6%	29.6%	27.5%	9.8%	15.9%
60-64	5.5%	6.9%	6.4%	7.9%	4.8%	0.0%	1.5%
65-69	2.2%	3.4%	2.6%	1.6%	1.6%	0.0%	1.5%
70-74	0.5%	0.0%	0.3%	1.2%	0.0%	0.8%	1.5%
>=75	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	1431	379	345	253	189	133	132
Average speed	51.9	53.3	52.3	53.2	52.7	46.1	49.1
St. Dev.	6.5	5.7	6.2	6.1	5.3	6.7	7.9
85th percentile	58.0	58.9	58.0	58.9	58.0	52.7	55.7
Min	22.2	35.6	35.6	35.6	36.5	22.2	29.4
Max	81.3	68.8	81.3	73.3	69.7	73.3	74.1
Range	59.1	33.1	45.7	37.6	33.1	51.0	44.8

Table B.27: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 13

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.2%	2.9%	0.0%	0.0%	0.0%	3.3%	0.0%
35-39	4.8%	0.0%	0.0%	0.0%	0.0%	13.3%	15.4%
40-44	24.8%	17.1%	41.9%	15.0%	8.7%	30.0%	30.8%
45-49	36.4%	37.1%	22.6%	70.0%	39.1%	30.0%	30.8%
50-54	18.8%	28.6%	25.8%	10.0%	26.1%	10.0%	7.7%
55-59	7.3%	11.4%	6.5%	5.0%	17.4%	3.3%	0.0%
60-64	1.8%	2.9%	3.2%	0.0%	4.3%	0.0%	0.0%
65-69	3.0%	0.0%	0.0%	0.0%	4.3%	3.3%	11.5%
70-74	1.2%	0.0%	0.0%	0.0%	0.0%	3.3%	3.8%
>=75	0.6%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%
Total # of vehicles	165	35	31	20	23	30	26
Average speed	48.8	49.5	48.3	47.9	51.4	47.3	48.5
St. Dev.	7.2	5.7	5.9	3.2	5.9	9.7	9.8
85th percentile	54.4	54.4	54.4	50.1	56.9	53.2	55.1
Min	34.7	34.7	41.0	41.0	42.8	34.7	36.5
Max	75.9	63.4	63.4	55.3	66.1	75.9	73.3
Range	41.2	28.7	22.4	14.3	23.3	41.2	36.7

Table B.28: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 15

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.8%	0.5%	0.8%	0.7%	0.5%	0.0%	3.2%
35-39	2.2%	2.0%	2.5%	1.5%	1.0%	1.8%	5.8%
40-44	7.0%	4.9%	5.2%	3.7%	4.8%	16.6%	15.5%
45-49	10.4%	8.1%	9.5%	8.5%	9.6%	18.3%	14.8%
50-54	21.8%	23.8%	24.8%	17.7%	16.7%	20.7%	24.5%
55-59	22.0%	22.8%	24.0%	22.5%	24.4%	16.0%	17.4%
60-64	17.2%	15.2%	15.3%	21.8%	22.0%	17.8%	12.3%
65-69	7.5%	11.0%	6.3%	10.0%	8.1%	1.8%	2.6%
70-74	5.8%	6.1%	6.5%	6.6%	7.2%	3.0%	3.2%
>=75	5.1%	5.6%	5.2%	7.0%	5.7%	4.1%	0.0%
Total # of vehicles	1579	408	367	271	209	169	155
Average speed	57.3	58.3	57.5	59.5	59.2	54.2	51.6
St. Dev.	9.8	9.6	9.5	9.5	9.4	9.6	9.3
85th percentile	67.6	68.5	66.7	68.9	69.3	62.4	61.5
Min	24.0	31.8	31.8	31.0	31.8	35.3	24.0
Max	88.5	87.6	86.8	88.5	88.5	86.8	73.7
Range	64.5	55.8	54.9	57.5	56.7	51.4	49.7

Table B.29: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 15

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.9%	0.6%	1.0%	0.9%	0.6%	0.0%	3.4%
35-39	2.6%	2.3%	3.0%	1.3%	0.6%	2.4%	7.6%
40-44	7.1%	5.0%	5.7%	3.5%	4.8%	18.3%	15.3%
45-49	10.9%	8.7%	10.3%	9.2%	9.0%	20.6%	14.4%
50-54	23.2%	25.7%	26.3%	17.9%	18.1%	22.2%	26.3%
55-59	22.7%	22.4%	24.0%	24.5%	28.3%	15.9%	16.1%
60-64	16.5%	14.9%	15.0%	21.4%	21.7%	15.1%	10.2%
65-69	7.9%	11.4%	6.7%	10.5%	7.8%	1.6%	2.5%
70-74	5.0%	5.0%	5.7%	6.6%	5.4%	1.6%	3.4%
>=75	3.1%	4.1%	2.3%	4.4%	3.6%	2.4%	0.0%
Total # of vehicles	1282	343	300	229	166	126	118
Average speed	56.5	57.6	56.4	58.9	58.3	52.8	51.0
St. Dev.	9.2	9.2	8.9	8.7	8.4	8.7	9.5
85th percentile	65.8	67.6	65.0	67.6	65.8	61.5	61.5
Min	24.0	31.8	31.8	31.0	31.8	35.3	24.0
Max	87.6	87.6	86.8	79.8	85.9	83.3	73.7
Range	63.6	55.8	54.9	48.8	54.1	48.0	49.7

Table B.30: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 15

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%
35-39	0.7%	0.0%	0.0%	2.4%	2.3%	0.0%	0.0%
40-44	6.7%	4.6%	3.0%	4.8%	4.7%	11.6%	16.2%
45-49	8.4%	4.6%	6.0%	4.8%	11.6%	11.6%	16.2%
50-54	15.8%	13.8%	17.9%	16.7%	11.6%	16.3%	18.9%
55-59	18.9%	24.6%	23.9%	11.9%	9.3%	16.3%	21.6%
60-64	20.2%	16.9%	16.4%	23.8%	23.3%	25.6%	18.9%
65-69	6.1%	9.2%	4.5%	7.1%	9.3%	2.3%	2.7%
70-74	9.4%	12.3%	10.4%	7.1%	14.0%	7.0%	2.7%
>=75	13.5%	13.8%	17.9%	21.4%	14.0%	9.3%	0.0%
Total # of vehicles	297	65	67	42	43	43	37
Average speed	60.8	62.0	62.4	63.0	62.6	58.4	53.8
St. Dev.	11.2	10.6	10.7	12.5	11.9	11.0	8.4
85th percentile	73.7	74.0	76.3	77.0	74.6	69.2	62.0
Min	32.7	40.6	44.0	37.1	37.9	40.6	32.7
Max	88.5	84.2	85.9	88.5	88.5	86.8	71.9
Range	55.8	43.6	41.9	51.4	50.6	46.2	39.2

Table B.31: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 17

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.4%	0.5%	0.0%	0.0%
30-34	0.4%	0.5%	0.3%	0.0%	0.0%	0.0%	2.5%
35-39	2.3%	3.4%	2.7%	1.5%	1.0%	0.6%	3.2%
40-44	4.7%	4.9%	2.4%	4.2%	1.9%	4.8%	14.0%
45-49	13.4%	13.2%	12.7%	10.7%	12.4%	16.1%	18.5%
50-54	20.7%	22.2%	22.8%	18.4%	17.1%	23.8%	17.2%
55-59	20.8%	22.2%	20.4%	19.2%	25.2%	19.6%	15.9%
60-64	19.3%	16.1%	21.2%	24.1%	20.5%	17.3%	15.9%
65-69	9.8%	9.0%	9.5%	11.5%	12.4%	10.1%	5.7%
70-74	5.3%	5.1%	4.5%	5.7%	7.1%	4.8%	5.1%
>=75	3.1%	3.2%	3.4%	4.2%	1.9%	3.0%	1.9%
Total # of vehicles	1582	409	377	261	210	168	157
Average speed	57.3	56.7	57.6	58.6	58.5	57.3	53.9
St. Dev.	9.1	9.2	8.7	9.3	8.3	8.7	10.1
85th percentile	66.6	66.6	66.3	67.4	67.9	66.6	63.4
Min	28.3	33.1	33.9	28.3	28.3	39.5	30.7
Max	84.1	81.8	83.3	84.1	78.6	84.1	82.5
Range	55.9	48.7	49.5	55.9	50.3	44.7	51.9

Table B.32: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 17

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
30-34	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%	3.4%
35-39	2.5%	3.8%	3.1%	2.0%	1.2%	0.0%	2.6%
40-44	5.1%	4.4%	2.7%	5.4%	2.4%	6.6%	14.5%
45-49	15.1%	15.1%	13.6%	12.3%	14.5%	18.9%	20.5%
50-54	22.9%	23.6%	25.2%	20.6%	19.9%	27.9%	18.8%
55-59	21.0%	23.0%	21.4%	17.6%	25.9%	18.0%	16.2%
60-64	19.4%	17.0%	20.7%	26.0%	18.1%	18.0%	14.5%
65-69	8.3%	7.5%	7.5%	9.3%	12.7%	8.2%	4.3%
70-74	3.4%	4.4%	3.7%	2.5%	3.0%	1.6%	3.4%
>=75	2.0%	1.3%	1.7%	3.9%	2.4%	0.8%	1.7%
Total # of vehicles	1221	318	294	204	166	122	117
Average speed	56.2	55.9	56.4	57.3	57.6	55.6	52.8
St. Dev.	8.5	8.4	8.1	9.2	7.9	7.5	9.8
85th percentile	65.0	64.2	63.4	65.8	66.6	63.4	61.8
Min	28.3	37.1	33.9	28.3	38.7	40.3	30.7
Max	84.1	81.0	83.3	84.1	78.6	80.2	82.5
Range	55.9	43.9	49.5	55.9	39.9	39.9	51.9

Table B.33: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 17

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.3%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%
30-34	0.6%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	1.7%	2.2%	1.2%	0.0%	0.0%	2.2%	5.0%
40-44	3.3%	6.6%	1.2%	0.0%	0.0%	0.0%	12.5%
45-49	7.8%	6.6%	9.6%	5.3%	4.5%	8.7%	12.5%
50-54	13.3%	17.6%	14.5%	10.5%	6.8%	13.0%	12.5%
55-59	20.2%	19.8%	16.9%	24.6%	22.7%	23.9%	15.0%
60-64	19.1%	13.2%	22.9%	17.5%	29.5%	15.2%	20.0%
65-69	15.0%	14.3%	16.9%	19.3%	11.4%	15.2%	10.0%
70-74	11.9%	7.7%	7.2%	17.5%	22.7%	13.0%	10.0%
>=75	6.9%	9.9%	9.6%	5.3%	0.0%	8.7%	2.5%
Total # of vehicles	361	91	83	57	44	46	40
Average speed	61.0	59.5	61.9	63.2	62.1	62.0	57.1
St. Dev.	10.0	11.3	9.4	8.1	9.0	9.9	10.5
85th percentile	71.4	71.0	71.9	72.2	71.5	71.6	68.3
Min	28.3	33.1	37.9	45.8	28.3	39.5	36.3
Max	84.1	81.8	83.3	81.8	74.6	84.1	77.8
Range	55.9	48.7	45.5	35.9	46.3	44.7	41.5

Table B.34: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, Without RSS (Day 1), Pole 19

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
30-34	0.4%	1.0%	0.3%	0.7%	0.0%	0.0%	0.0%
35-39	1.7%	4.1%	0.3%	0.7%	0.9%	0.6%	2.6%
40-44	5.3%	5.6%	3.7%	5.9%	1.4%	5.2%	13.5%
45-49	17.2%	15.5%	18.5%	16.5%	16.8%	16.8%	20.6%
50-54	28.9%	27.3%	33.4%	26.5%	30.9%	28.9%	23.2%
55-59	26.9%	23.9%	28.2%	27.6%	30.5%	28.3%	23.9%
60-64	11.9%	14.0%	9.4%	13.2%	10.9%	14.5%	9.0%
65-69	5.1%	5.8%	5.2%	6.3%	5.0%	4.0%	2.6%
70-74	1.5%	1.7%	0.8%	1.5%	3.6%	0.0%	1.9%
>=75	0.9%	1.2%	0.3%	1.1%	0.0%	1.7%	1.9%
Total # of vehicles	1617	414	383	272	220	173	155
Average speed	54.7	54.6	54.5	55.2	55.6	55.2	52.9
St. Dev.	7.3	8.2	6.2	7.3	6.4	6.8	8.4
85th percentile	62.1	62.1	61.0	62.5	62.1	61.0	60.9
Min	27.2	31.4	34.6	34.6	37.8	37.8	27.2
Max	84.3	84.3	80.1	79.0	73.7	83.3	80.1
Range	57.1	52.9	45.5	44.4	36.0	45.5	52.9

Table B.35: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, Without RSS (Day 1), Pole 19

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%
30-34	0.4%	0.8%	0.3%	0.8%	0.0%	0.0%	0.0%
35-39	1.6%	3.9%	0.3%	0.8%	1.0%	0.0%	3.1%
40-44	5.3%	5.7%	3.4%	6.3%	1.5%	4.2%	13.8%
45-49	16.7%	15.1%	18.9%	16.3%	17.0%	16.0%	16.2%
50-54	28.8%	26.9%	32.9%	27.0%	29.5%	30.6%	23.8%
55-59	26.9%	24.3%	28.3%	25.8%	30.5%	29.2%	25.4%
60-64	12.7%	14.6%	10.3%	13.9%	12.0%	15.3%	10.0%
65-69	5.1%	6.0%	4.6%	6.3%	5.5%	4.2%	2.3%
70-74	1.5%	1.6%	0.9%	1.6%	3.0%	0.0%	2.3%
>=75	0.8%	1.0%	0.3%	1.2%	0.0%	0.7%	2.3%
Total # of vehicles	1459	383	350	252	200	144	130
Average speed	54.8	54.7	54.5	55.2	55.6	55.3	53.3
St. Dev.	7.2	8.0	6.2	7.5	6.4	6.1	8.7
85th percentile	62.1	62.1	61.0	63.2	62.1	61.0	61.0
Min	27.2	31.4	34.6	34.6	37.8	41.0	27.2
Max	81.1	81.1	80.1	79.0	73.7	78.0	80.1
Range	53.9	49.7	45.5	44.4	36.0	37.0	52.9

Table B.36: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, Without RSS (Day 1), Pole 19

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.6%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	1.9%	6.5%	0.0%	0.0%	0.0%	3.4%	0.0%
40-44	5.7%	3.2%	6.1%	0.0%	0.0%	10.3%	12.0%
45-49	22.2%	19.4%	15.2%	20.0%	15.0%	20.7%	44.0%
50-54	29.7%	32.3%	39.4%	20.0%	45.0%	20.7%	20.0%
55-59	26.6%	19.4%	27.3%	50.0%	30.0%	24.1%	16.0%
60-64	4.4%	6.5%	0.0%	5.0%	0.0%	10.3%	4.0%
65-69	5.1%	3.2%	12.1%	5.0%	0.0%	3.4%	4.0%
70-74	1.9%	3.2%	0.0%	0.0%	10.0%	0.0%	0.0%
>=75	1.9%	3.2%	0.0%	0.0%	0.0%	6.9%	0.0%
Total # of vehicles	158	31	33	20	20	29	25
Average speed	54.0	53.4	54.6	55.4	55.0	54.9	50.9
St. Dev.	7.7	9.8	6.1	5.0	6.8	9.6	6.2
85th percentile	58.9	60.0	58.1	59.1	57.0	62.7	56.2
Min	31.4	31.4	42.0	48.4	46.2	37.8	42.0
Max	84.3	84.3	69.5	66.3	73.7	83.3	67.4
Range	52.9	52.9	27.5	18.0	27.5	45.5	25.4

Table B.37: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), RWA

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.3%	0.3%	0.7%	0.3%	0.0%	0.4%	0.0%
35-39	1.0%	1.0%	1.1%	0.6%	0.9%	1.2%	1.3%
40-44	3.3%	3.7%	1.6%	3.3%	2.7%	3.6%	5.9%
45-49	8.3%	7.5%	9.1%	7.7%	7.4%	9.9%	9.3%
50-54	22.8%	22.6%	23.2%	22.8%	19.0%	22.5%	28.4%
55-59	21.9%	19.7%	19.6%	23.7%	24.6%	23.7%	22.9%
60-64	21.1%	21.4%	23.5%	19.3%	22.3%	21.3%	16.5%
65-69	11.3%	11.1%	11.2%	12.8%	13.1%	9.9%	8.9%
70-74	6.3%	7.7%	6.2%	5.3%	7.1%	5.1%	5.1%
>=75	3.6%	4.9%	3.9%	4.2%	3.0%	2.4%	1.7%
Total # of vehicles	2177	575	439	337	337	253	236
Average speed	58.7	59.2	58.8	59.0	59.3	57.8	56.7
St. Dev.	8.7	9.2	8.6	8.9	8.1	8.7	8.1
85th percentile	67.6	68.8	67.6	67.6	68.2	66.5	65.8
Min	27.9	27.9	30.6	34.5	38.0	30.5	35.2
Max	93.8	91.8	87.0	93.8	79.7	91.7	77.5
Range	65.9	64.0	56.4	59.3	41.6	61.2	42.2

Table B.38: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), RWA

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.3%	0.4%	0.5%	0.3%	0.0%	0.5%	0.0%
35-39	0.9%	0.9%	0.7%	0.7%	0.6%	0.9%	1.4%
40-44	3.0%	3.6%	1.2%	3.3%	2.2%	3.6%	5.2%
45-49	7.9%	6.8%	8.7%	7.7%	7.3%	9.0%	9.4%
50-54	22.1%	22.6%	23.2%	20.0%	18.8%	21.7%	26.8%
55-59	22.4%	20.5%	19.5%	25.3%	25.6%	23.1%	23.5%
60-64	21.9%	21.8%	24.4%	20.0%	23.0%	23.5%	16.9%
65-69	11.6%	11.0%	11.2%	12.7%	13.4%	11.3%	9.9%
70-74	6.3%	7.6%	6.5%	6.0%	6.4%	4.5%	5.2%
>=75	3.4%	4.6%	4.0%	4.0%	2.6%	1.8%	1.9%
Total # of vehicles	1975	527	401	300	313	221	213
Average speed	58.8	59.2	59.1	59.2	59.3	58.1	57.0
St. Dev.	8.5	9.1	8.3	8.9	7.7	8.5	8.2
85th percentile	67.6	68.8	67.6	67.6	67.1	66.5	65.8
Min	27.9	27.9	30.6	34.5	39.5	30.5	35.2
Max	93.8	91.8	82.4	93.8	79.7	91.7	77.5
Range	65.9	64.0	51.8	59.3	40.2	61.2	42.2

Table B.39: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), RWA

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.5%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%
35-39	2.5%	2.1%	5.3%	0.0%	4.2%	3.1%	0.0%
40-44	5.4%	4.2%	5.3%	2.7%	8.3%	3.1%	13.0%
45-49	11.9%	14.6%	13.2%	8.1%	8.3%	15.6%	8.7%
50-54	30.2%	22.9%	23.7%	45.9%	20.8%	28.1%	43.5%
55-59	16.3%	10.4%	21.1%	10.8%	12.5%	28.1%	17.4%
60-64	12.9%	16.7%	13.2%	13.5%	12.5%	6.3%	13.0%
65-69	8.4%	12.5%	10.5%	13.5%	8.3%	0.0%	0.0%
70-74	6.4%	8.3%	2.6%	0.0%	16.7%	9.4%	4.3%
>=75	5.4%	8.3%	2.6%	5.4%	8.3%	6.3%	0.0%
Total # of vehicles	202	48	38	37	24	32	23
Average speed	57.1	59.3	55.5	57.1	59.5	55.9	53.9
St. Dev.	10.2	11.1	10.7	8.8	12.1	9.7	7.2
85th percentile	68.8	70.4	65.7	66.3	74.1	66.2	61.6
Min	31.6	37.5	31.6	44.5	38.0	35.3	41.7
Max	87.1	87.1	87.0	85.1	79.7	78.4	71.3
Range	55.5	49.6	55.5	40.7	41.6	43.1	29.6

Table B.40: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), End of Taper

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	1.4%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	4.8%	14.9%	2.4%	0.0%	0.0%	0.0%	0.0%
15-19	3.7%	11.6%	1.2%	0.0%	0.0%	0.7%	0.0%
20-24	1.6%	3.3%	2.0%	0.0%	0.5%	0.7%	0.9%
25-29	2.3%	4.1%	4.0%	0.5%	1.1%	0.7%	0.0%
30-34	2.8%	4.4%	4.8%	1.0%	1.6%	0.7%	0.9%
35-39	3.5%	5.5%	4.8%	2.4%	1.1%	3.5%	0.0%
40-44	6.7%	7.2%	8.0%	4.9%	3.8%	9.1%	7.4%
45-49	10.3%	8.5%	12.8%	9.8%	12.0%	7.7%	12.0%
50-54	19.2%	11.3%	19.2%	26.3%	23.4%	19.6%	24.1%
55-59	16.8%	10.7%	16.8%	20.0%	22.3%	19.6%	18.5%
60-64	12.5%	6.1%	12.0%	15.6%	16.3%	14.7%	19.4%
65-69	6.5%	5.0%	6.0%	6.3%	7.6%	9.1%	8.3%
70-74	3.4%	0.8%	3.6%	4.4%	4.9%	6.3%	2.8%
>=75	4.6%	1.9%	2.4%	8.8%	5.4%	7.7%	5.6%
Total # of vehicles	1253	363	250	205	184	143	108
Average speed	50.3	37.9	50.7	57.6	56.9	57.2	57.0
St. Dev.	16.9	20.0	14.1	10.6	10.4	12.3	10.2
85th percentile	64.1	59.3	63.1	69.2	66.0	68.9	66.0
Min	3.5	3.5	12.2	26.6	23.7	19.9	24.7
Max	88.1	82.3	85.2	86.1	86.1	88.1	87.1
Range	84.5	78.8	73.0	59.5	62.4	68.2	62.4

Table B.41: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), End of Taper

Vehicle Speed (0-25 FT Vehicles)	Total	Time					
		22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	1.6%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	5.2%	15.2%	3.1%	0.0%	0.0%	0.0%	0.0%
15-19	4.0%	11.9%	1.6%	0.0%	0.0%	1.0%	0.0%
20-24	1.4%	2.6%	2.1%	0.0%	0.7%	0.0%	1.2%
25-29	2.2%	4.3%	4.2%	0.0%	0.0%	1.0%	0.0%
30-34	3.0%	4.6%	4.7%	1.2%	2.0%	1.0%	1.2%
35-39	3.5%	5.3%	4.2%	3.1%	1.4%	4.0%	0.0%
40-44	6.9%	7.9%	7.3%	6.1%	2.7%	9.0%	8.1%
45-49	10.1%	8.3%	12.0%	8.6%	12.2%	10.0%	11.6%
50-54	18.1%	11.2%	22.0%	23.9%	20.3%	16.0%	20.9%
55-59	17.1%	10.6%	15.2%	20.2%	26.4%	18.0%	20.9%
60-64	13.5%	6.3%	14.1%	17.2%	18.2%	18.0%	17.4%
65-69	6.2%	4.0%	5.2%	7.4%	7.4%	7.0%	10.5%
70-74	3.2%	1.0%	2.1%	4.3%	5.4%	8.0%	2.3%
>=75	3.9%	1.7%	2.1%	8.0%	3.4%	7.0%	5.8%
Total # of vehicles	991	303	191	163	148	100	86
Average speed	49.7	37.4	50.0	57.5	57.0	57.1	56.9
St. Dev.	17.1	20.0	14.3	10.5	9.5	12.5	10.4
85th percentile	64.1	59.0	63.1	68.9	65.0	69.1	66.9
Min	3.5	3.5	12.2	30.4	23.7	19.9	24.7
Max	88.1	82.3	85.2	86.1	86.1	88.1	86.1
Range	84.5	78.8	73.0	55.7	62.4	68.2	61.5

Table B.42: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), End of Taper

Vehicle Speed (>25 FT Vehicles)	Total	Time					
		22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.4%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	3.1%	13.3%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	2.3%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	2.3%	6.7%	1.7%	0.0%	0.0%	2.3%	0.0%
25-29	2.7%	3.3%	3.4%	2.4%	5.6%	0.0%	0.0%
30-34	1.9%	3.3%	5.1%	0.0%	0.0%	0.0%	0.0%
35-39	3.4%	6.7%	6.8%	0.0%	0.0%	2.3%	0.0%
40-44	6.1%	3.3%	10.2%	0.0%	8.3%	9.3%	4.5%
45-49	11.1%	10.0%	15.3%	14.3%	11.1%	2.3%	13.6%
50-54	23.3%	11.7%	10.2%	35.7%	36.1%	27.9%	36.4%
55-59	16.0%	11.7%	22.0%	19.0%	5.6%	23.3%	9.1%
60-64	8.4%	5.0%	5.1%	9.5%	8.3%	7.0%	27.3%
65-69	8.0%	10.0%	8.5%	2.4%	8.3%	14.0%	0.0%
70-74	3.8%	0.0%	8.5%	4.8%	2.8%	2.3%	4.5%
>=75	7.3%	3.3%	3.4%	11.9%	13.9%	9.3%	4.5%
Total # of vehicles	262	60	59	42	36	43	22
Average speed	52.5	40.8	53.0	57.6	56.8	57.3	57.3
St. Dev.	15.8	20.1	13.5	11.2	13.6	11.9	9.6
85th percentile	66.9	63.1	69.1	71.4	70.1	68.9	63.1
Min	9.3	9.3	23.7	26.6	26.6	21.8	44.8
Max	87.1	78.5	82.3	86.1	86.1	84.2	87.1
Range	77.8	69.1	58.6	59.5	59.5	62.4	42.3

Table B.43: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 2

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	2.1%	6.2%	2.3%	0.0%	0.0%	0.0%	0.0%
10-14	14.5%	40.8%	19.2%	0.0%	0.0%	0.0%	0.0%
15-19	14.7%	35.6%	25.6%	0.0%	0.0%	0.0%	0.0%
20-24	5.5%	13.2%	9.7%	0.0%	0.0%	0.0%	0.0%
25-29	1.7%	3.0%	3.6%	0.0%	0.4%	0.5%	0.0%
30-34	1.2%	1.0%	3.1%	0.4%	0.4%	0.5%	0.0%
35-39	1.4%	0.2%	2.6%	1.1%	0.0%	3.4%	1.5%
40-44	4.6%	0.0%	7.7%	8.5%	3.7%	2.9%	5.2%
45-49	9.3%	0.0%	8.2%	12.9%	11.8%	20.6%	11.2%
50-54	14.6%	0.0%	7.9%	26.2%	21.1%	26.5%	24.6%
55-59	16.7%	0.0%	8.4%	25.1%	30.5%	28.4%	31.3%
60-64	8.2%	0.0%	1.0%	14.0%	19.9%	12.7%	13.4%
65-69	4.0%	0.0%	0.8%	9.2%	8.9%	4.4%	5.2%
70-74	1.0%	0.0%	0.0%	2.2%	2.0%	0.0%	4.5%
>=75	0.5%	0.0%	0.0%	0.4%	1.2%	0.0%	3.0%
Total # of vehicles	1648	402	391	271	246	204	134
Average speed	39.8	16.2	29.6	55.3	56.9	53.8	56.5
St. Dev.	19.7	4.2	16.5	7.7	7.3	6.8	8.3
85th percentile	59.5	20.0	52.0	63.7	63.7	60.4	64.6
Min	5.7	5.7	5.7	30.9	28.4	28.4	35.1
Max	82.2	36.8	68.8	77.2	82.2	69.6	81.4
Range	76.5	31.1	63.1	46.2	53.8	41.2	46.2

Table B.44: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 2

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	2.3%	6.5%	2.5%	0.0%	0.0%	0.0%	0.0%
10-14	15.6%	40.9%	20.2%	0.0%	0.0%	0.0%	0.0%
15-19	16.0%	35.7%	27.2%	0.0%	0.0%	0.0%	0.0%
20-24	5.6%	12.5%	9.5%	0.0%	0.0%	0.0%	0.0%
25-29	1.8%	3.1%	3.4%	0.0%	0.5%	0.6%	0.0%
30-34	1.1%	1.0%	2.5%	0.4%	0.5%	0.6%	0.0%
35-39	1.2%	0.3%	2.5%	1.3%	0.0%	1.2%	1.9%
40-44	3.9%	0.0%	7.3%	6.4%	3.2%	1.8%	5.7%
45-49	8.3%	0.0%	7.0%	11.4%	10.6%	21.6%	9.4%
50-54	13.8%	0.0%	7.8%	26.7%	20.4%	24.6%	24.5%
55-59	17.4%	0.0%	8.4%	27.5%	32.4%	32.3%	34.0%
60-64	8.1%	0.0%	1.1%	14.0%	20.8%	13.2%	14.2%
65-69	3.8%	0.0%	0.6%	9.7%	8.8%	4.2%	3.8%
70-74	0.9%	0.0%	0.0%	2.5%	1.4%	0.0%	3.8%
>=75	0.4%	0.0%	0.0%	0.0%	1.4%	0.0%	2.8%
Total # of vehicles	1466	384	357	236	216	167	106
Average speed	38.9	16.2	28.9	55.7	57.1	54.4	56.3
St. Dev.	20.0	4.2	16.5	7.4	7.1	6.4	8.1
85th percentile	58.7	20.0	52.0	63.7	63.7	60.4	62.9
Min	5.7	5.7	5.7	30.9	28.4	28.4	35.1
Max	82.2	36.8	68.8	73.0	82.2	69.6	81.4
Range	76.5	31.1	63.1	42.0	53.8	41.2	46.2

Table B.45: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 2

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	5.5%	38.9%	8.8%	0.0%	0.0%	0.0%	0.0%
15-19	4.9%	33.3%	8.8%	0.0%	0.0%	0.0%	0.0%
20-24	4.9%	27.8%	11.8%	0.0%	0.0%	0.0%	0.0%
25-29	1.1%	0.0%	5.9%	0.0%	0.0%	0.0%	0.0%
30-34	1.6%	0.0%	8.8%	0.0%	0.0%	0.0%	0.0%
35-39	3.3%	0.0%	2.9%	0.0%	0.0%	13.5%	0.0%
40-44	9.9%	0.0%	11.8%	22.9%	6.7%	8.1%	3.6%
45-49	17.6%	0.0%	20.6%	22.9%	20.0%	16.2%	17.9%
50-54	21.4%	0.0%	8.8%	22.9%	26.7%	35.1%	25.0%
55-59	11.5%	0.0%	8.8%	8.6%	16.7%	10.8%	21.4%
60-64	8.8%	0.0%	0.0%	14.3%	13.3%	10.8%	10.7%
65-69	6.0%	0.0%	2.9%	5.7%	10.0%	5.4%	10.7%
70-74	2.2%	0.0%	0.0%	0.0%	6.7%	0.0%	7.1%
>=75	1.1%	0.0%	0.0%	2.9%	0.0%	0.0%	3.6%
Total # of vehicles	182	18	34	35	30	37	28
Average speed	47.0	17.3	37.1	52.3	55.7	51.1	57.0
St. Dev.	15.4	3.2	15.3	8.8	8.4	8.1	9.0
85th percentile	62.8	21.2	52.8	62.9	64.8	59.7	66.2
Min	12.4	12.4	12.4	40.2	42.7	37.7	41.0
Max	79.7	22.5	65.4	77.2	73.8	67.9	79.7
Range	67.3	10.1	53.0	37.0	31.1	30.3	38.7

Table B.46: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 4

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.6%	1.6%	1.0%	0.0%	0.0%	0.0%	0.0%
10-14	13.3%	33.4%	19.9%	0.0%	0.0%	0.0%	0.0%
15-19	24.7%	58.5%	41.3%	0.0%	0.0%	0.0%	0.0%
20-24	2.2%	5.4%	3.6%	0.0%	0.0%	0.0%	0.0%
25-29	0.6%	1.1%	1.3%	0.0%	0.0%	0.0%	0.0%
30-34	0.5%	0.0%	1.8%	0.0%	0.0%	0.5%	0.7%
35-39	2.5%	0.0%	4.8%	2.9%	0.4%	4.0%	5.0%
40-44	4.7%	0.0%	6.1%	7.6%	3.6%	6.4%	9.4%
45-49	11.2%	0.0%	7.4%	21.3%	17.1%	18.3%	16.5%
50-54	19.4%	0.0%	8.9%	31.8%	35.3%	38.6%	29.5%
55-59	11.5%	0.0%	3.1%	22.7%	21.8%	21.3%	16.5%
60-64	5.7%	0.0%	0.8%	8.7%	15.5%	7.4%	12.2%
65-69	1.6%	0.0%	0.0%	3.2%	4.0%	1.5%	3.6%
70-74	1.1%	0.0%	0.0%	1.4%	1.6%	1.5%	5.0%
>=75	0.4%	0.0%	0.0%	0.4%	0.8%	0.5%	1.4%
Total # of vehicles	1705	443	392	277	252	202	139
Average speed	37.7	16.2	26.5	53.1	55.0	52.6	53.8
St. Dev.	19.0	2.8	15.0	7.1	6.6	6.7	8.9
85th percentile	57.5	19.1	48.6	59.3	62.0	58.4	62.0
Min	6.5	6.5	8.3	35.2	37.9	31.6	33.4
Max	83.5	28.0	61.1	78.1	83.5	75.4	83.5
Range	76.9	21.5	52.8	42.9	45.6	43.8	50.1

Table B.47: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 4

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.7%	1.6%	1.1%	0.0%	0.0%	0.0%	0.0%
10-14	14.4%	34.0%	21.2%	0.0%	0.0%	0.0%	0.0%
15-19	26.5%	58.8%	43.6%	0.0%	0.0%	0.0%	0.0%
20-24	2.2%	4.9%	3.7%	0.0%	0.0%	0.0%	0.0%
25-29	0.4%	0.7%	0.8%	0.0%	0.0%	0.0%	0.0%
30-34	0.6%	0.0%	2.0%	0.0%	0.0%	0.6%	0.9%
35-39	2.1%	0.0%	4.0%	2.4%	0.0%	3.5%	16.1%
40-44	3.8%	0.0%	5.1%	5.6%	2.3%	5.9%	9.6%
45-49	9.6%	0.0%	6.5%	20.2%	15.8%	14.7%	12.3%
50-54	18.8%	0.0%	7.6%	32.7%	35.1%	41.2%	28.9%
55-59	12.2%	0.0%	3.4%	24.2%	23.9%	23.5%	19.3%
60-64	6.0%	0.0%	0.8%	9.7%	16.7%	7.6%	13.2%
65-69	1.6%	0.0%	0.0%	3.6%	4.1%	1.2%	4.4%
70-74	1.1%	0.0%	0.0%	1.6%	1.8%	1.8%	5.3%
>=75	0.1%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%
Total # of vehicles	1539	432	353	248	222	170	114
Average speed	36.8	16.1	25.4	53.6	55.5	52.9	53.9
St. Dev.	19.2	2.7	14.7	6.8	6.1	6.4	8.4
85th percentile	57.5	18.5	47.9	59.3	62.0	58.4	62.0
Min	6.5	6.5	8.3	35.2	41.4	31.6	33.4
Max	79.0	28.0	61.1	74.5	79.0	72.7	74.5
Range	72.5	21.5	52.8	39.4	37.6	41.2	41.2

Table B.48: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 4

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	2.4%	9.1%	7.7%	0.0%	0.0%	0.0%	0.0%
15-19	7.8%	45.5%	20.5%	0.0%	0.0%	0.0%	0.0%
20-24	2.4%	27.3%	2.6%	0.0%	0.0%	0.0%	0.0%
25-29	2.4%	18.2%	5.1%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	6.0%	0.0%	12.8%	6.9%	3.3%	6.3%	0.0%
40-44	13.3%	0.0%	15.4%	24.1%	13.3%	9.4%	8.0%
45-49	26.5%	0.0%	15.4%	31.0%	26.7%	37.5%	36.0%
50-54	25.3%	0.0%	20.5%	24.1%	36.7%	25.0%	32.0%
55-59	5.4%	0.0%	0.0%	10.3%	6.7%	9.4%	4.0%
60-64	3.6%	0.0%	0.0%	0.0%	6.7%	6.3%	8.0%
65-69	1.2%	0.0%	0.0%	0.0%	3.3%	3.1%	0.0%
70-74	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%
>=75	3.0%	0.0%	0.0%	3.4%	3.3%	3.1%	8.0%
Total # of vehicles	166	11	39	29	30	32	25
Average speed	45.6	20.4	36.1	48.6	51.6	50.9	53.7
St. Dev.	13.8	4.0	14.3	8.2	8.9	8.1	11.2
85th percentile	54.8	24.0	51.3	53.8	56.9	58.2	61.6
Min	12.8	13.7	12.8	35.2	37.9	37.9	40.5
Max	83.5	27.1	54.8	78.1	83.5	75.4	83.5
Range	70.7	13.4	42.0	42.9	45.6	37.6	42.9

Table B.49: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 6

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	2.0%	7.0%	1.0%	0.0%	0.0%	0.0%	0.0%
15-19	13.9%	34.6%	20.8%	0.0%	0.0%	0.0%	0.0%
20-24	18.4%	38.7%	34.7%	0.0%	0.0%	0.5%	0.0%
25-29	5.7%	14.2%	7.8%	0.0%	0.4%	0.0%	0.8%
30-34	2.9%	5.2%	4.6%	0.7%	0.8%	1.0%	1.6%
35-39	3.1%	0.0%	5.9%	5.1%	2.4%	3.9%	0.8%
40-44	6.6%	0.0%	8.8%	12.3%	5.6%	8.7%	8.6%
45-49	10.0%	0.0%	7.3%	15.6%	15.6%	20.8%	13.3%
50-54	14.4%	0.0%	6.1%	27.5%	25.2%	28.0%	19.5%
55-59	14.1%	0.0%	2.2%	26.1%	28.4%	23.7%	31.3%
60-64	5.8%	0.0%	0.7%	6.9%	14.0%	10.1%	17.2%
65-69	2.1%	0.0%	0.0%	5.1%	5.6%	1.4%	3.9%
70-74	0.5%	0.0%	0.0%	0.7%	1.2%	0.5%	2.3%
>=75	0.3%	0.0%	0.0%	0.0%	0.8%	1.4%	0.8%
Total # of vehicles	1715	445	409	276	250	207	128
Average speed	39.4	21.4	29.7	52.2	54.5	52.5	55.1
St. Dev.	16.6	4.6	12.0	7.5	7.9	8.0	8.3
85th percentile	57.3	26.0	45.9	58.4	61.5	59.4	62.6
Min	8.3	8.3	10.4	32.3	28.1	24.0	26.0
Max	87.6	34.4	62.6	74.0	85.5	87.6	80.3
Range	79.3	26.1	52.2	41.7	57.4	63.7	54.3

Table B.50: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 6

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	2.1%	7.0%	1.0%	0.0%	0.0%	0.0%	0.0%
15-19	14.7%	35.0%	21.5%	0.0%	0.0%	0.0%	0.0%
20-24	19.2%	38.3%	36.3%	0.0%	0.0%	0.6%	0.0%
25-29	5.7%	14.0%	7.8%	0.0%	0.0%	0.0%	0.9%
30-34	2.7%	5.1%	3.6%	0.8%	0.9%	0.6%	1.8%
35-39	2.6%	0.0%	5.4%	3.6%	1.7%	3.3%	0.9%
40-44	5.8%	0.0%	8.0%	11.1%	5.2%	7.7%	6.4%
45-49	9.4%	0.0%	7.3%	15.5%	15.0%	19.3%	11.8%
50-54	13.8%	0.0%	6.0%	27.4%	24.9%	27.1%	19.1%
55-59	14.7%	0.0%	2.3%	28.2%	30.0%	26.5%	32.7%
60-64	6.2%	0.0%	0.8%	7.5%	15.0%	11.0%	20.0%
65-69	2.1%	0.0%	0.0%	5.6%	5.2%	1.7%	3.6%
70-74	0.4%	0.0%	0.0%	0.4%	1.3%	0.6%	1.8%
>=75	0.4%	0.0%	0.0%	0.0%	0.9%	1.7%	0.9%
Total # of vehicles	1590	428	386	252	233	181	110
Average speed	39.2	21.4	29.4	52.8	55.0	53.1	55.5
St. Dev.	16.8	4.6	12.0	7.2	7.6	8.0	8.3
85th percentile	57.3	26.0	45.9	59.4	61.5	59.4	62.6
Min	8.3	8.3	10.4	32.3	31.3	24.0	26.0
Max	87.6	34.4	62.6	74.0	85.5	87.6	80.3
Range	79.3	26.1	52.2	41.7	54.3	63.7	54.3

Table B.51: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 6

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.8%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	4.8%	23.5%	8.7%	0.0%	0.0%	0.0%	0.0%
20-24	8.0%	47.1%	8.7%	0.0%	0.0%	0.0%	0.0%
25-29	4.8%	17.6%	8.7%	0.0%	5.9%	0.0%	0.0%
30-34	5.6%	5.9%	21.7%	0.0%	0.0%	3.8%	0.0%
35-39	9.6%	0.0%	13.0%	20.8%	11.8%	7.7%	0.0%
40-44	16.8%	0.0%	21.7%	25.0%	11.8%	15.4%	22.2%
45-49	17.6%	0.0%	8.7%	16.7%	23.5%	30.8%	22.2%
50-54	21.6%	0.0%	8.7%	29.2%	29.4%	34.6%	22.2%
55-59	5.6%	0.0%	0.0%	4.2%	5.9%	3.8%	22.2%
60-64	0.8%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%
65-69	2.4%	0.0%	0.0%	0.0%	11.8%	0.0%	5.6%
70-74	1.6%	0.0%	0.0%	4.2%	0.0%	0.0%	5.6%
>=75	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	125	17	23	24	17	26	18
Average speed	42.8	22.2	35.9	46.7	48.3	48.1	52.8
St. Dev.	12.6	4.2	10.3	7.8	9.8	6.9	8.4
85th percentile	53.2	26.7	47.0	51.1	53.6	53.4	57.8
Min	13.5	13.5	15.6	35.4	28.1	32.3	42.7
Max	73.0	31.3	52.1	72.0	68.8	62.6	73.0
Range	59.5	17.7	36.5	36.5	40.7	30.3	30.3

Table B.52: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 8

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
20-24	0.6%	1.3%	0.7%	0.0%	0.4%	0.0%	0.0%
25-29	2.3%	2.5%	6.0%	0.7%	0.4%	0.0%	0.9%
30-34	6.1%	10.1%	12.2%	1.1%	1.2%	1.0%	0.9%
35-39	13.3%	22.8%	24.9%	3.3%	1.2%	3.5%	1.7%
40-44	20.3%	39.1%	27.6%	9.9%	3.7%	6.0%	6.8%
45-49	15.3%	15.7%	16.7%	19.0%	9.8%	19.1%	5.1%
50-54	13.5%	6.7%	7.5%	22.0%	19.6%	21.1%	14.5%
55-59	13.8%	1.6%	2.5%	24.2%	29.8%	22.6%	26.5%
60-64	7.8%	0.2%	0.7%	11.7%	18.0%	14.6%	19.7%
65-69	3.9%	0.0%	0.7%	4.8%	10.6%	5.5%	10.3%
70-74	1.7%	0.0%	0.2%	2.9%	1.6%	4.5%	5.1%
>=75	1.4%	0.0%	0.0%	0.4%	3.7%	2.0%	8.5%
Total # of vehicles	1683	447	402	273	245	199	117
Average speed	48.5	41.6	41.3	53.4	57.2	55.0	59.0
St. Dev.	10.9	6.3	7.8	8.5	9.0	8.7	10.7
85th percentile	59.7	47.7	49.5	61.5	65.2	63.4	69.5
Min	18.1	22.7	18.1	29.2	24.6	30.1	25.5
Max	88.3	64.3	73.5	75.4	88.3	78.2	88.3
Range	70.2	41.6	55.5	46.2	63.8	48.1	62.8

Table B.53: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 8

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
20-24	0.6%	1.4%	0.8%	0.0%	0.4%	0.0%	0.0%
25-29	2.3%	2.6%	5.6%	0.8%	0.4%	0.0%	1.0%
30-34	6.2%	10.4%	12.0%	1.2%	0.9%	0.6%	1.0%
35-39	13.1%	22.4%	24.1%	2.8%	1.3%	2.8%	2.1%
40-44	21.5%	39.8%	29.1%	10.5%	4.0%	6.2%	8.3%
45-49	14.8%	15.5%	16.6%	18.2%	8.4%	18.1%	5.2%
50-54	12.7%	6.4%	7.5%	19.8%	18.9%	20.9%	12.5%
55-59	13.5%	1.4%	2.4%	25.9%	29.5%	24.3%	20.8%
60-64	8.2%	0.2%	0.8%	12.6%	18.9%	14.7%	22.9%
65-69	4.1%	0.0%	0.5%	4.9%	11.5%	6.2%	12.5%
70-74	1.6%	0.0%	0.3%	2.8%	1.8%	4.5%	5.2%
>=75	1.4%	0.0%	0.0%	0.4%	4.0%	1.7%	8.3%
Total # of vehicles	1546	425	374	247	227	177	96
Average speed	48.4	41.5	41.3	53.5	57.6	55.4	59.1
St. Dev.	10.9	6.3	7.7	8.6	9.0	8.5	11.0
85th percentile	60.6	47.7	49.5	61.6	65.2	63.4	69.6
Min	18.1	22.7	18.1	29.2	24.6	30.1	25.5
Max	88.3	64.3	73.5	75.4	88.3	78.2	87.4
Range	70.2	41.6	55.5	46.2	63.8	48.1	61.9

Table B.54: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 8

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	2.2%	0.0%	10.7%	0.0%	0.0%	0.0%	0.0%
30-34	5.1%	4.5%	14.3%	0.0%	5.6%	4.5%	0.0%
35-39	15.3%	31.8%	35.7%	7.7%	0.0%	9.1%	0.0%
40-44	7.3%	27.3%	7.1%	3.8%	0.0%	4.5%	0.0%
45-49	20.4%	18.2%	17.9%	26.9%	27.8%	27.3%	4.8%
50-54	22.6%	13.6%	7.1%	42.3%	27.8%	22.7%	23.8%
55-59	16.8%	4.5%	3.6%	7.7%	33.3%	9.1%	52.4%
60-64	4.4%	0.0%	0.0%	3.8%	5.6%	13.6%	4.8%
65-69	1.5%	0.0%	3.6%	3.8%	0.0%	0.0%	0.0%
70-74	2.2%	0.0%	0.0%	3.8%	0.0%	4.5%	4.8%
>=75	2.2%	0.0%	0.0%	0.0%	0.0%	4.5%	9.5%
Total # of vehicles	137	22	28	26	18	22	21
Average speed	49.4	43.4	40.8	51.9	52.1	52.4	58.7
St. Dev.	10.3	6.5	8.8	7.6	6.8	10.4	9.5
85th percentile	57.8	50.3	48.6	55.3	58.7	62.2	61.5
Min	29.2	31.9	29.2	35.6	32.9	34.7	45.8
Max	88.3	55.1	66.1	70.8	62.4	77.2	88.3
Range	59.1	23.1	37.0	35.1	29.6	42.5	42.5

Table B.55: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 10

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.6%	0.2%	0.7%	0.4%	0.4%	0.5%	2.8%
20-24	1.1%	1.4%	1.7%	0.4%	0.9%	0.0%	1.9%
25-29	3.1%	4.3%	6.1%	0.7%	0.4%	2.6%	0.0%
30-34	6.5%	7.9%	12.0%	4.4%	1.7%	2.6%	1.9%
35-39	14.6%	23.4%	23.3%	8.5%	4.3%	5.1%	0.9%
40-44	19.3%	25.6%	24.5%	22.9%	5.2%	12.2%	7.4%
45-49	21.0%	22.2%	19.9%	26.2%	17.7%	20.9%	13.9%
50-54	13.6%	8.6%	6.1%	14.8%	24.6%	24.0%	17.6%
55-59	8.0%	3.9%	3.2%	11.8%	13.8%	9.7%	18.5%
60-64	6.2%	1.6%	1.2%	5.9%	14.2%	12.2%	16.7%
65-69	3.6%	0.9%	1.2%	2.6%	9.5%	5.1%	10.2%
70-74	1.1%	0.0%	0.0%	0.4%	3.4%	3.1%	3.7%
>=75	1.3%	0.0%	0.0%	1.1%	3.9%	2.0%	4.6%
Total # of vehicles	1656	441	408	271	232	196	108
Average speed	46.8	42.5	41.2	48.4	55.0	51.8	55.2
St. Dev.	10.9	8.0	8.4	9.3	11.0	10.5	12.6
85th percentile	58.3	49.9	48.7	58.3	65.5	61.9	66.7
Min	16.3	17.5	17.5	19.9	18.7	19.9	16.3
Max	88.2	67.9	69.1	81.0	88.2	83.4	84.6
Range	71.9	50.4	51.6	61.2	69.5	63.6	68.3

Table B.56: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 10

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.6%	0.2%	0.8%	0.4%	0.5%	0.0%	3.1%
20-24	1.1%	1.4%	1.6%	0.4%	0.9%	0.0%	2.1%
25-29	3.0%	4.3%	5.7%	0.8%	0.5%	2.4%	0.0%
30-34	6.6%	7.8%	12.7%	4.7%	1.4%	2.4%	2.1%
35-39	14.8%	23.4%	23.3%	7.9%	4.1%	5.9%	1.0%
40-44	19.7%	26.2%	25.1%	22.4%	5.0%	12.4%	8.3%
45-49	20.6%	21.5%	19.9%	26.0%	17.6%	19.4%	13.5%
50-54	13.6%	8.7%	6.2%	15.7%	25.2%	23.5%	14.6%
55-59	8.1%	3.8%	2.8%	12.2%	13.5%	11.2%	18.8%
60-64	6.3%	1.7%	1.0%	6.3%	14.9%	12.4%	17.7%
65-69	3.4%	0.9%	0.8%	2.0%	9.5%	5.9%	9.4%
70-74	1.2%	0.0%	0.0%	0.4%	3.6%	2.9%	4.2%
>=75	1.2%	0.0%	0.0%	0.8%	3.6%	1.8%	5.2%
Total # of vehicles	1551	423	386	254	222	170	96
Average speed	46.7	42.5	41.0	48.3	55.1	52.1	55.1
St. Dev.	10.8	8.0	8.1	9.1	10.8	10.3	13.2
85th percentile	58.3	50.7	48.7	58.3	65.5	62.6	66.7
Min	16.3	17.5	17.5	19.9	18.7	27.1	16.3
Max	88.2	67.9	66.7	81.0	88.2	83.4	84.6
Range	71.9	50.4	49.2	61.2	69.5	56.4	68.3

Table B.57: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 10

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	1.0%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%
20-24	1.0%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%
25-29	4.8%	5.6%	13.6%	0.0%	0.0%	3.8%	0.0%
30-34	3.8%	11.1%	0.0%	0.0%	10.0%	3.8%	0.0%
35-39	12.4%	22.2%	22.7%	17.6%	10.0%	0.0%	0.0%
40-44	13.3%	11.1%	13.6%	29.4%	10.0%	11.5%	0.0%
45-49	26.7%	38.9%	18.2%	29.4%	20.0%	30.8%	16.7%
50-54	14.3%	5.6%	4.5%	0.0%	10.0%	26.9%	41.7%
55-59	7.6%	5.6%	9.1%	5.9%	20.0%	0.0%	16.7%
60-64	4.8%	0.0%	4.5%	0.0%	0.0%	11.5%	8.3%
65-69	6.7%	0.0%	9.1%	11.8%	10.0%	0.0%	16.7%
70-74	1.0%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%
>=75	2.9%	0.0%	0.0%	5.9%	10.0%	3.8%	0.0%
Total # of vehicles	105	18	22	17	10	26	12
Average speed	48.1	42.5	43.7	48.8	53.0	49.8	56.3
St. Dev.	12.0	7.7	12.8	12.1	16.1	11.5	6.7
85th percentile	59.9	48.7	58.1	63.1	65.7	60.7	63.5
Min	19.9	27.1	21.1	35.5	34.3	19.9	45.1
Max	87.0	55.9	69.1	78.7	87.0	75.1	67.9
Range	67.1	28.8	48.0	43.2	52.8	55.2	22.8

Table B.58: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 12

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.3%	0.2%	0.0%	0.3%	0.4%	0.0%	1.6%
30-34	2.0%	0.9%	3.4%	2.8%	0.4%	3.0%	0.8%
35-39	7.3%	9.9%	13.5%	6.3%	0.4%	2.5%	0.8%
40-44	19.0%	26.1%	26.0%	27.6%	3.3%	6.9%	1.6%
45-49	24.9%	33.8%	28.6%	28.0%	12.2%	20.3%	6.3%
50-54	24.0%	21.3%	19.5%	24.5%	34.3%	27.7%	21.9%
55-59	12.2%	5.9%	5.8%	6.6%	24.5%	22.8%	28.1%
60-64	6.4%	1.3%	2.4%	3.5%	14.7%	11.9%	19.5%
65-69	2.3%	0.0%	1.0%	0.3%	6.1%	3.0%	10.2%
70-74	0.4%	0.2%	0.0%	0.0%	1.2%	0.5%	1.6%
>=75	1.1%	0.0%	0.0%	0.0%	2.4%	1.5%	7.8%
Total # of vehicles	1733	456	416	286	245	202	128
Average speed	49.9	47.0	46.7	47.6	56.2	53.4	59.1
St. Dev.	8.3	6.1	6.8	6.6	7.5	8.2	9.8
85th percentile	57.9	52.8	53.8	53.8	63.0	60.9	66.0
Min	21.4	21.4	31.6	29.5	29.5	31.6	26.5
Max	90.3	72.1	69.0	68.0	87.3	80.2	90.3
Range	68.9	50.6	37.5	38.5	57.7	48.6	63.8

Table B.59: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 12

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.3%	0.2%	0.0%	0.4%	0.4%	0.0%	1.8%
30-34	2.0%	1.0%	2.9%	3.1%	0.4%	3.4%	0.9%
35-39	6.8%	8.4%	12.4%	7.0%	0.4%	2.3%	0.9%
40-44	18.8%	26.5%	25.1%	26.5%	3.5%	6.3%	1.8%
45-49	24.7%	34.1%	29.9%	26.1%	11.0%	18.9%	5.5%
50-54	24.4%	22.2%	20.6%	26.5%	34.2%	27.4%	15.6%
55-59	12.6%	6.0%	5.6%	7.0%	25.4%	22.9%	32.1%
60-64	6.8%	1.4%	2.6%	3.1%	15.8%	13.1%	22.0%
65-69	2.2%	0.0%	0.8%	0.4%	6.1%	3.4%	10.1%
70-74	0.4%	0.0%	0.0%	0.0%	1.3%	0.6%	1.8%
>=75	0.9%	0.0%	0.0%	0.0%	1.3%	1.7%	7.3%
Total # of vehicles	1566	419	378	257	228	175	109
Average speed	50.1	47.2	46.9	47.6	56.1	53.7	59.4
St. Dev.	8.2	5.8	6.7	6.8	7.0	8.4	9.9
85th percentile	58.9	52.8	53.8	53.8	63.0	62.0	66.0
Min	21.4	21.4	31.6	29.5	29.5	31.6	26.5
Max	90.3	65.0	69.0	68.0	78.2	80.2	90.3
Range	68.9	43.5	37.5	38.5	48.6	48.6	63.8

Table B.60: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 12

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.6%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.8%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%
35-39	12.0%	27.0%	23.7%	0.0%	0.0%	3.7%	0.0%
40-44	21.0%	21.6%	34.2%	37.9%	0.0%	11.1%	0.0%
45-49	26.9%	29.7%	15.8%	44.8%	29.4%	29.6%	10.5%
50-54	20.4%	10.8%	7.9%	6.9%	35.3%	29.6%	57.9%
55-59	9.0%	5.4%	7.9%	3.4%	11.8%	22.2%	5.3%
60-64	2.4%	0.0%	0.0%	6.9%	0.0%	3.7%	5.3%
65-69	2.4%	0.0%	2.6%	0.0%	5.9%	0.0%	10.5%
70-74	0.6%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	3.0%	0.0%	0.0%	0.0%	17.6%	0.0%	10.5%
Total # of vehicles	167	37	38	29	17	27	19
Average speed	48.8	44.7	44.2	47.4	57.1	51.0	57.8
St. Dev.	9.3	8.0	7.6	5.3	12.5	6.1	9.0
85th percentile	55.9	50.8	51.8	50.6	72.7	56.0	67.6
Min	24.5	24.5	32.6	40.7	45.7	35.6	48.8
Max	87.3	72.1	68.0	62.0	87.3	63.0	78.2
Range	62.8	47.6	35.4	21.3	41.5	27.3	29.4

Table B.61: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 14

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
25-29	0.2%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
30-34	1.1%	1.1%	1.7%	4.7%	0.4%	0.0%	0.0%
35-39	5.1%	4.0%	7.5%	9.7%	2.8%	1.5%	1.7%
40-44	17.9%	23.3%	26.9%	20.5%	4.1%	9.6%	1.7%
45-49	28.5%	36.5%	30.3%	28.4%	24.8%	22.8%	9.9%
50-54	22.1%	21.3%	18.5%	20.5%	26.8%	27.4%	22.3%
55-59	16.5%	11.4%	11.8%	10.8%	26.4%	23.4%	33.1%
60-64	4.6%	1.3%	2.2%	2.9%	8.5%	8.6%	14.9%
65-69	2.2%	0.7%	1.0%	1.1%	3.7%	4.6%	7.4%
70-74	0.7%	0.4%	0.2%	0.0%	1.2%	1.5%	2.5%
>=75	0.7%	0.0%	0.0%	0.0%	1.2%	0.5%	6.6%
Total # of vehicles	1713	455	416	278	246	197	121
Average speed	50.2	48.6	47.9	47.2	53.7	53.5	58.3
St. Dev.	7.6	6.0	6.6	7.5	7.1	7.0	8.8
85th percentile	57.1	54.4	55.1	54.4	59.8	60.4	65.2
Min	24.9	30.3	32.1	24.9	32.1	37.4	35.6
Max	84.0	73.3	73.3	67.0	83.1	75.0	84.0
Range	59.1	43.0	41.2	42.1	51.0	37.6	48.4

Table B.62: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 14

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
25-29	0.2%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%
30-34	1.6%	1.0%	1.6%	5.2%	0.4%	0.0%	0.0%
35-39	5.0%	4.1%	7.3%	9.6%	2.2%	1.2%	2.0%
40-44	17.6%	23.3%	27.4%	18.7%	4.0%	7.4%	2.0%
45-49	28.2%	36.3%	29.8%	28.7%	23.3%	22.1%	7.9%
50-54	22.5%	22.1%	19.4%	21.1%	27.4%	26.4%	22.8%
55-59	17.1%	11.8%	12.4%	11.2%	28.3%	27.0%	30.7%
60-64	4.7%	1.2%	1.9%	2.8%	9.0%	9.8%	16.8%
65-69	1.8%	0.2%	0.3%	1.2%	4.0%	3.7%	6.9%
70-74	0.5%	0.0%	0.0%	0.0%	0.9%	1.8%	3.0%
>=75	0.7%	0.0%	0.0%	0.0%	0.4%	0.6%	7.9%
Total # of vehicles	1526	416	372	251	223	163	101
Average speed	50.1	48.5	47.8	47.2	53.7	54.0	58.8
St. Dev.	7.5	5.6	6.3	7.6	6.6	6.9	9.2
85th percentile	57.1	54.4	54.4	54.9	59.8	60.7	67.9
Min	24.9	30.3	32.1	24.9	32.1	37.4	35.6
Max	84.0	68.8	65.2	67.0	76.8	75.0	84.0
Range	59.1	38.5	33.1	42.1	44.8	37.6	48.4

Table B.63: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 14

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.1%	2.6%	2.3%	0.0%	0.0%	0.0%	0.0%
35-39	5.9%	2.6%	9.1%	11.1%	8.7%	2.9%	0.0%
40-44	19.8%	23.1%	22.7%	37.0%	4.3%	20.6%	0.0%
45-49	31.6%	38.5%	34.1%	25.9%	39.1%	26.5%	20.0%
50-54	18.2%	12.8%	11.4%	14.8%	21.7%	32.4%	20.0%
55-59	11.2%	7.7%	6.8%	7.4%	8.7%	5.9%	45.0%
60-64	3.7%	2.6%	4.5%	3.7%	4.3%	2.9%	5.0%
65-69	5.3%	5.1%	6.8%	0.0%	0.0%	8.8%	10.0%
70-74	2.1%	5.1%	2.3%	0.0%	4.3%	0.0%	0.0%
>=75	1.1%	0.0%	0.0%	0.0%	8.7%	0.0%	0.0%
Total # of vehicles	187	39	44	27	23	34	20
Average speed	50.4	50.3	48.7	46.3	53.0	51.2	55.7
St. Dev.	8.6	8.7	8.7	6.7	10.9	7.5	5.6
85th percentile	58.0	58.9	55.8	53.6	60.8	55.4	58.7
Min	33.0	34.7	33.0	35.6	38.3	37.4	46.4
Max	83.1	73.3	73.3	63.4	83.1	69.7	67.9
Range	50.2	38.5	40.3	27.8	44.8	32.2	21.5

Table B.64: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 16

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	0.2%	0.0%	0.0%	0.5%	0.9%
25-29	0.4%	0.0%	0.2%	1.4%	0.0%	0.0%	1.7%
30-34	1.2%	0.2%	1.9%	0.7%	2.1%	0.0%	3.5%
35-39	4.3%	1.8%	4.9%	6.1%	6.2%	4.7%	2.6%
40-44	9.3%	8.0%	10.7%	9.0%	12.8%	8.4%	4.3%
45-49	13.6%	15.3%	14.1%	11.9%	14.9%	14.7%	4.3%
50-54	23.5%	25.4%	22.8%	24.1%	23.1%	23.0%	18.3%
55-59	20.3%	21.9%	21.4%	20.9%	18.2%	18.8%	15.7%
60-64	15.1%	15.3%	14.3%	15.8%	14.0%	13.6%	20.0%
65-69	5.6%	6.6%	4.1%	3.2%	2.9%	7.3%	15.7%
70-74	4.5%	3.5%	3.9%	3.2%	4.5%	6.8%	9.6%
>=75	2.1%	2.0%	1.5%	3.6%	1.2%	2.1%	3.5%
Total # of vehicles	1690	452	412	278	242	191	115
Average speed	54.8	55.5	53.8	54.4	53.2	55.5	58.2
St. Dev.	9.5	8.3	9.3	10.0	9.4	9.9	11.6
85th percentile	64.1	64.1	62.7	63.2	62.4	65.8	69.3
Min	24.0	30.1	24.9	27.5	30.1	24.0	24.0
Max	85.0	84.2	81.5	84.2	78.9	85.0	79.8
Range	61.0	54.1	56.7	56.7	48.8	61.0	55.8

Table B.65: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 16

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	0.3%	0.0%	0.0%	0.7%	1.2%
25-29	0.5%	0.0%	0.3%	1.8%	0.0%	0.0%	2.4%
30-34	1.4%	0.3%	2.1%	0.9%	2.5%	0.0%	4.8%
35-39	4.7%	1.9%	5.7%	7.6%	5.9%	5.0%	2.4%
40-44	10.3%	8.0%	11.7%	10.2%	14.4%	10.7%	4.8%
45-49	14.9%	17.2%	14.7%	12.9%	16.8%	15.7%	6.0%
50-54	24.2%	26.5%	22.8%	26.2%	24.8%	22.9%	14.3%
55-59	19.1%	20.9%	20.7%	17.8%	16.3%	19.3%	14.3%
60-64	14.3%	14.7%	13.8%	14.7%	11.9%	12.1%	22.6%
65-69	5.3%	6.2%	3.3%	3.1%	3.0%	7.9%	16.7%
70-74	3.5%	2.7%	3.3%	2.7%	3.5%	5.7%	7.1%
>=75	1.5%	1.6%	1.5%	2.2%	1.0%	0.0%	3.6%
Total # of vehicles	1358	373	334	225	202	140	84
Average speed	53.9	54.9	53.2	53.1	52.3	54.1	57.5
St. Dev.	9.4	8.1	9.4	9.8	9.1	9.3	12.5
85th percentile	63.2	63.2	62.4	62.7	61.5	65.0	68.9
Min	24.0	30.1	24.9	27.5	30.1	24.0	24.0
Max	84.2	84.2	81.5	78.9	78.9	73.7	79.8
Range	60.2	54.1	56.7	51.4	48.8	49.7	55.8

Table B.66: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 16

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.3%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%
35-39	2.4%	1.3%	1.3%	0.0%	7.5%	3.9%	3.2%
40-44	5.1%	7.6%	6.4%	3.8%	5.0%	2.0%	3.2%
45-49	7.8%	6.3%	11.5%	7.5%	5.0%	11.8%	0.0%
50-54	20.8%	20.3%	23.1%	15.1%	15.0%	23.5%	29.0%
55-59	25.3%	26.6%	24.4%	34.0%	27.5%	17.6%	19.4%
60-64	18.4%	17.7%	16.7%	20.8%	25.0%	17.6%	12.9%
65-69	6.9%	8.9%	7.7%	3.8%	2.5%	5.9%	12.9%
70-74	8.4%	7.6%	6.4%	5.7%	10.0%	9.8%	16.1%
>=75	4.5%	3.8%	1.3%	9.4%	2.5%	7.8%	3.2%
Total # of vehicles	332	79	78	53	40	51	31
Average speed	58.3	58.2	56.5	59.7	57.5	59.1	60.1
St. Dev.	9.2	9.0	8.5	9.2	9.5	10.4	8.7
85th percentile	68.8	67.0	65.8	69.5	65.2	70.6	70.6
Min	34.5	39.7	34.5	40.6	35.3	37.9	38.8
Max	85.0	81.5	76.3	84.2	75.4	85.0	77.2
Range	50.6	41.9	41.9	43.6	40.1	47.1	38.4

Table B.67: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 18

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.4%	0.0%	0.0%	0.0%	2.5%	0.0%	0.0%
30-34	0.9%	0.2%	0.7%	0.0%	3.3%	1.6%	0.0%
35-39	3.7%	0.9%	3.7%	0.7%	9.6%	9.7%	0.0%
40-44	8.4%	6.7%	9.9%	6.0%	10.8%	14.0%	1.7%
45-49	17.1%	16.3%	17.6%	18.5%	22.1%	18.8%	2.5%
50-54	21.9%	22.9%	24.8%	18.9%	22.9%	22.6%	12.7%
55-59	19.7%	24.7%	18.6%	21.7%	12.9%	13.4%	22.9%
60-64	15.0%	16.5%	16.8%	14.2%	9.6%	10.8%	22.0%
65-69	6.6%	6.9%	5.2%	10.0%	2.9%	3.2%	15.3%
70-74	4.0%	2.4%	2.5%	7.1%	1.7%	3.8%	12.7%
>=75	2.4%	2.4%	0.2%	2.8%	1.7%	2.2%	10.2%
Total # of vehicles	1678	449	404	281	240	186	118
Average speed	54.8	55.8	53.9	57.0	50.4	51.6	62.9
St. Dev.	9.4	8.1	8.4	9.1	10.1	9.9	8.7
85th percentile	64.2	64.0	62.6	67.4	60.3	61.8	73.3
Min	25.9	33.1	31.5	39.5	25.9	31.5	41.0
Max	85.7	85.7	76.2	84.1	81.8	77.8	82.5
Range	59.9	52.7	44.7	44.7	55.9	46.3	41.5

Table B. 68: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 18

Vehicle Speed (0-25 FT Vehicles)	Total	Time					
		22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.4%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%
30-34	1.1%	0.3%	0.6%	0.9%	4.3%	2.2%	0.0%
35-39	4.0%	0.8%	4.3%	0.9%	10.2%	10.4%	0.0%
40-44	10.0%	7.8%	11.8%	6.9%	13.4%	16.3%	2.4%
45-49	19.0%	17.6%	18.6%	20.3%	25.1%	23.7%	2.4%
50-54	22.0%	24.1%	24.8%	20.7%	21.9%	17.0%	14.5%
55-59	20.0%	24.6%	18.9%	21.7%	13.4%	13.3%	26.5%
60-64	13.6%	15.1%	15.5%	12.9%	5.3%	11.9%	22.9%
65-69	5.7%	5.9%	3.7%	9.2%	2.7%	2.2%	15.7%
70-74	2.8%	2.0%	1.9%	5.1%	0.5%	2.2%	9.6%
>=75	1.4%	1.7%	0.0%	2.3%	0.5%	0.7%	6.0%
Total # of vehicles	1302	357	323	217	187	135	83
Average speed	53.7	55.0	53.0	56.0	48.7	50.3	61.2
St. Dev.	9.0	7.8	8.0	8.9	9.2	9.3	8.0
85th percentile	62.6	62.6	61.8	67.1	57.8	60.2	70.3
Min	25.9	33.1	33.9	39.5	25.9	31.5	41.0
Max	84.1	80.2	73.0	84.1	78.6	75.4	81.8
Range	58.3	47.1	39.1	44.7	52.7	43.9	40.7

Table B.69: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 18

Vehicle Speed (>25 FT Vehicles)	Total	Time					
		22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.3%	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%
30-34	0.3%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%
35-39	2.7%	1.1%	1.2%	0.0%	7.5%	7.8%	0.0%
40-44	2.9%	2.2%	2.5%	3.1%	1.9%	7.8%	0.0%
45-49	10.4%	10.9%	13.6%	12.5%	11.3%	5.9%	2.9%
50-54	21.5%	18.5%	24.7%	12.5%	26.4%	37.3%	8.6%
55-59	18.4%	25.0%	17.3%	21.9%	11.3%	13.7%	14.3%
60-64	19.7%	21.7%	22.2%	18.8%	24.5%	7.8%	20.0%
65-69	9.8%	10.9%	11.1%	12.5%	13.8%	5.9%	14.3%
70-74	8.2%	4.3%	4.9%	14.1%	5.7%	7.8%	20.0%
>=75	5.9%	5.4%	1.2%	4.7%	5.7%	5.9%	20.0%
Total # of vehicles	376	92	81	64	53	51	35
Average speed	58.8	59.1	57.4	60.5	56.3	55.3	66.8
St. Dev.	9.9	8.7	8.7	9.2	10.9	10.6	9.2
85th percentile	69.6	67.4	66.6	71.5	65.8	67.0	77.5
Min	29.9	38.7	31.5	41.8	29.9	35.5	49.0
Max	85.7	85.7	76.2	80.2	81.8	77.8	82.5
Range	55.9	47.1	44.7	38.3	51.9	42.3	33.5

Table B.70: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Relamping, With RSS (Day 1), Pole 20

Vehicle Speed (all vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.3%	0.0%	1.0%	0.0%	0.0%	1.1%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.4%	0.5%	0.0%
25-29	0.3%	0.0%	0.0%	0.0%	0.4%	2.1%	0.0%
30-34	1.1%	0.0%	0.0%	0.4%	2.4%	5.9%	0.8%
35-39	4.2%	0.7%	6.7%	1.1%	8.0%	10.1%	0.0%
40-44	8.4%	4.4%	9.6%	5.0%	19.3%	11.7%	0.8%
45-49	22.1%	20.0%	28.5%	20.9%	24.9%	22.3%	6.8%
50-54	30.7%	39.5%	30.1%	35.1%	24.1%	18.6%	22.0%
55-59	20.4%	23.2%	16.7%	24.1%	13.3%	17.0%	32.6%
60-64	8.4%	9.4%	6.2%	9.6%	5.6%	5.9%	18.2%
65-69	3.0%	2.2%	1.2%	3.9%	0.8%	2.7%	13.6%
70-74	0.5%	0.7%	0.0%	0.0%	0.4%	1.1%	1.5%
>=75	0.5%	0.0%	0.0%	0.0%	0.4%	1.1%	3.8%
Total # of vehicles	1725	456	418	282	249	188	132
Average speed	52.2	53.7	50.6	53.8	49.2	49.0	58.9
St. Dev.	7.7	5.7	7.2	6.1	7.9	10.3	8.0
85th percentile	60.0	60.0	57.9	60.0	56.8	58.9	66.3
Min	15.6	38.8	15.6	34.6	24.0	16.6	32.5
Max	85.4	73.7	69.5	69.5	79.0	80.1	85.4
Range	69.8	34.9	53.9	34.9	55.0	63.5	52.9

Table B.71: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Relamping, With RSS (Day 1), Pole 20

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.4%	0.0%	1.0%	0.0%	0.0%	1.2%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.4%	0.6%	0.0%
25-29	0.3%	0.0%	0.0%	0.0%	0.4%	1.9%	0.0%
30-34	1.1%	0.0%	0.0%	0.4%	2.6%	6.2%	0.9%
35-39	3.8%	0.5%	6.2%	1.2%	8.3%	7.4%	0.0%
40-44	8.0%	4.7%	9.1%	4.2%	18.4%	10.5%	0.9%
45-49	22.1%	19.6%	28.8%	19.3%	25.4%	23.5%	6.3%
50-54	30.6%	40.0%	30.4%	34.7%	23.7%	19.1%	17.0%
55-59	20.7%	22.2%	17.4%	25.9%	14.0%	17.9%	32.1%
60-64	8.8%	10.0%	5.7%	10.0%	5.3%	6.8%	21.4%
65-69	3.2%	2.3%	1.3%	4.2%	0.9%	3.1%	16.1%
70-74	0.4%	0.7%	0.0%	0.0%	0.0%	1.2%	1.8%
>=75	0.4%	0.0%	0.0%	0.0%	0.4%	0.6%	3.6%
Total # of vehicles	1574	428	385	259	228	162	112
Average speed	52.4	53.7	50.7	54.2	49.1	49.5	59.6
St. Dev.	7.7	5.7	7.2	6.1	7.9	10.3	7.9
85th percentile	60.0	60.0	57.9	60.0	56.8	58.9	67.4
Min	15.6	38.8	15.6	34.6	24.0	16.6	32.5
Max	85.4	73.7	69.5	69.5	79.0	80.1	85.4
Range	69.8	34.9	53.9	34.9	55.0	63.5	52.9

Table B.72: Hourly Summary of Vehicle Speed for Trucks, I-205, Relamping, With RSS (Day 1), Pole 20

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	22:00-22:30	22:30-23:00	23:00-23:30	23:30-24:00	00:00-00:30	00:30-01:00
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.7%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%
30-34	0.7%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%
35-39	8.6%	3.6%	12.1%	0.0%	4.8%	26.9%	0.0%
40-44	12.6%	0.0%	15.2%	13.0%	28.6%	19.2%	0.0%
45-49	22.5%	25.0%	24.2%	39.1%	19.0%	15.4%	10.0%
50-54	31.1%	32.1%	27.3%	39.1%	28.6%	15.4%	50.0%
55-59	17.2%	39.3%	9.1%	4.3%	4.8%	11.5%	35.0%
60-64	4.6%	0.0%	12.1%	4.3%	9.5%	0.0%	0.0%
65-69	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
70-74	0.7%	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%
>=75	1.3%	0.0%	0.0%	0.0%	0.0%	3.8%	5.0%
Total # of vehicles	151	28	33	23	21	26	20
Average speed	50.4	53.0	49.4	50.0	49.8	46.0	54.9
St. Dev.	7.7	5.4	7.0	4.8	8.4	9.9	7.3
85th percentile	57.9	58.9	57.2	54.4	56.8	55.0	58.9
Min	29.3	38.8	37.8	43.1	37.8	29.3	48.4
Max	82.2	60.0	62.1	63.2	72.7	76.9	82.2
Range	52.9	21.2	24.3	20.1	34.9	47.6	33.8

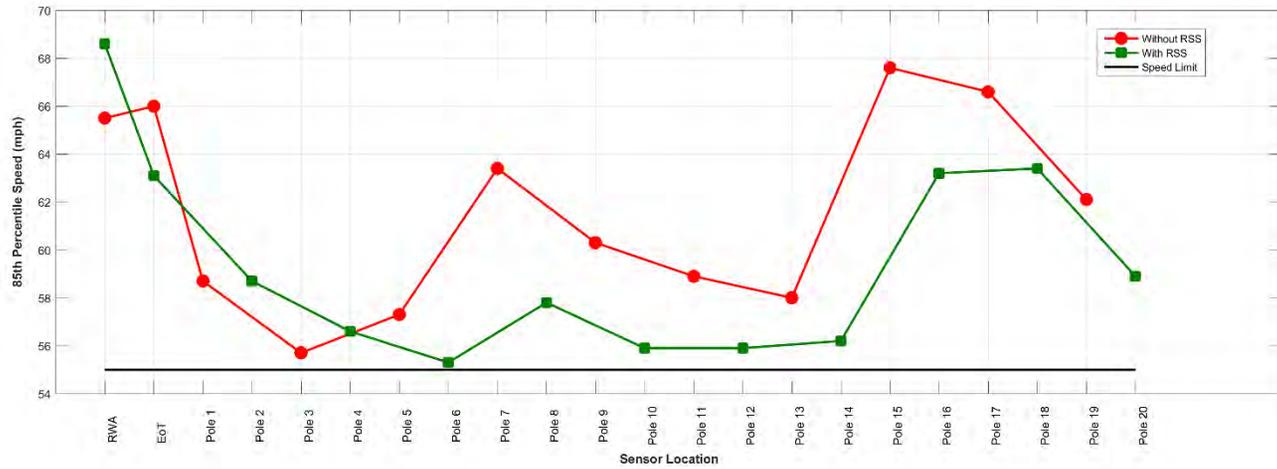


Figure B.3: Vehicle Speed (85th percentile) for All Vehicles at Different Locations during Operation Time, I-205, Relamping

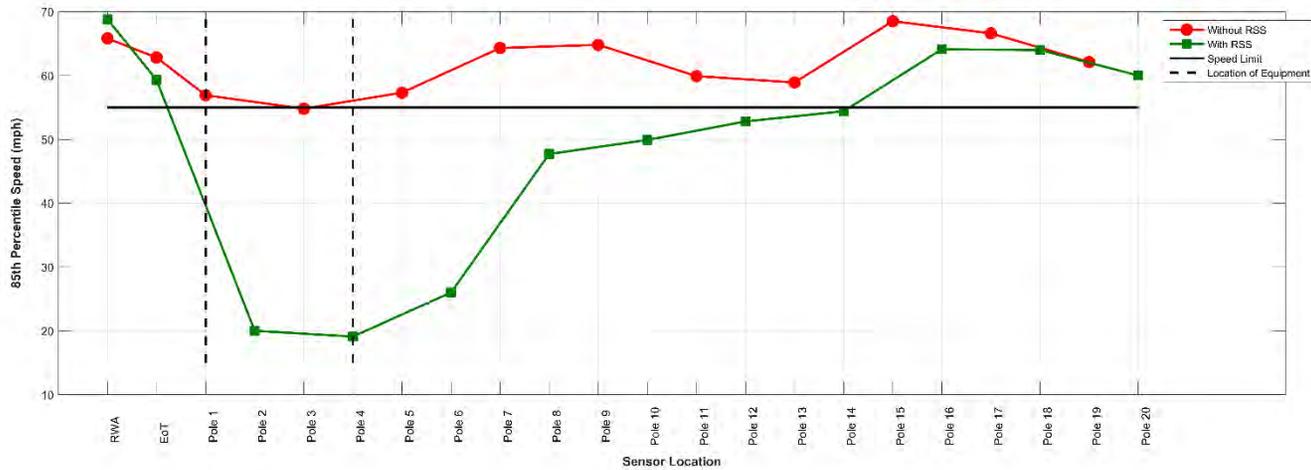


Figure B.4: Vehicle Speed (85th percentile) for All Vehicles at Different Locations between 22:00 to 22:30, I-205, Relamping

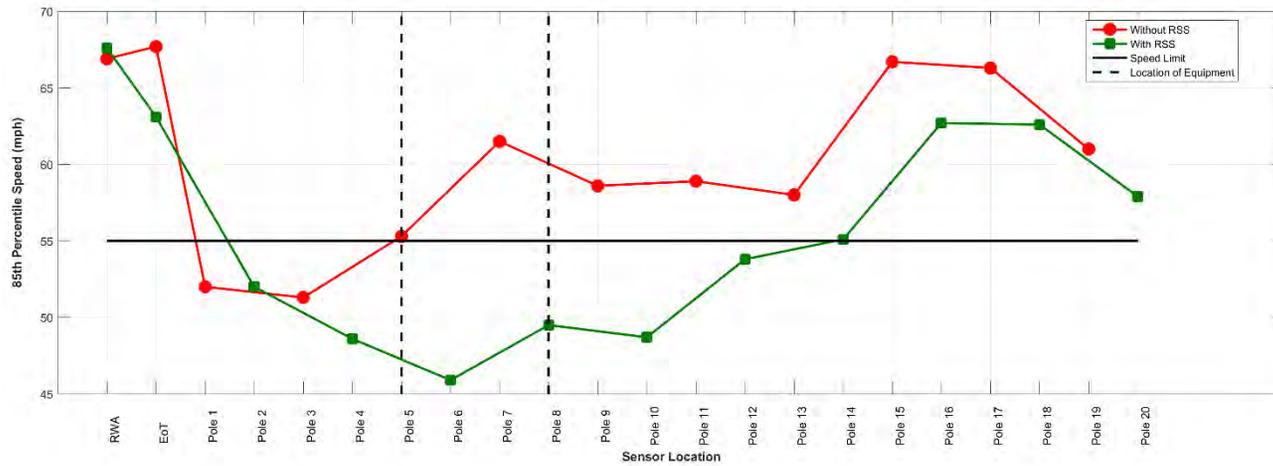


Figure B.5: Vehicle Speed (85th percentile) for All Vehicles at Different Locations between 22:30 to 23:00, I-205, Relamping

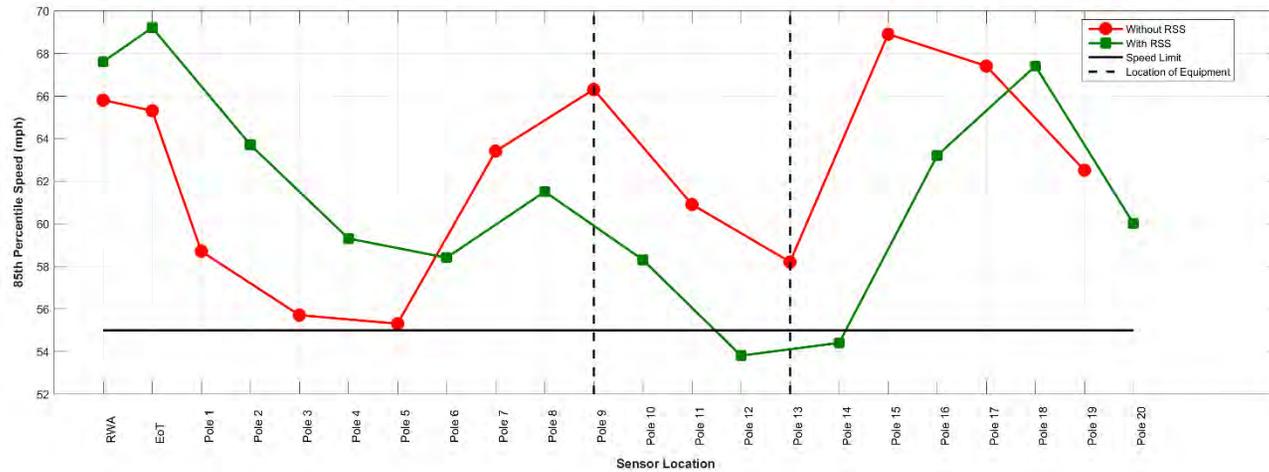


Figure B.6: Vehicle Speed (85th percentile) for All Vehicles at Different Locations between 23:00 to 23:30, I-205, Relamping

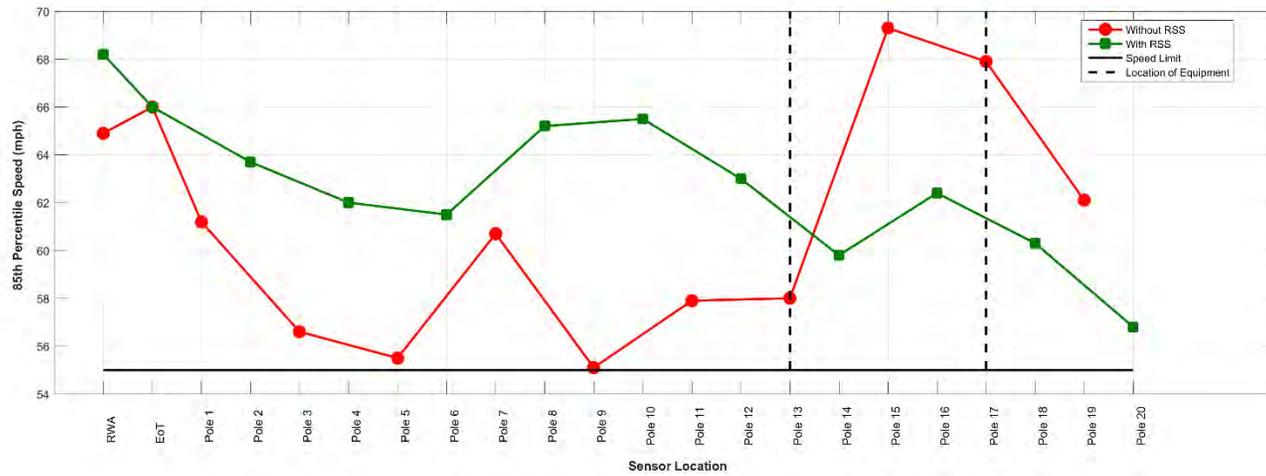


Figure B.7: Vehicle Speed (85th percentile) for All Vehicles at Different Locations between 23:30 to 24:00, I-205, Relamping

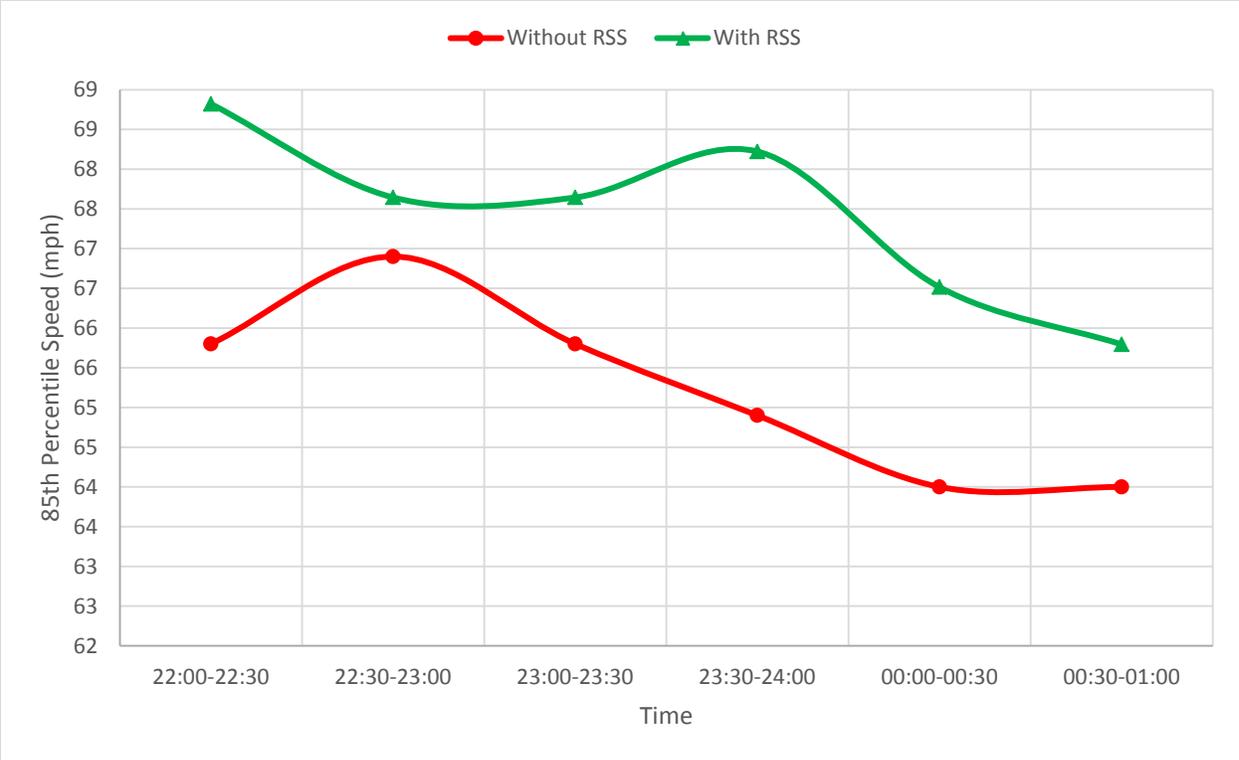


Figure B.8: Vehicle Speed (85th Percentile) at RWA during Operation Time, I-205, Relamping

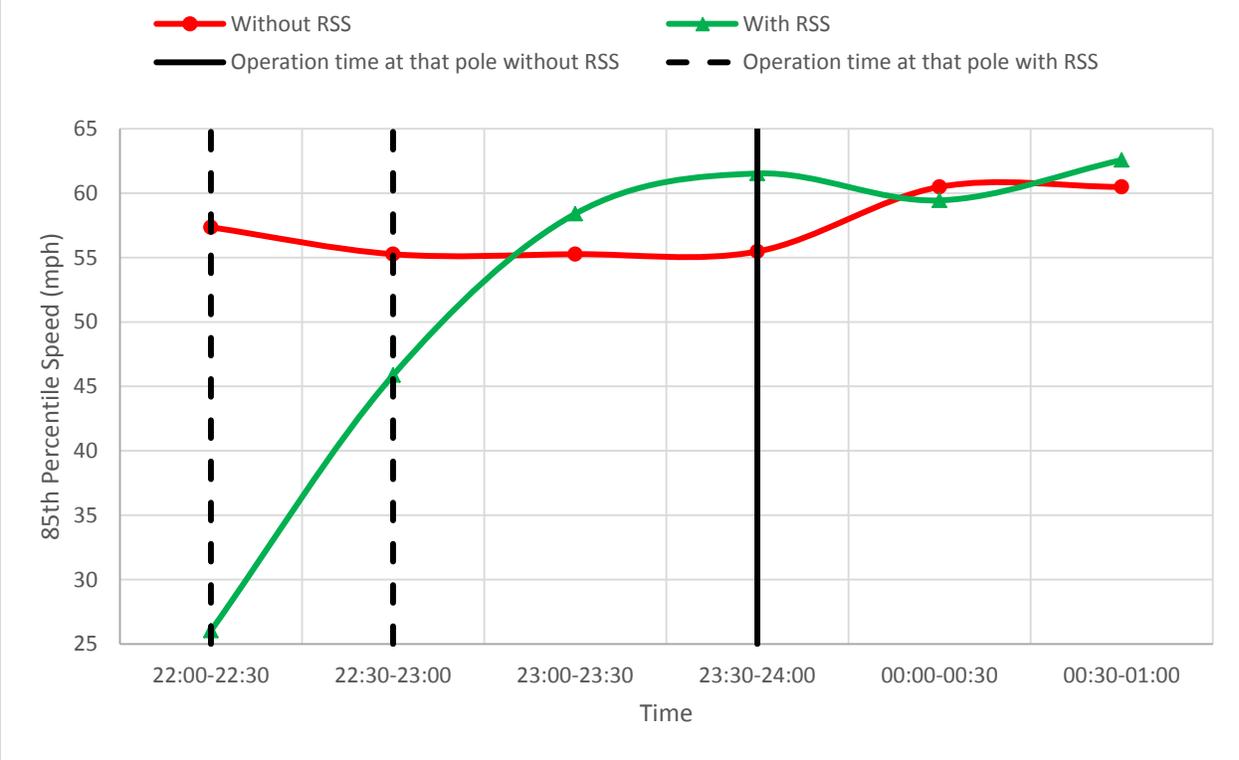


Figure B.9: Vehicle Speed (85th Percentile) at Pole 5 (Without RSS) and Pole 6 (With RSS) during Operation Time, I-205, Relamping

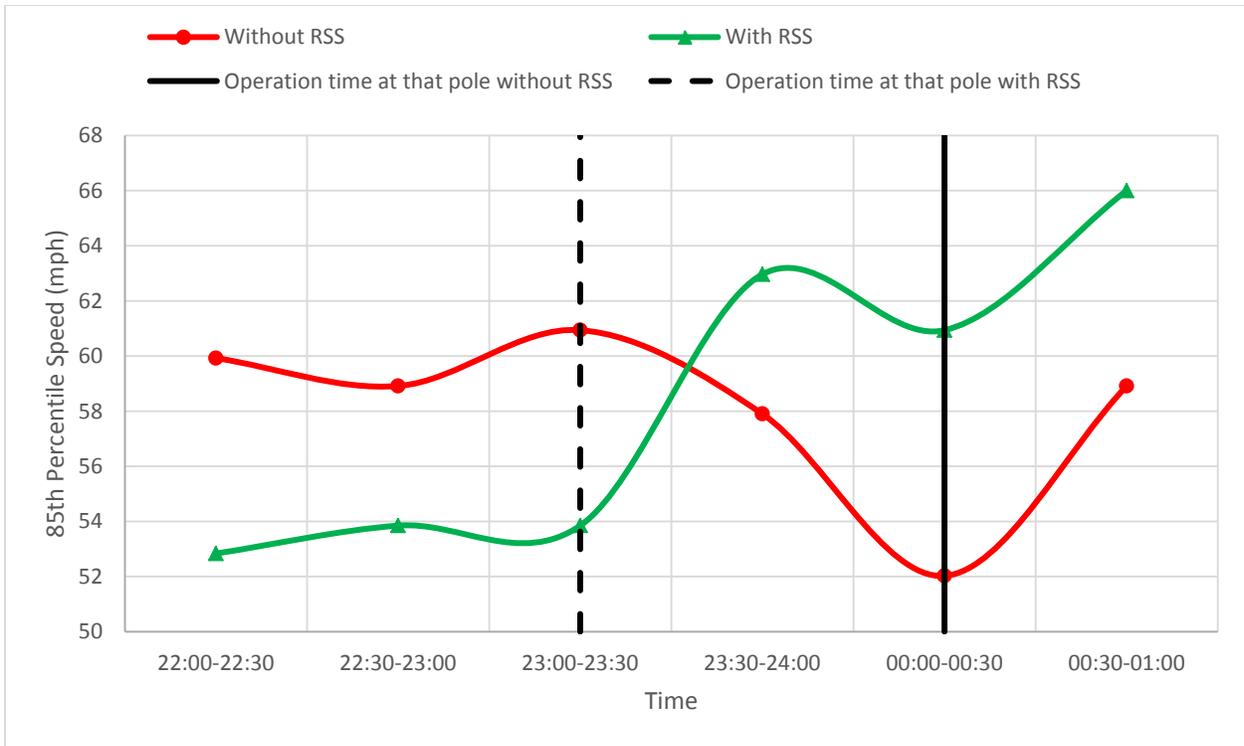


Figure B.10: Vehicle Speed (85th Percentile) at Pole 11 (Without RSS) and Pole 12 (With RSS) during Operation Time, I-205, Relamping

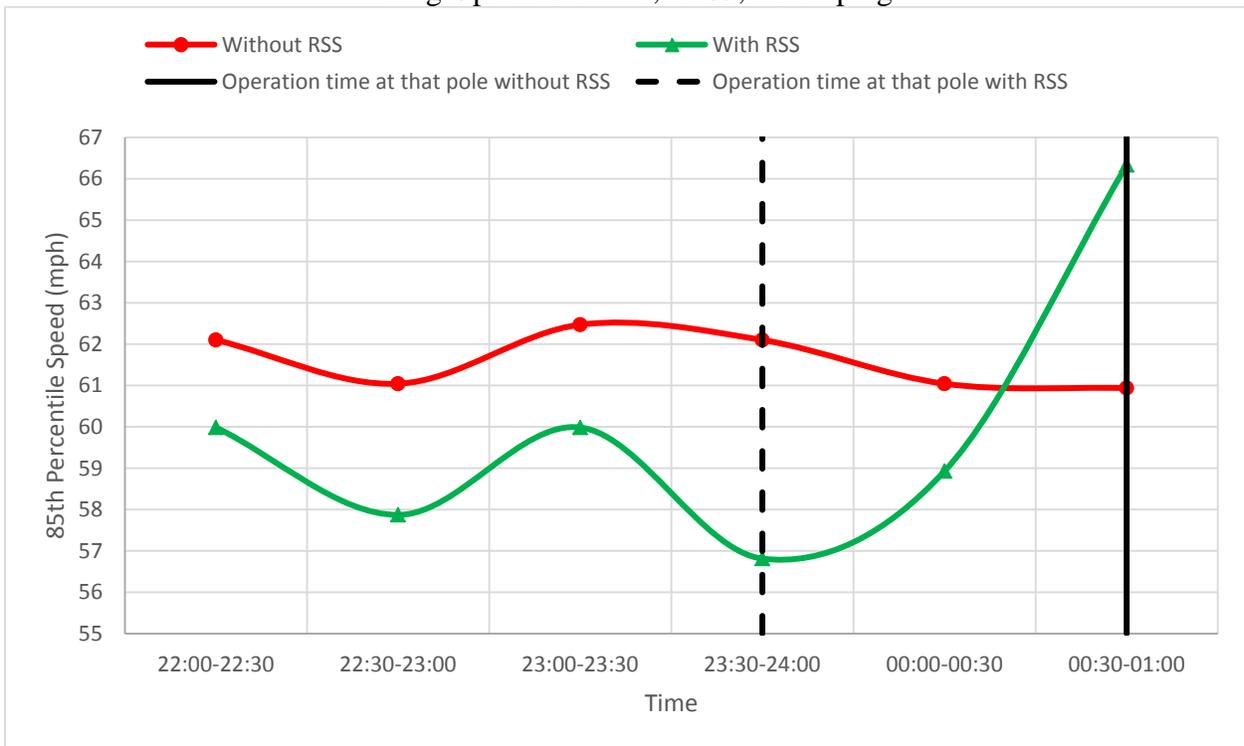


Figure B.11: Vehicle Speed (85th Percentile) at Pole 19 (Without RSS) and Pole 20 (With RSS) during Operation Time, I-205, Relamping

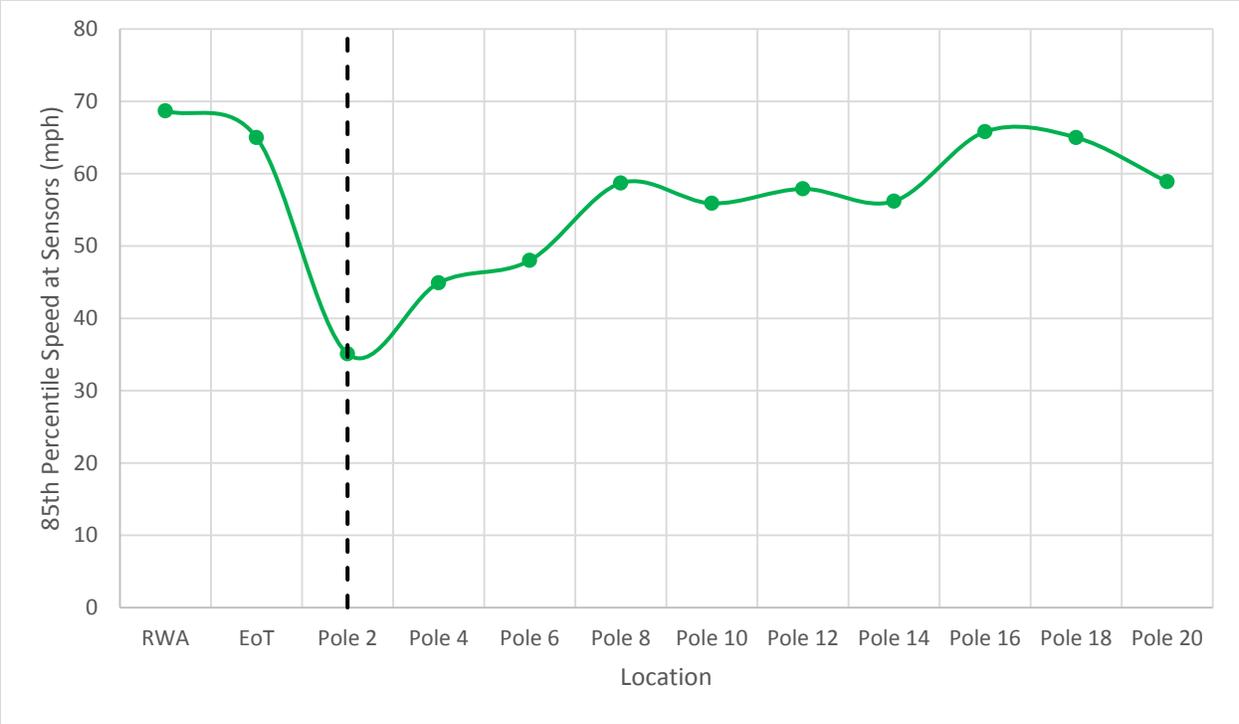


Figure B.12: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 2

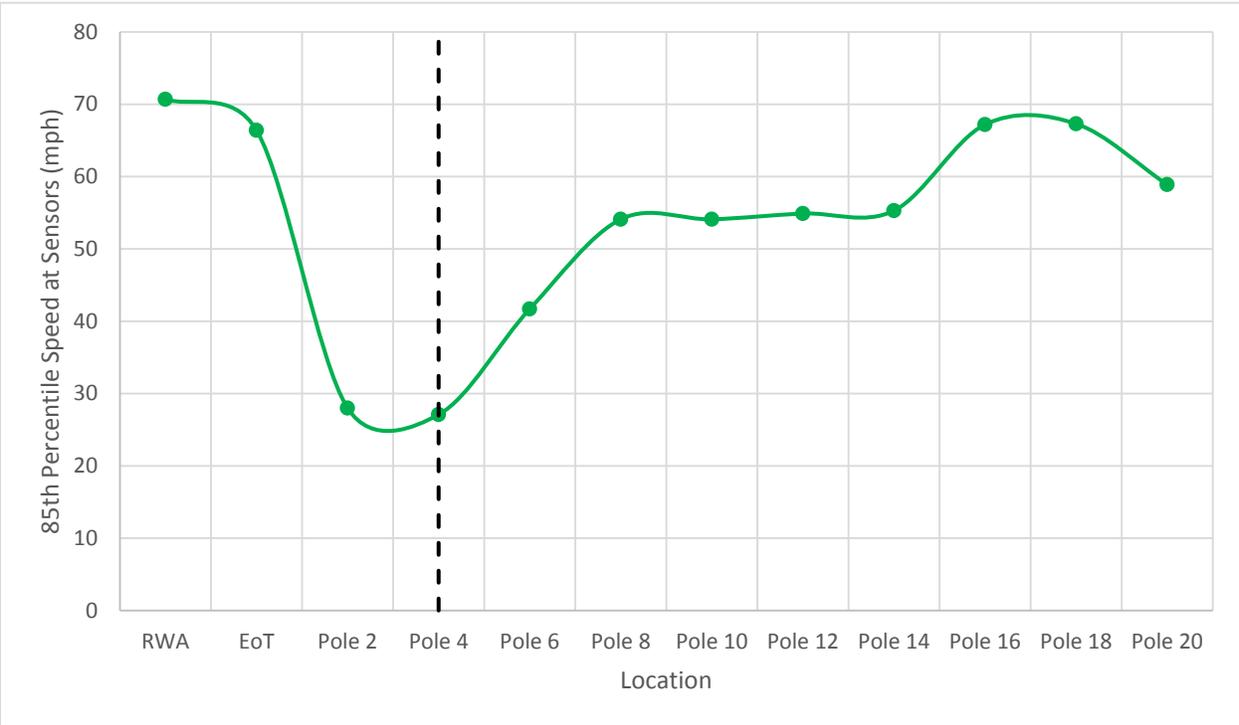


Figure B.13: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 4

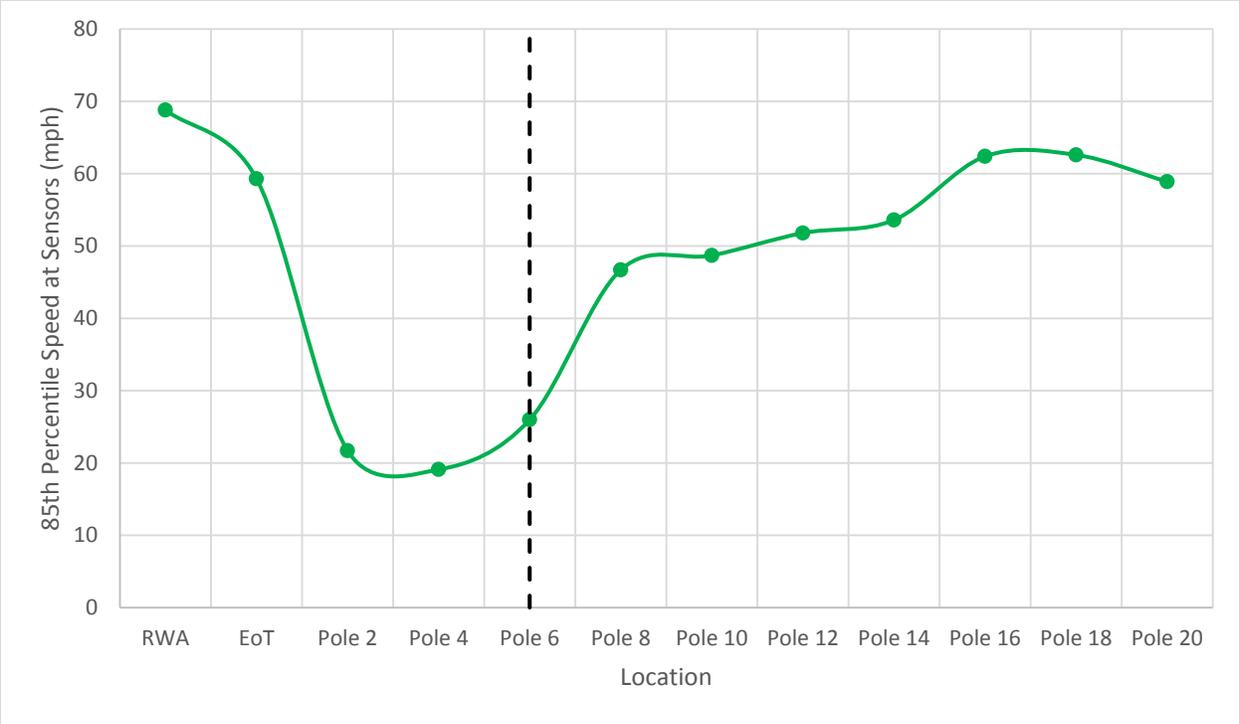


Figure B.14: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 6

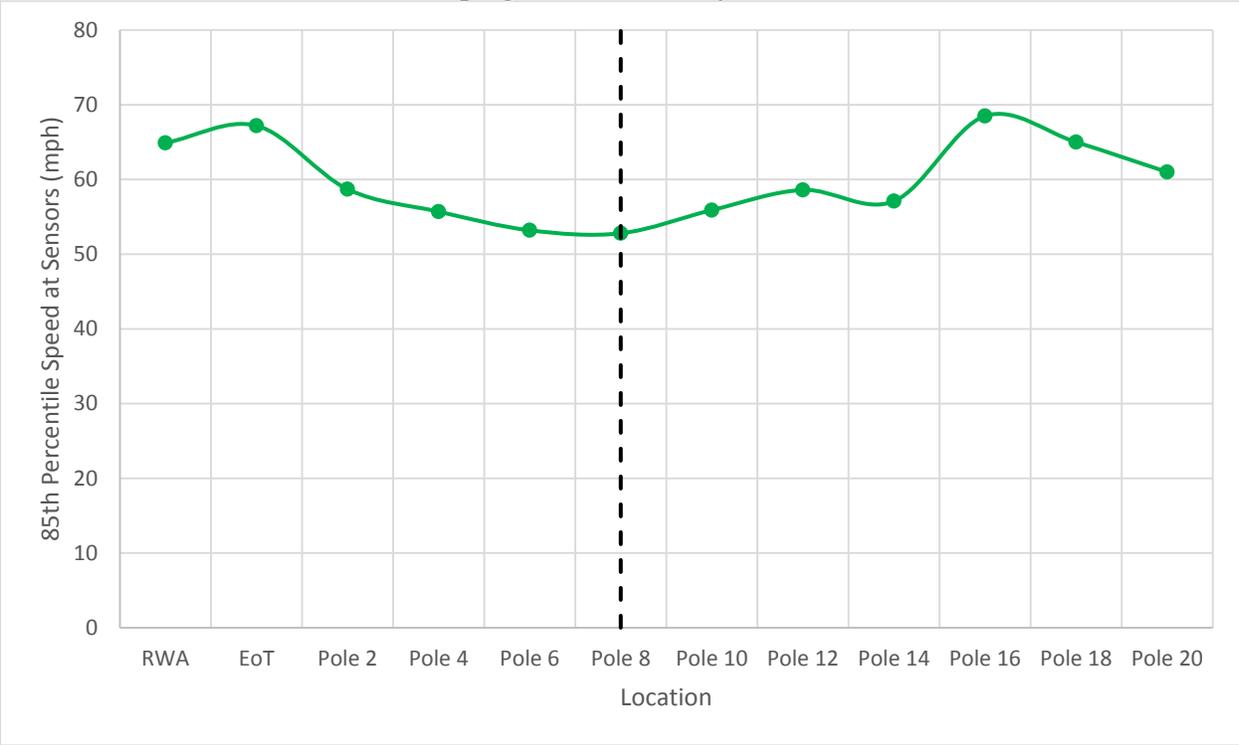


Figure B.15: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 8

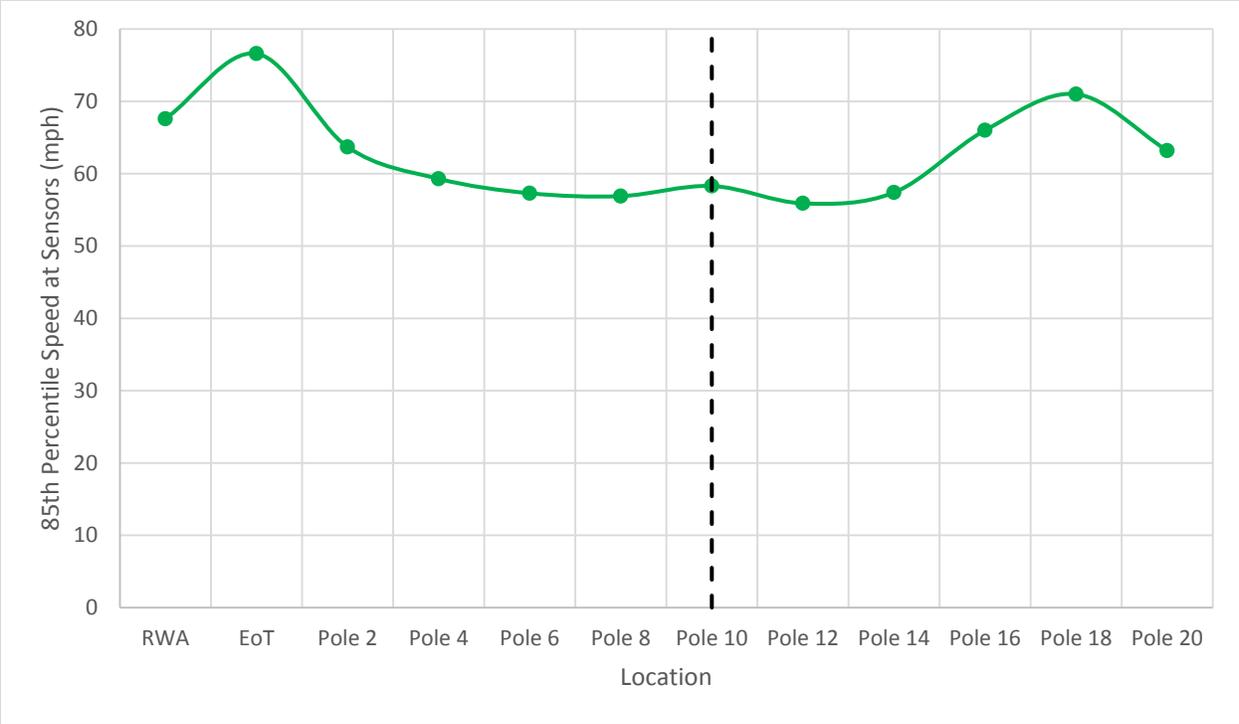


Figure B.16: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 10

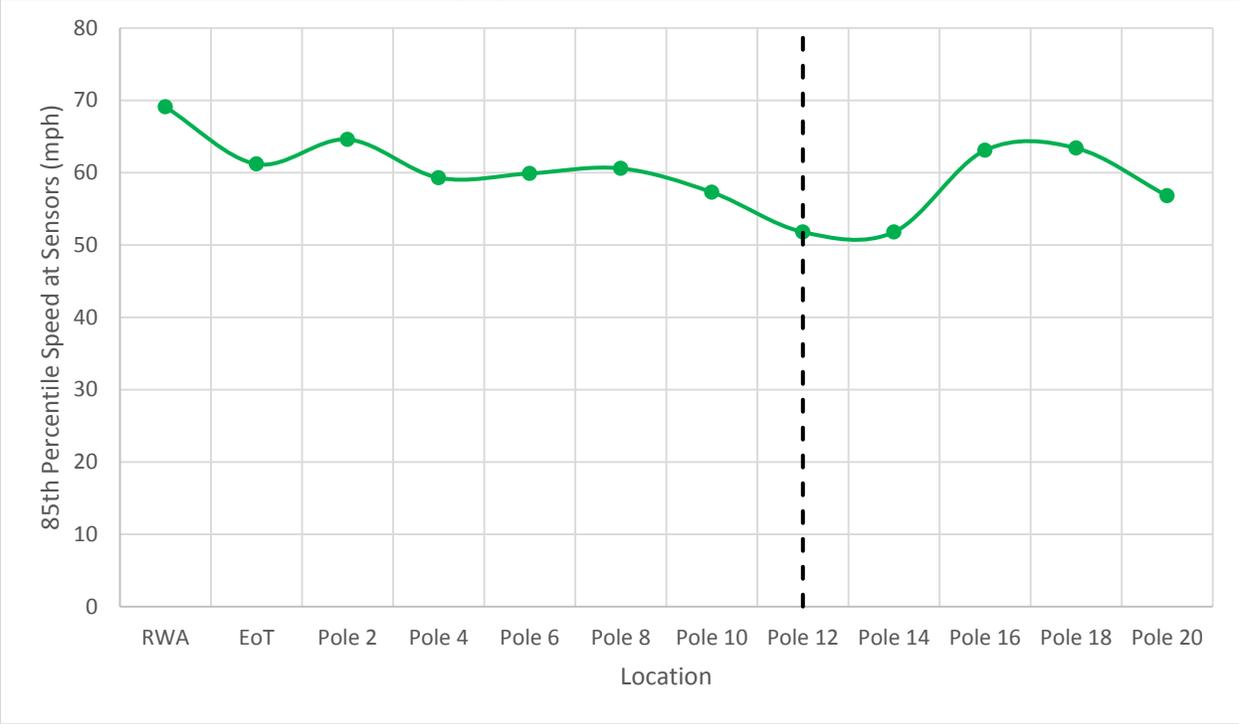


Figure B.17: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 12

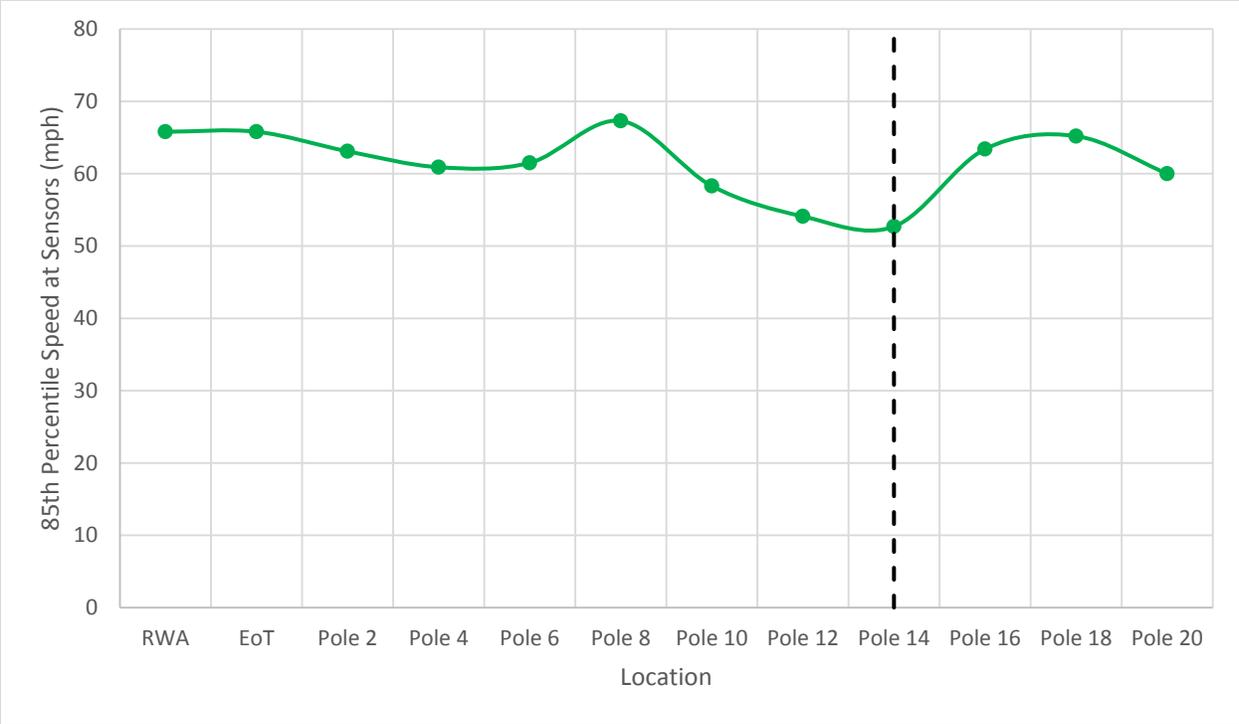


Figure B.18: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 14

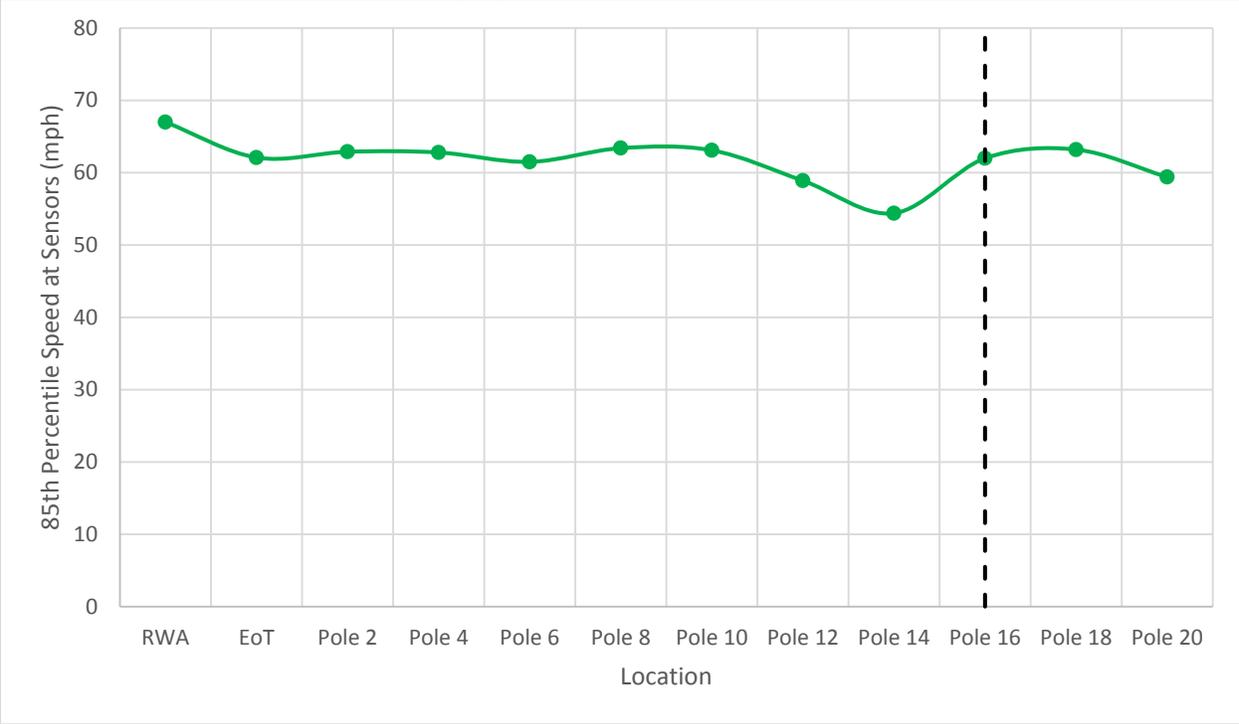


Figure B.19: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 16

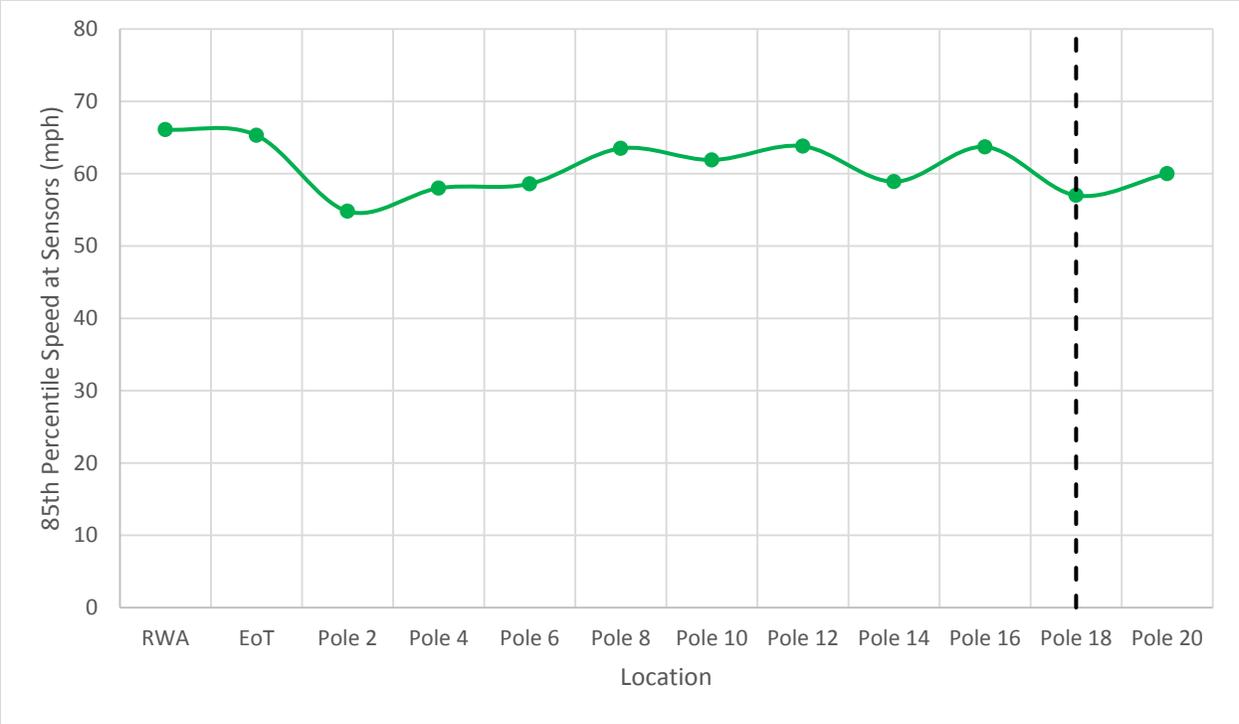


Figure B.20: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 18

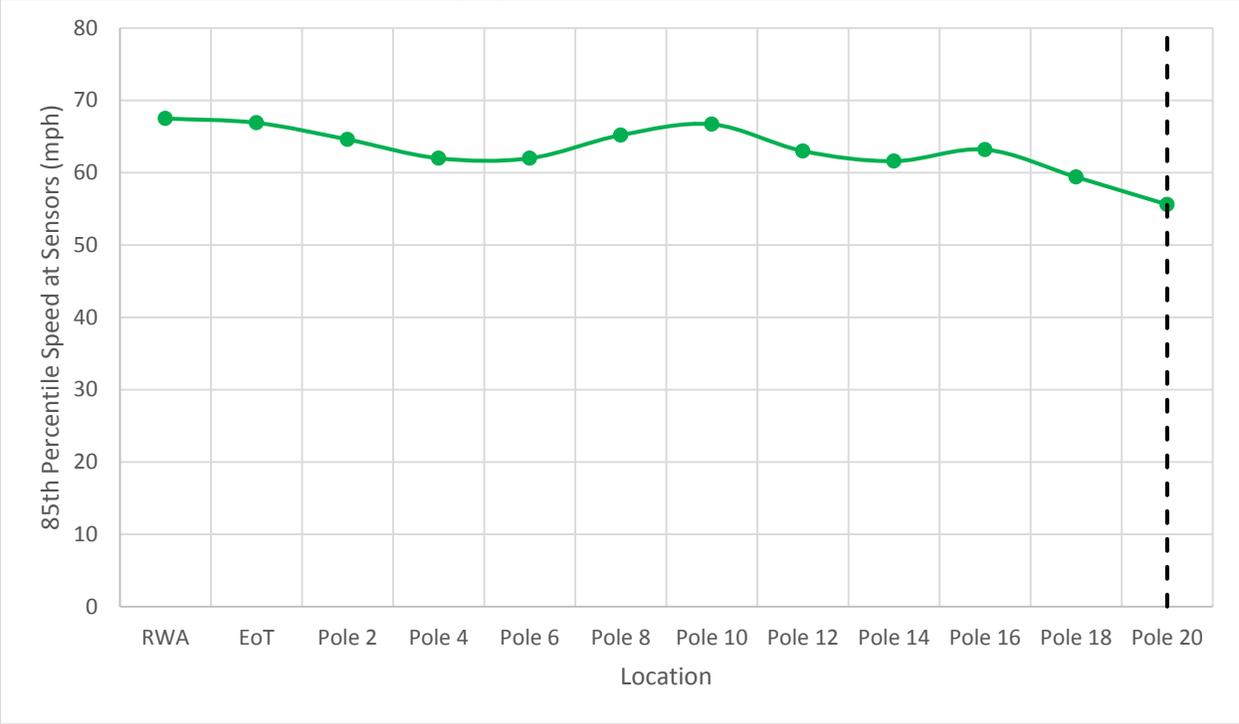


Figure B.21: 85th Percentile Speed at Different Distances from the Work Operation, I-205, Relamping, With RSS (Day 2), Pole 20

Table B.73: Percentage of Vehicle Speed Decrease in the Work Zone Area, I-205, Relamping

Type of vehicle	Mean Speed (mph) without RSS (Day1) at RWA	Mean Speed (mph) without RSS (Day1) at WZ	Decrease in mean speed (%) without RSS (Day1)	Mean Speed (mph) with RSS (Day2) at RWA	Mean Speed (mph) with RSS (Day2) at WZ	Decrease in mean speed (%) with RSS (Day2)
All Vehicles	57.5	52.7	8.31%	59.1	45.7	23%
Passenger Cars	57.9	52.7	9.07%	59.2	45.3	24%
Trucks	53.5	53.2	0.49%	57.8	50.3	13%

Table B.74: Effect of Radar Speed Sign on Vehicle Speed, I-205, Relamping

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	52.72	45.72	7.00	< 0.0001
Passenger Cars	52.65	45.27	7.38	< 0.0001
Trucks	53.24	50.27	2.97	< 0.0001

Table B.75: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Road Work Ahead, 22:00-01:00

Test Day	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1828	65.9	57.9	8.1	184	61.2	53.5	9.1	2012	65.5	57.5	8.3
Day 2 (with RSS)	1975	67.6	58.8	8.5	202	68.8	57.1	10.2	2177	67.6	58.7	8.7

Table B.76: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Road Work Ahead, Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1828	65.9	57.9	8.1	184	61.2	53.5	9.1	2012	65.5	57.5	8.3
Day 2 (with RSS)	1541	67.9	59.2	8.6	147	69.5	57.8	10.6	1688	68.6	59.1	8.8

*: For Day 1 the operation time was from 22:00-01:00 and for Day 2 it was from 22:00-24:00

Table B.77: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Pole 5 (Without RSS) and Pole 6 (With RSS), 22:00-01:00

Test Day	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1448	57.3	49.6	8.1	148	54.2	47.3	8.0	1596	57.3	49.4	8.1
Day 2 (with RSS)	1590	57.3	39.2	16.8	125	53.2	42.8	12.6	1715	57.3	39.4	16.6

Table B.78: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Pole 5 (Without RSS) and Pole 6 (With RSS), Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1448	57.3	49.6	8.1	148	54.2	47.3	8.0	1596	57.3	49.4	8.1
Day 2 (with RSS)	1299	56.3	35.9	16.5	81	50.0	38.8	13.0	1380	55.3	36.0	16.3

*: For Day 1 the operation time was from 22:00-01:00 and for Day 2 it was from 22:00-24:00

Table B.79: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Pole 11 (Without RSS) and Pole 12 (With RSS), 22:00-01:00

Test Day	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1459	59.9	52.6	6.8	147	53.8	47.9	7.3	1606	58.9	52.2	7.0
Day 2 (with RSS)	1566	58.9	50.1	8.2	167	55.9	48.8	9.3	1733	57.9	49.9	8.3

Table B.80: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Pole 11 (Without RSS) and Pole 12 (With RSS), Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1459	59.9	52.6	6.8	147	53.8	47.9	7.3	1606	58.9	52.2	7.0
Day 2 (with RSS)	1282	55.9	48.8	7.3	121	53.8	46.9	9.1	1403	55.9	48.6	7.5

*: For Day 1 the operation time was from 22:00-01:00 and for Day 2 it was from 22:00-24:00

Table B.81: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Pole 19 (Without RSS) and Pole 20 (With RSS), 22:00-01:00

Test Day	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1459	62.1	54.8	7.2	158	58.9	54.0	7.7	1617	62.1	54.7	7.3
Day 2 (with RSS)	1574	60.0	52.4	7.7	151	57.9	50.4	7.7	1725	60	52.2	7.7

Table B.82: Volume, 85th percentile, Mean, and Standard Deviation Speed for Different Types of Vehicles, I-205, Relamping, Pole 19 (Without RSS) and Pole 20 (With RSS), Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1459	62.1	54.8	7.2	158	58.9	54.0	7.7	1617	62.1	54.7	7.3
Day 2 (with RSS)	1300	58.9	52.1	7.0	105	58.3	50.6	6.6	1405	58.9	52.0	6.9

*: For Day 1 the operation time was from 22:00-01:00 and for Day 2 it was from 22:00-24:00

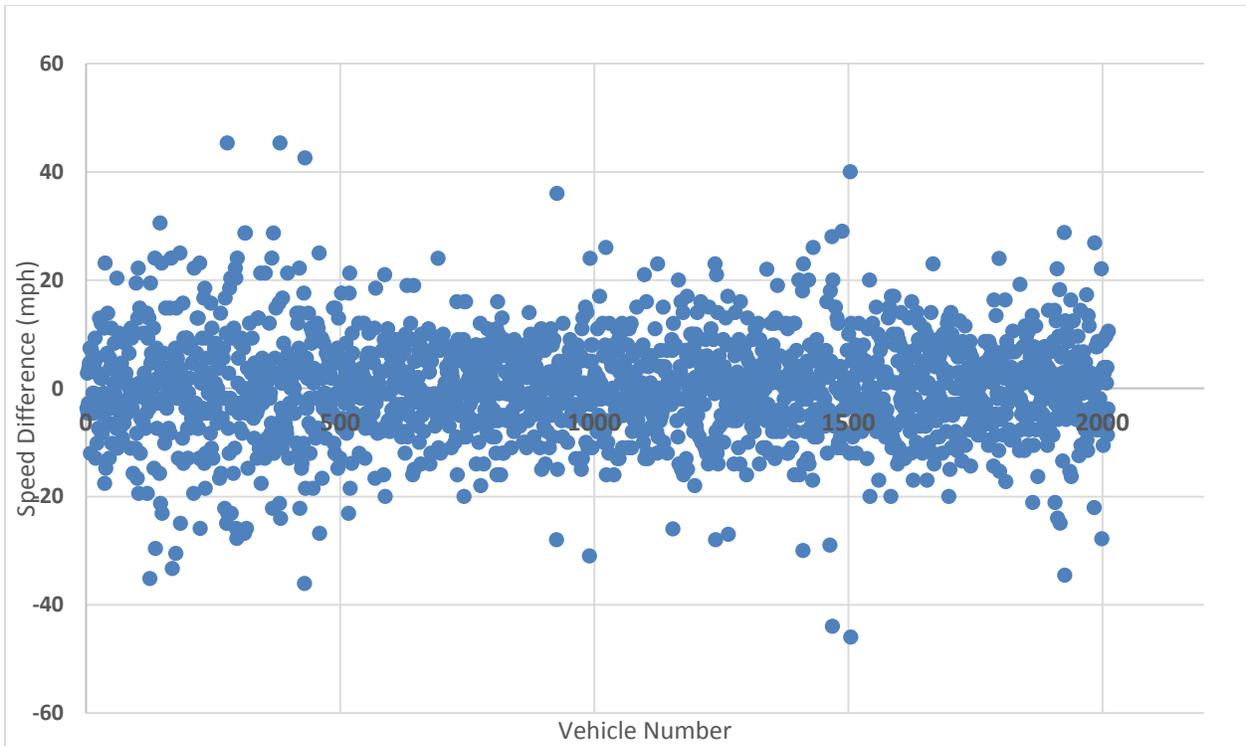


Figure B.22: Speed Difference, I-205, Relamping, Without RSS (Day 1), RWA, Operation Time

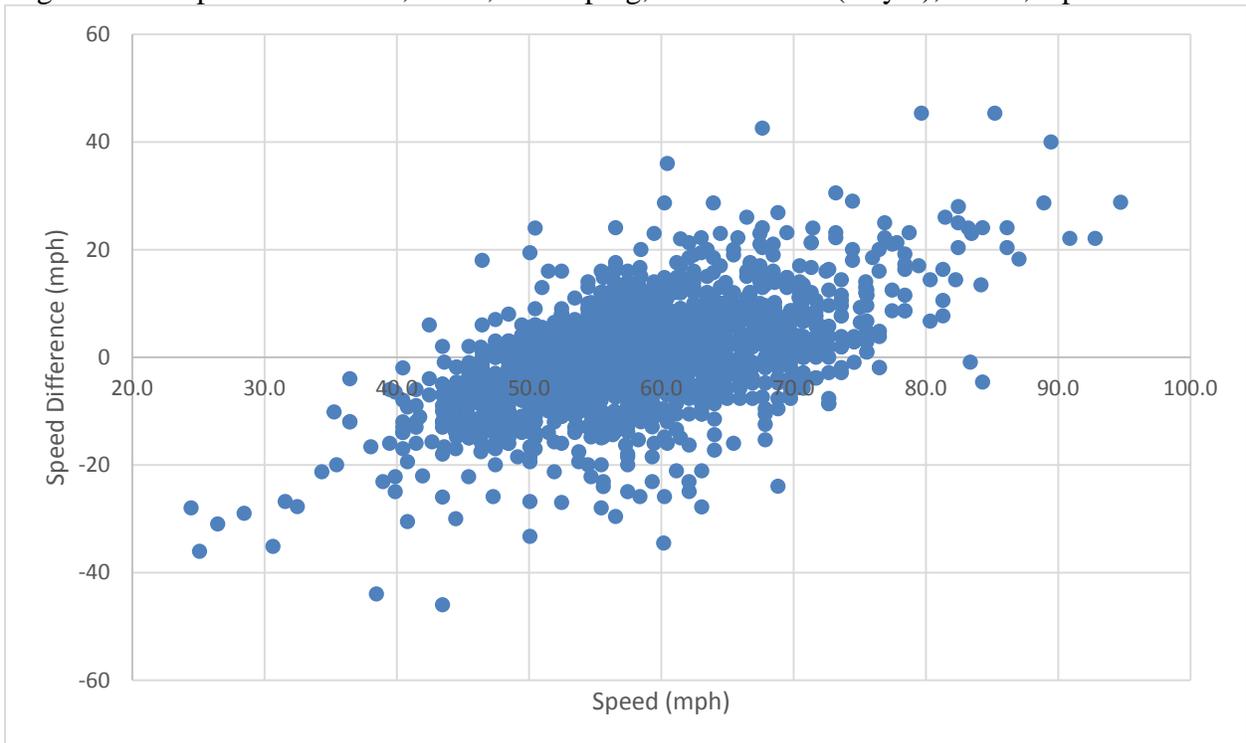


Figure B.23: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), RWA, Operation Time

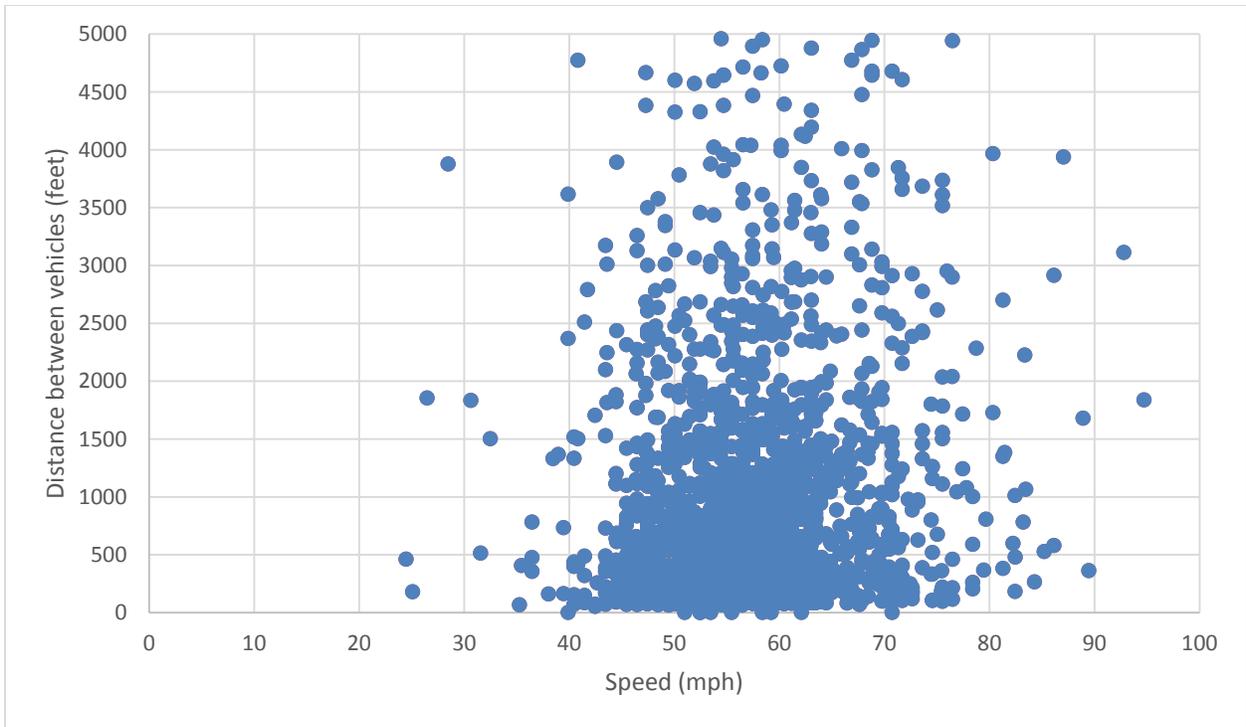


Figure B.24: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), RWA, Operation Time

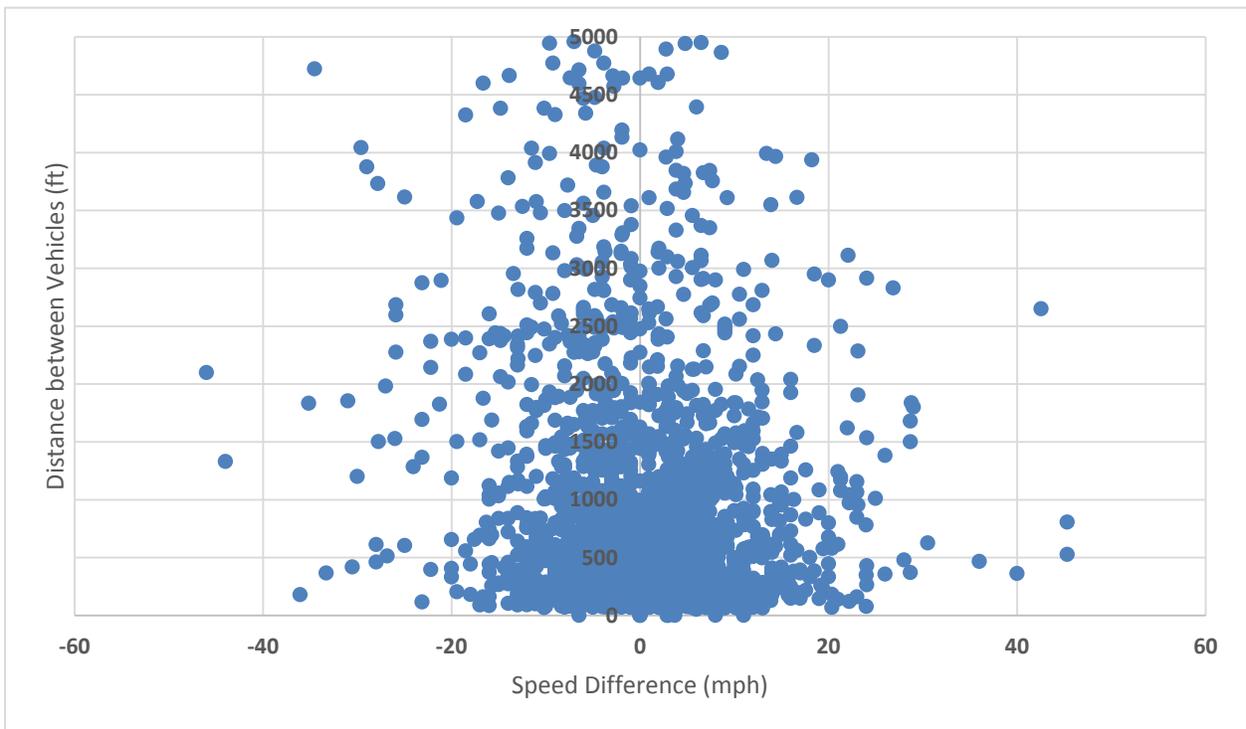


Figure B.25: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), RWA, Operation Time

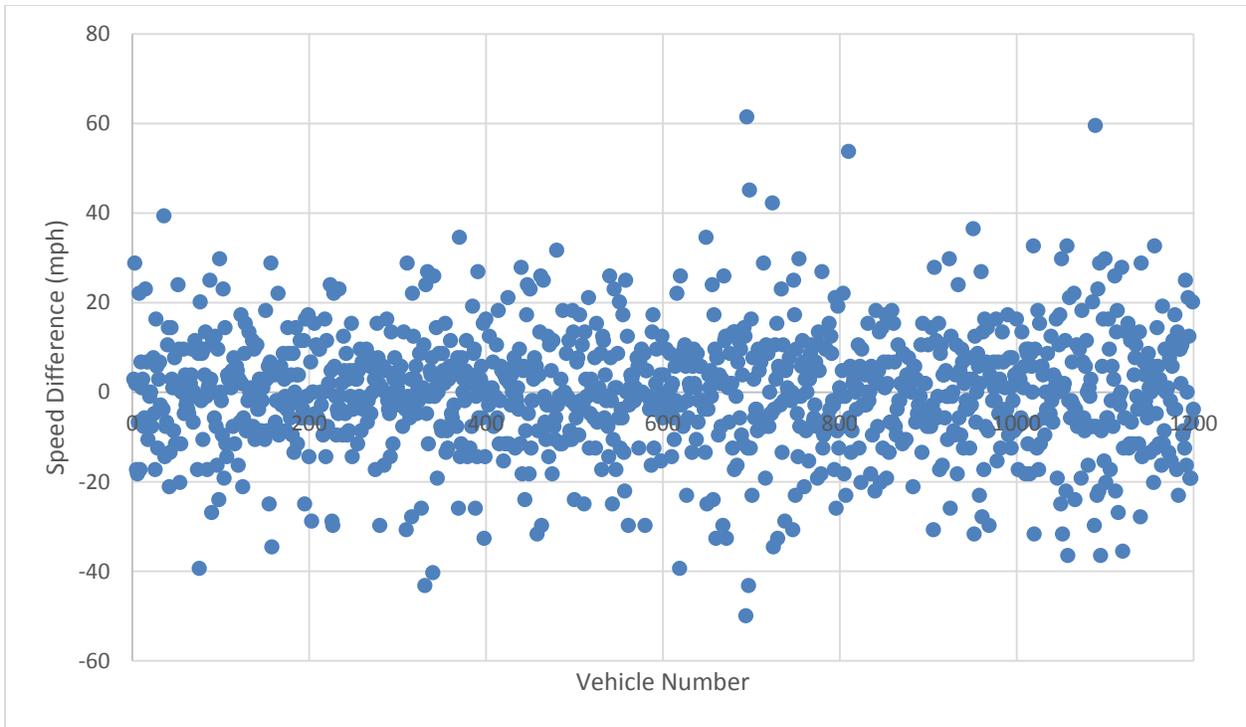


Figure B.26: Speed Difference, I-205, Relamping, Without RSS (Day 1), End of Taper, Operation Time

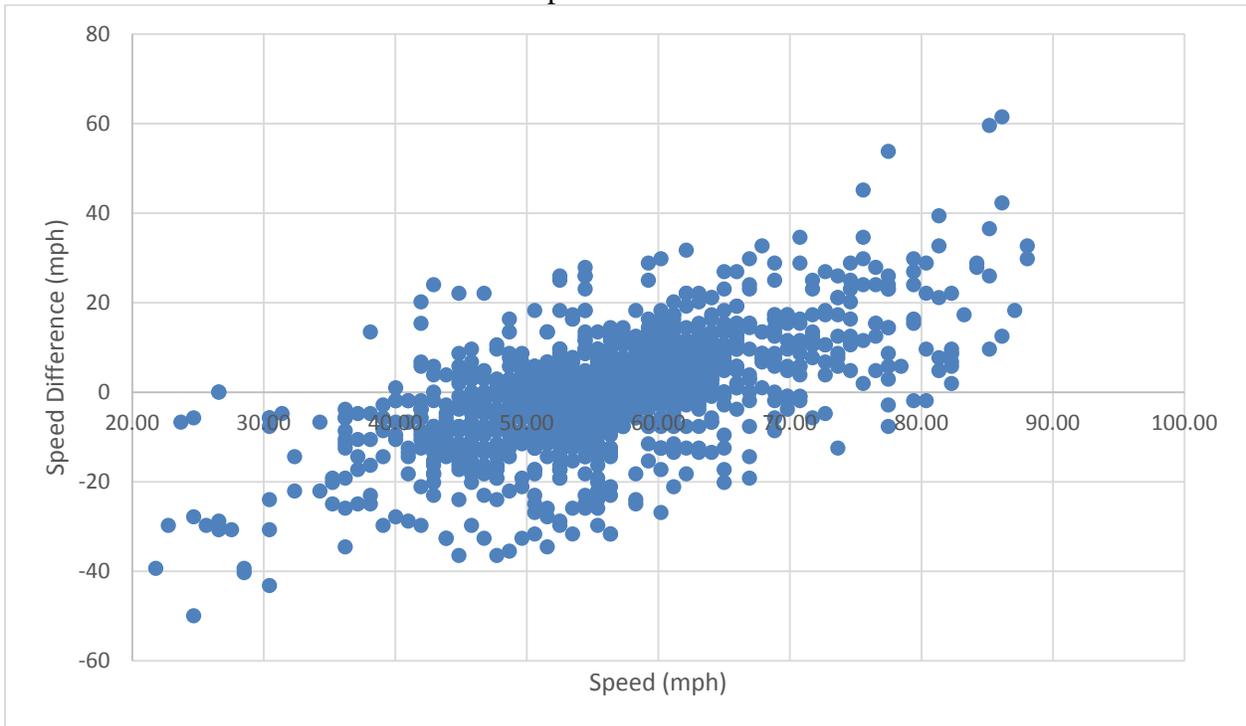


Figure B.27: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), End of Taper, Operation Time

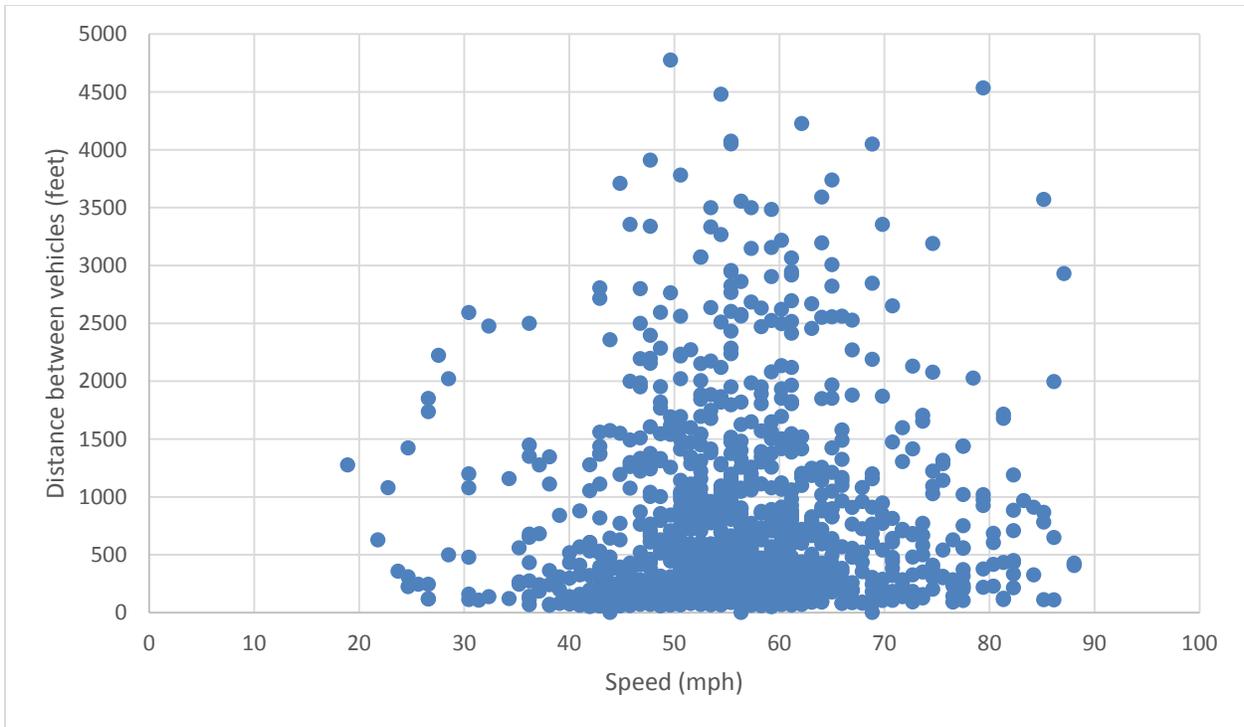


Figure B.28: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), End of Taper, Operation Time

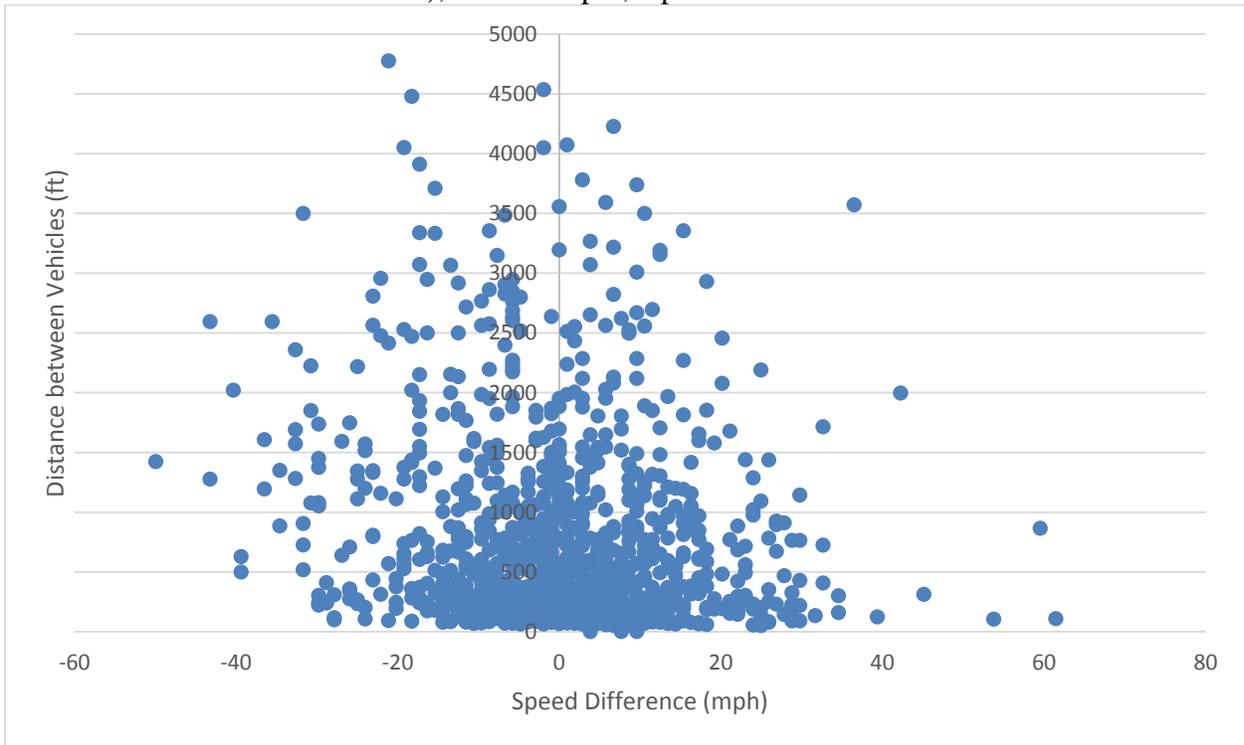


Figure B.29: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), End of Taper, Operation Time

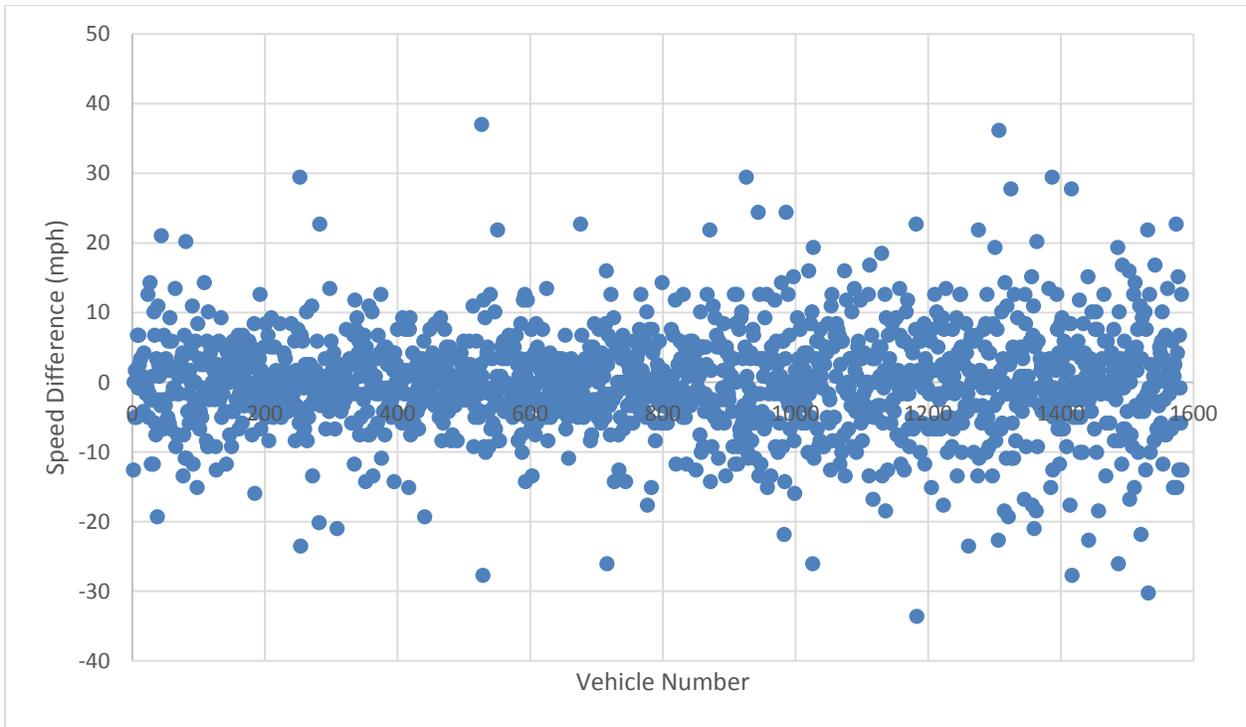


Figure B.30: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 1, Operation Time

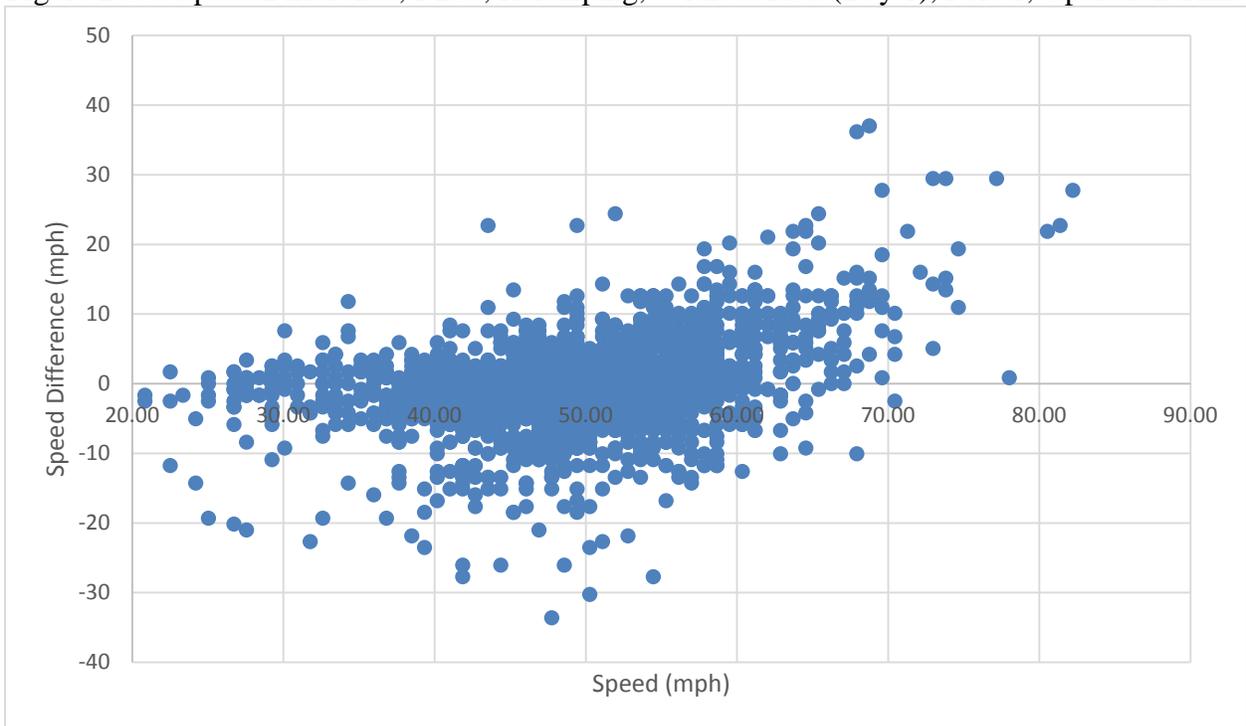


Figure B.31: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 1, Operation Time

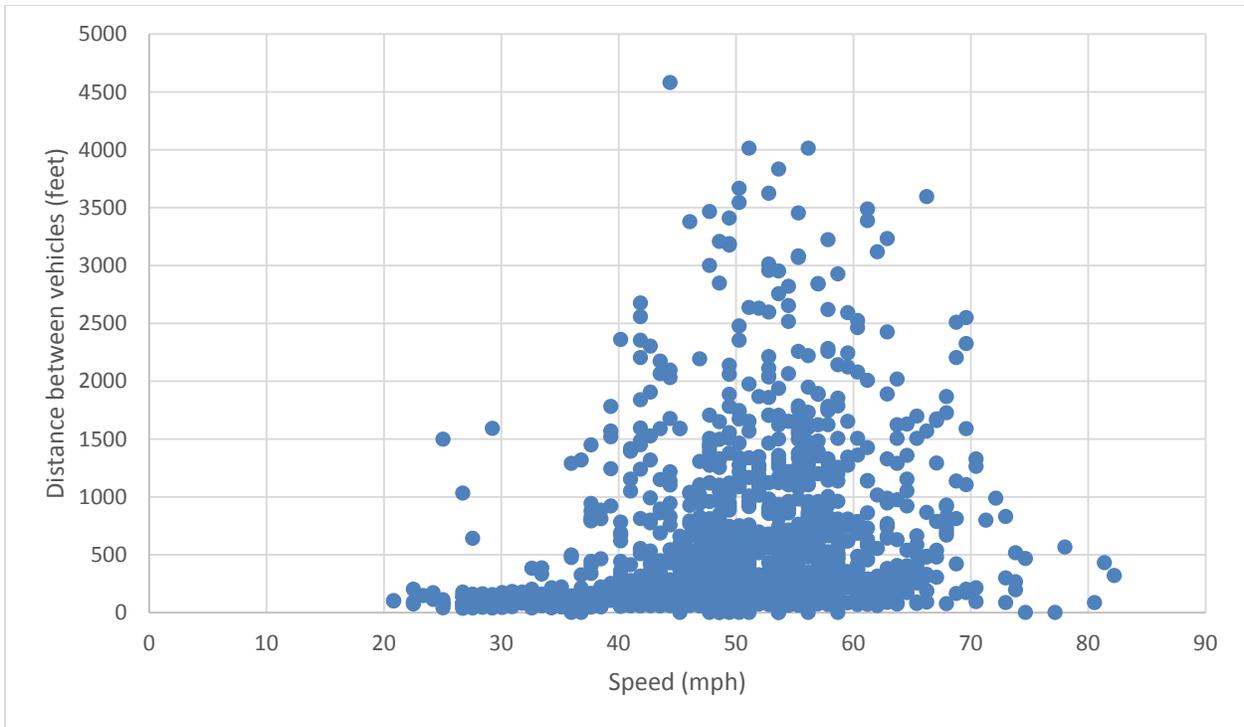


Figure B.32: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 1, Operation Time

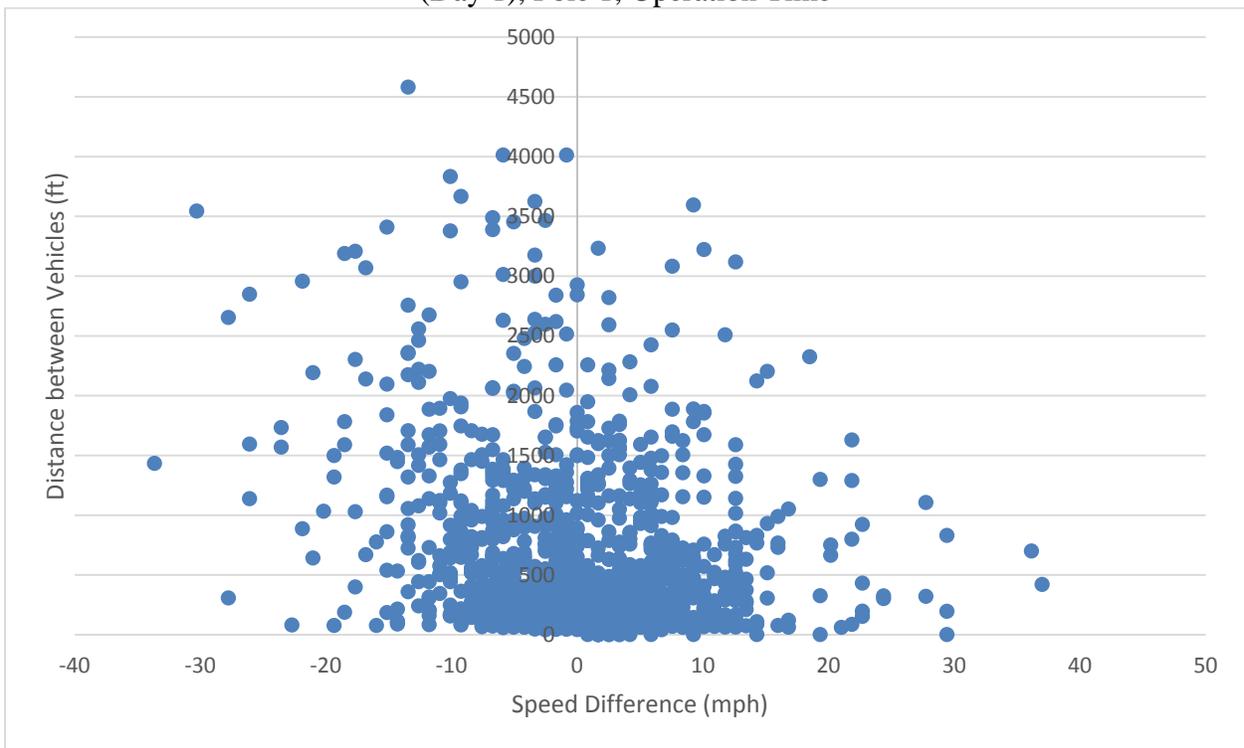


Figure B.33: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 1, Operation Time

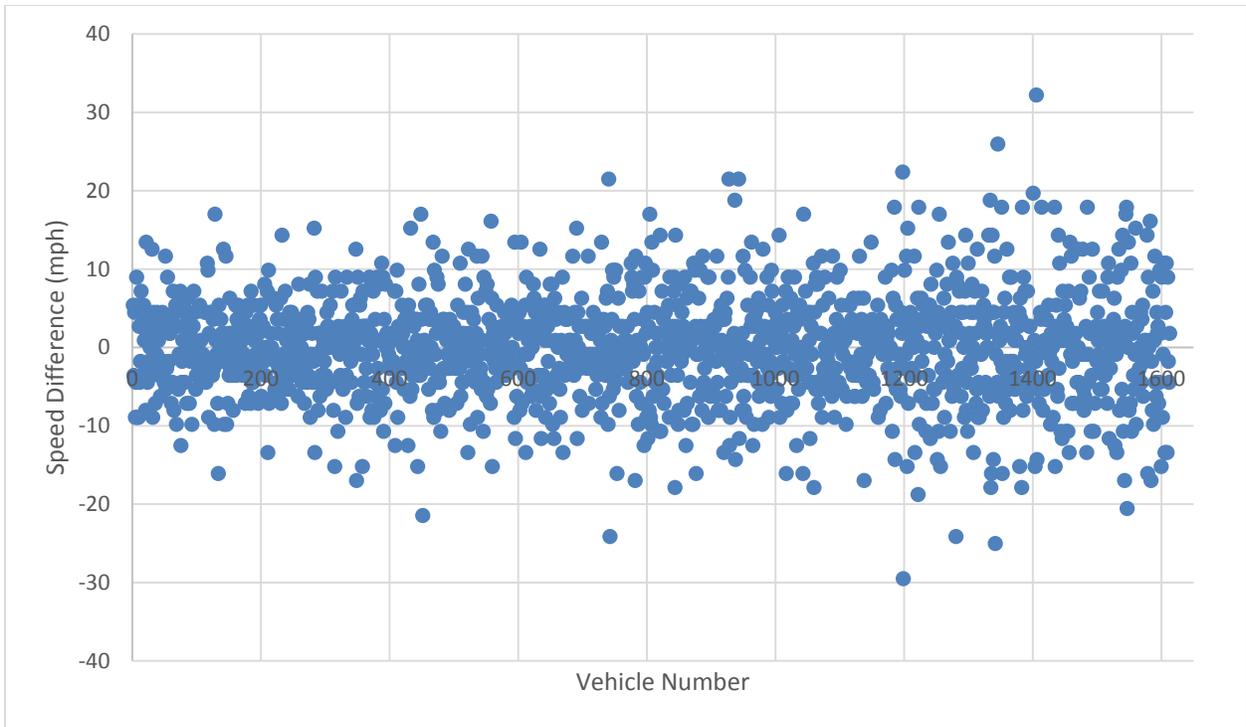


Figure B.34: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 3, Operation Time

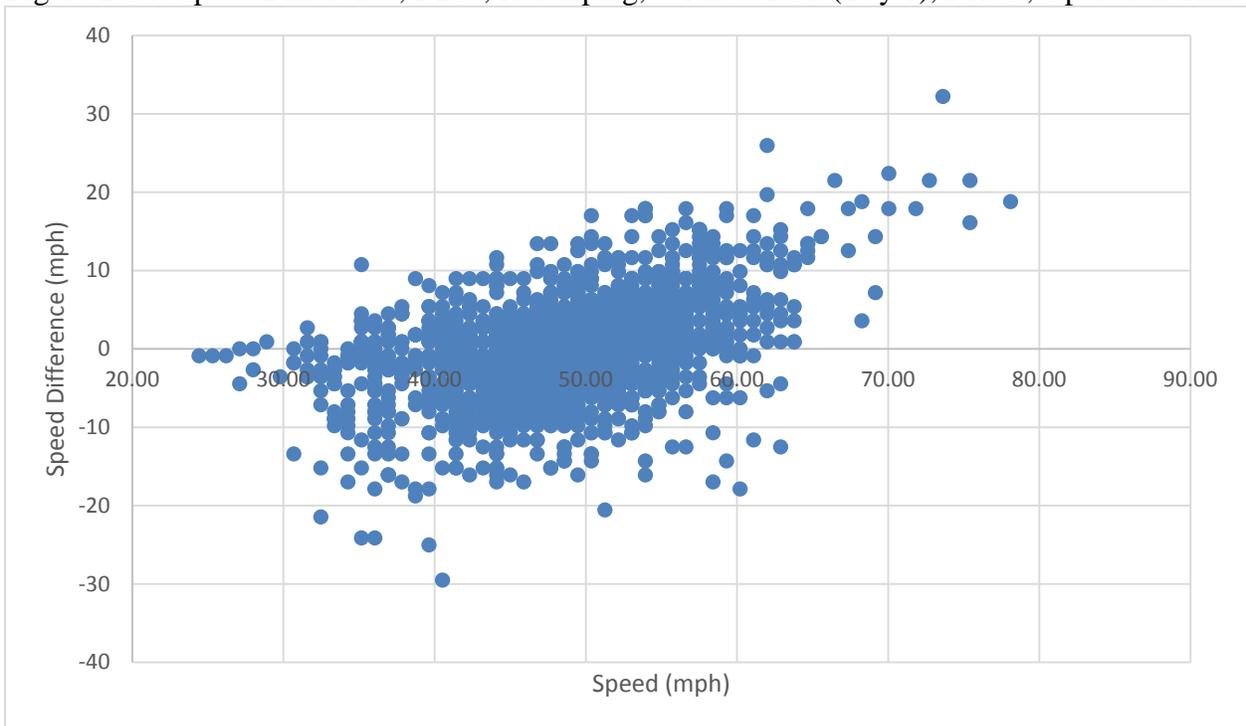


Figure B.35: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 3, Operation Time

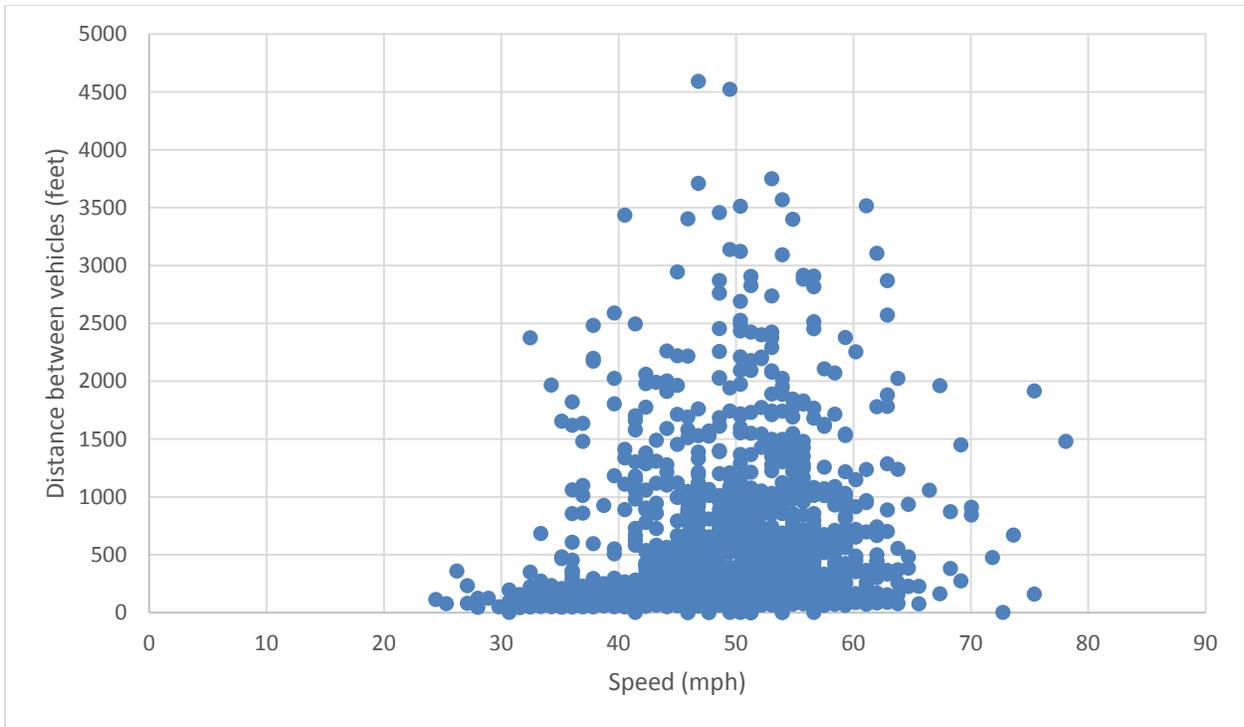


Figure B.36: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 3, Operation Time

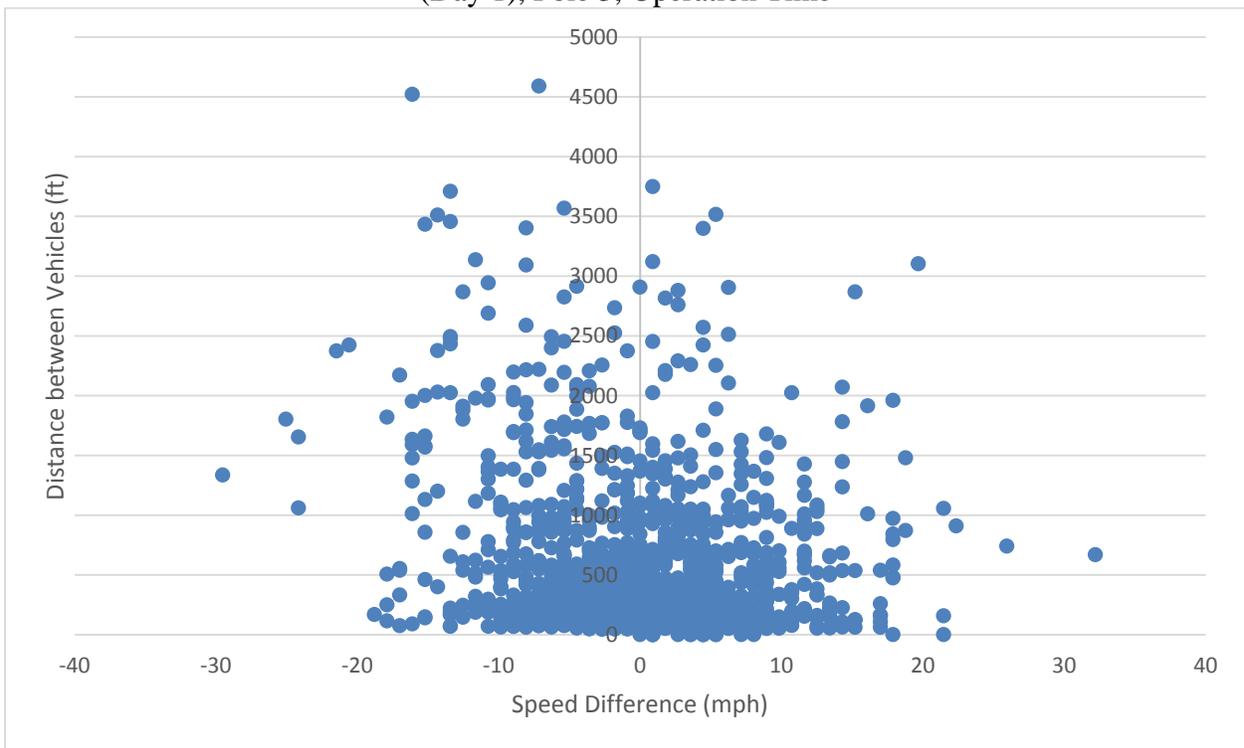


Figure B.37: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 3, Operation Time

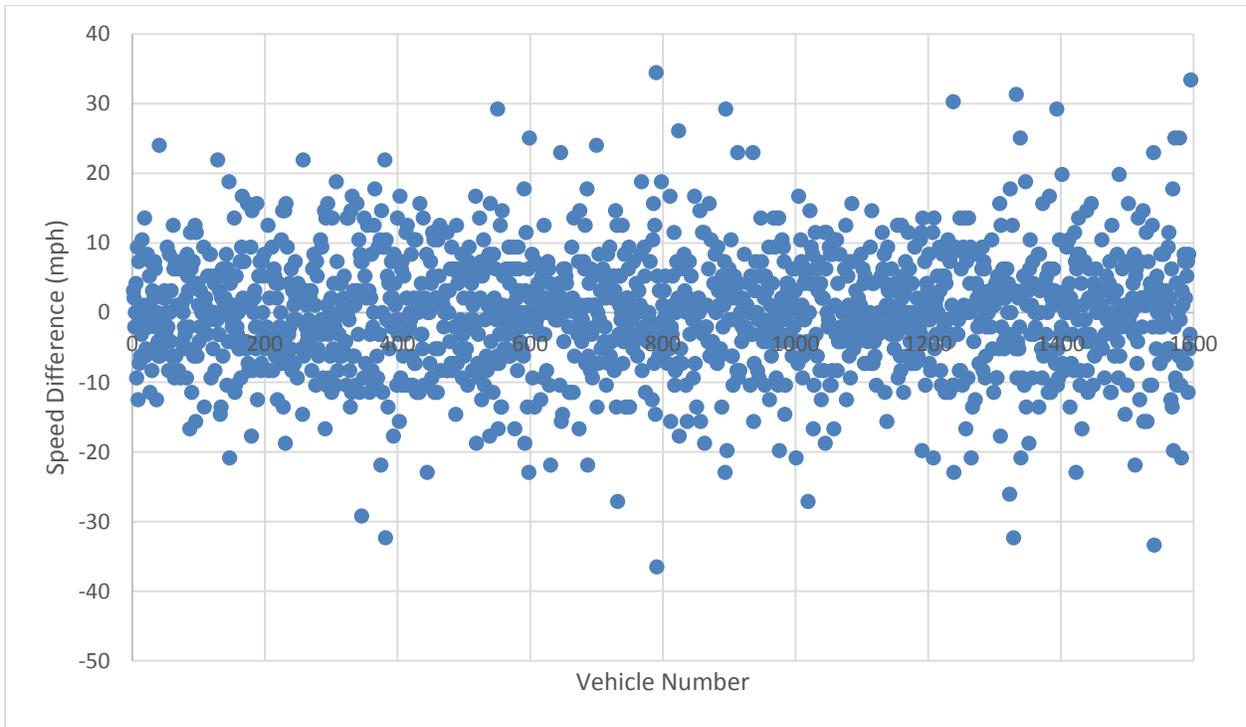


Figure B.38: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 5, Operation Time

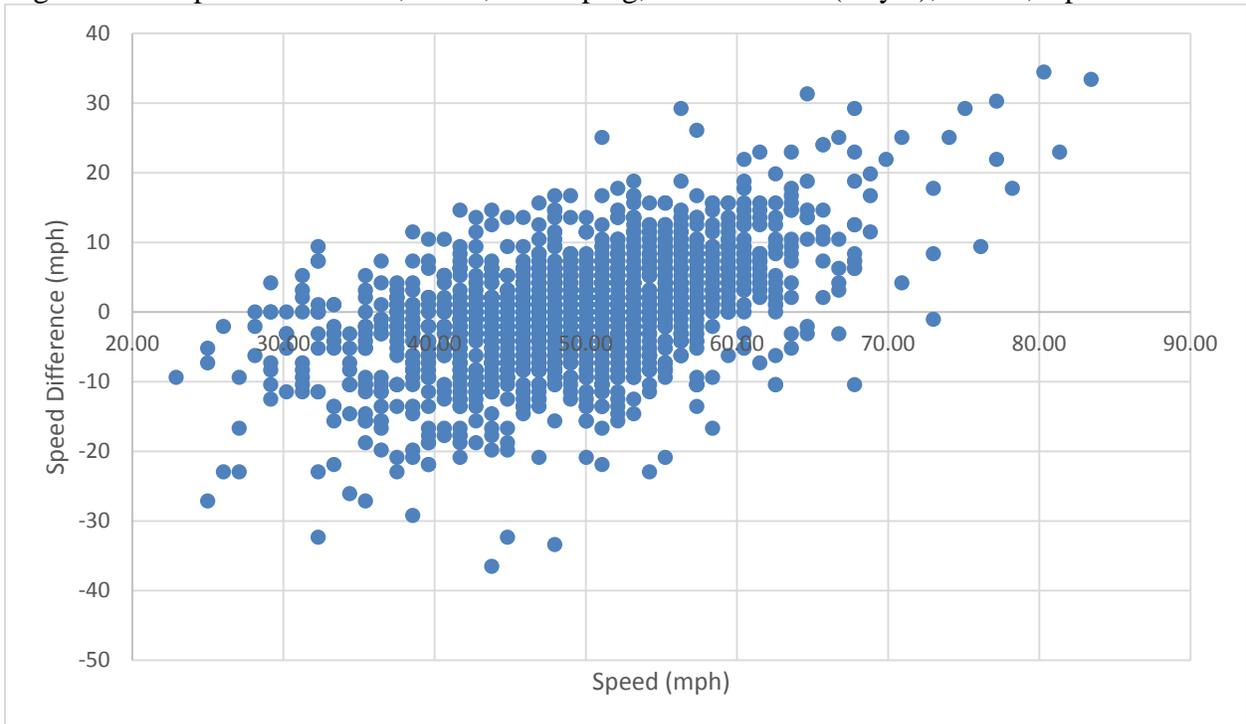


Figure B.39: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 5, Operation Time

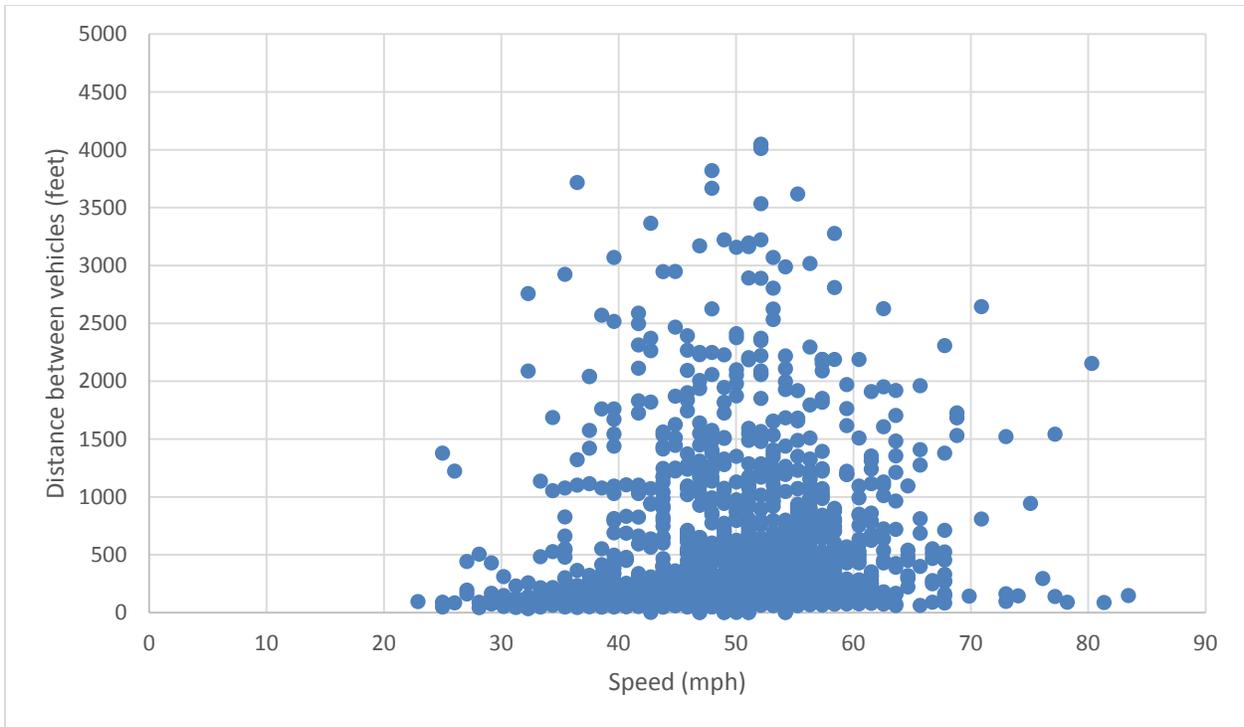


Figure B.40: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 5, Operation Time

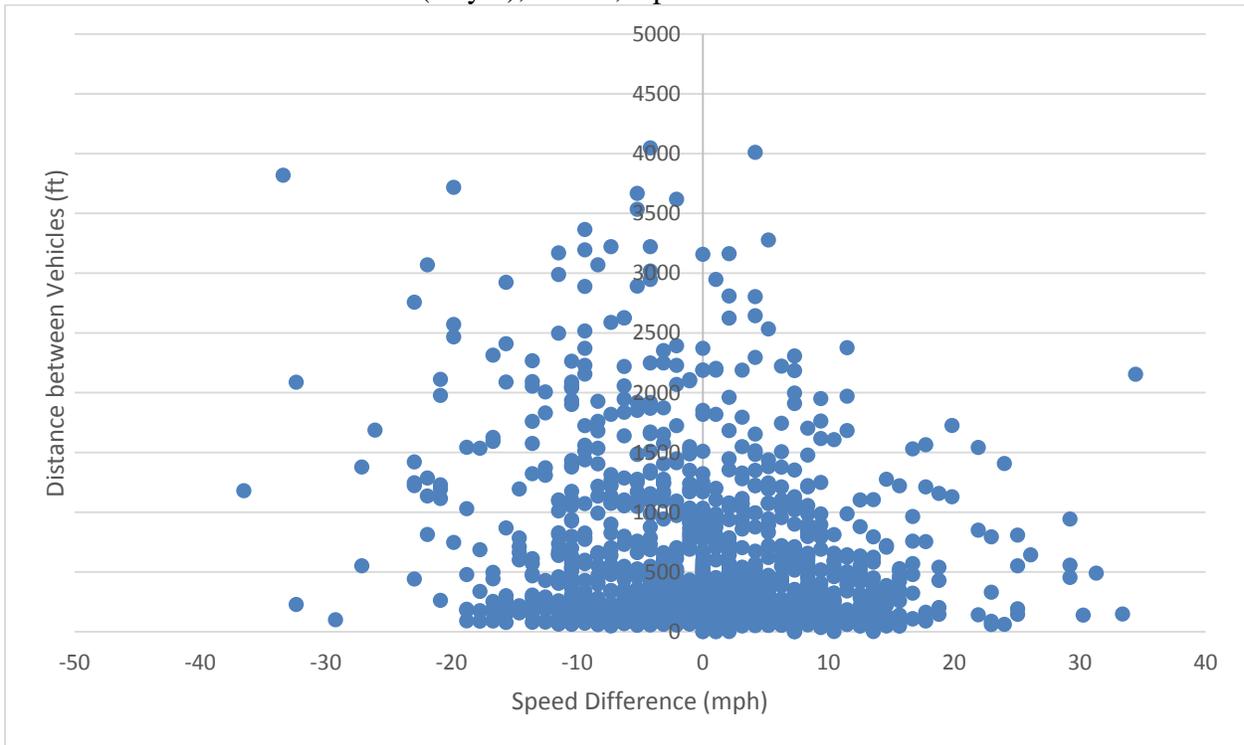


Figure B.41: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 5, Operation Time

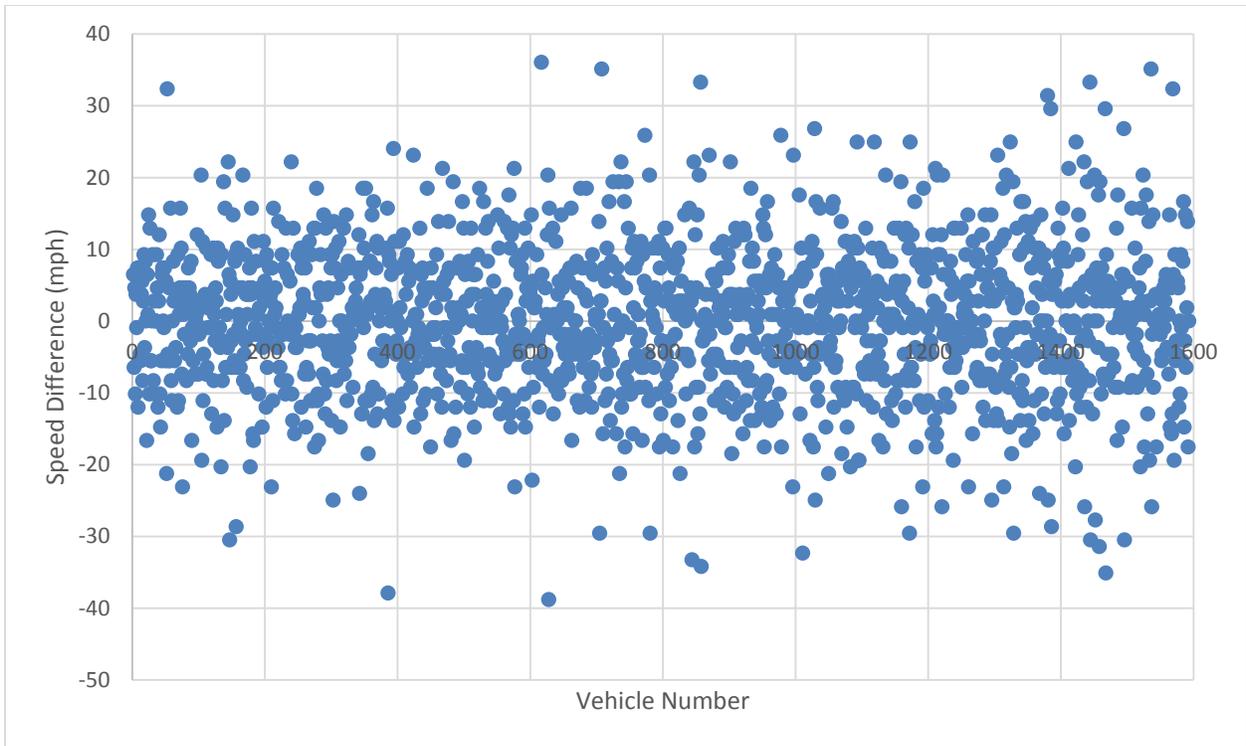


Figure B.42: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 7, Operation Time

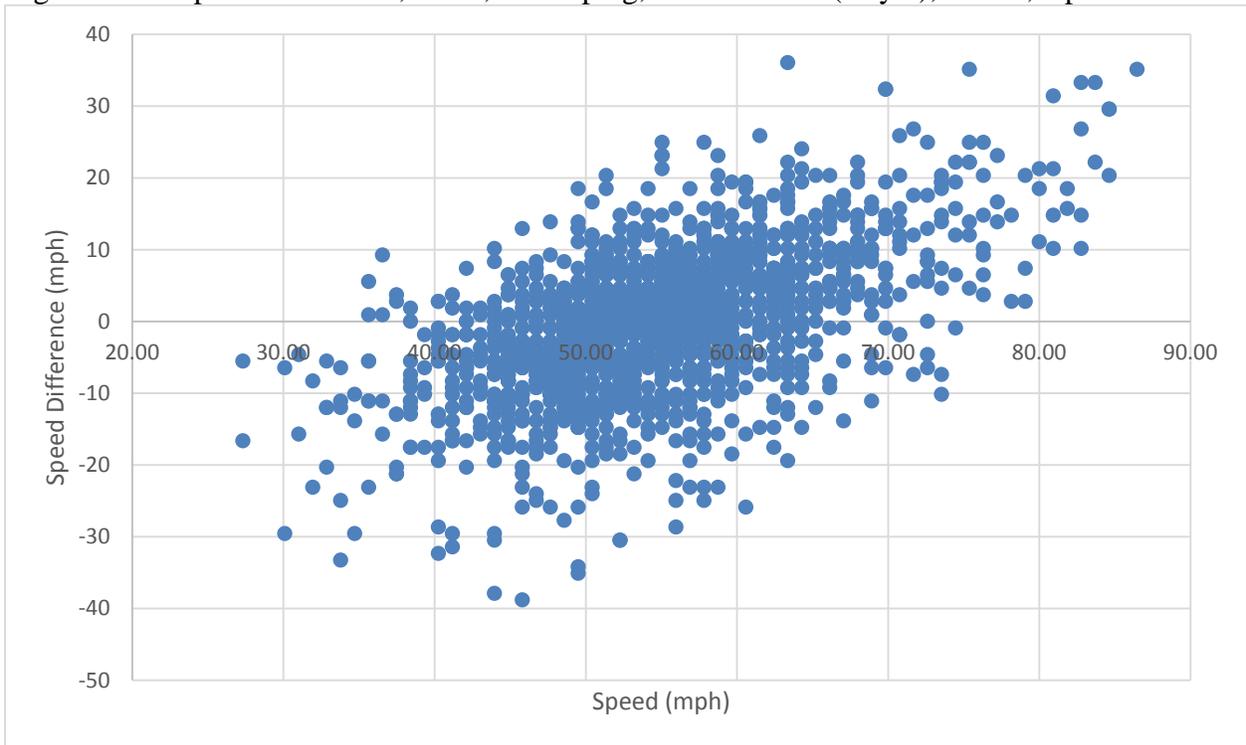


Figure B.43: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 7, Operation Time

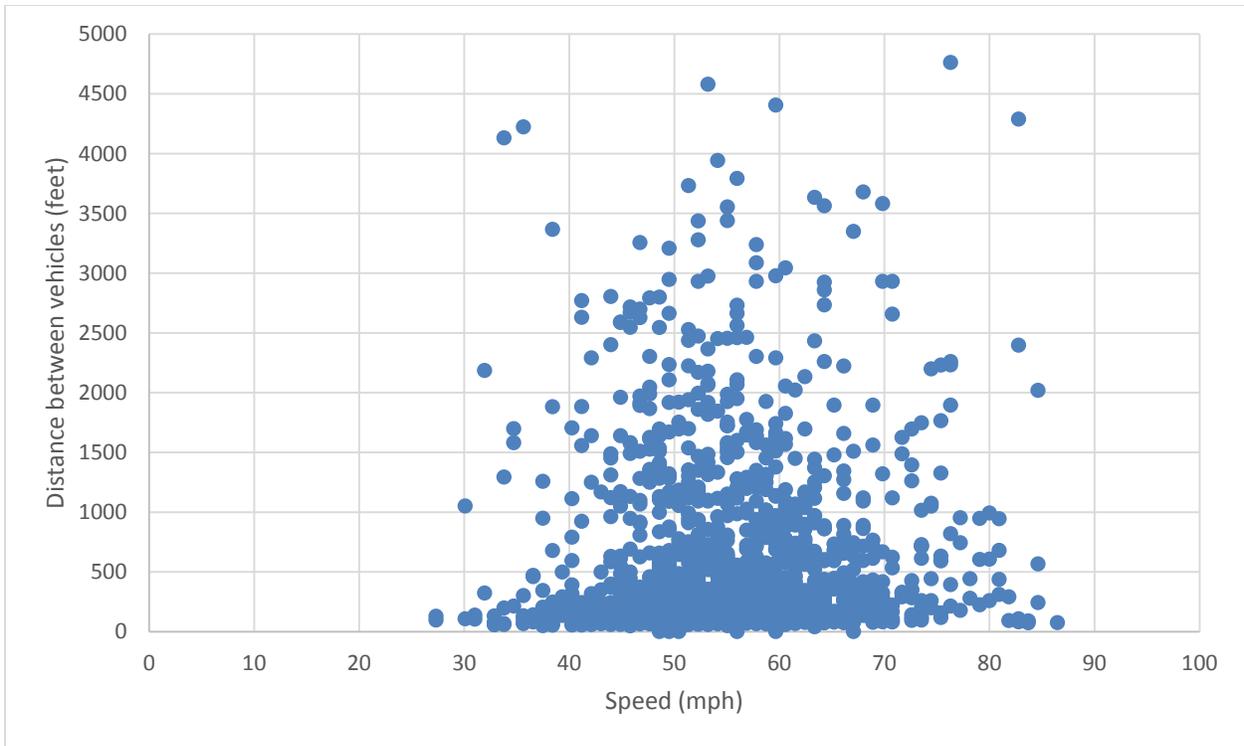


Figure B.44: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 7, Operation Time

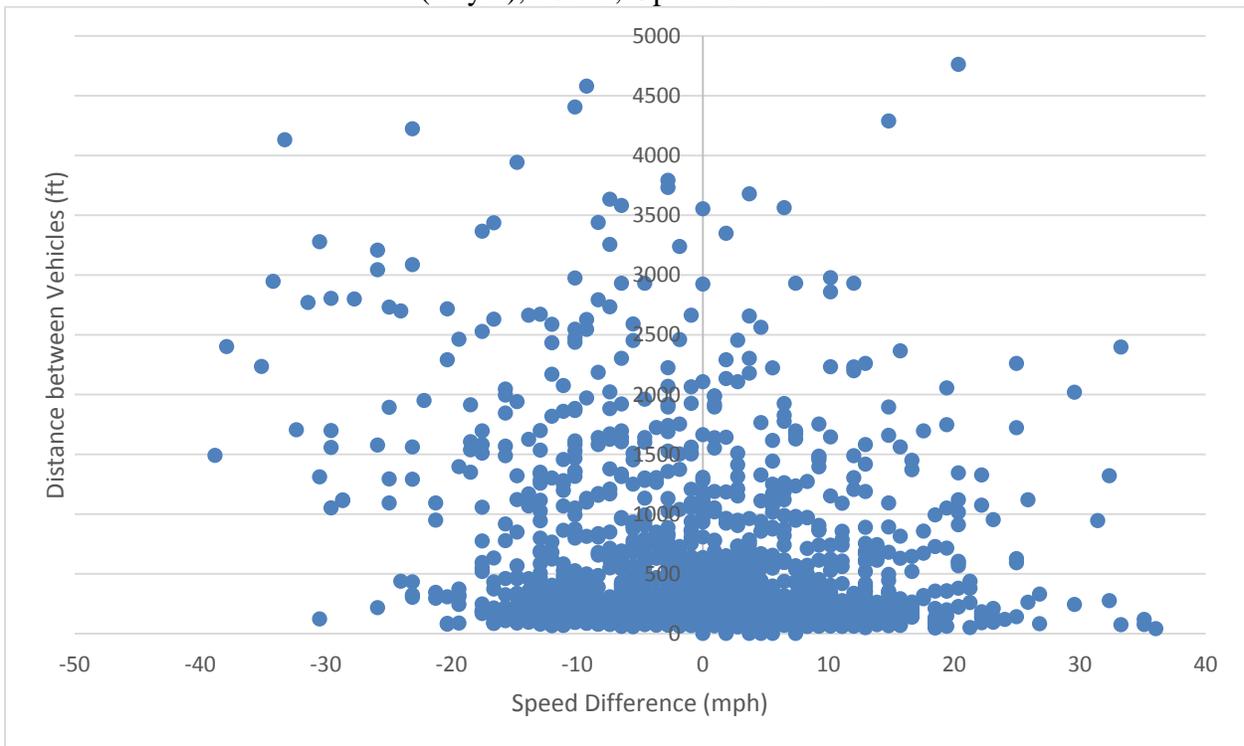


Figure B.45: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 7, Operation Time

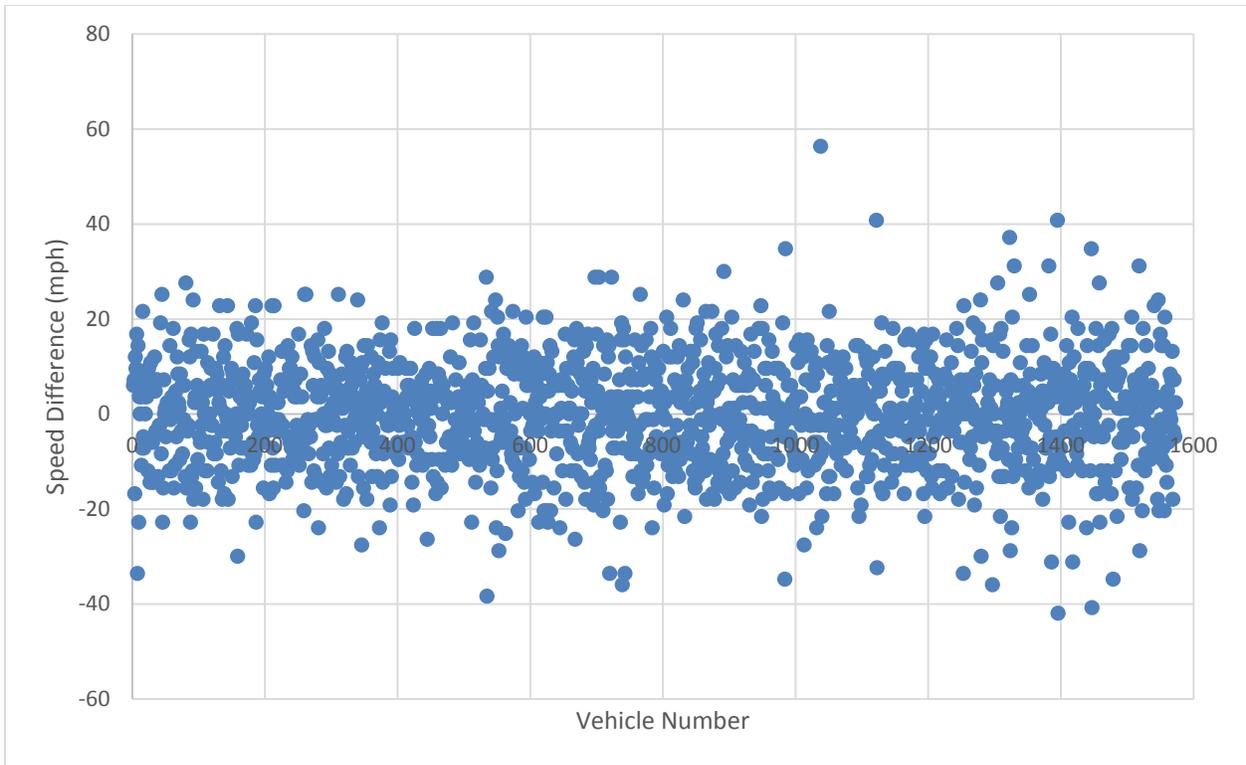


Figure B.46: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 9, Operation Time

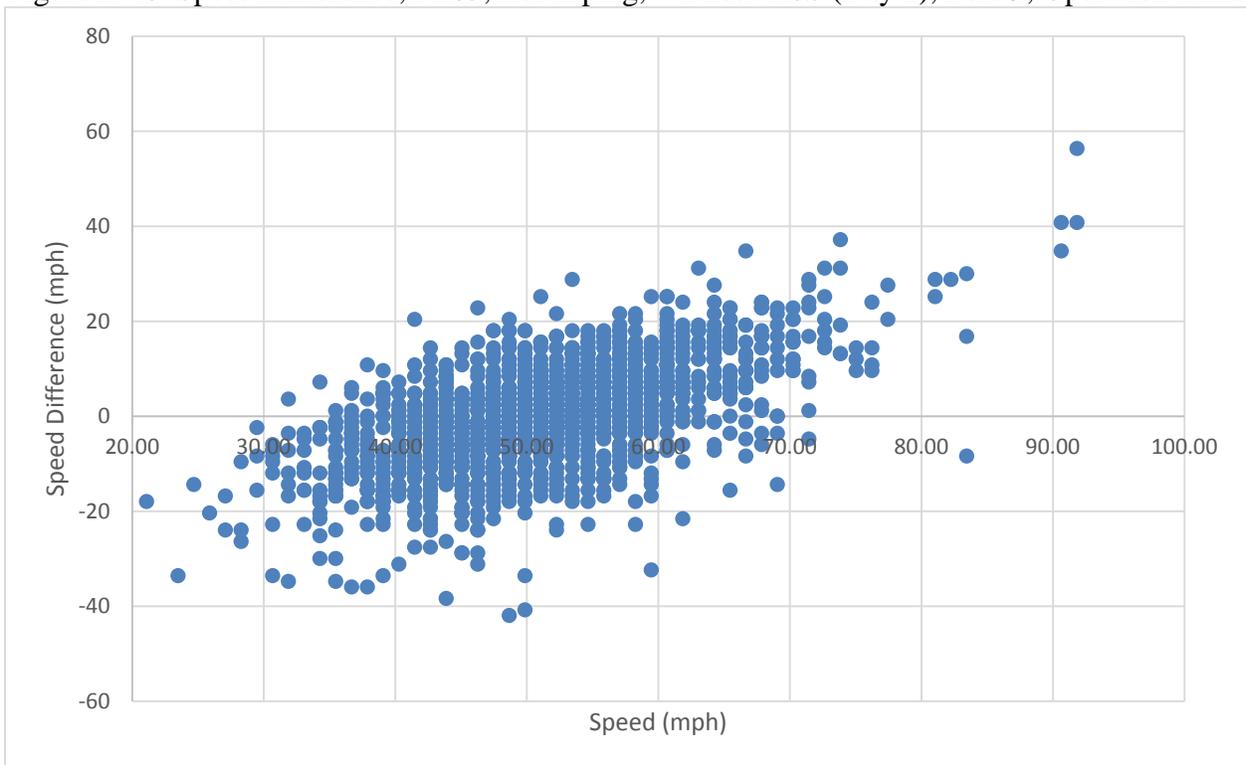


Figure B.47: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 9, Operation Time

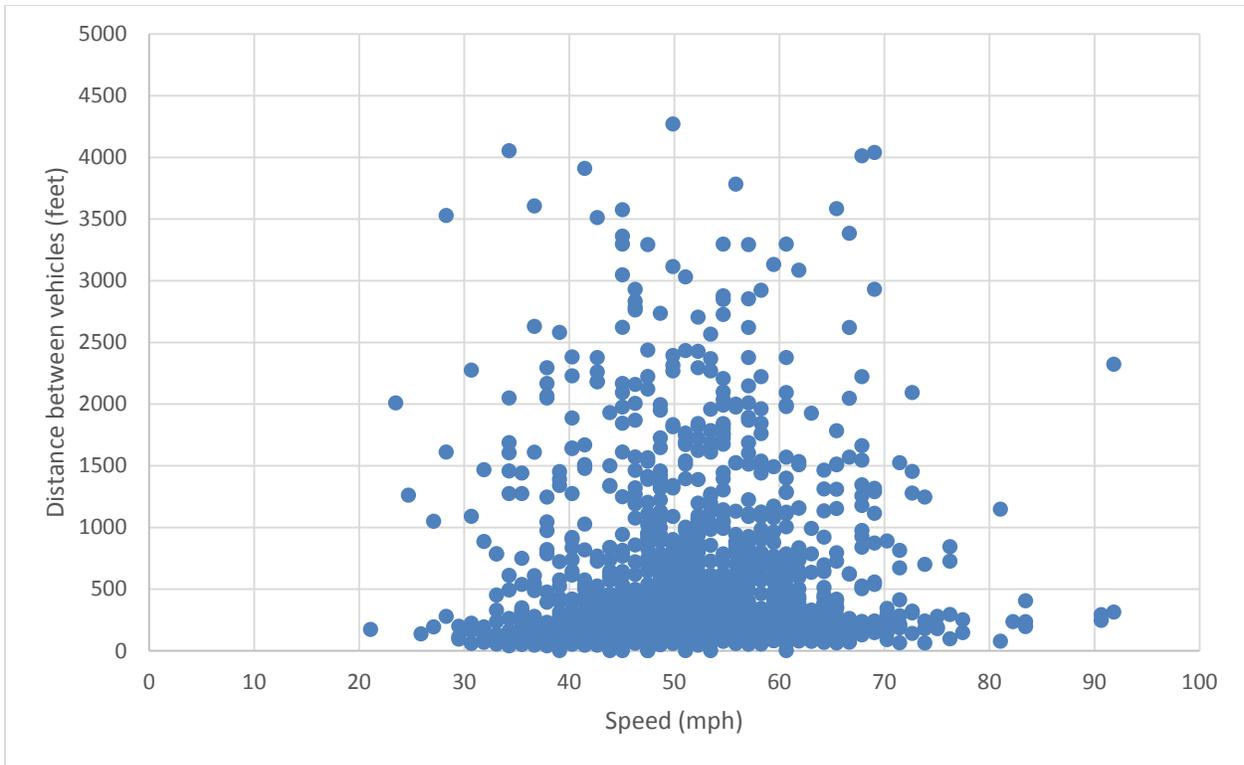


Figure B.48: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 9, Operation Time

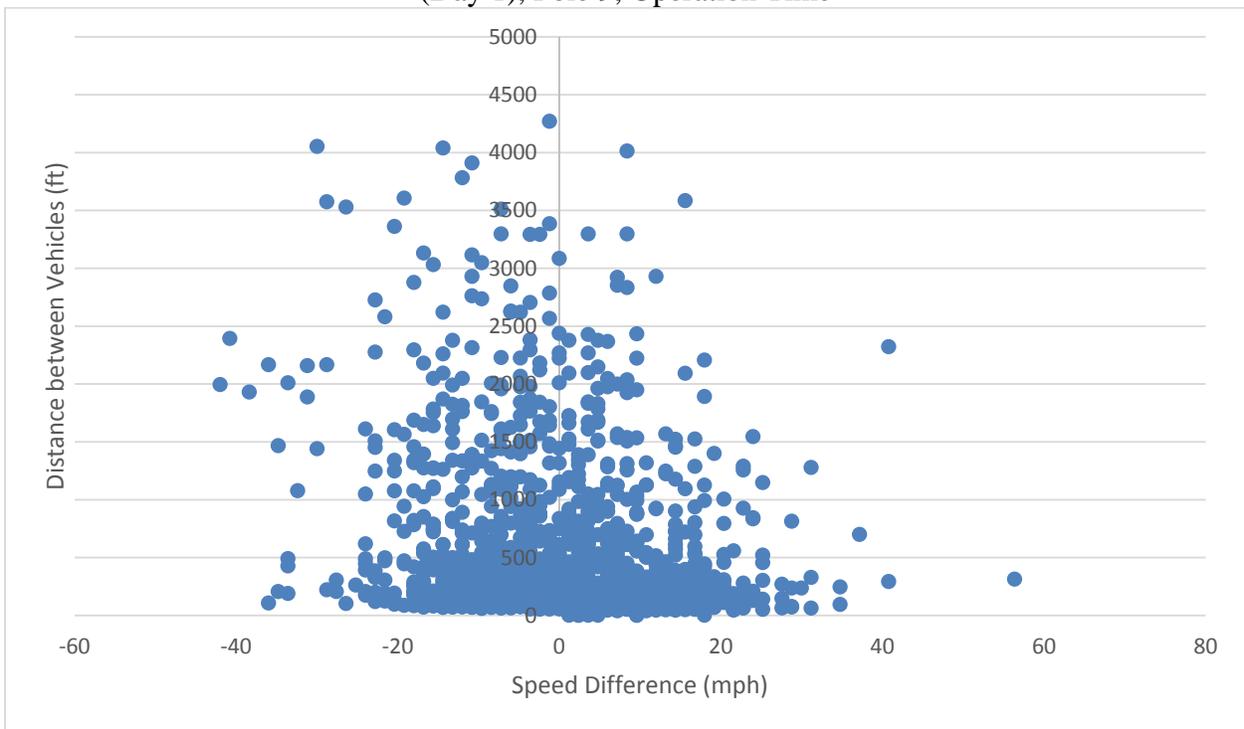


Figure B.49: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 9, Operation Time

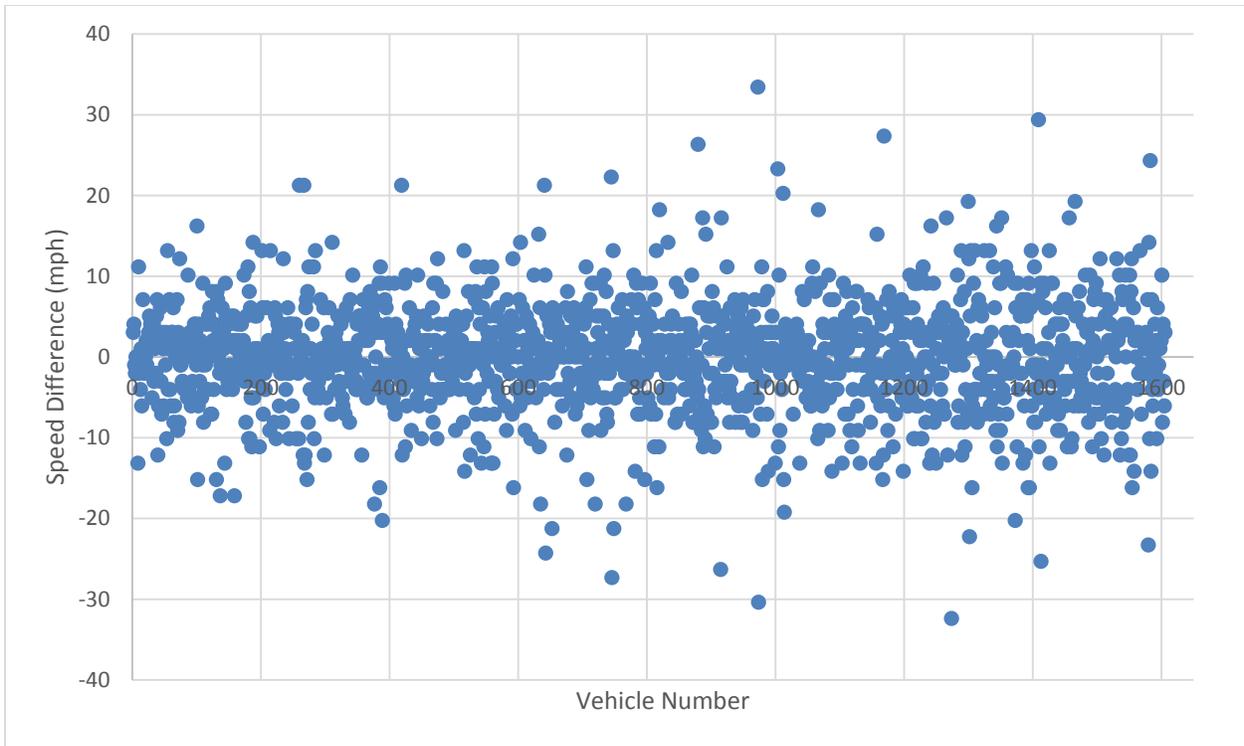


Figure B.50: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 11, Operation Time

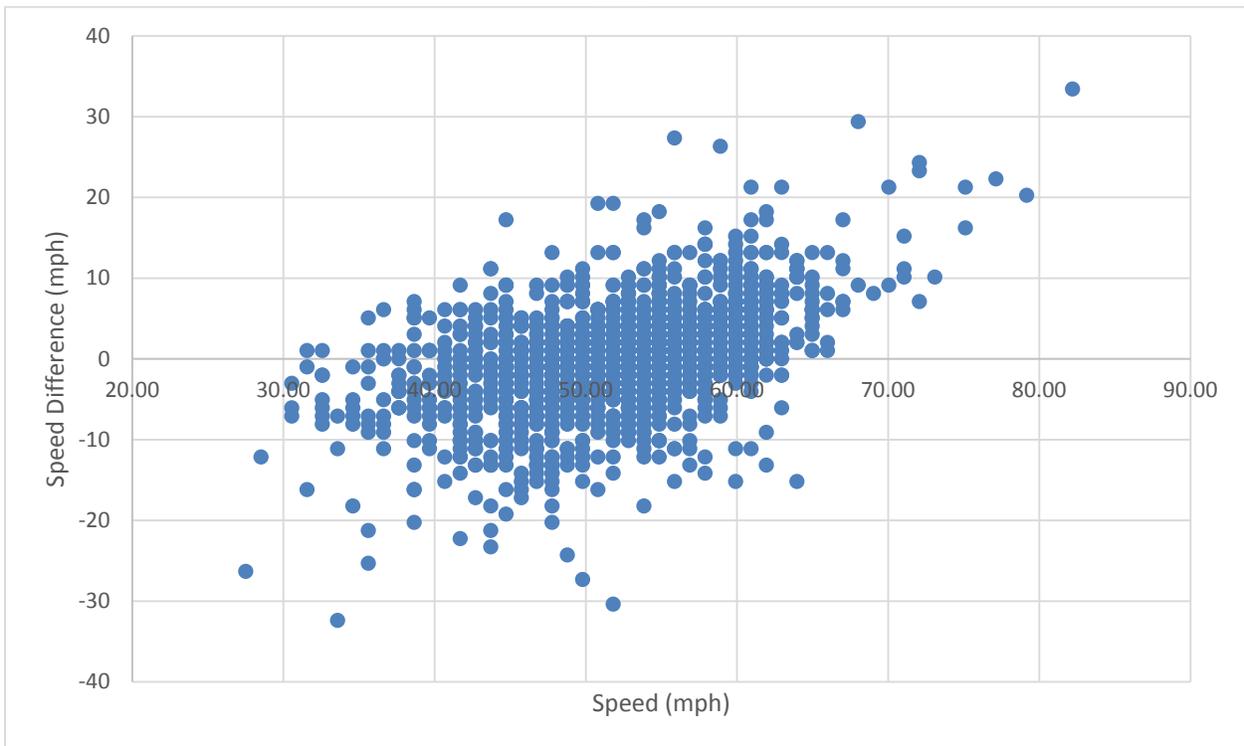


Figure B.51: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 11, Operation Time

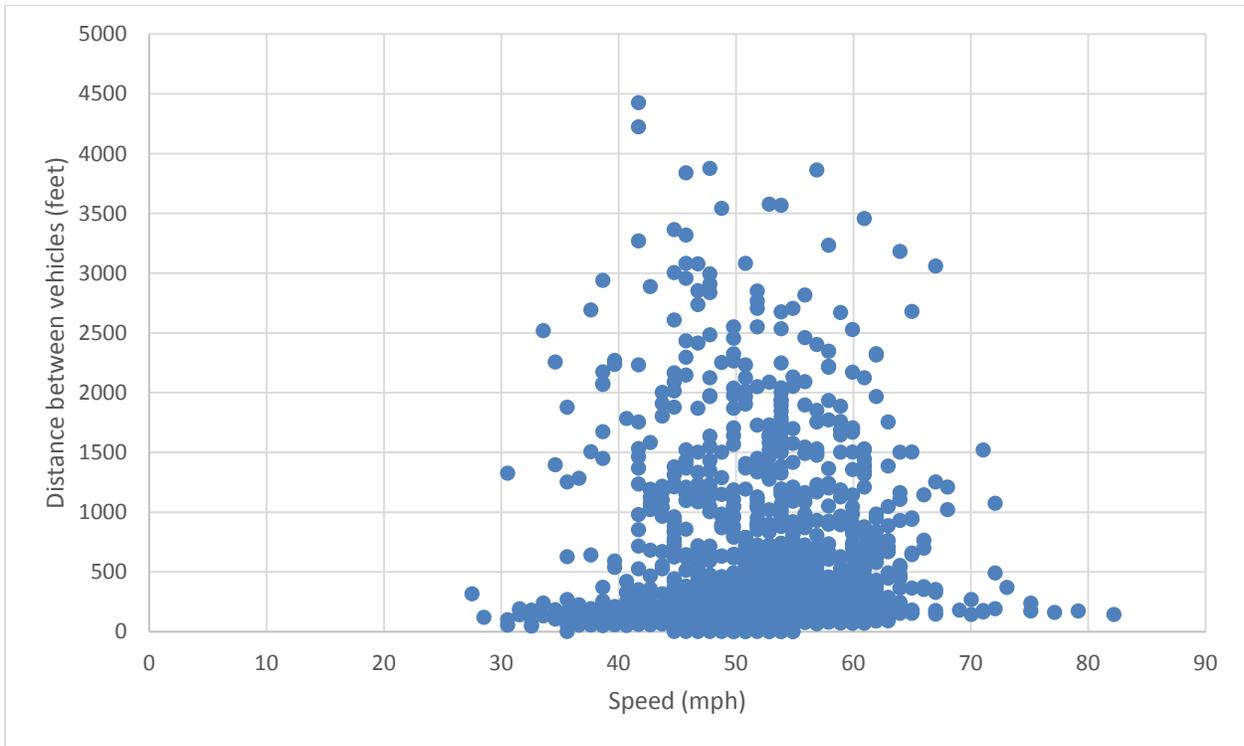


Figure B.52: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 11, Operation Time

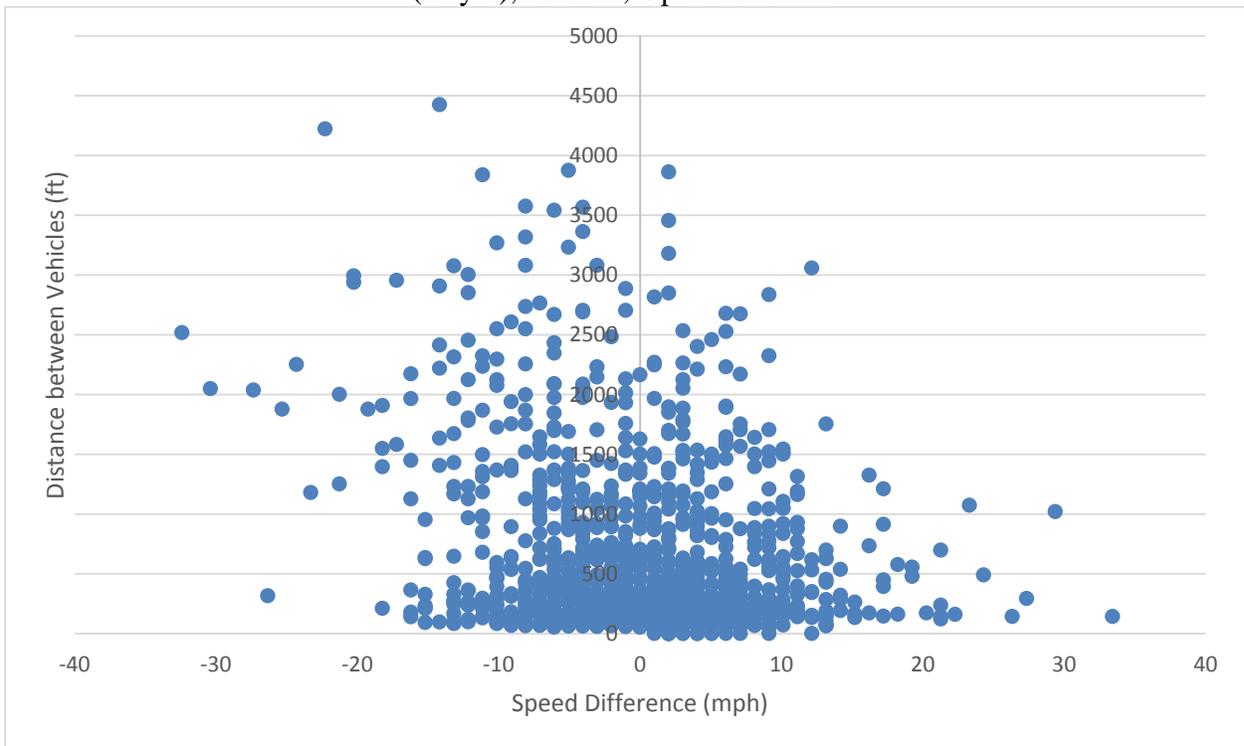


Figure B.53: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 11, Operation Time

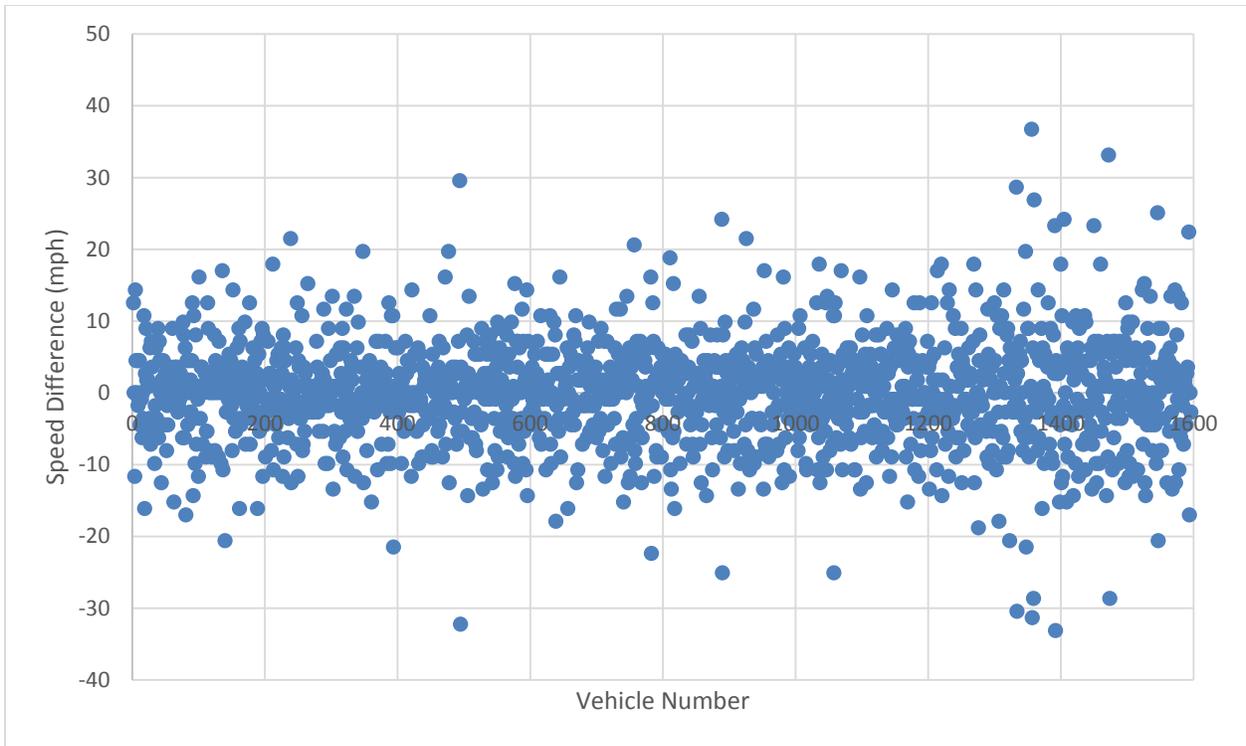


Figure B.54: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 13, Operation Time

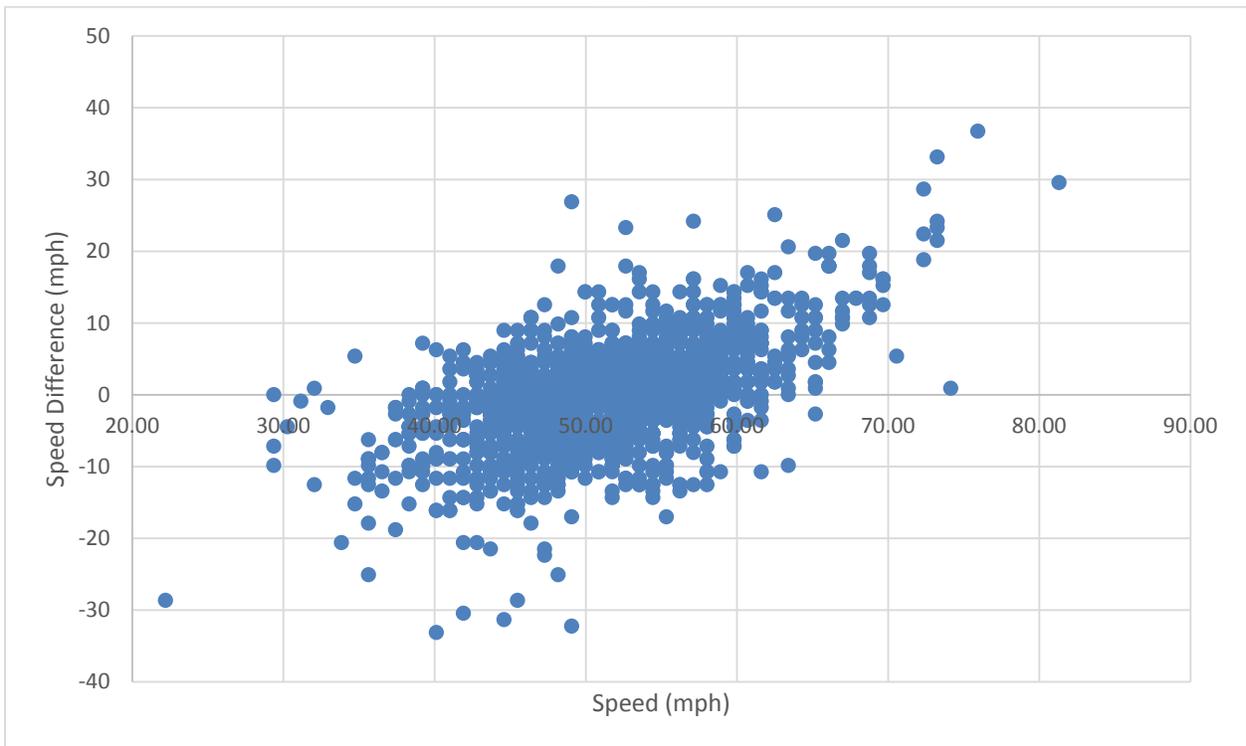


Figure B.55: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 13, Operation Time

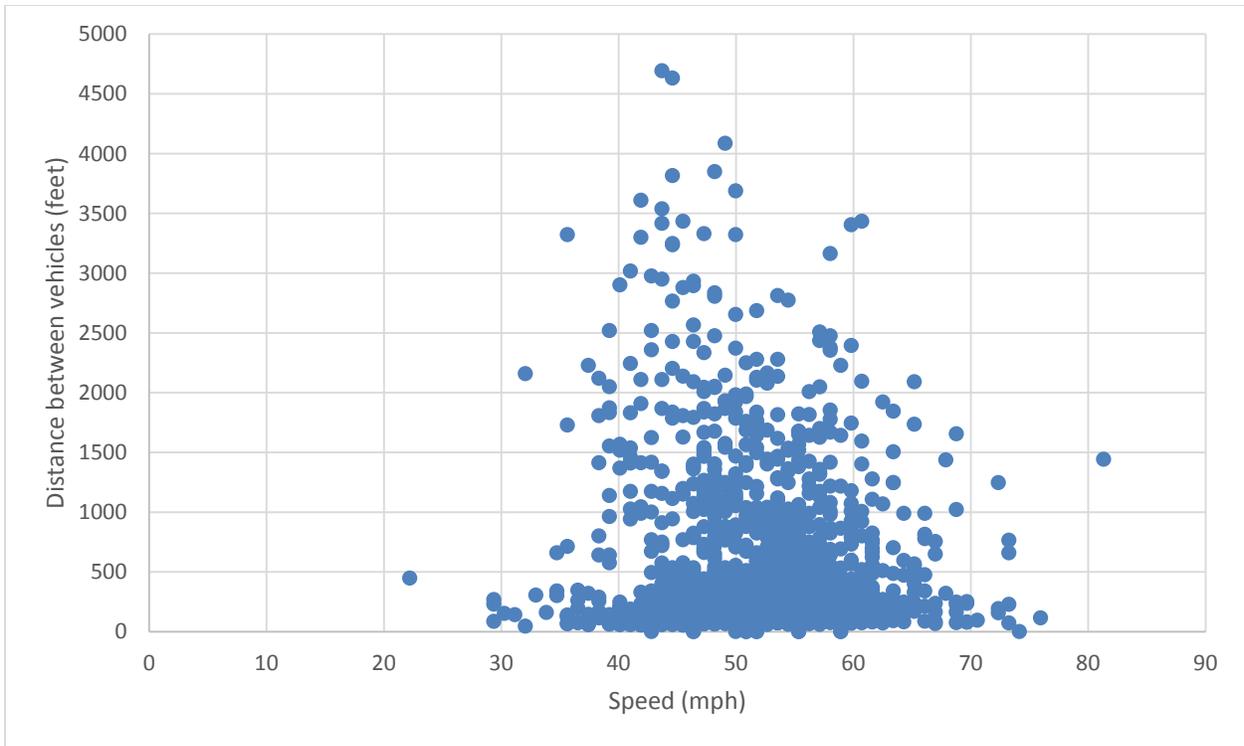


Figure B.56: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 13, Operation Time

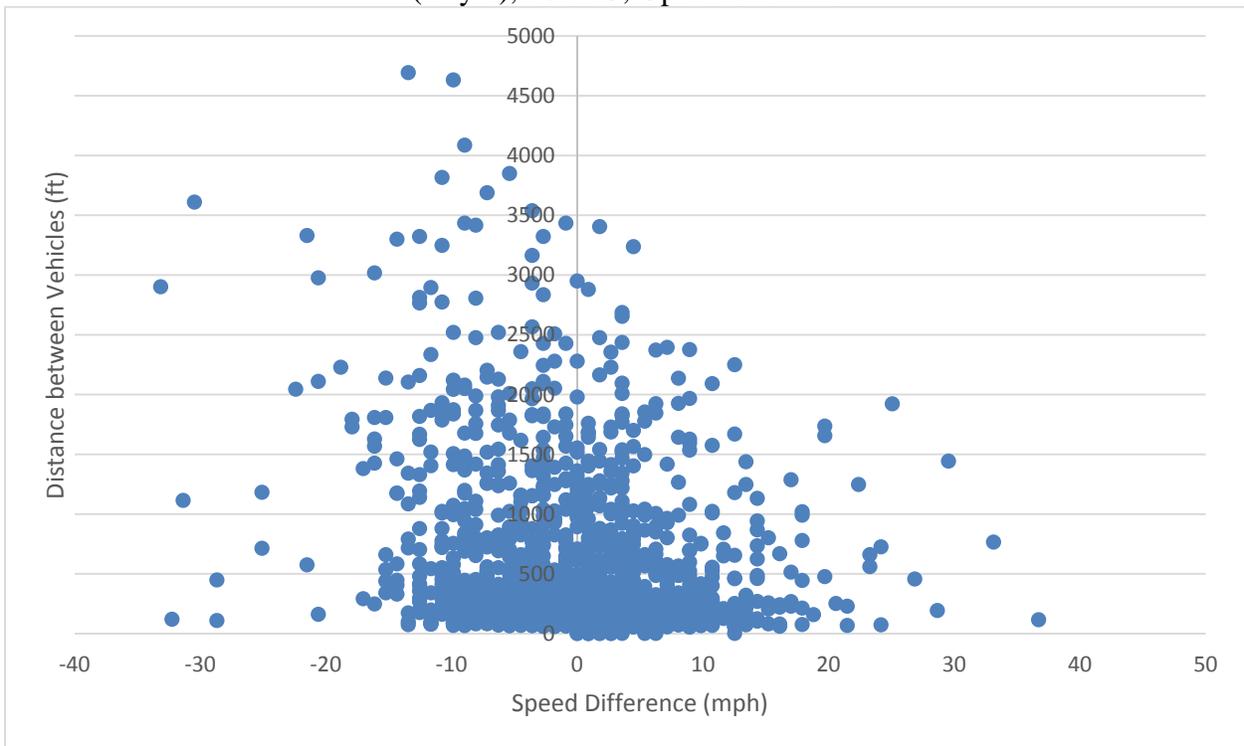


Figure B.57: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 13, Operation Time

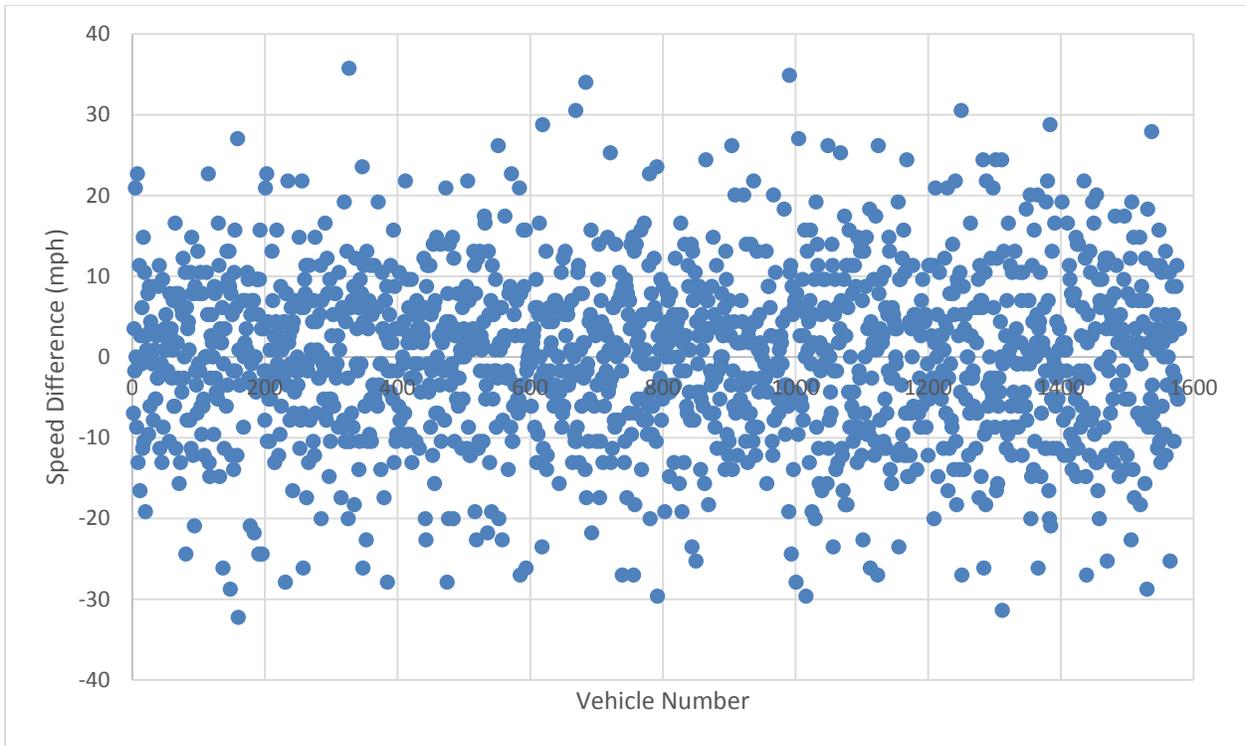


Figure B.58: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 15, Operation Time

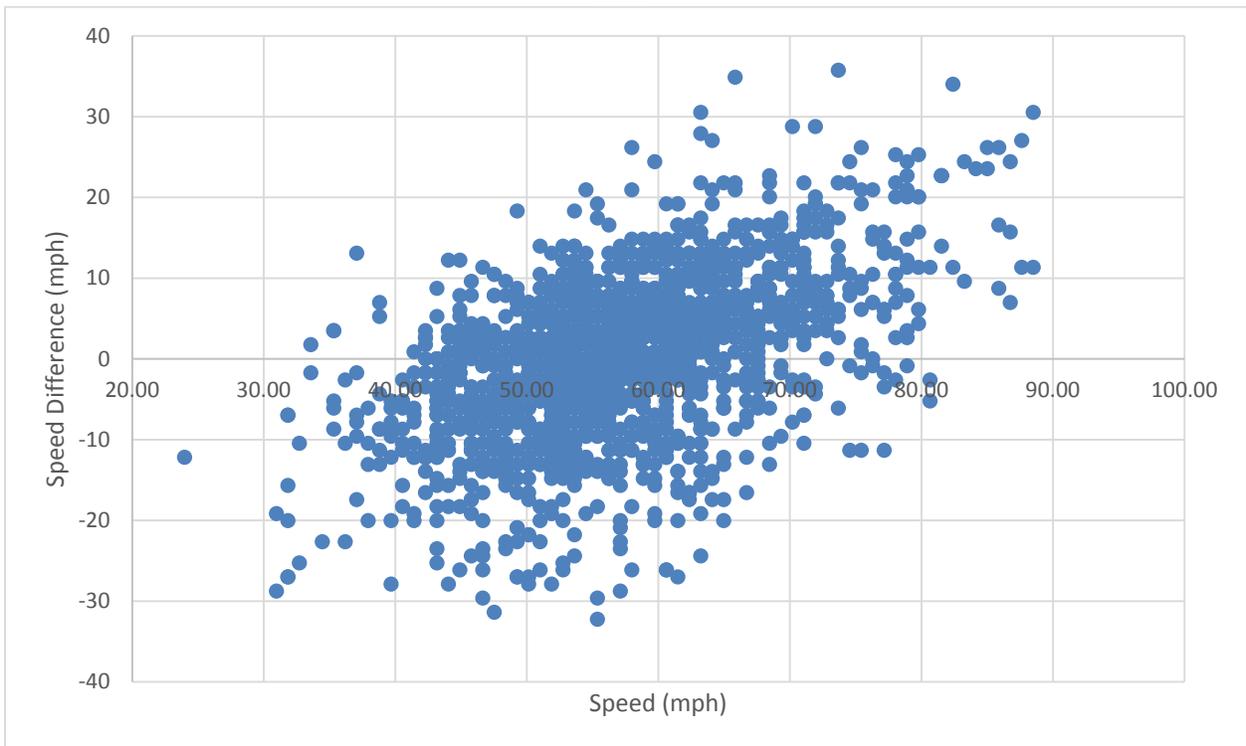


Figure B.59: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 15, Operation Time

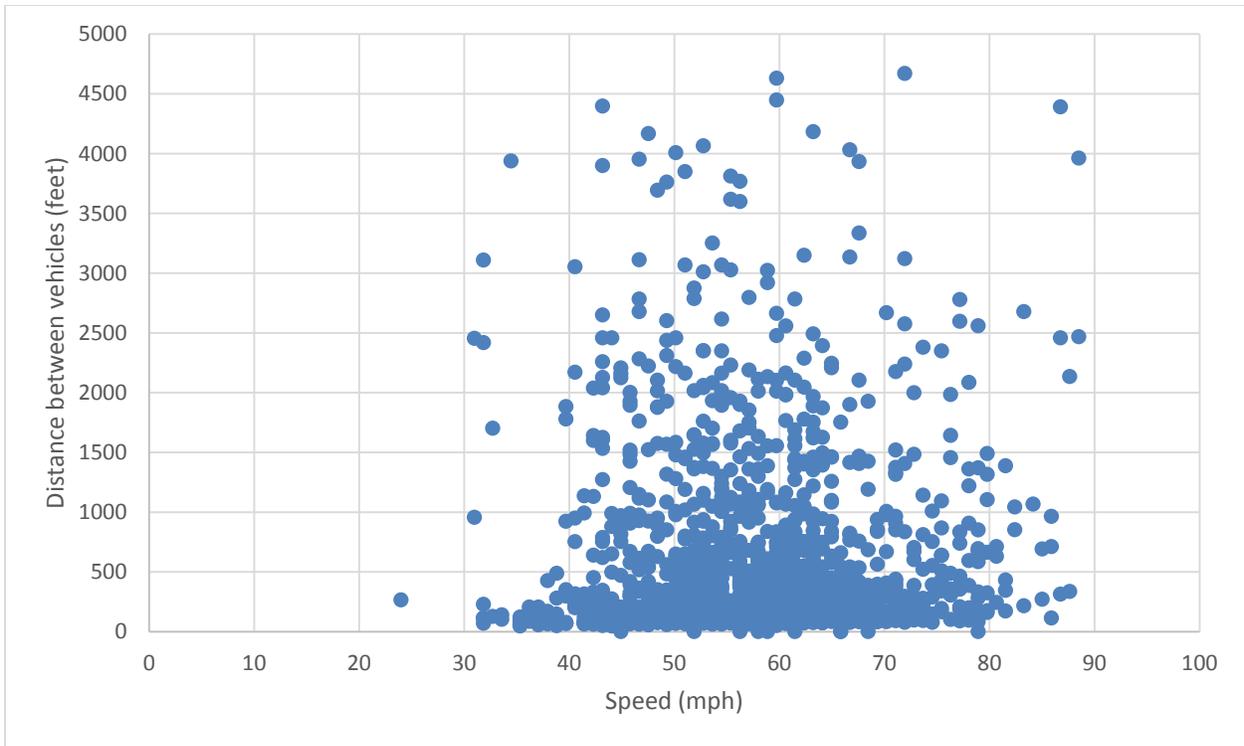


Figure B.60: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 15, Operation Time

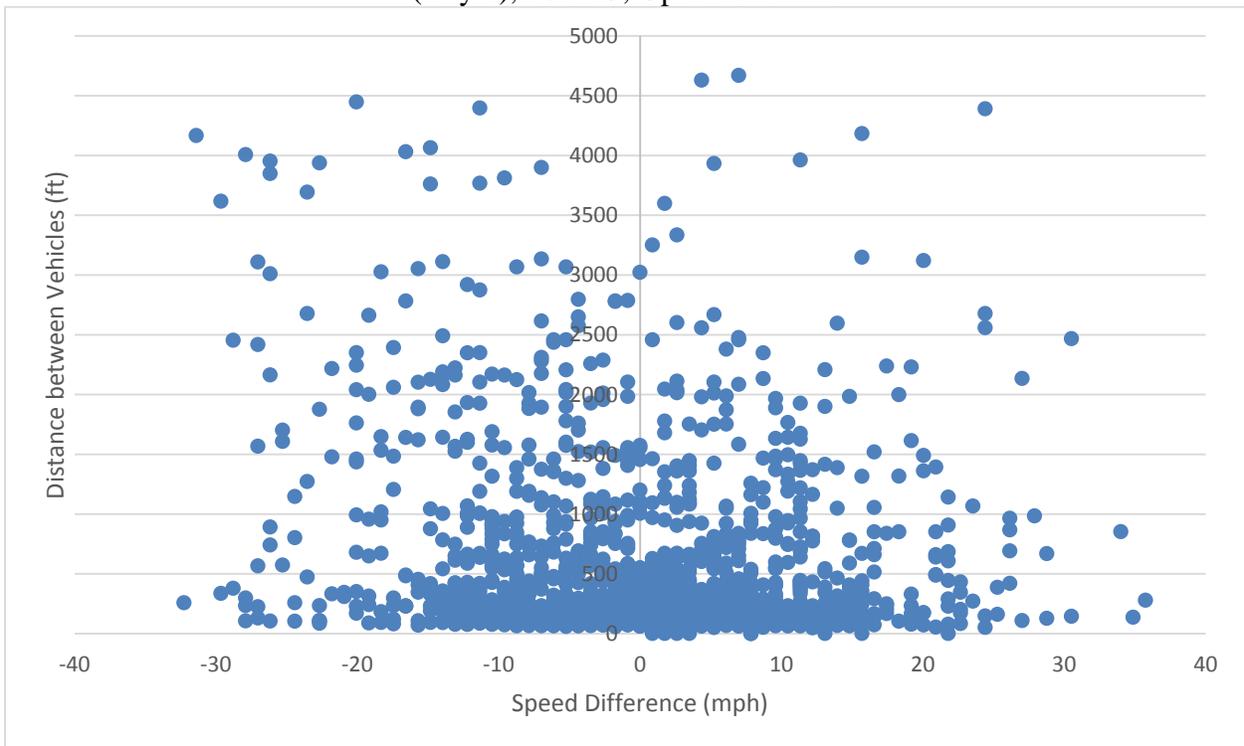


Figure B.61: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 15, Operation Time

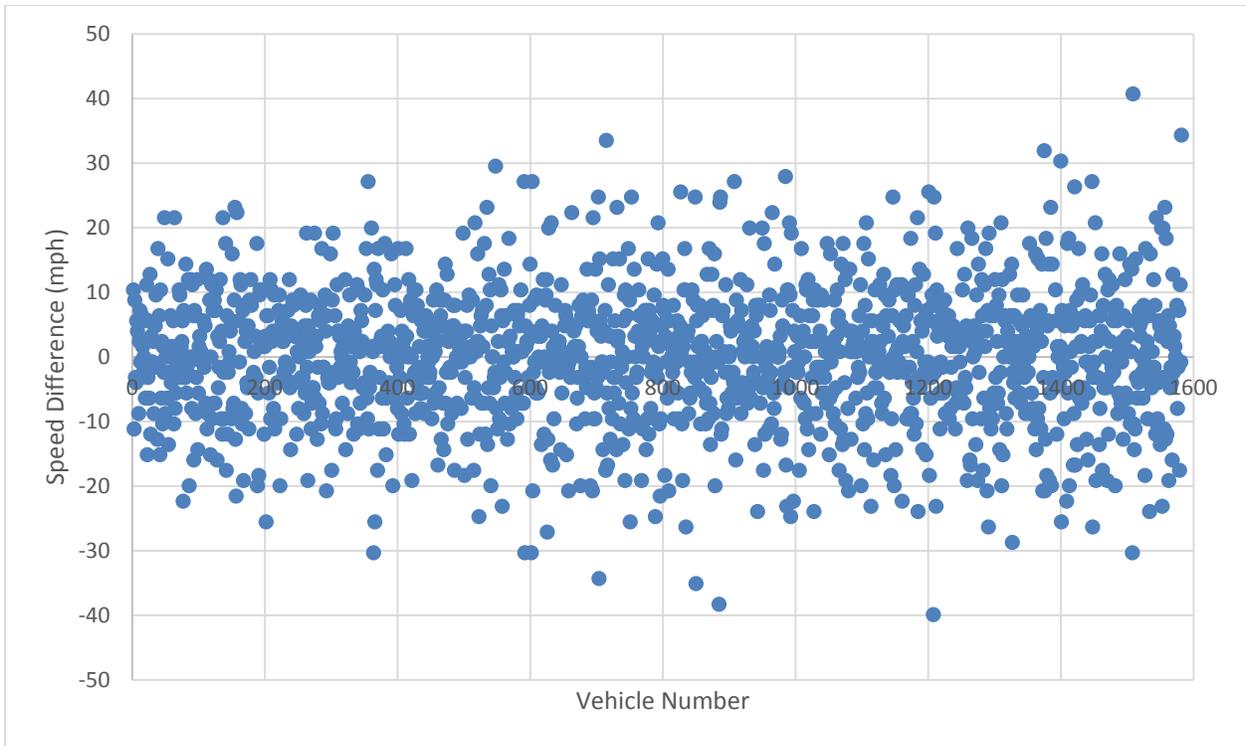


Figure B.62: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 17, Operation Time

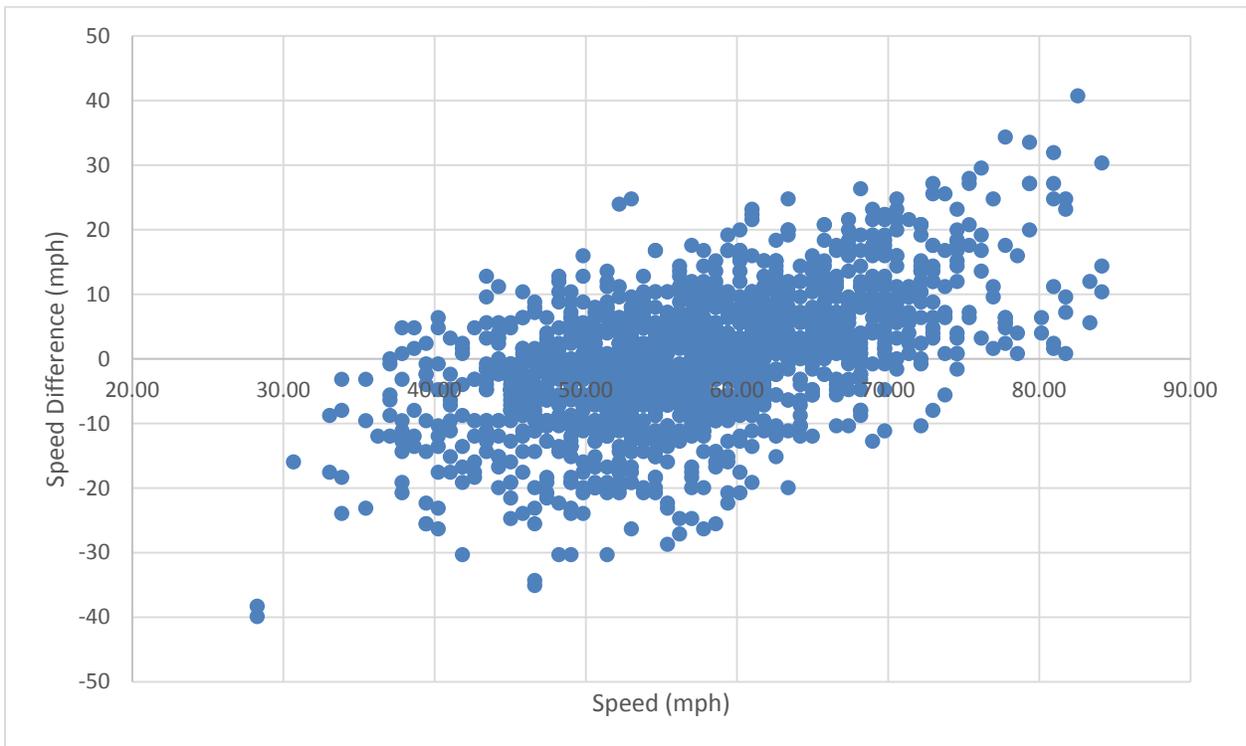


Figure B.63: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 17, Operation Time

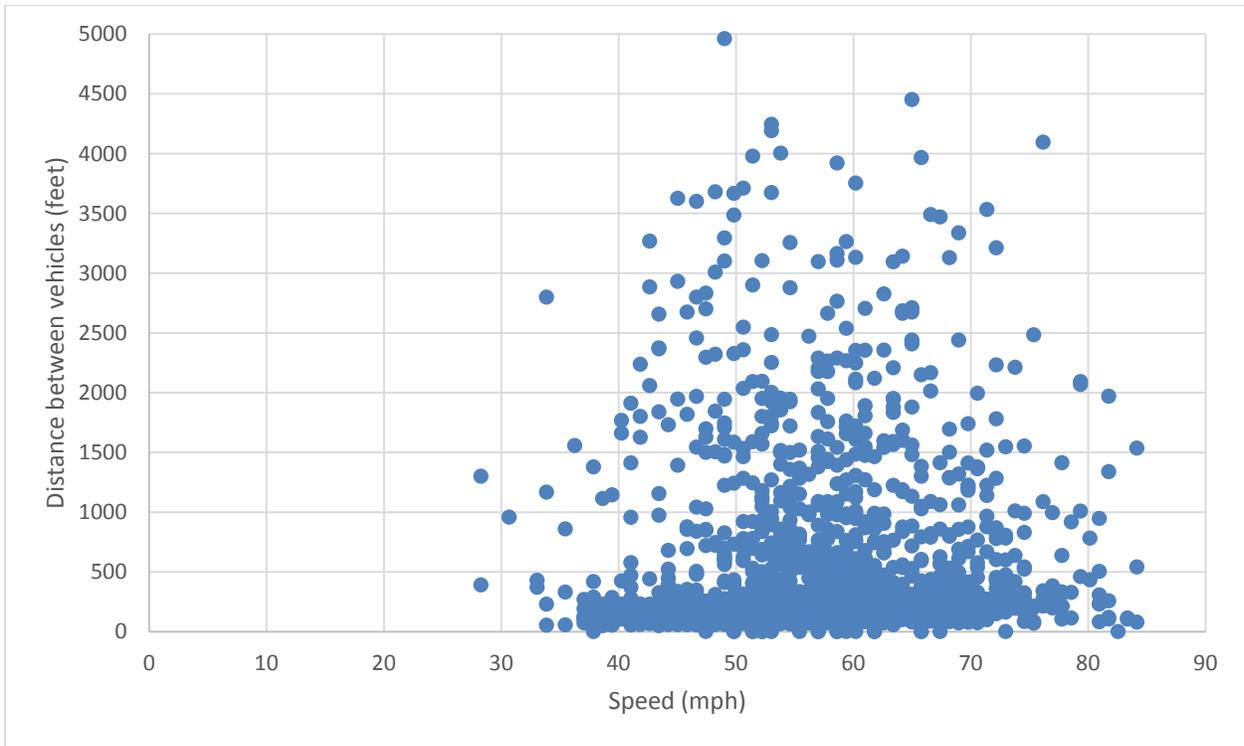


Figure B.64: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 17, Operation Time

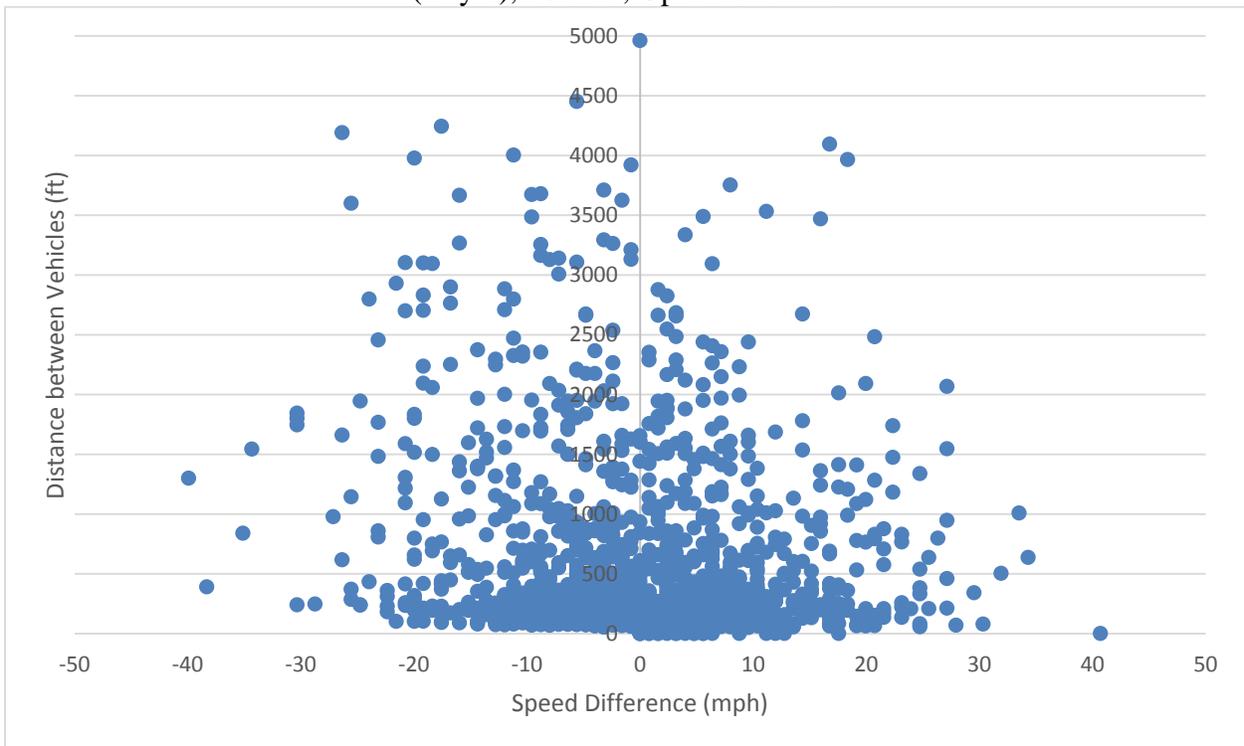


Figure B.65: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 17, Operation Time

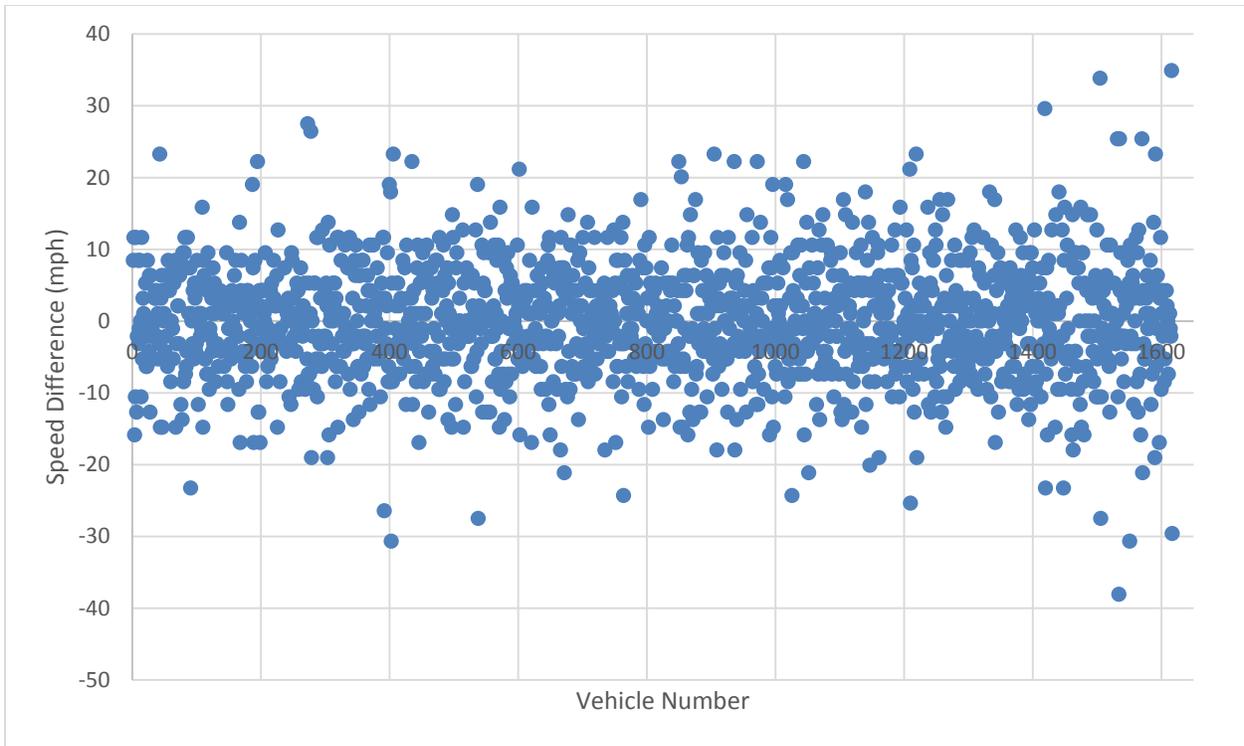


Figure B.66: Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 19, Operation Time

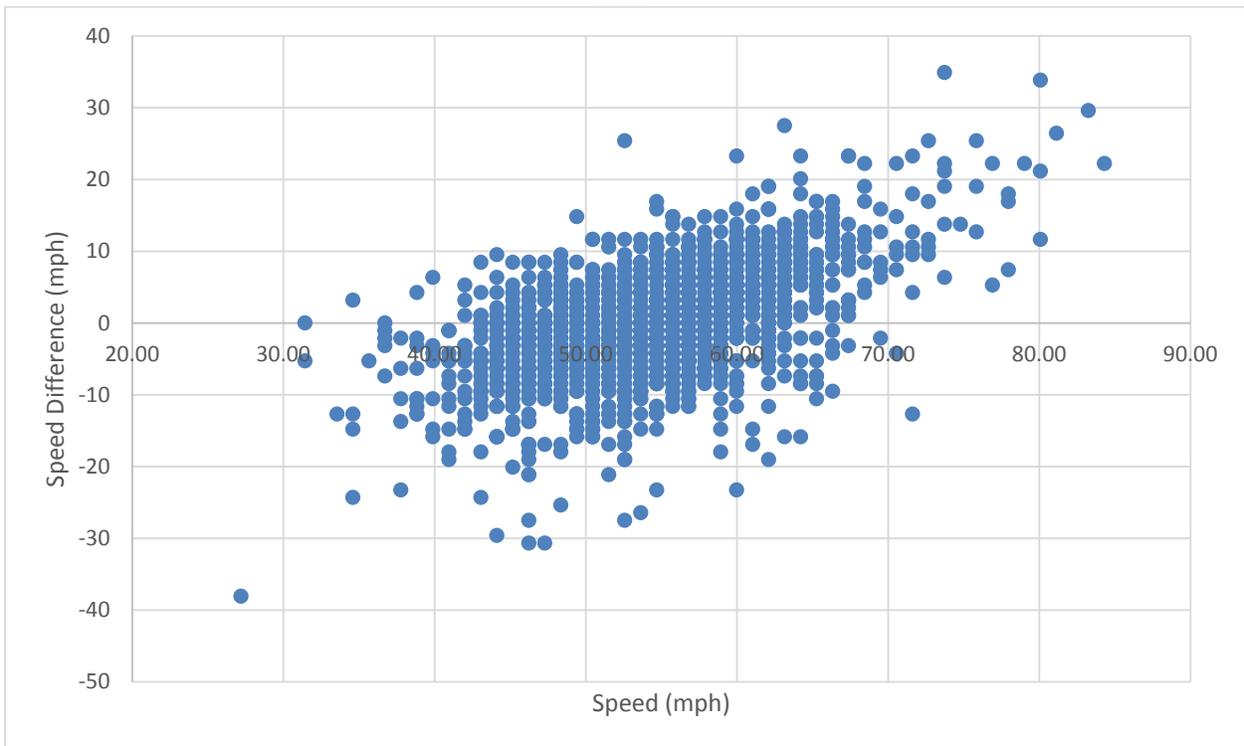


Figure B.67: Speed Difference vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 19, Operation Time

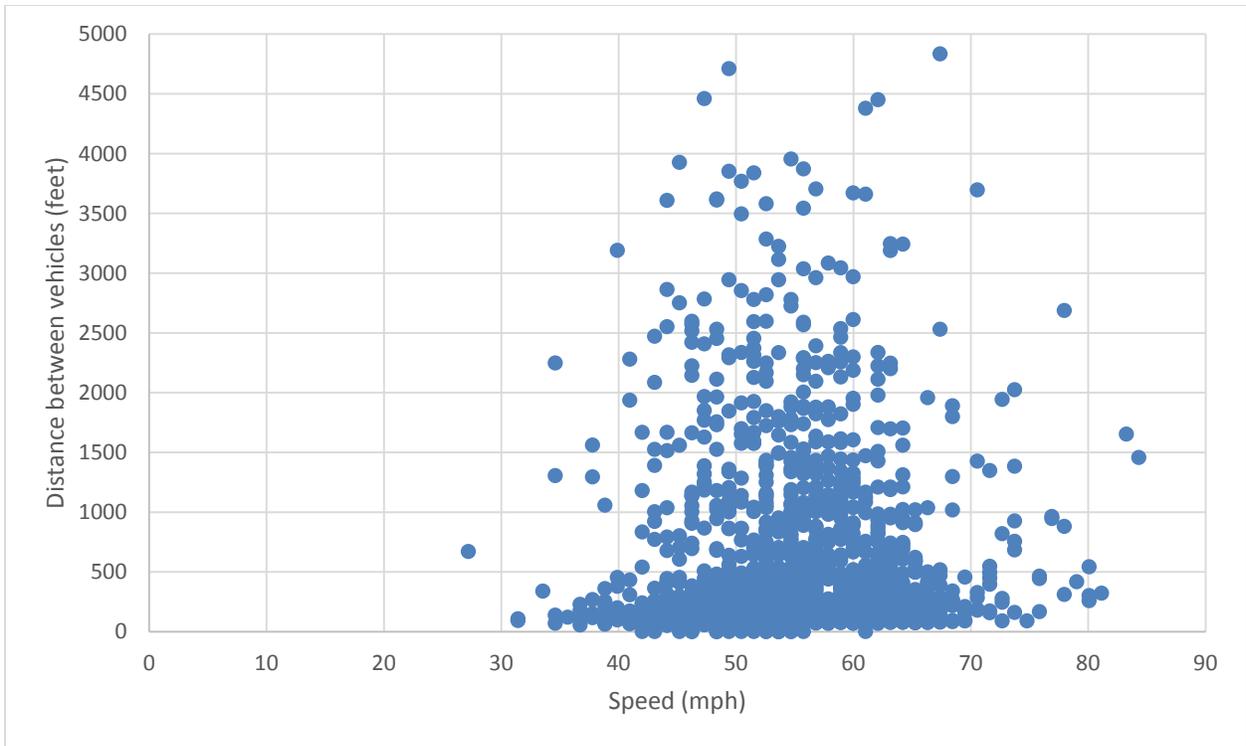


Figure B.68: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, Without RSS (Day 1), Pole 19, Operation Time

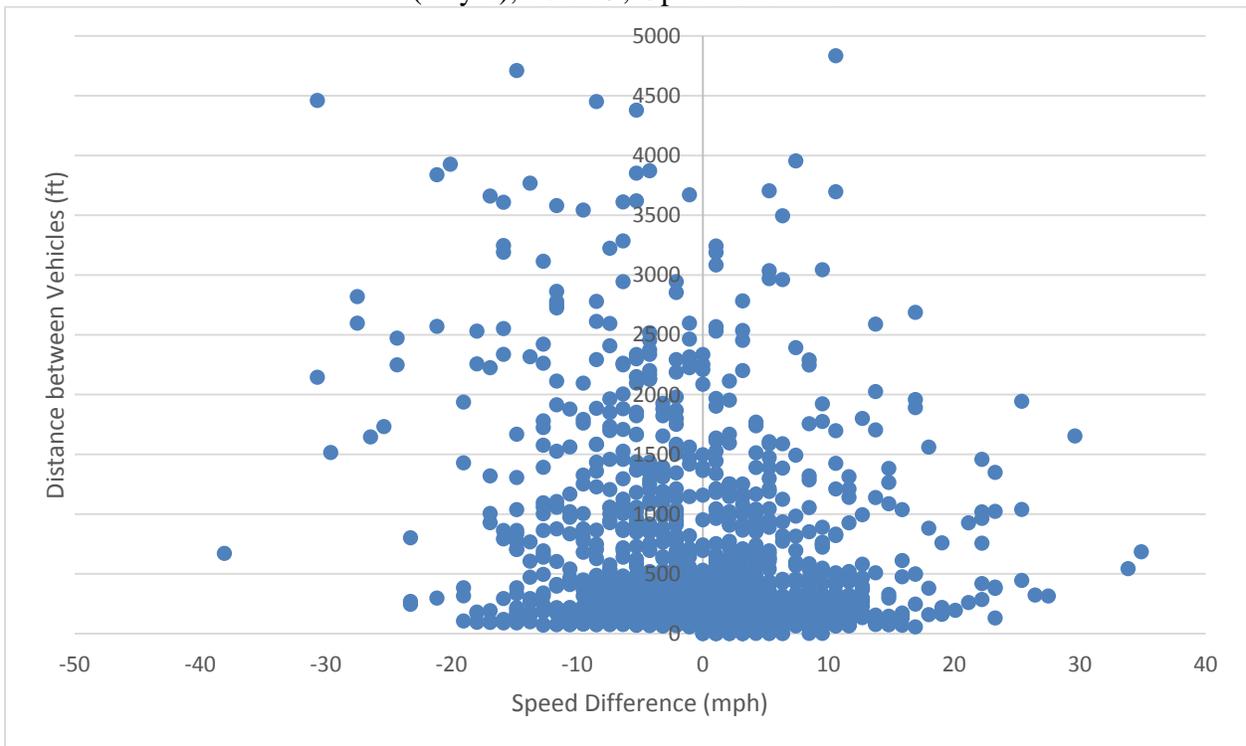


Figure B.69: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, Without RSS (Day 1), Pole 19, Operation Time

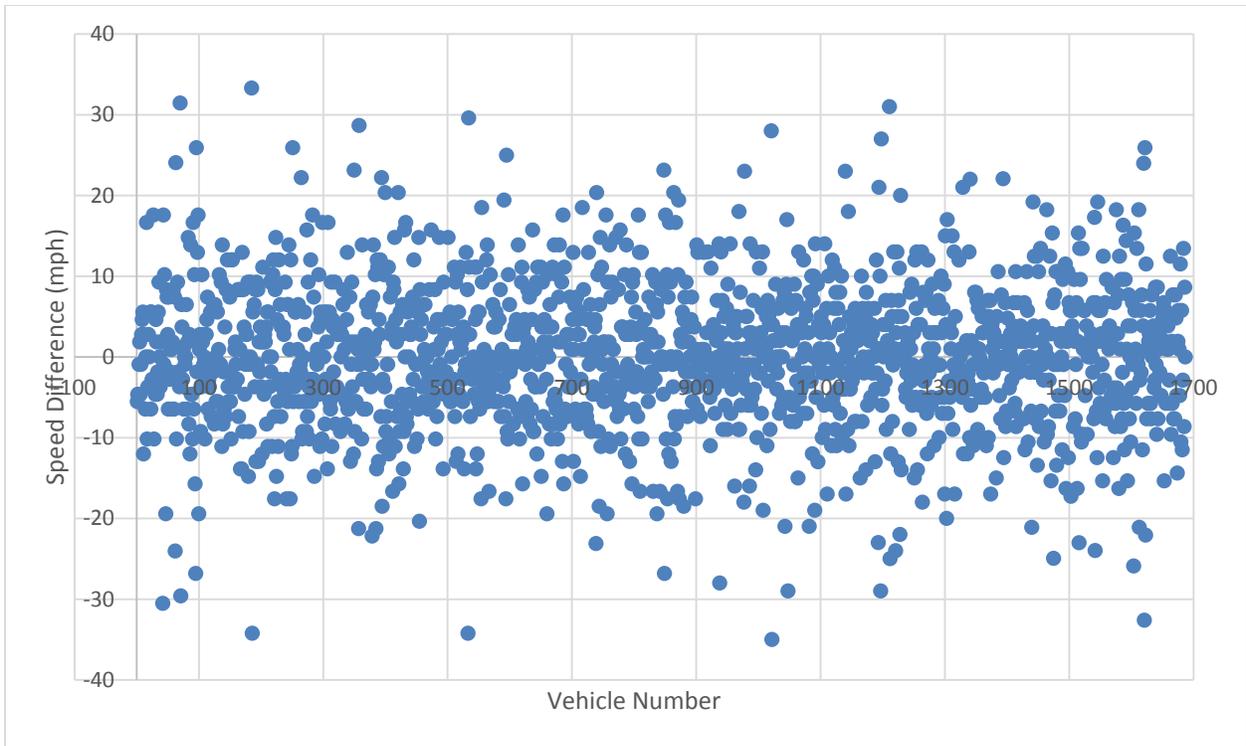


Figure B.70: Speed Difference, I-205, Relamping, With RSS (Day 2), RWA, Operation Time

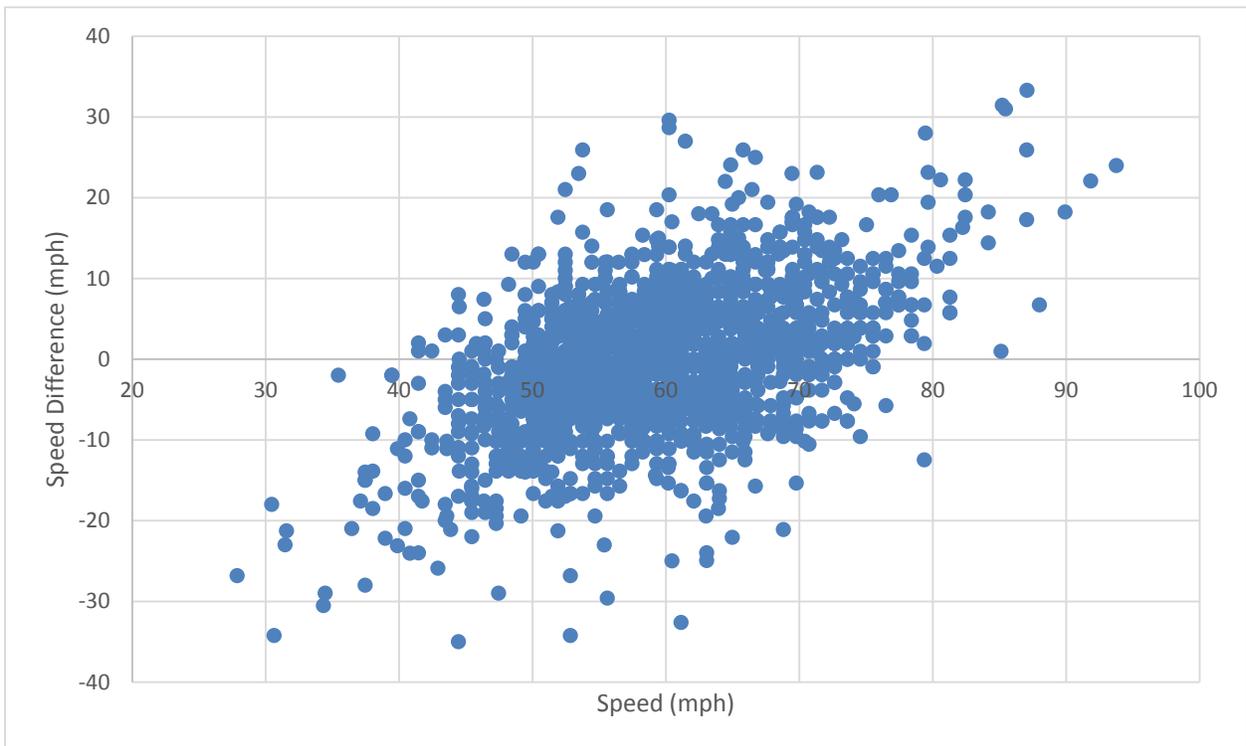


Figure B.71: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), RWA, Operation Time

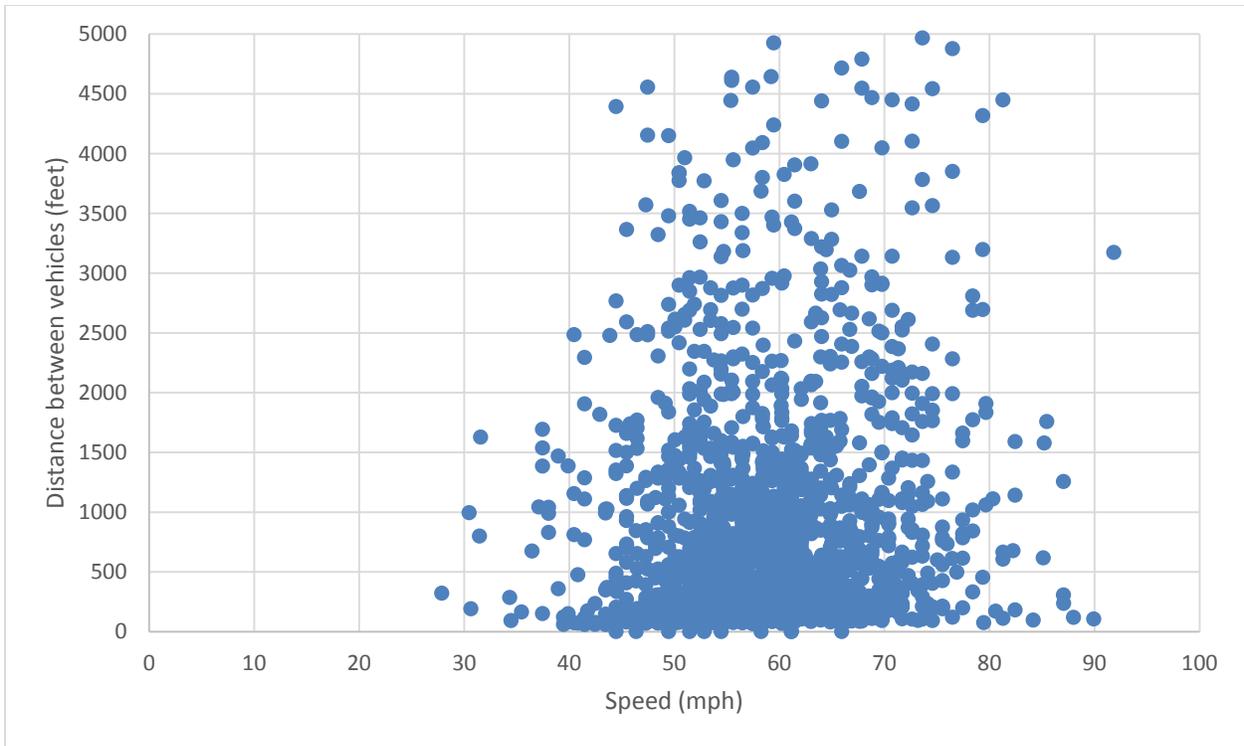


Figure B.72: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), RWA, Operation Time

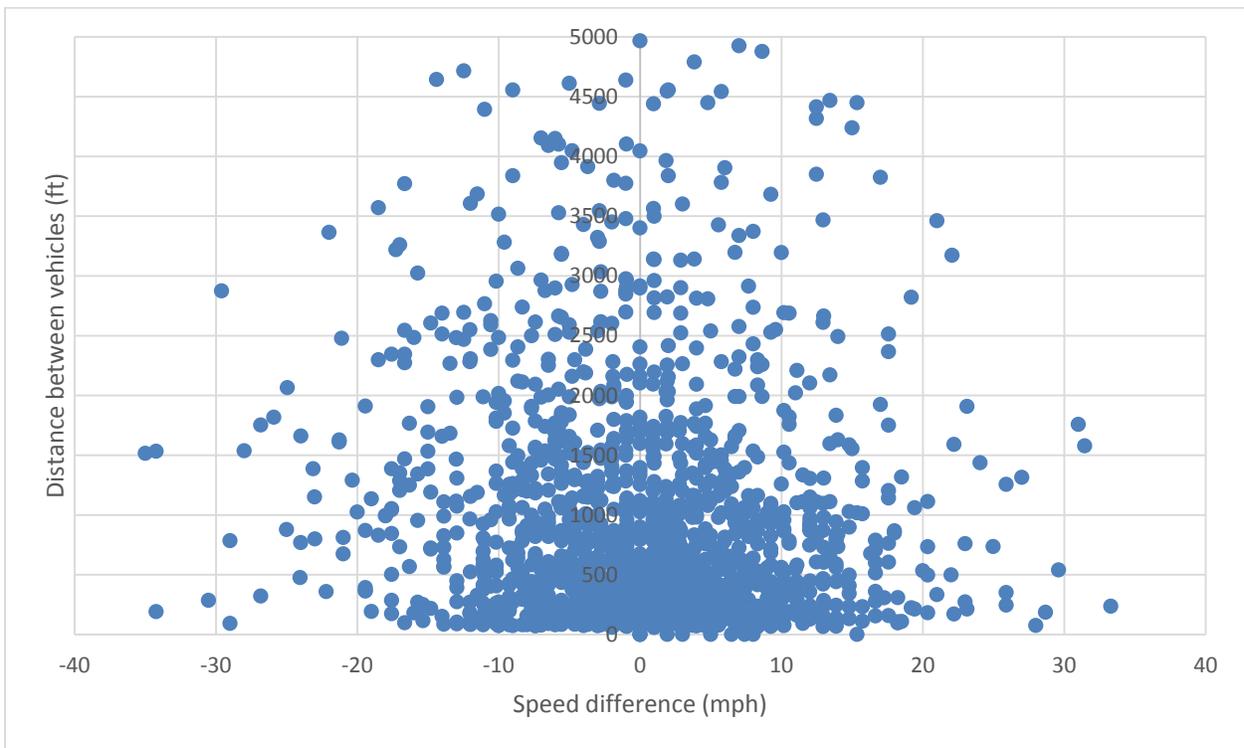


Figure B.73: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), RWA, Operation Time

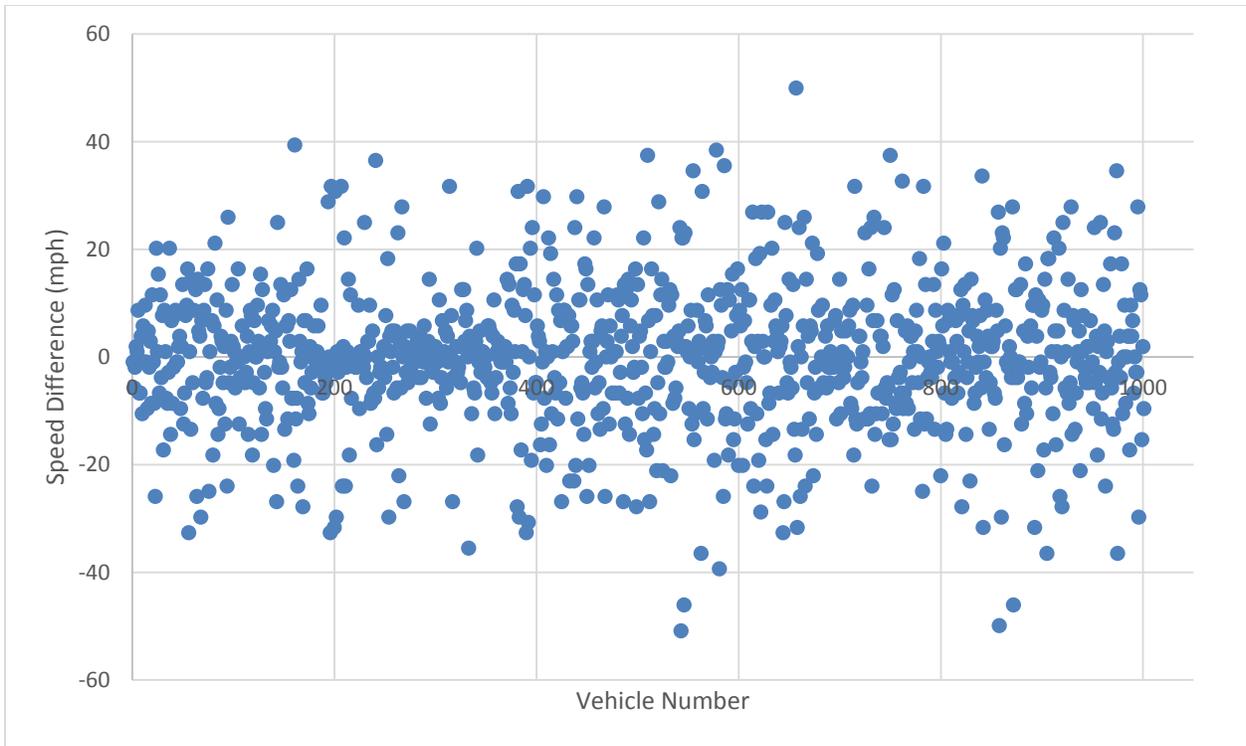


Figure B.74: Speed Difference, I-205, Relamping, With RSS (Day 2), End of Taper, Operation Time

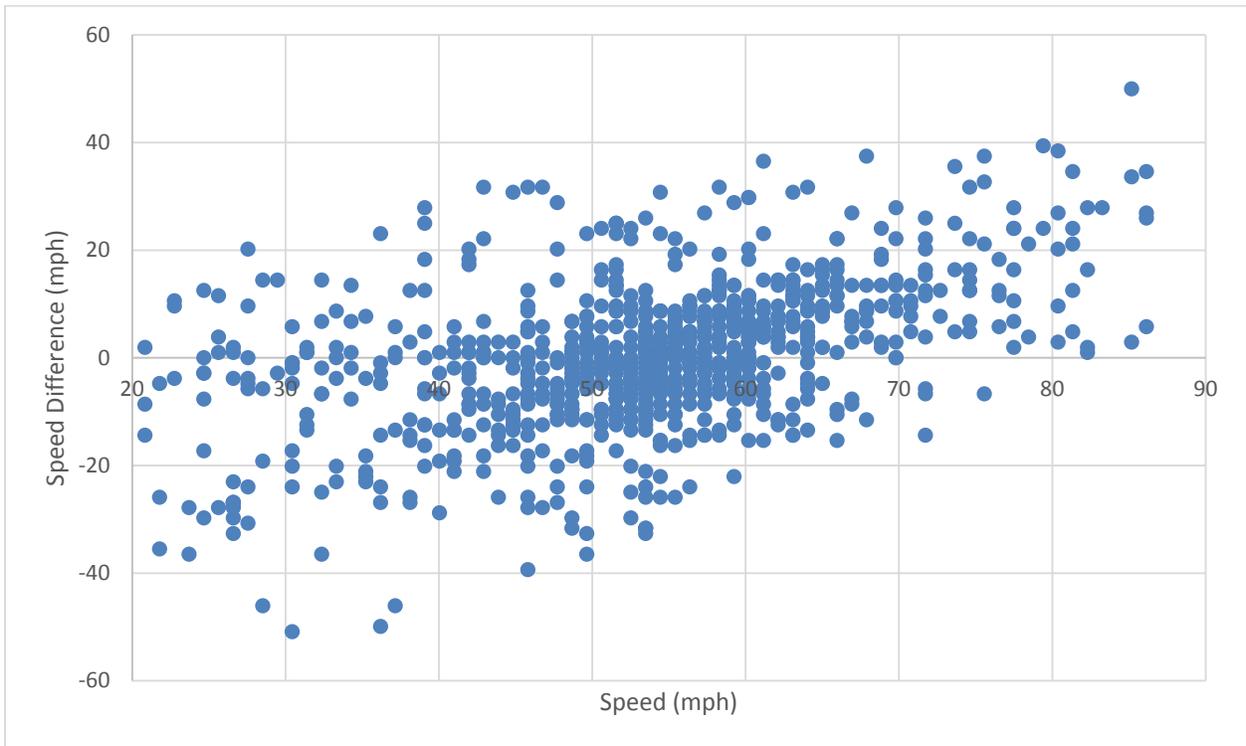


Figure B.75: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), End of Taper, Operation Time

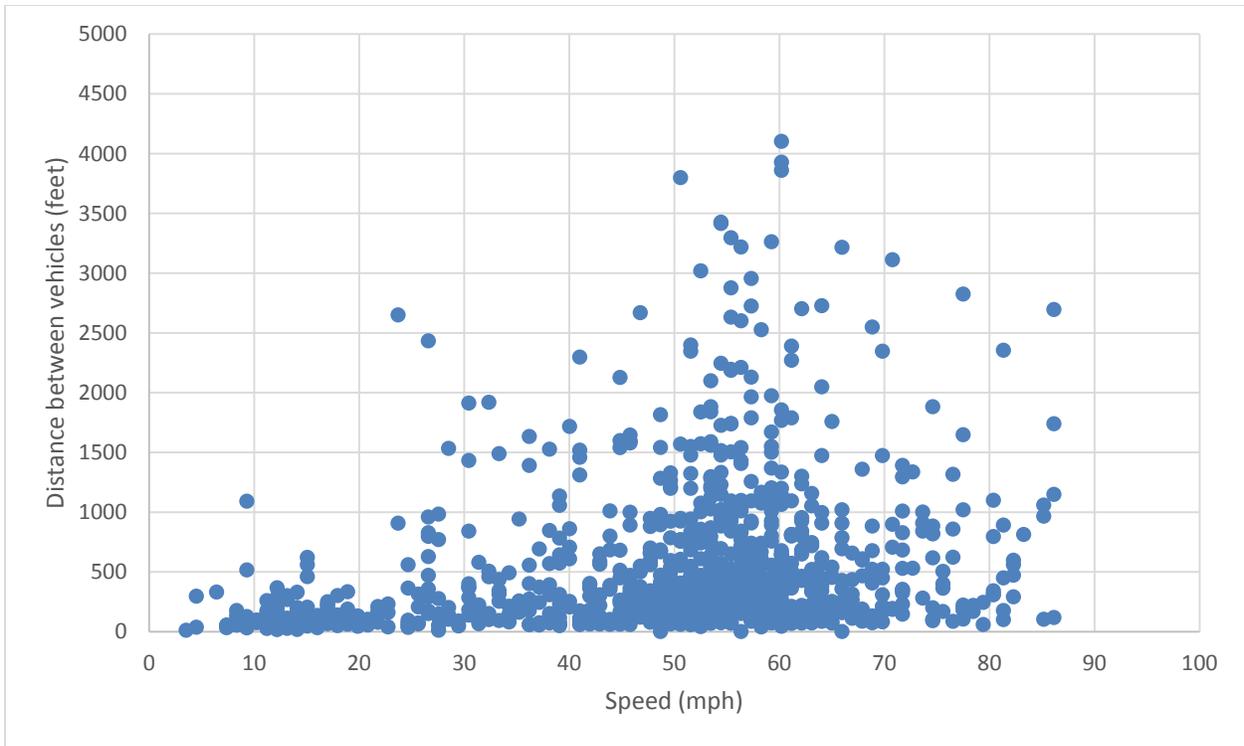


Figure B.76: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), End of Taper, Operation Time

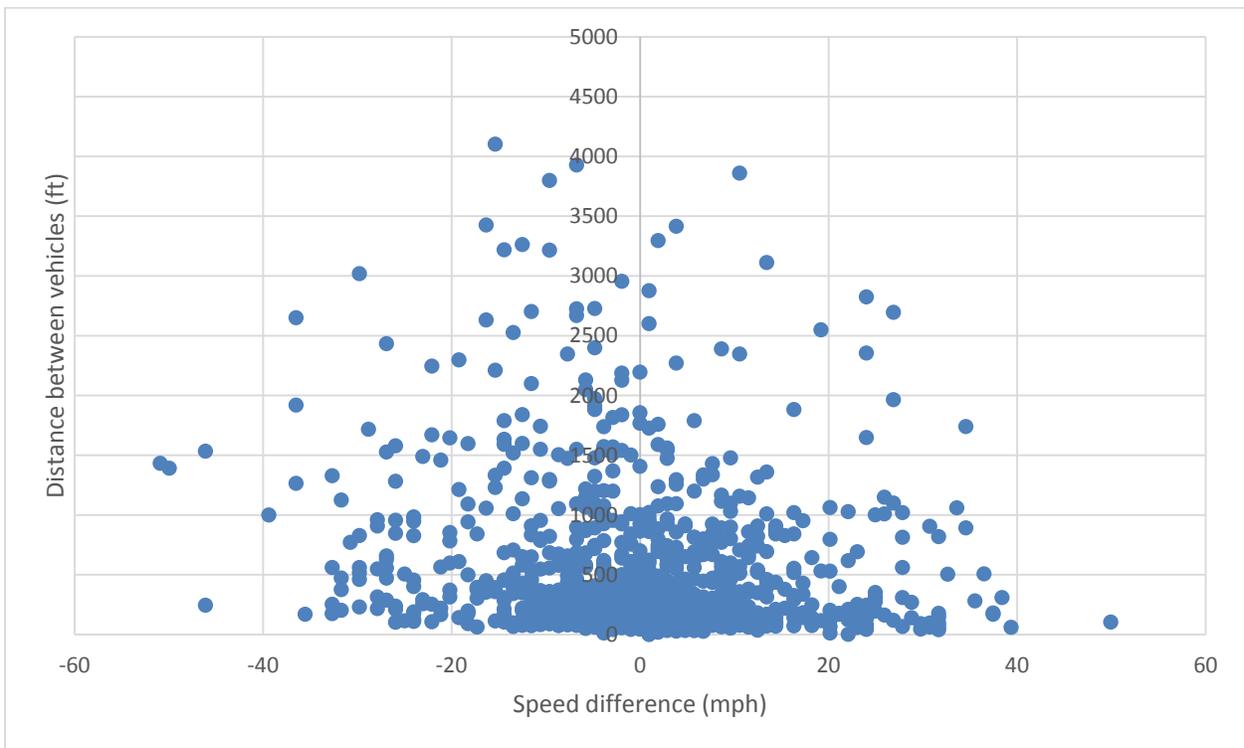


Figure B.77: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), End of Taper, Operation Time

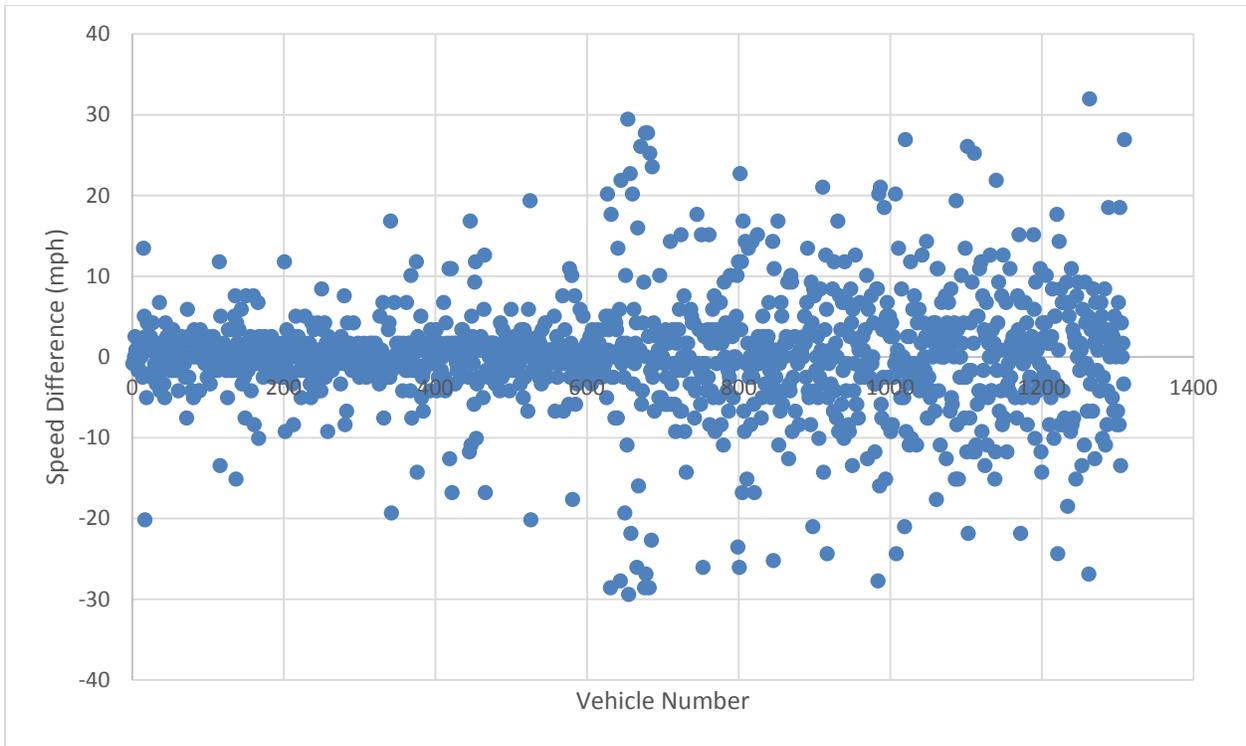


Figure B.78: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 2, Operation Time

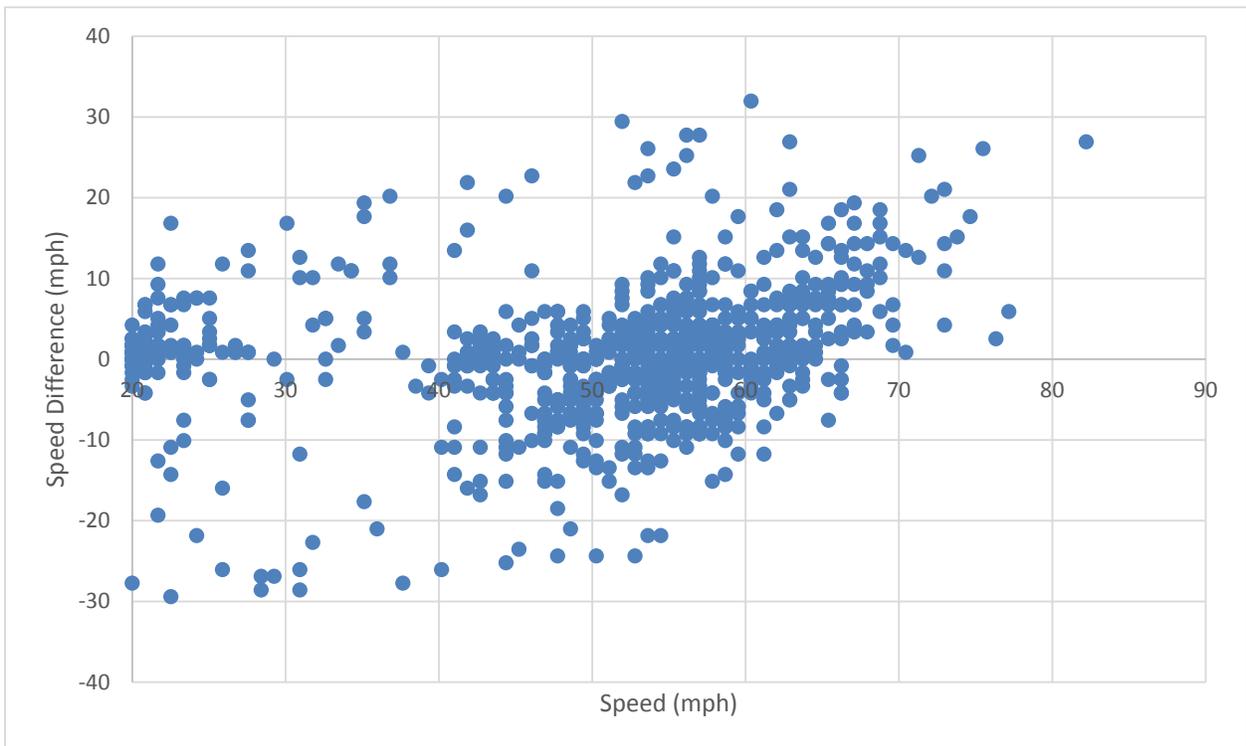


Figure B.79: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 2, Operation Time

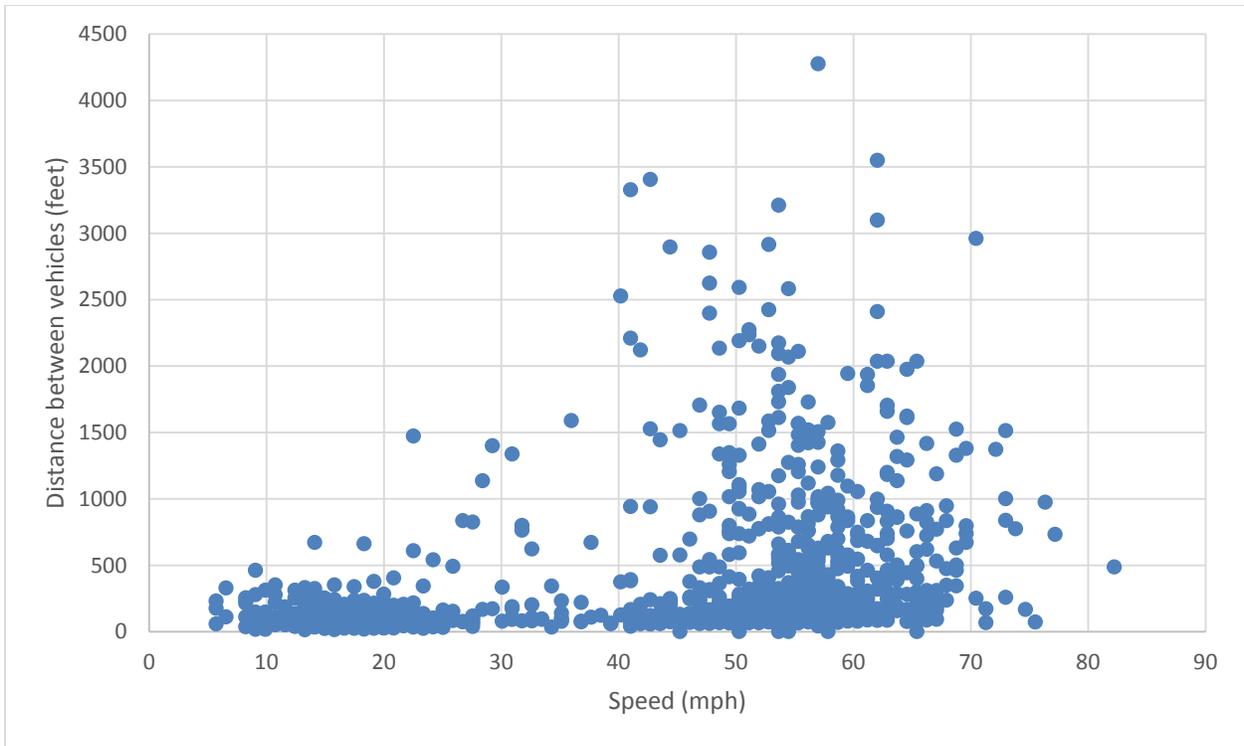


Figure B.80: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 2, Operation Time

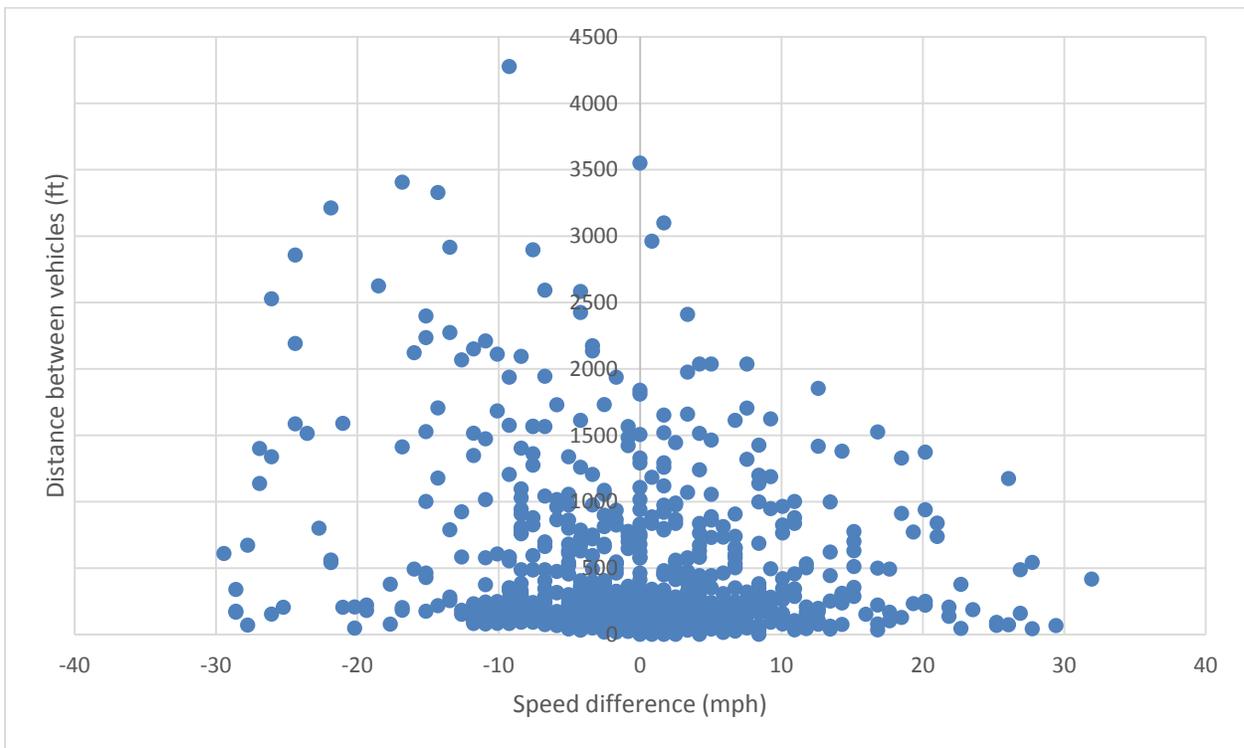


Figure B.81: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 2, Operation Time

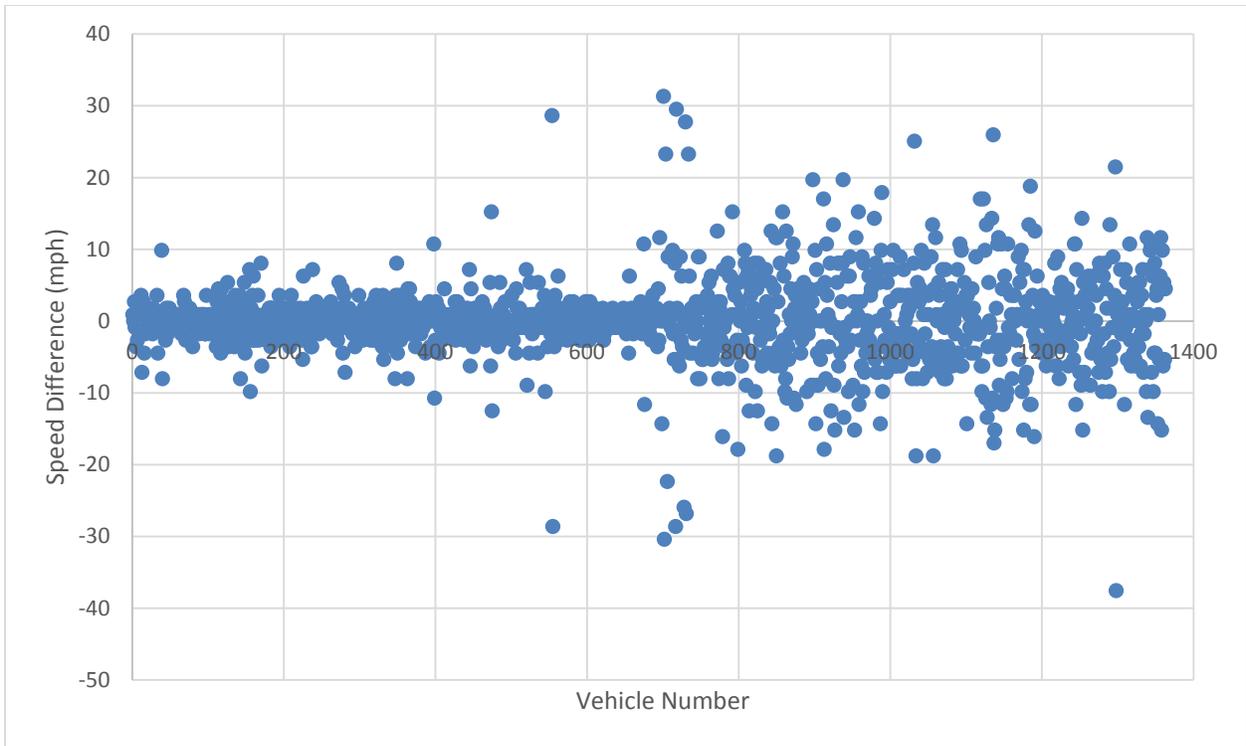


Figure B.82: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 4, Operation Time

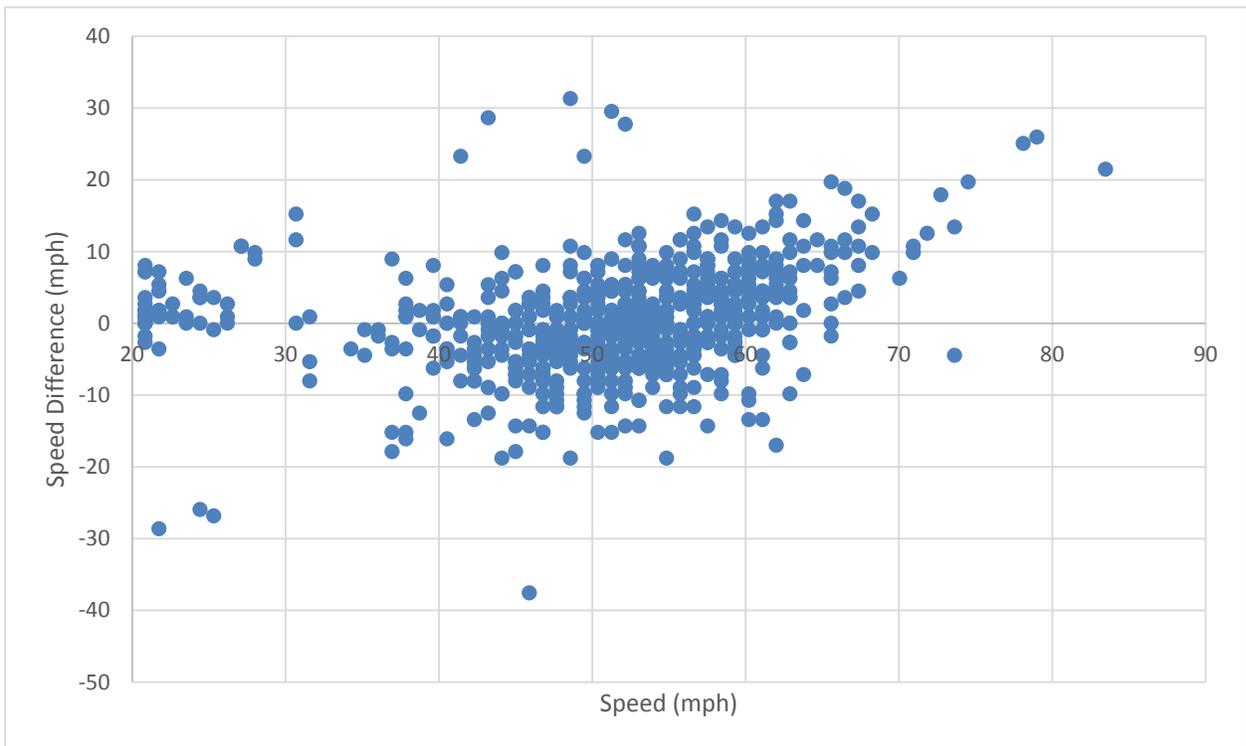


Figure B.83: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 4, Operation Time

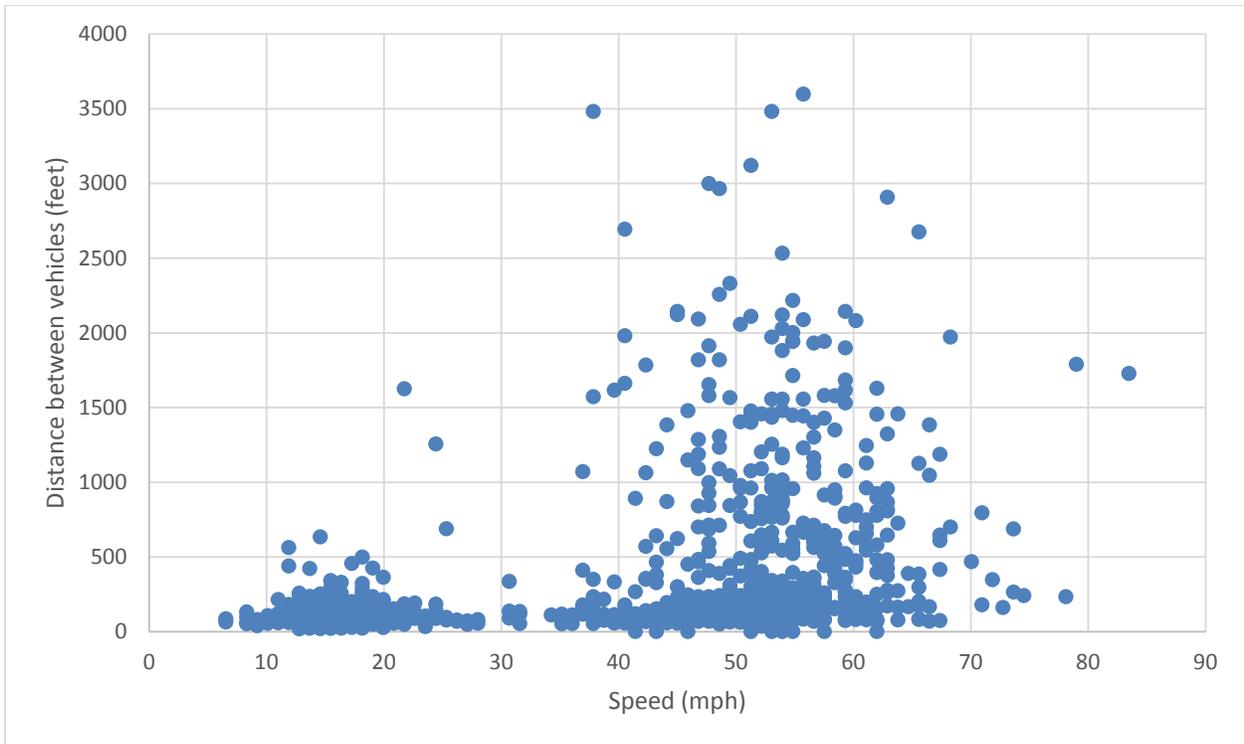


Figure B.84: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 4, Operation Time

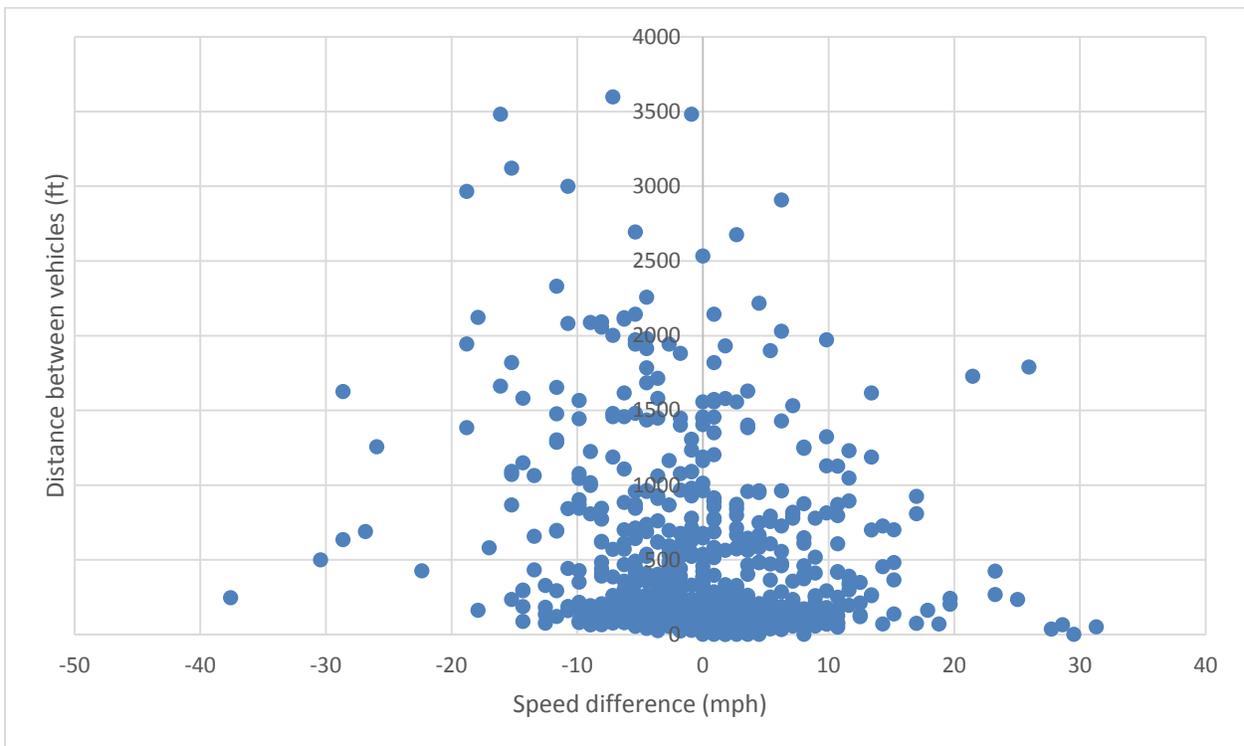


Figure B.85: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 4, Operation Time

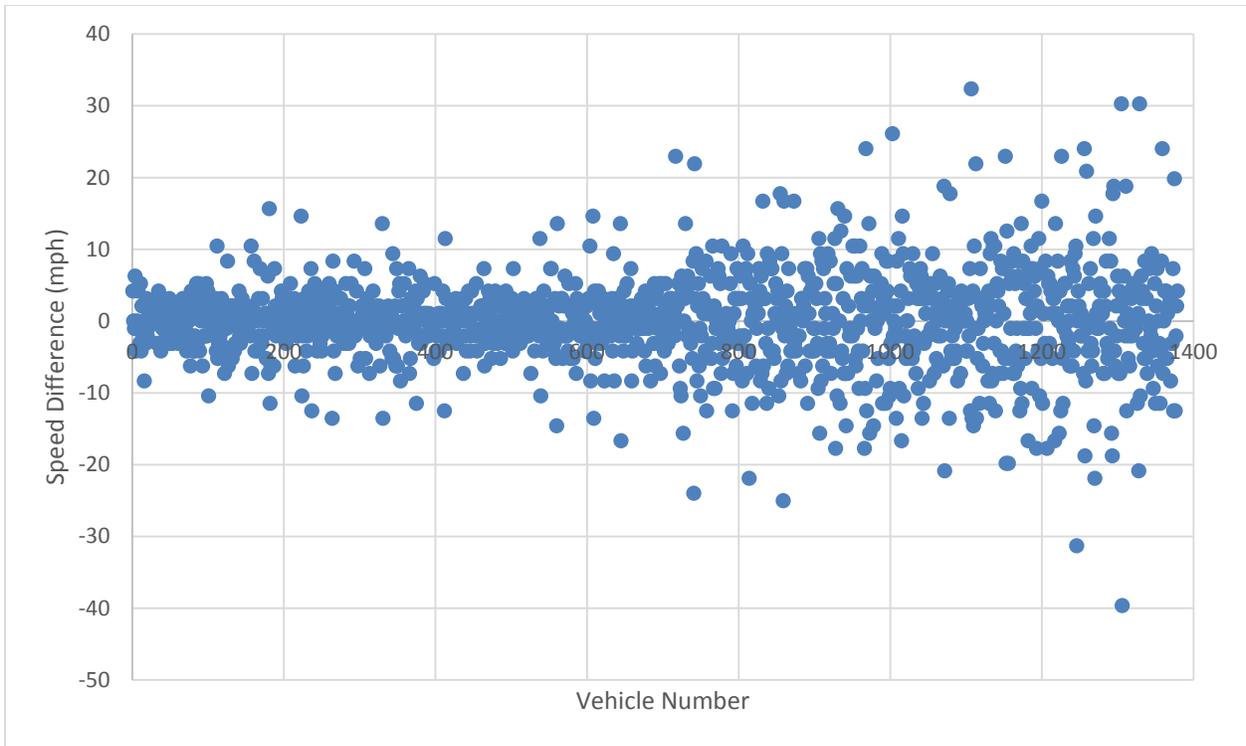


Figure B.86: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 6, Operation Time

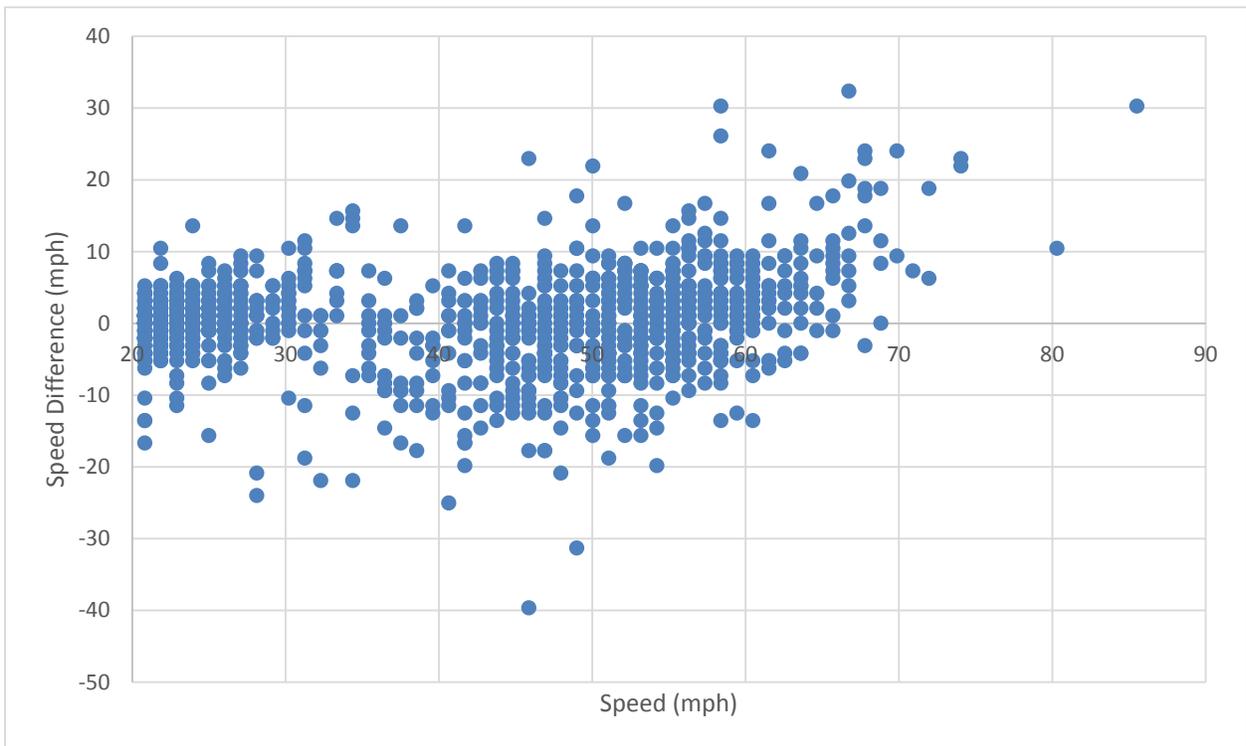


Figure B.87: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 6, Operation Time

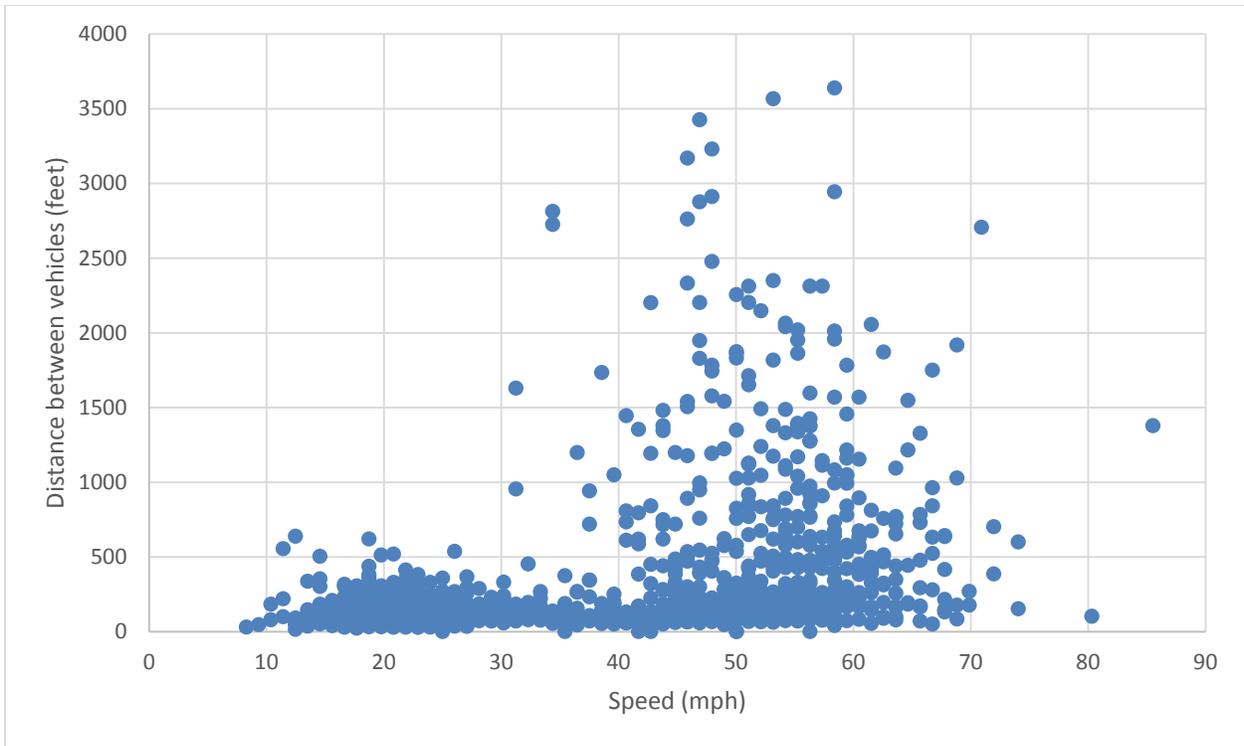


Figure B.88: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 6, Operation Time

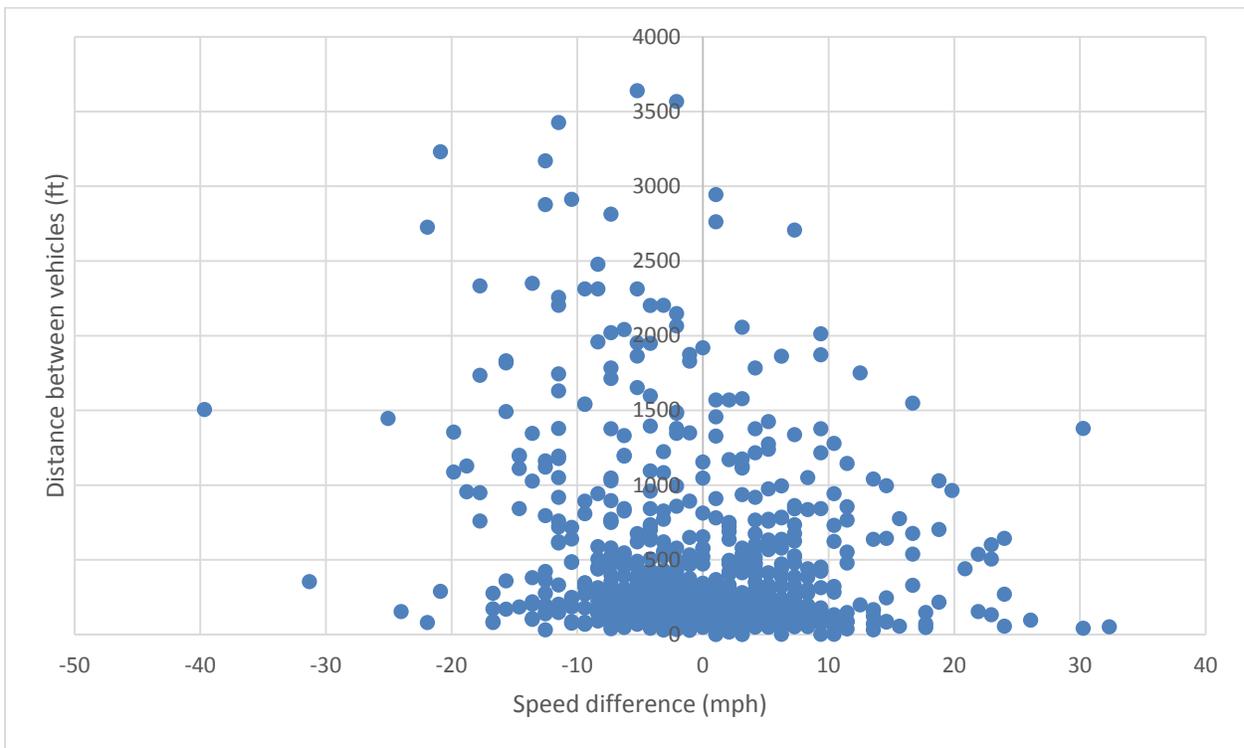


Figure B.89: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 6, Operation Time

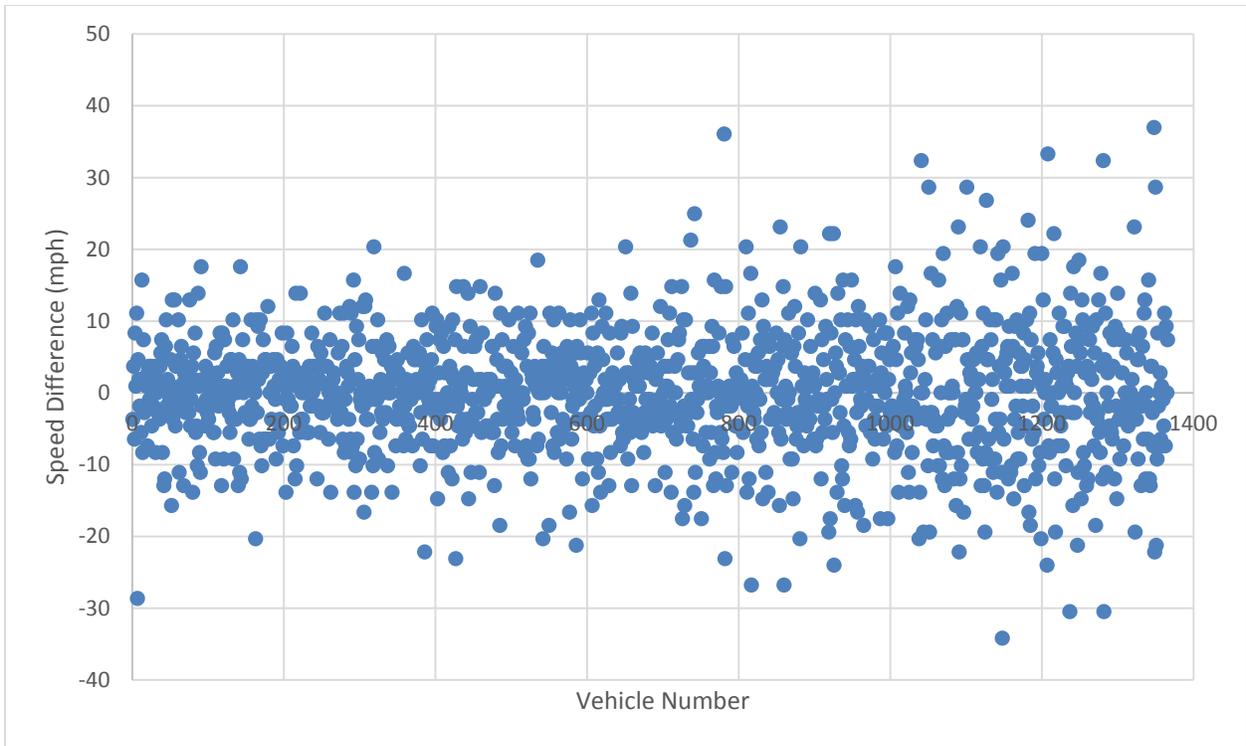


Figure B.90: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 8, Operation Time

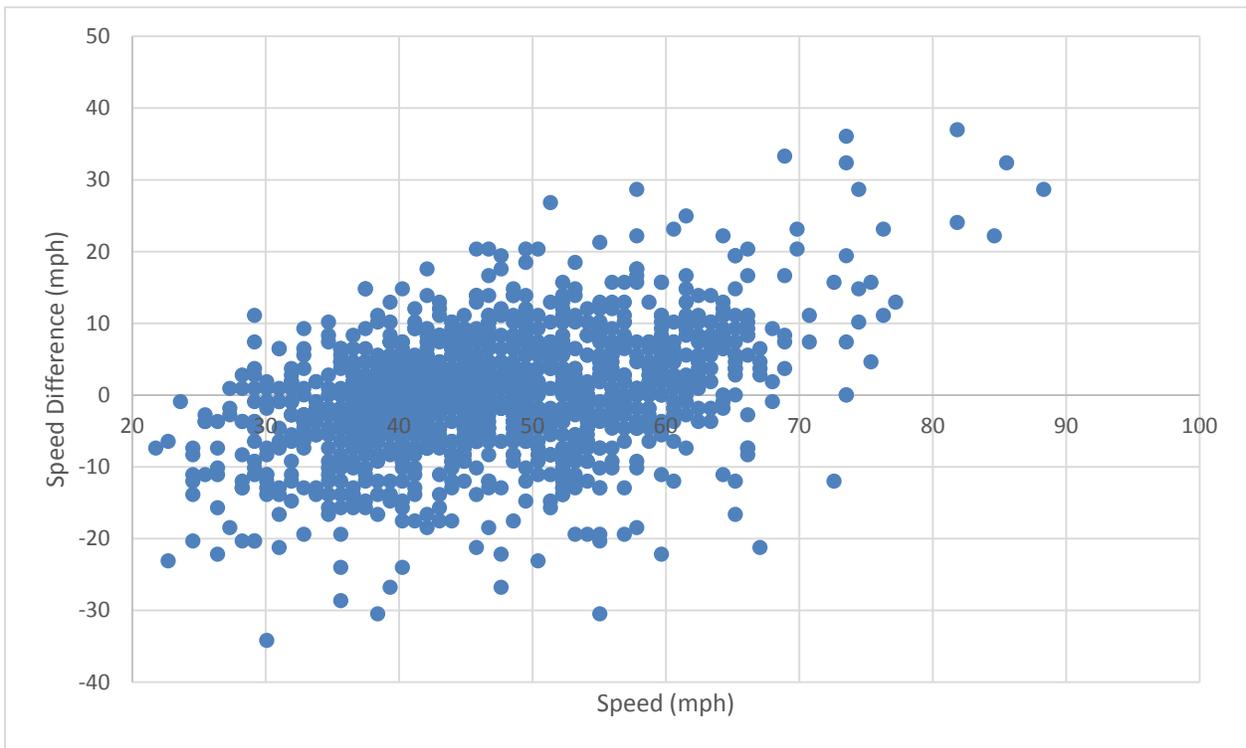


Figure B.91: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 8, Operation Time

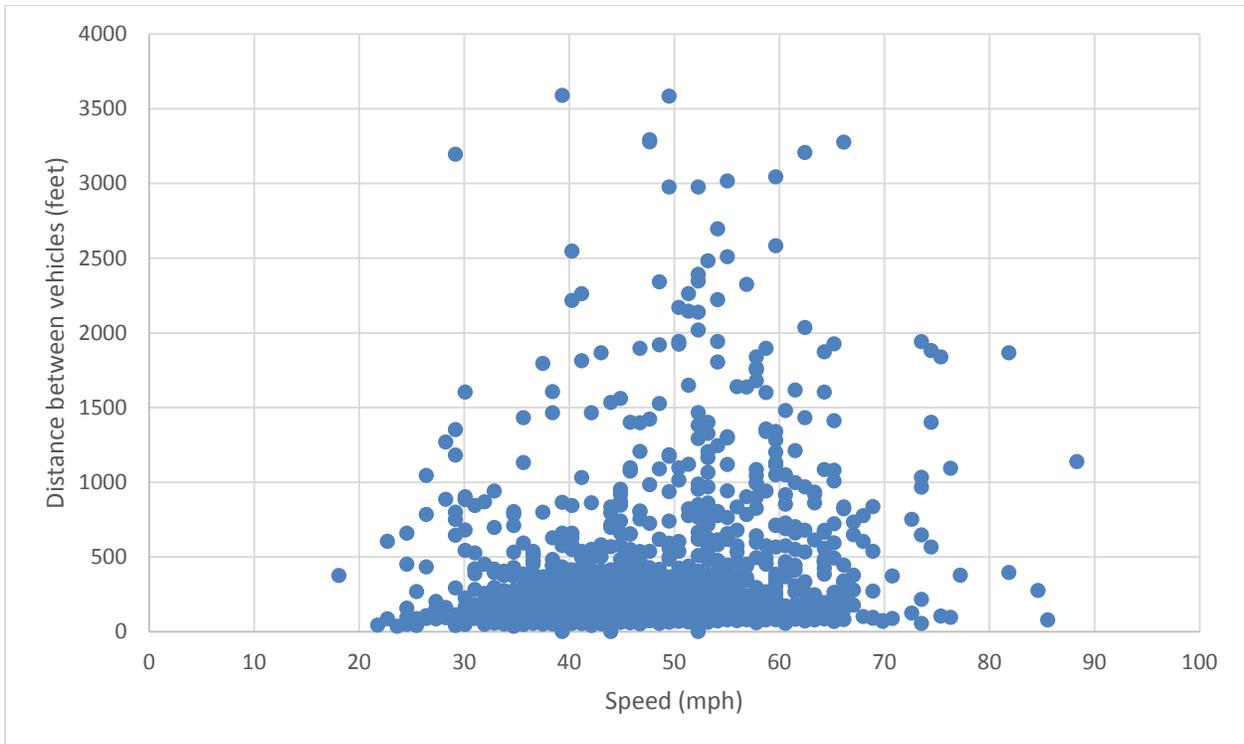


Figure B.92: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 8, Operation Time

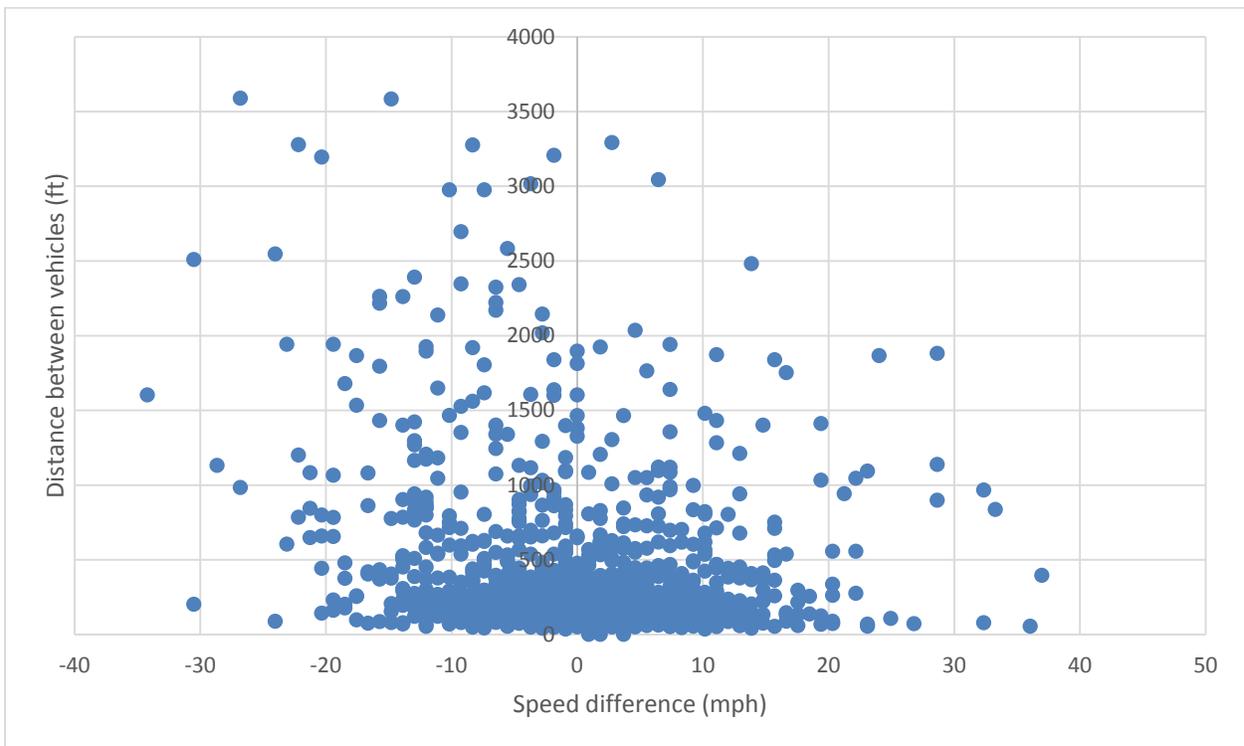


Figure B.93: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 8, Operation Time

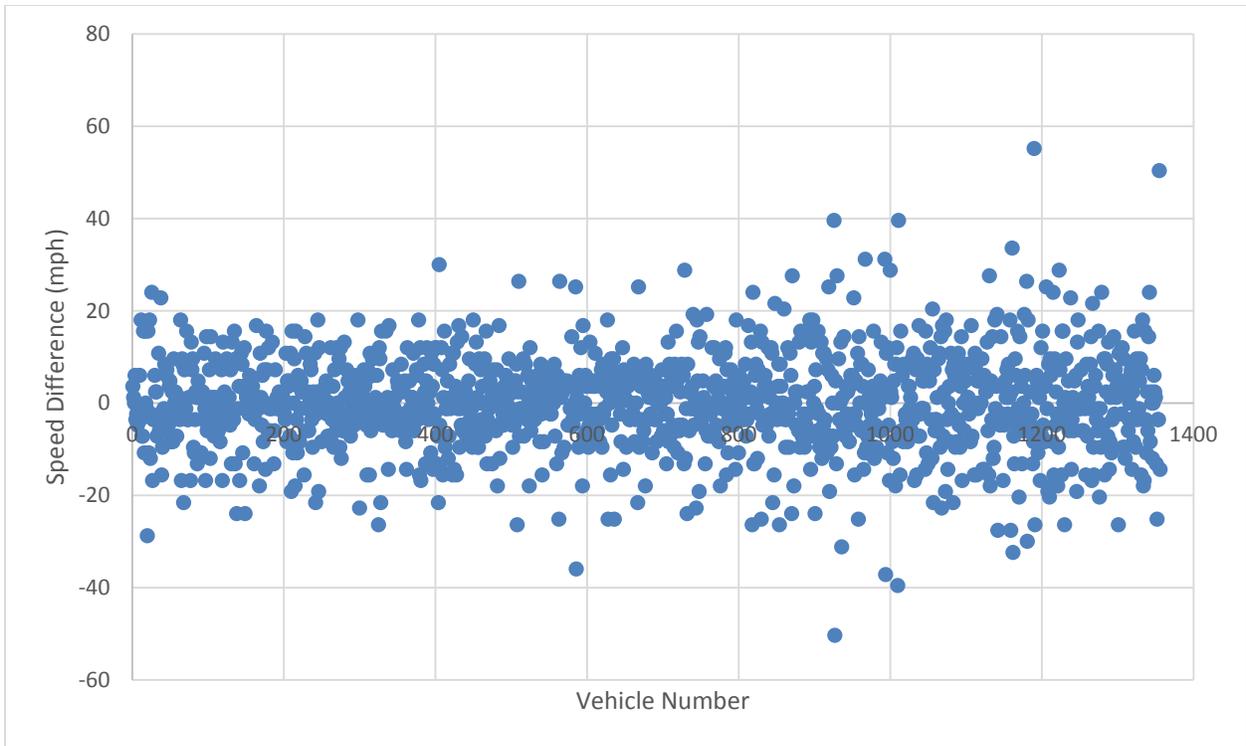


Figure B.94: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 10, Operation Time

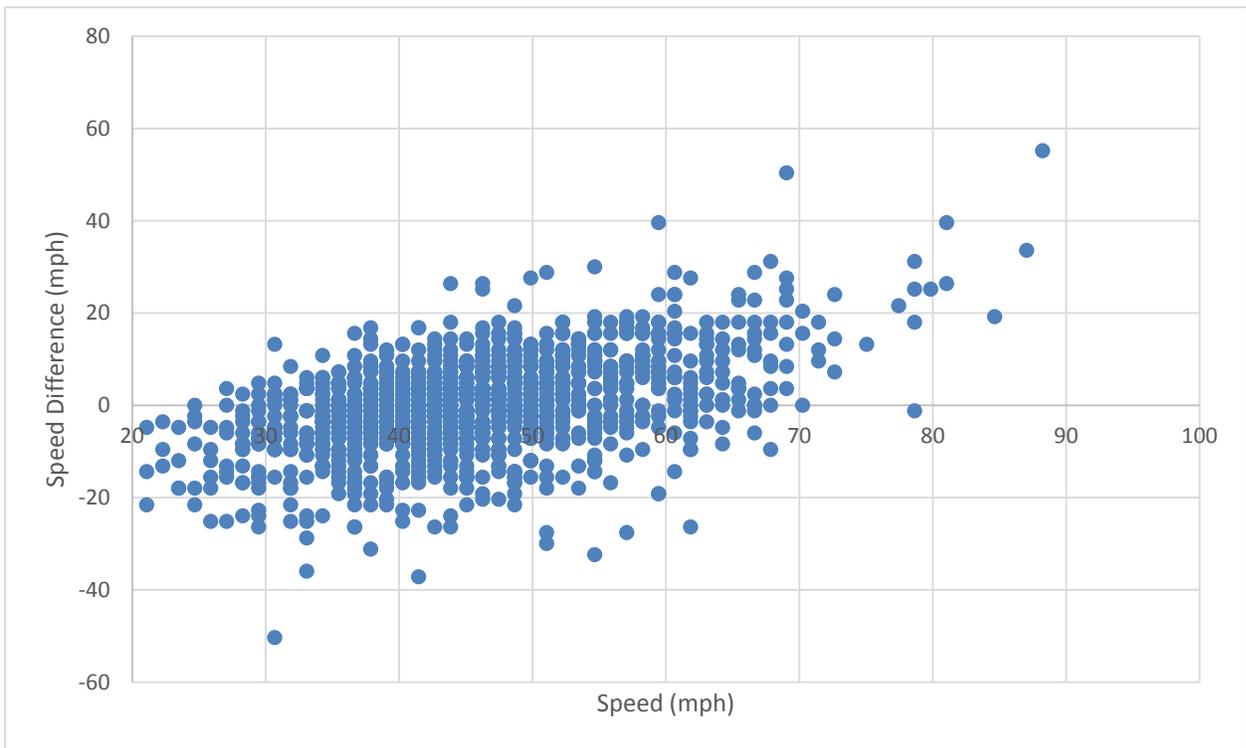


Figure B.95: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 10, Operation Time

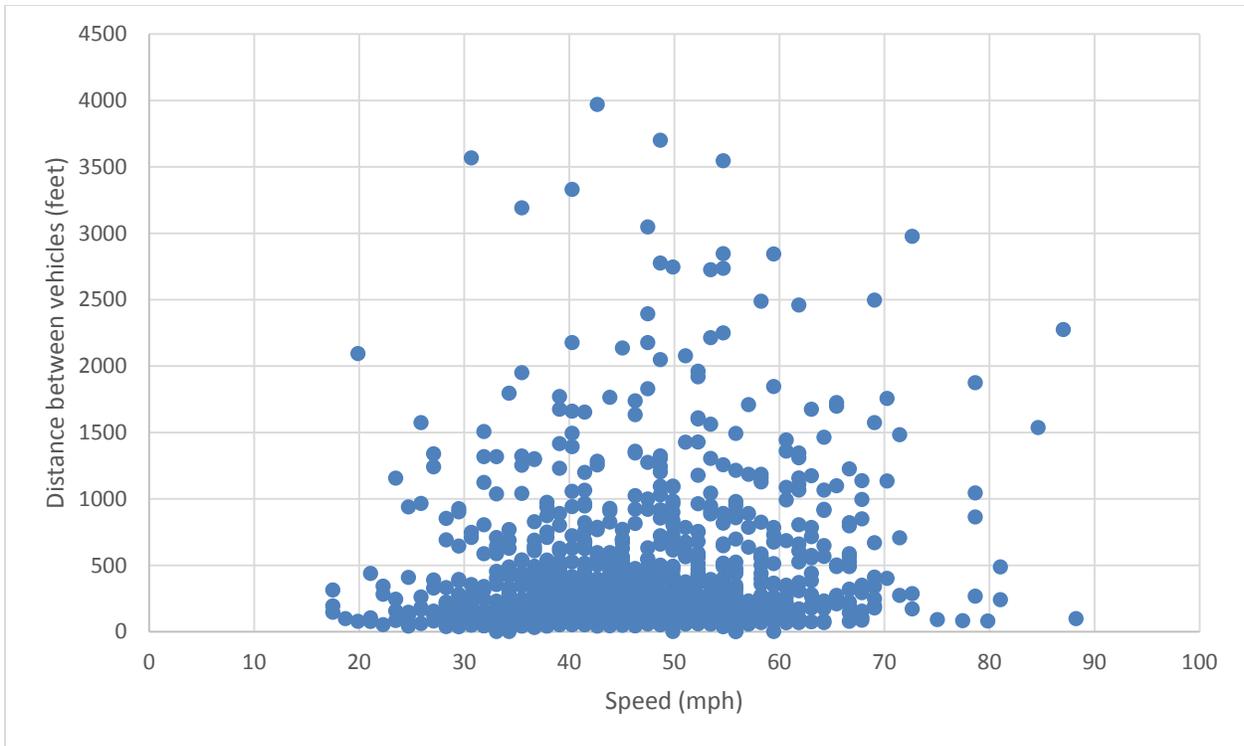


Figure B.96: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 10, Operation Time

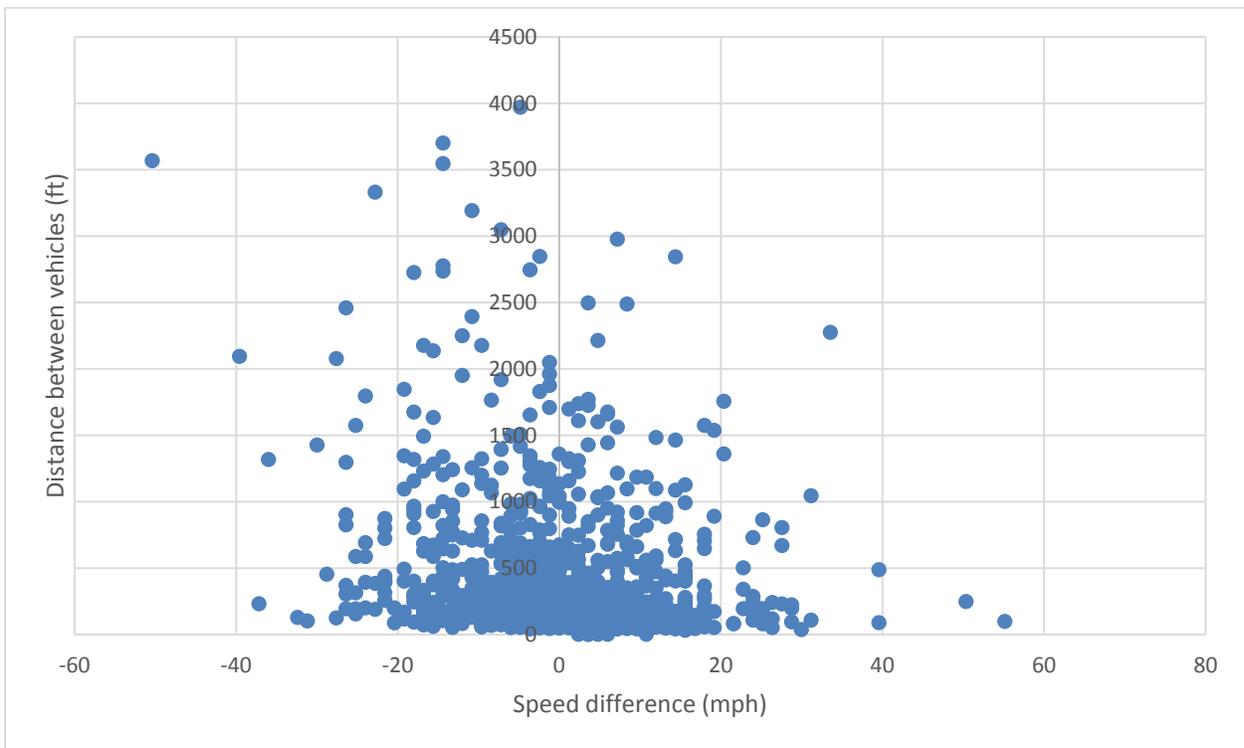


Figure B.97: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 10, Operation Time

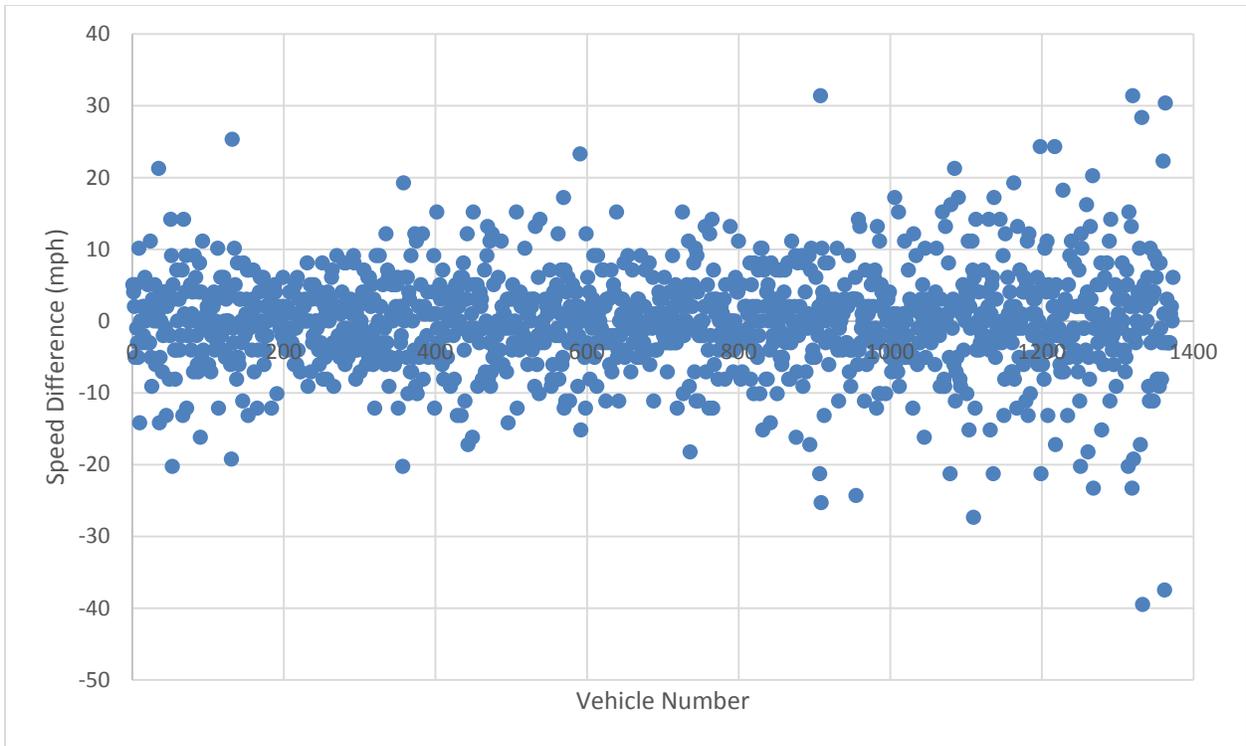


Figure B.98: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 12, Operation Time

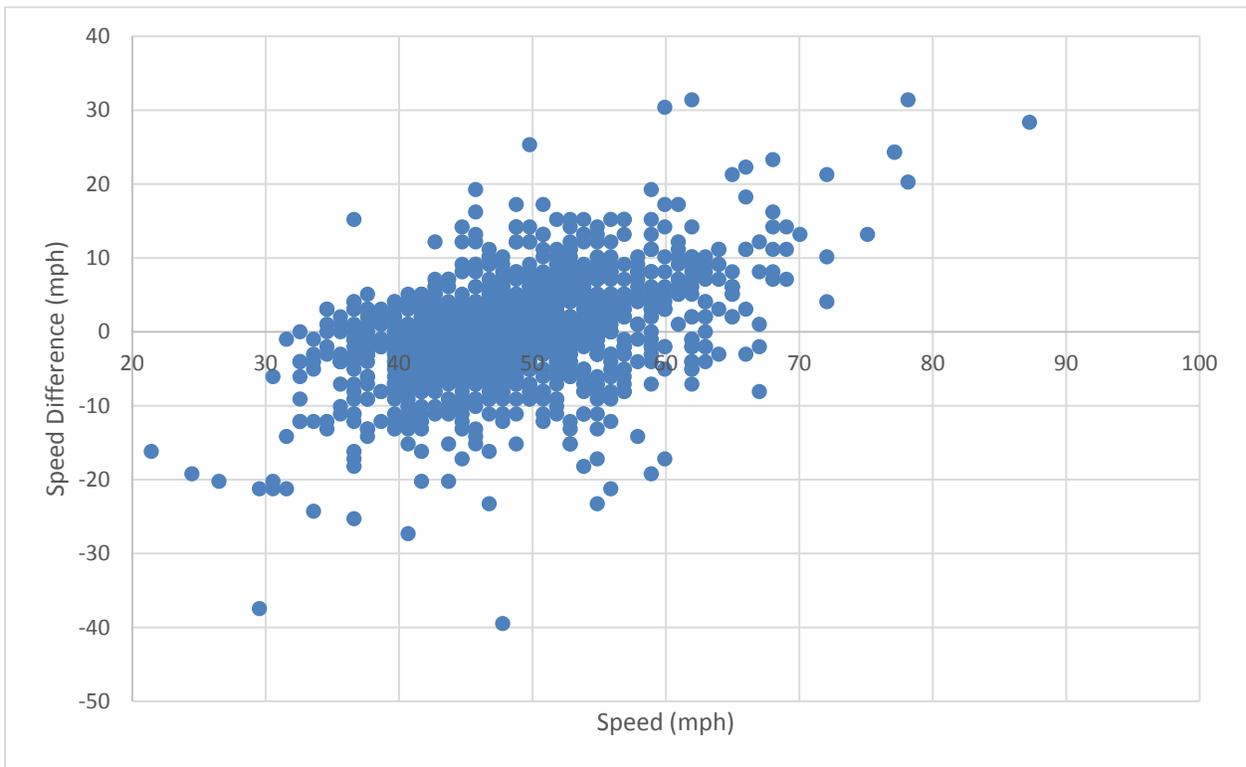


Figure B.99: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 12, Operation Time

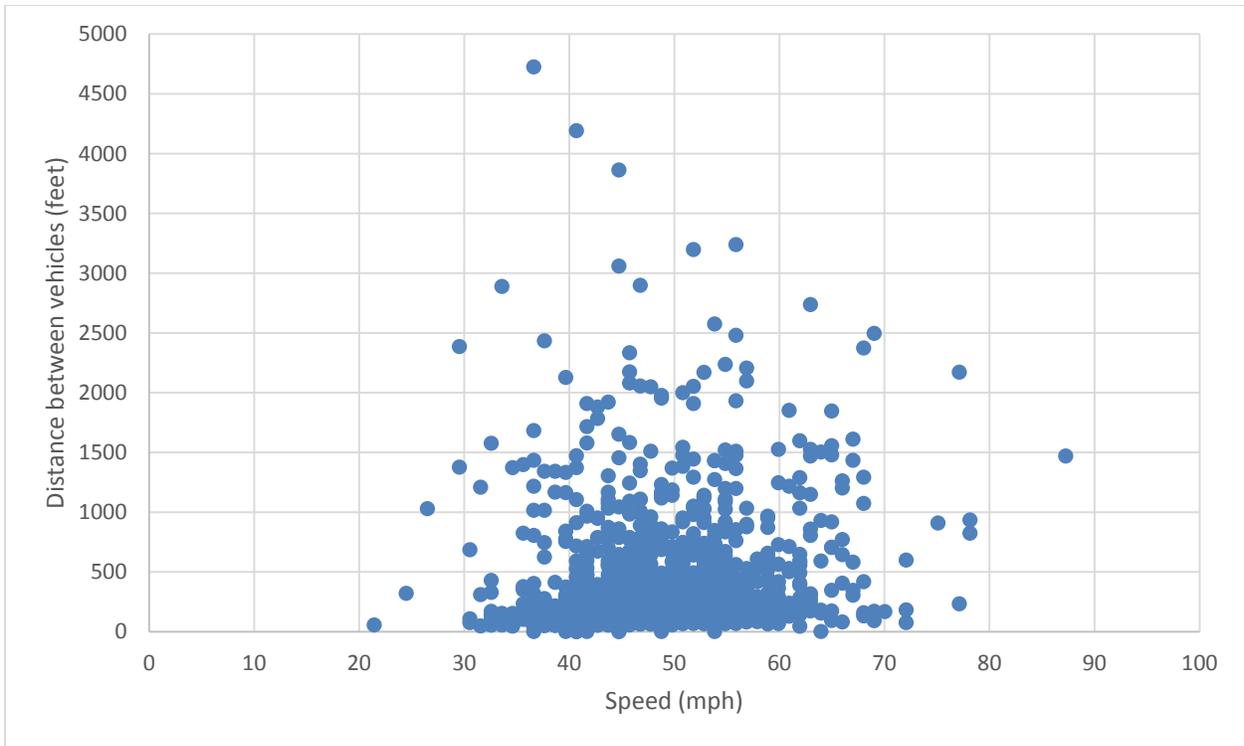


Figure B.100: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 12, Operation Time

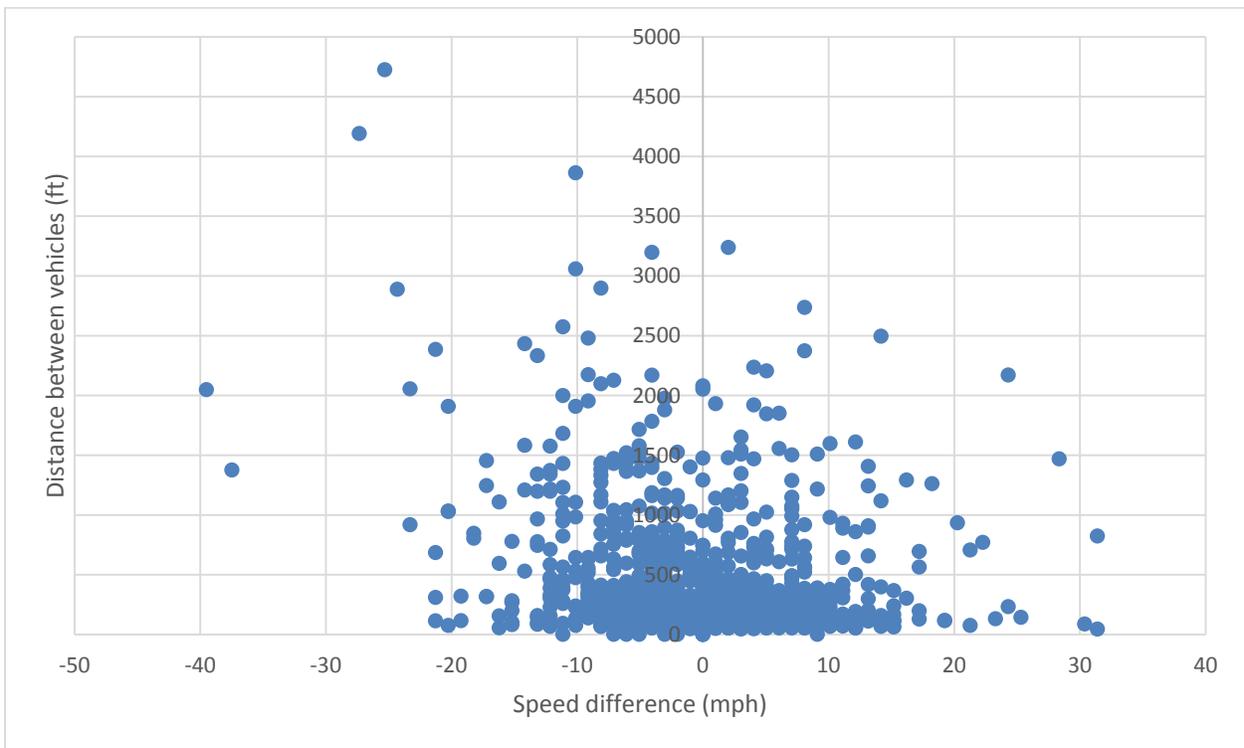


Figure B.101: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 12, Operation Time

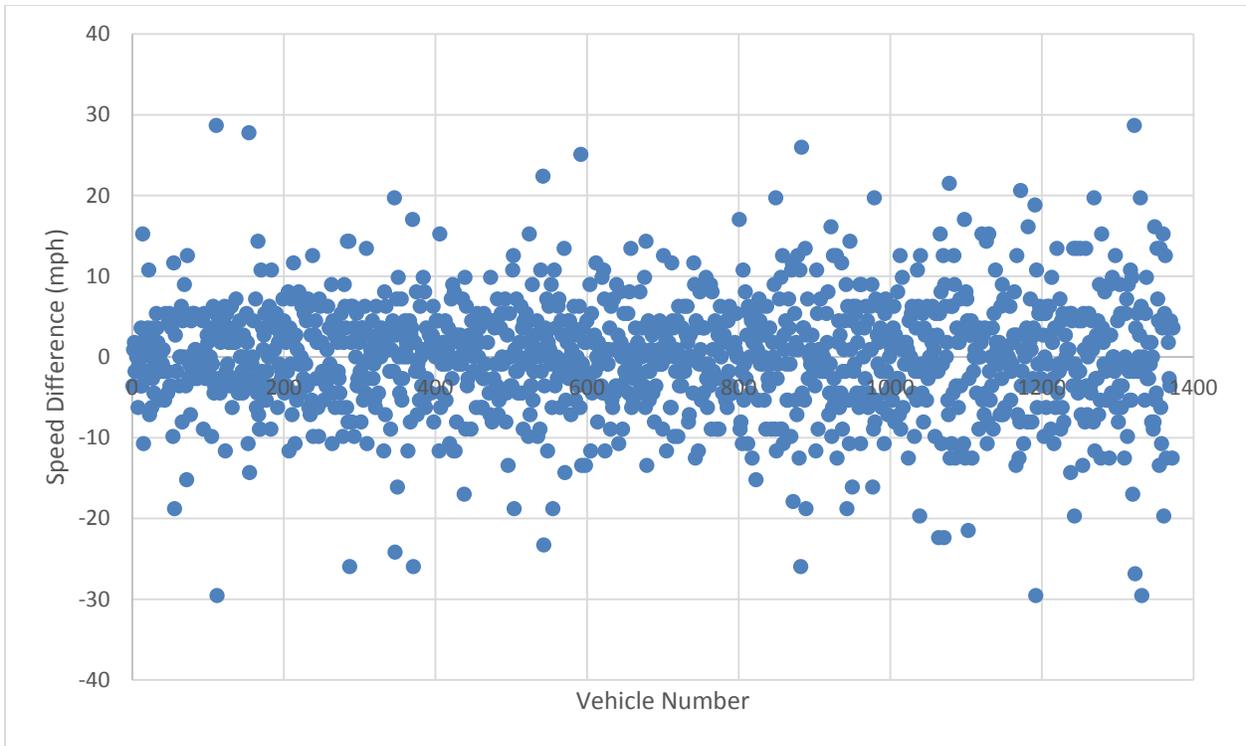


Figure B.102: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 14, Operation Time

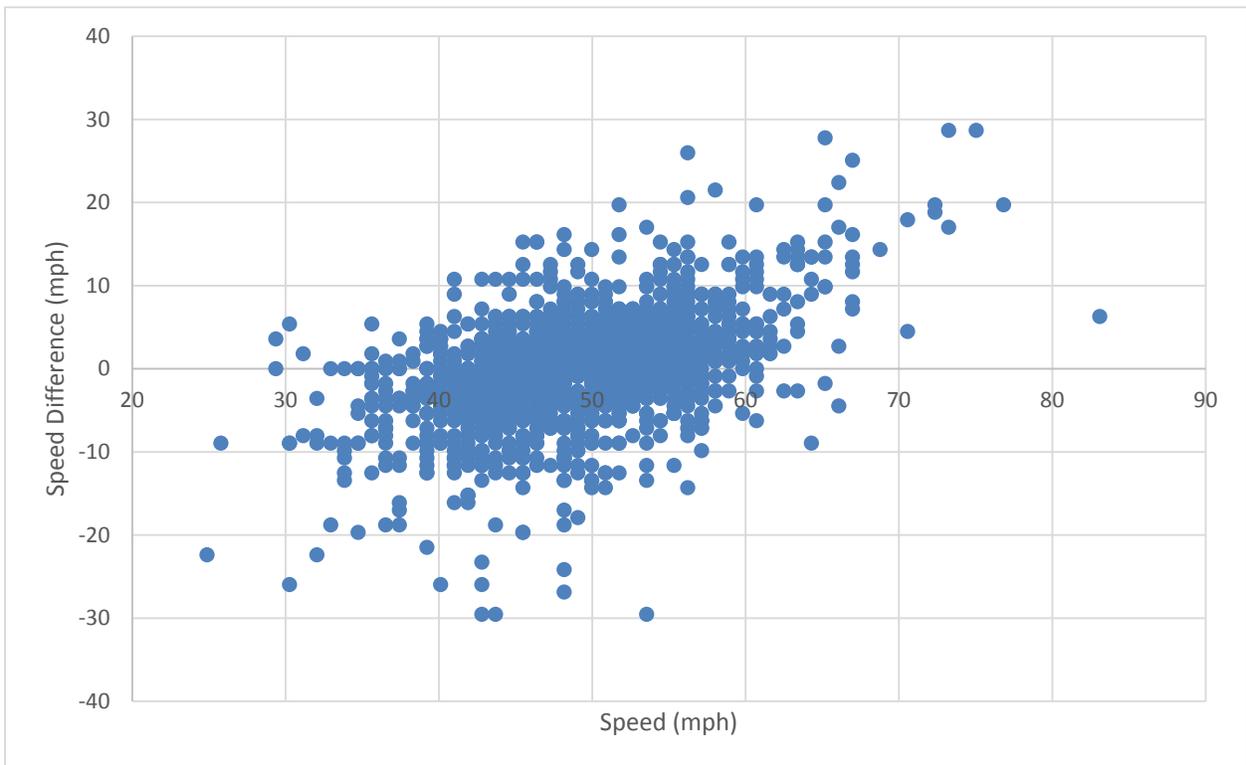


Figure B.103: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 14, Operation Time

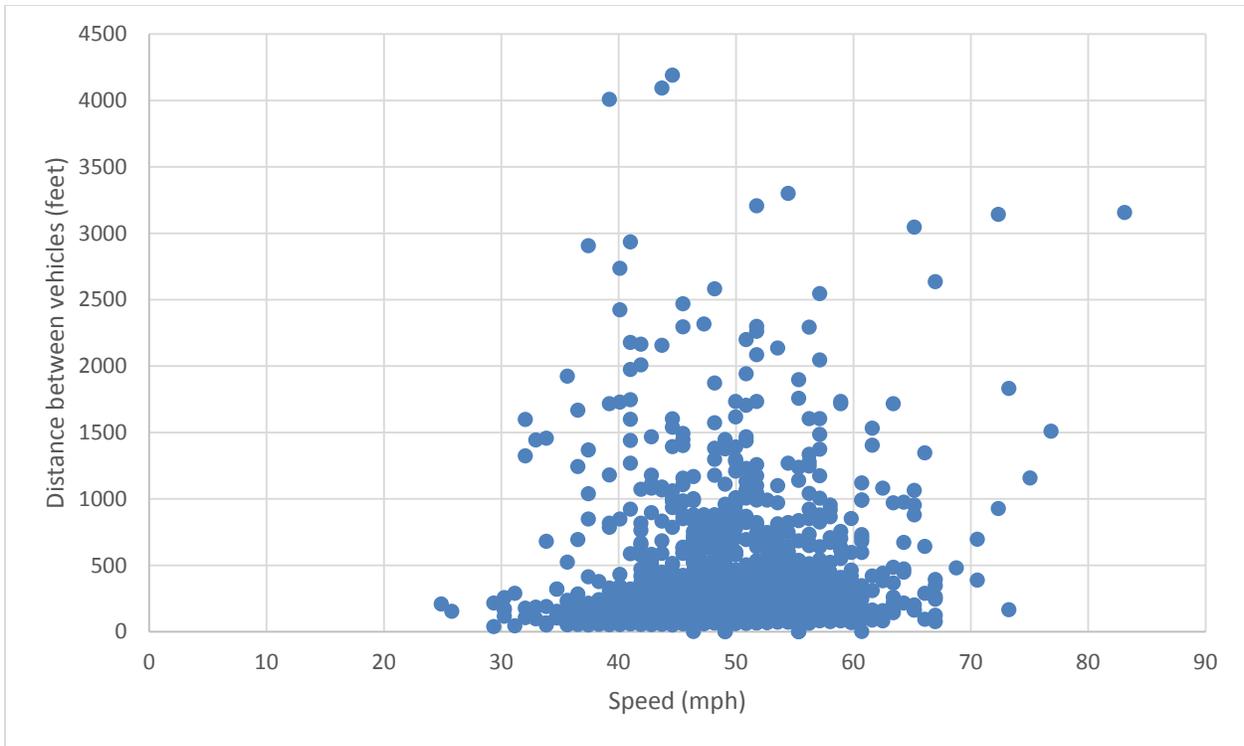


Figure B.104: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 14, Operation Time

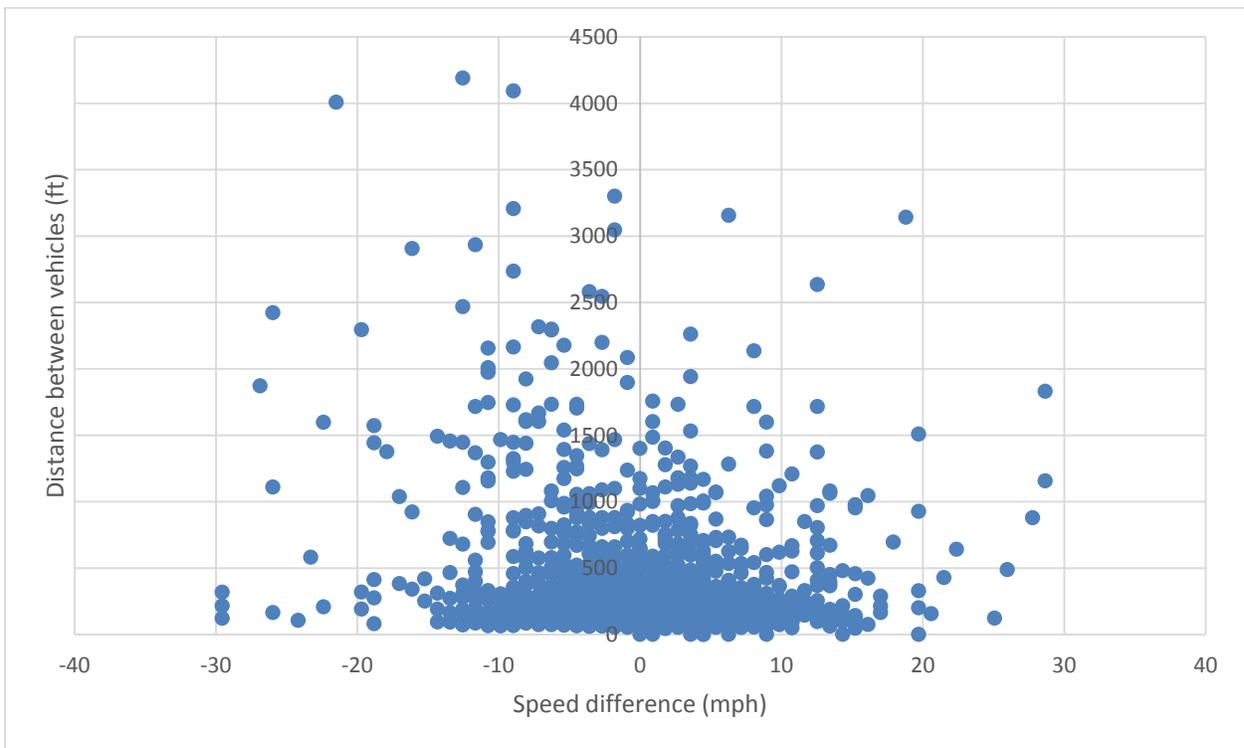


Figure B.105: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 14, Operation Time

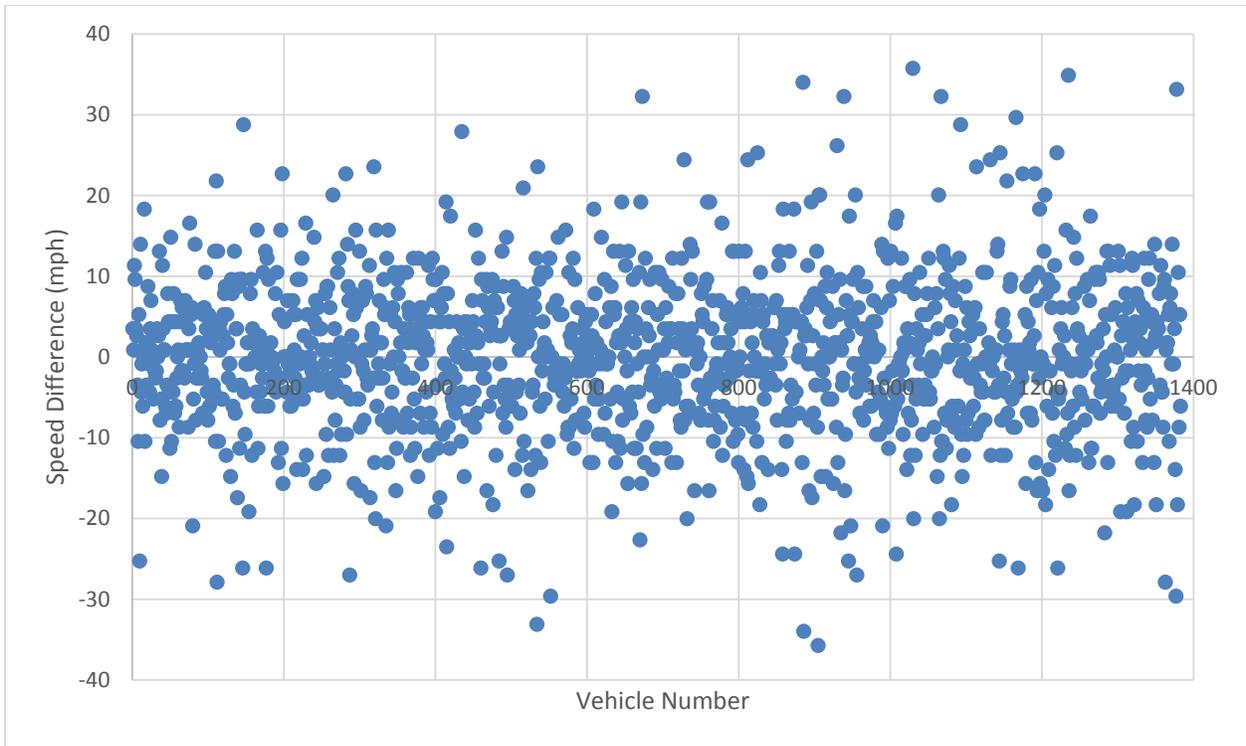


Figure B.106: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 16, Operation Time

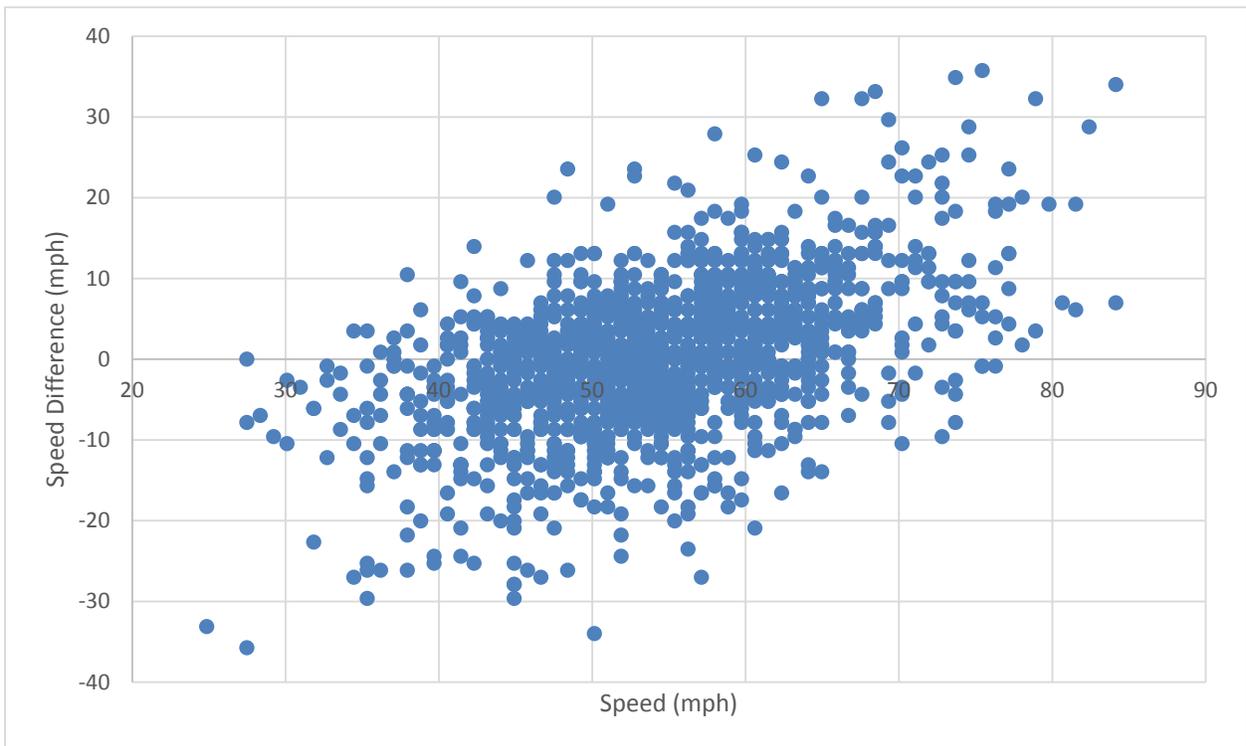


Figure B.107: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 16, Operation Time

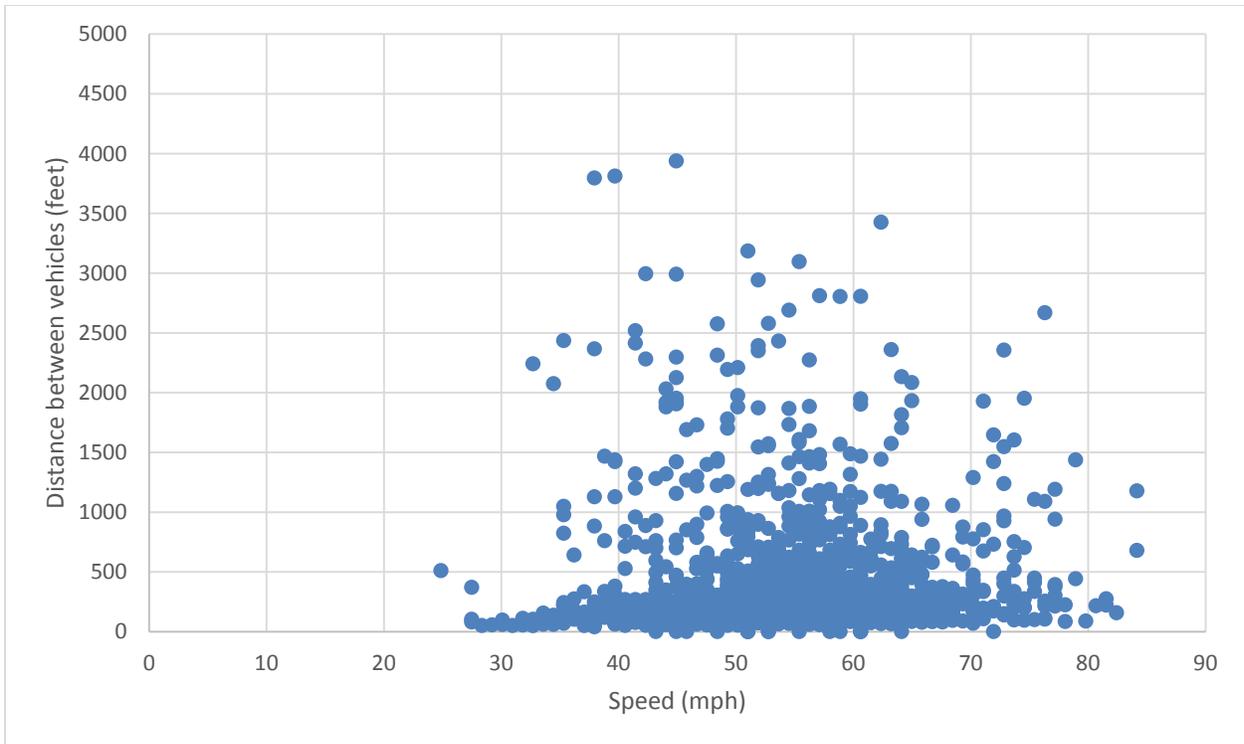


Figure B.108: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 16, Operation Time

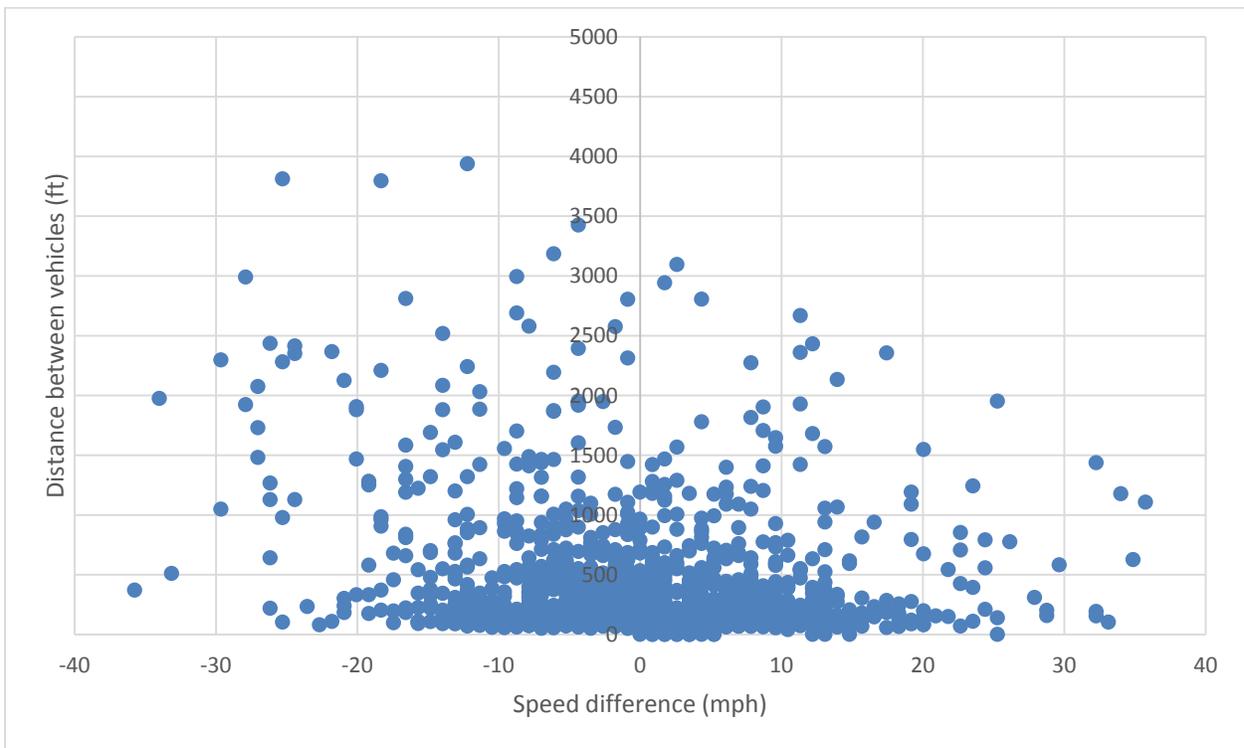


Figure B.109: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 16, Operation Time

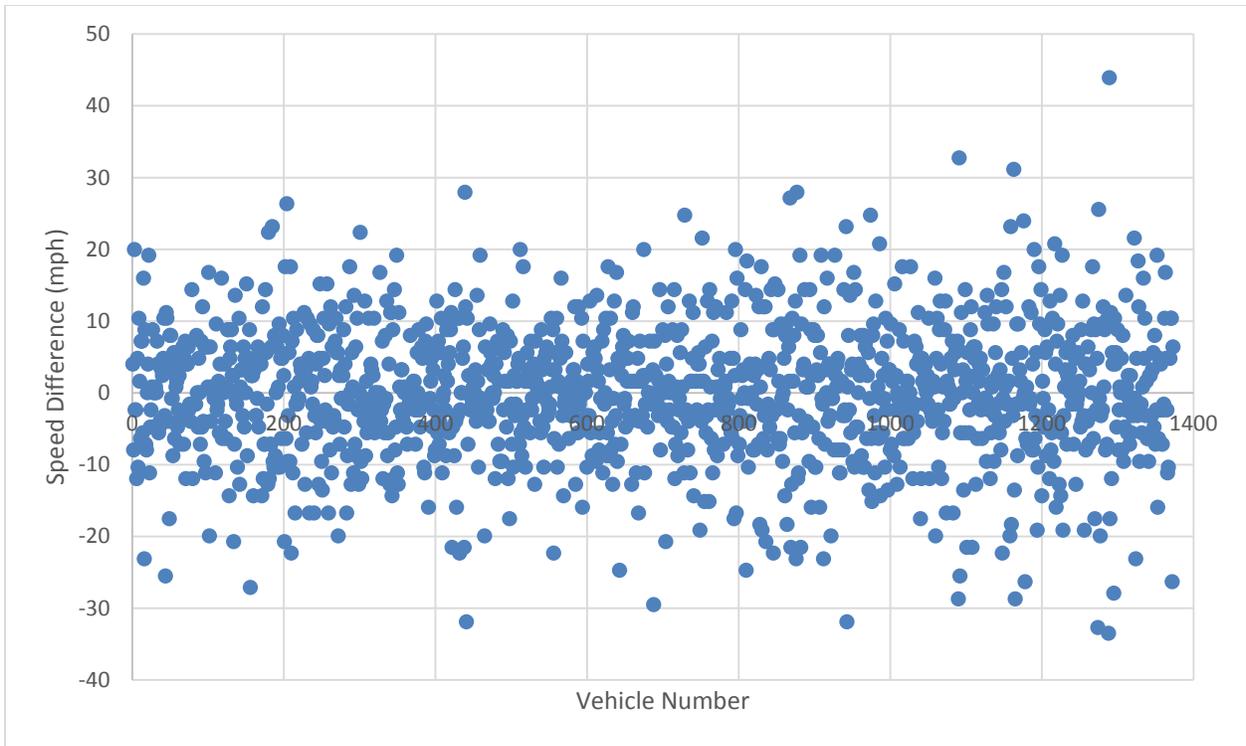


Figure B.110: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 18, Operation Time

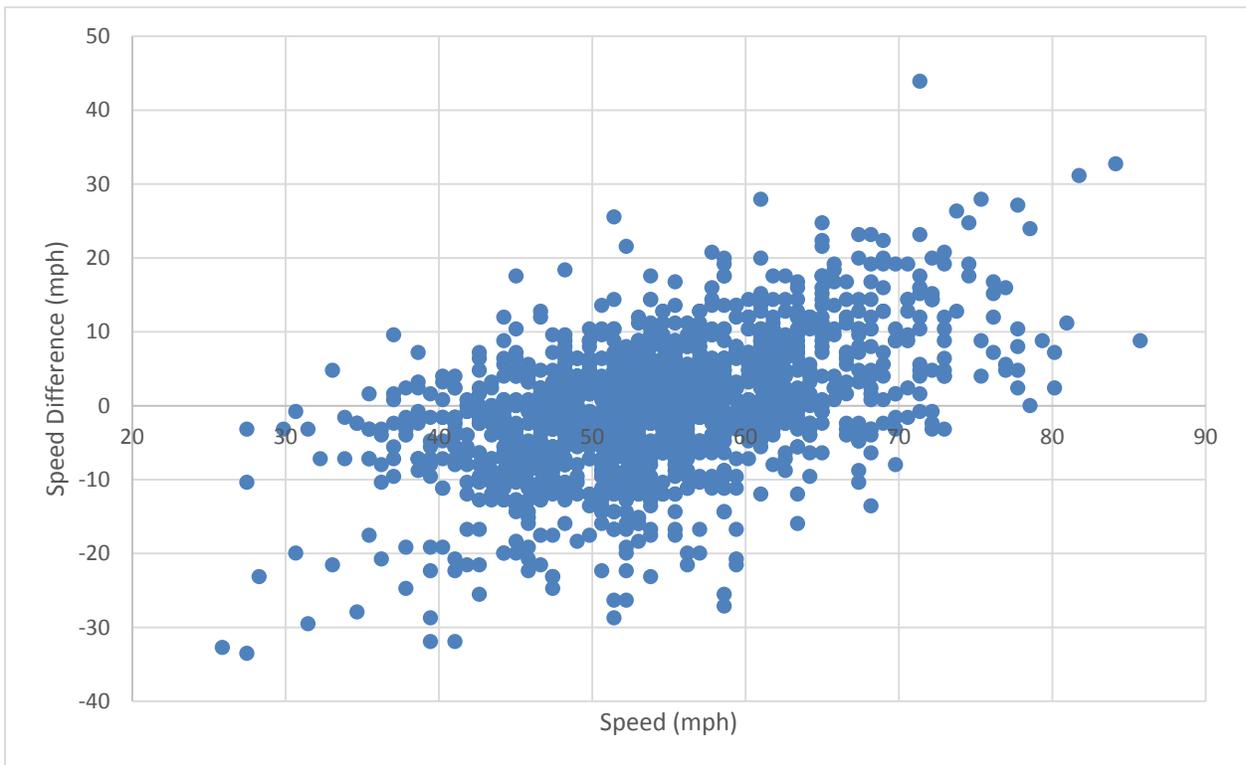


Figure B.111: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 18, Operation Time

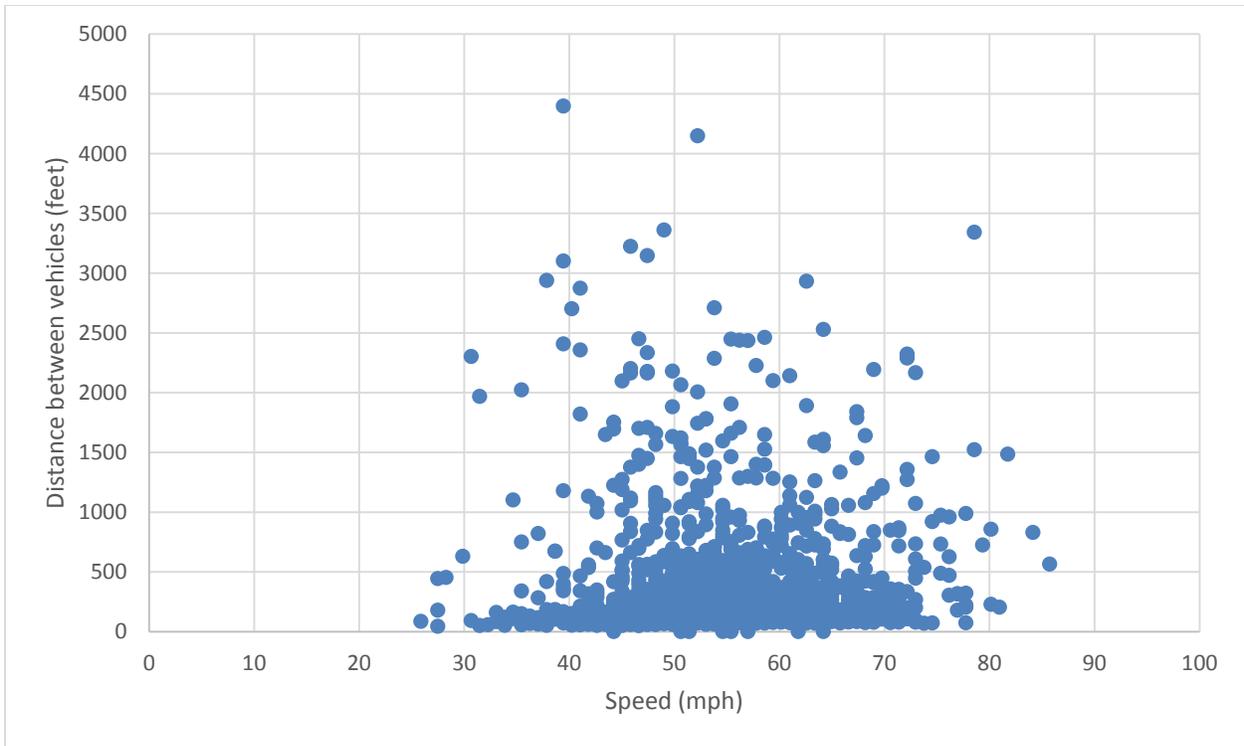


Figure B.112: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 18, Operation Time

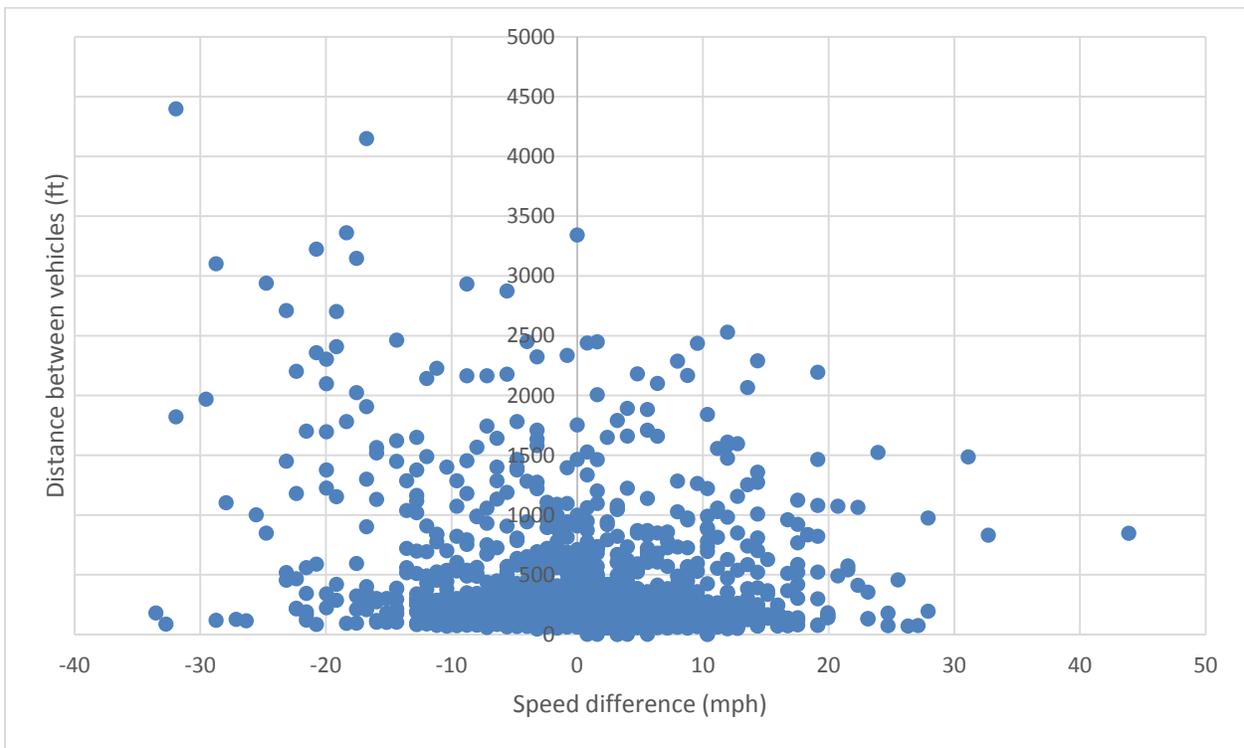


Figure B.113: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 18, Operation Time

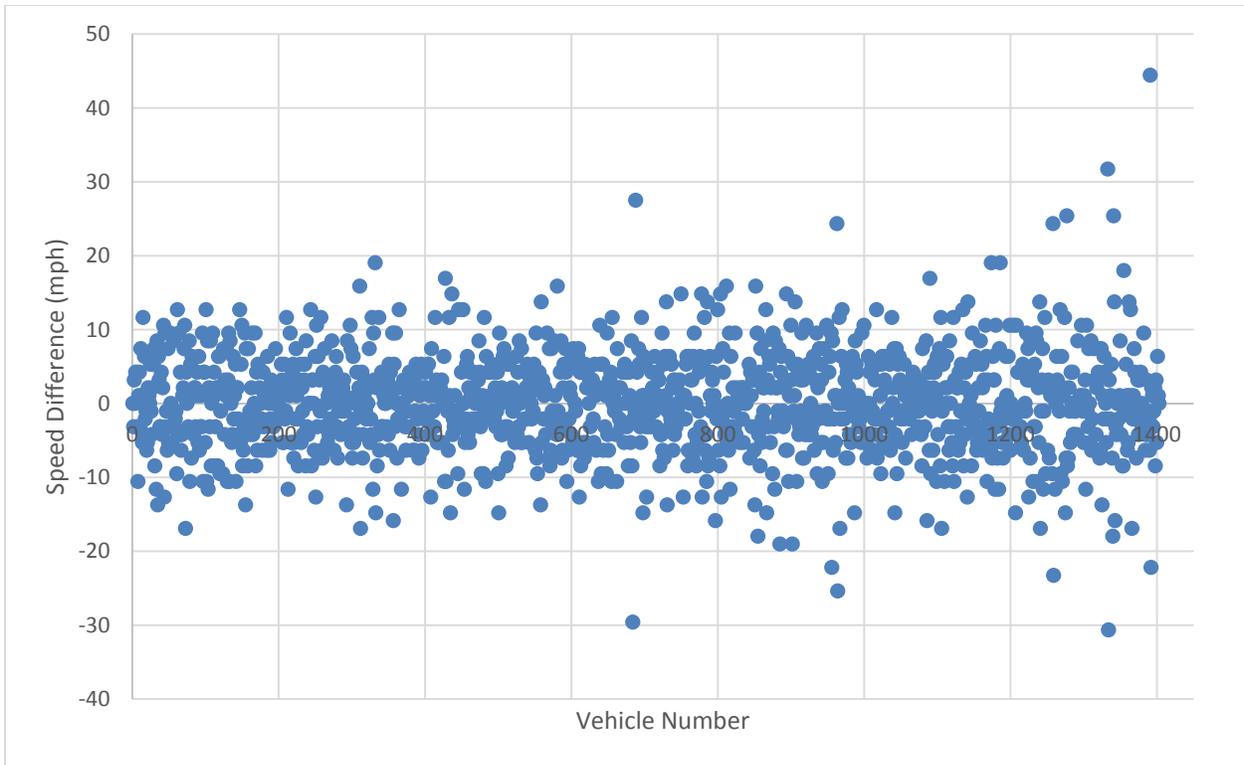


Figure B.114: Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 20, Operation Time

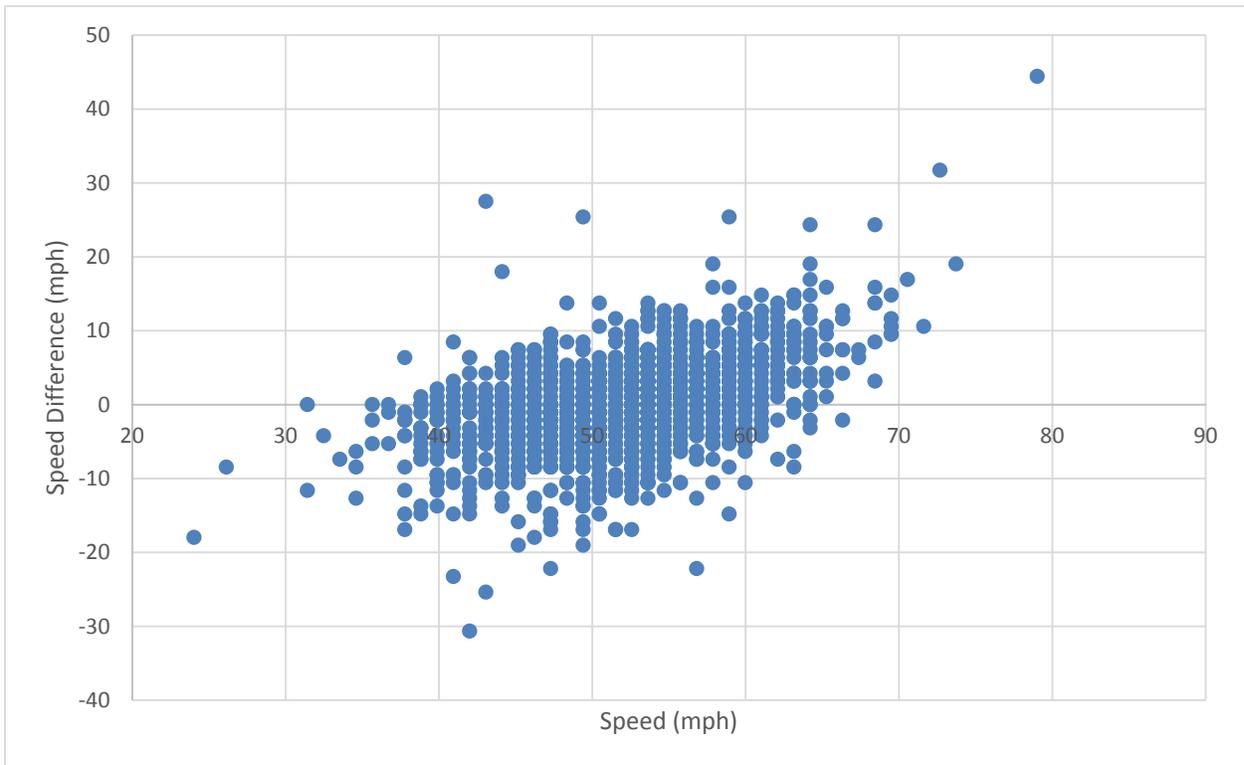


Figure B.115: Speed Difference vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 20, Operation Time

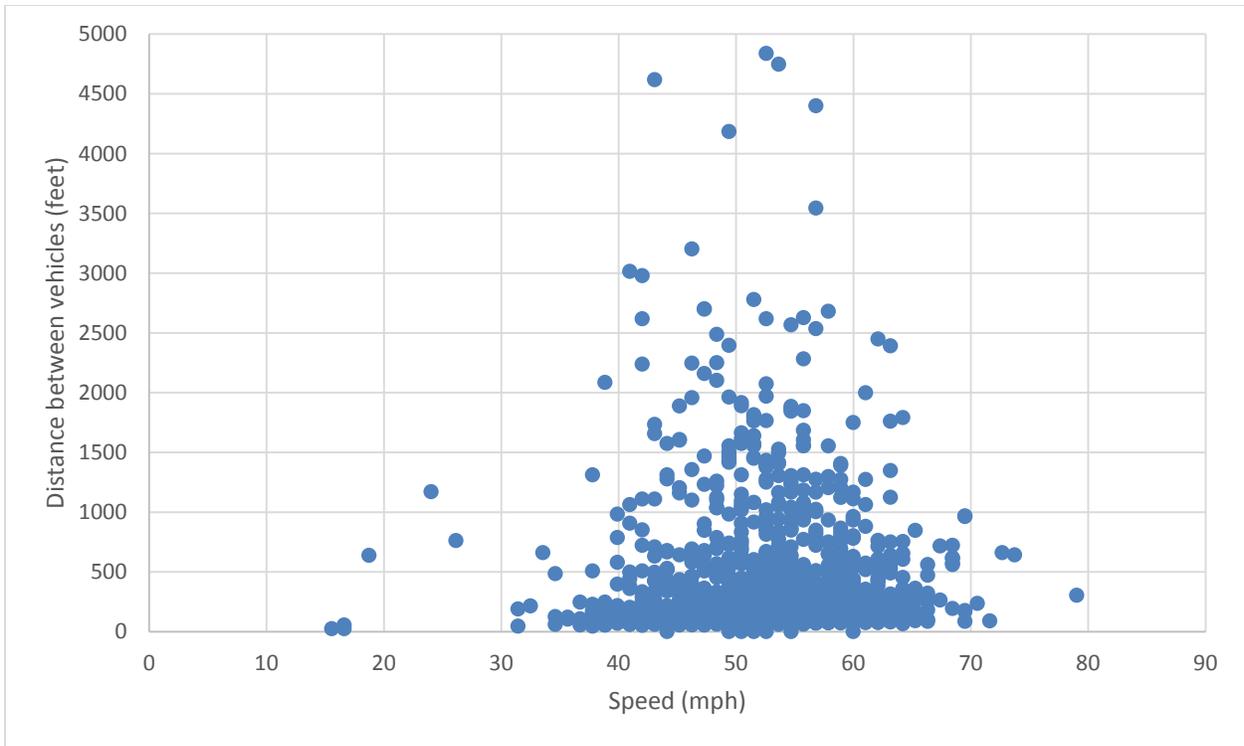


Figure B.116: Distance between Vehicles vs. Vehicle Speed, I-205, Relamping, With RSS (Day 2), Pole 20, Operation Time

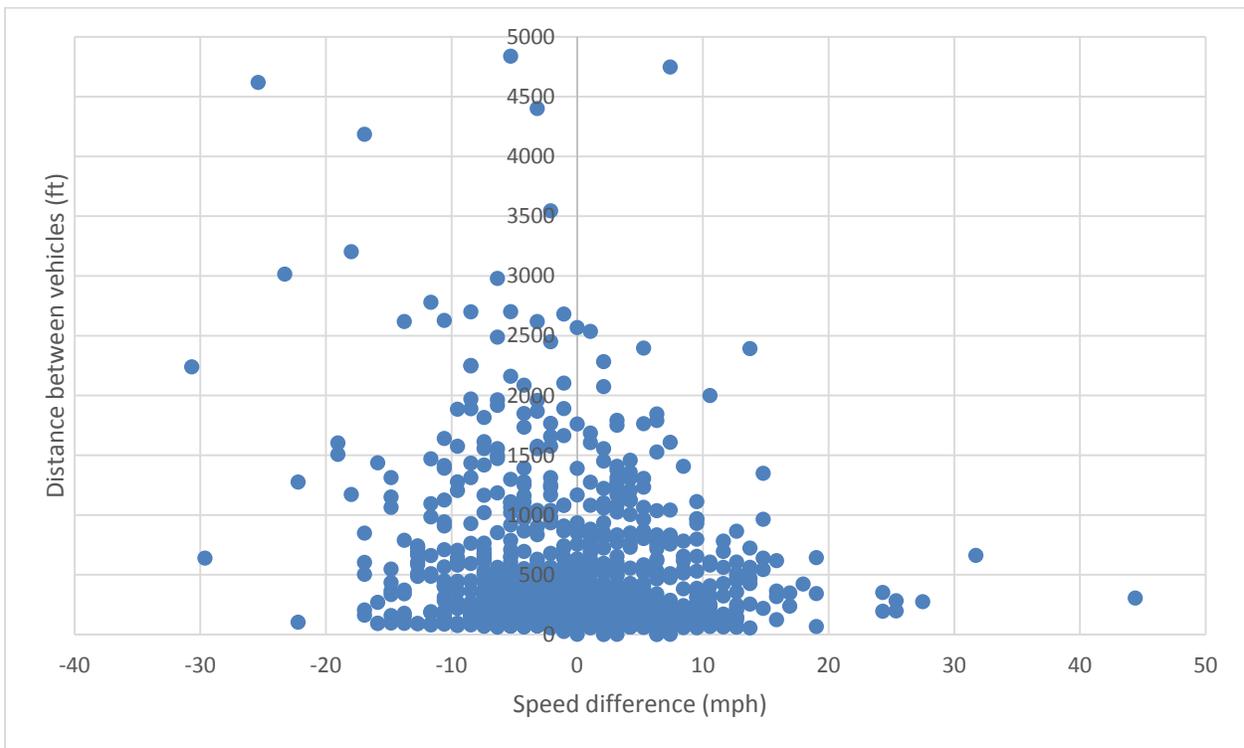


Figure B.117: Difference between Vehicles vs. Vehicle Speed Difference, I-205, Relamping, With RSS (Day 2), Pole 20, Operation Time

Table B.83: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, RWA

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.93	6.62	0.31	0.1228
Passenger Cars	6.87	6.53	0.34	0.0938
Trucks	7.47	7.60	0.12	0.8665

Table B.84: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, RWA

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.31	7.00	0.31	0.2746
Passenger Cars	7.27	6.97	0.30	0.2939
Trucks	8.01	7.36	0.66	0.6540

Table B.85: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, RWA

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	1423.61	1136.01	287.59	0.0001
Passenger Cars	1444.63	1128.36	316.27	0.0000
Trucks	1215.20	1216.10	0.90	0.9963

Table B.86: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.87	7.47	0.60	0.2109
Mean positive speed difference (mph)	7.27	8.01	0.74	0.4145
Mean distance between adjacent vehicles (feet)	1444.63	1215.20	229.43	0.2458

Table B.87: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.53	7.60	1.07	0.0314
Mean positive speed difference (mph)	6.97	7.36	0.39	0.5974
Mean distance between adjacent vehicles (feet)	1128.36	1216.10	87.74	0.5375

Table B.88: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.71	7.53	0.81	0.0187
Mean positive speed difference (mph)	7.13	7.65	0.52	0.3756
Mean distance between adjacent vehicles (feet)	1299.95	1215.60	84.35	0.5044

Table B.89: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, End of Taper

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	9.58	9.46	0.12	0.7504
Passenger Cars	9.36	9.17	0.19	0.6458
Trucks	10.44	10.62	0.18	0.8492

Table B.90: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, End of Taper

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	9.92	9.69	0.23	0.6606
Passenger Cars	9.56	9.34	0.22	0.7022
Trucks	11.41	11.08	0.33	0.8055

Table B.91: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, End of Taper

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	761.45	535.74	225.70	0.0000
Passenger Cars	725.68	518.55	207.14	0.0000
Trucks	904.35	605.94	298.42	0.0000

Table B.92: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, End of Taper

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	9.36	10.44	1.08	0.0859
Mean positive speed difference (mph)	9.56	11.41	1.85	0.0381
Mean distance between adjacent vehicles (feet)	725.68	904.35	178.67	0.0058

Table B.93: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, End of Taper

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	9.17	10.62	1.45	0.0432
Mean positive speed difference (mph)	9.34	11.08	1.74	0.0769
Mean distance between adjacent vehicles (feet)	518.55	605.94	87.39	0.0895

Table B.94: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), End of Taper

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	9.28	10.52	1.24	0.0083
Mean positive speed difference (mph)	9.46	11.26	1.80	0.0065
Mean distance between adjacent vehicles (feet)	631.22	769.83	138.61	0.0012

Table B.95: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 1 and Pole 2

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.22	4.55	0.66	0.0007
Passenger Cars	4.94	4.32	0.62	0.0015
Trucks	7.26	6.93	0.33	0.6894

Table B.96: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 1 and Pole 2

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.61	4.96	0.65	0.0232
Passenger Cars	5.37	4.80	0.57	0.0457
Trucks	7.60	7.11	0.49	0.7208

Table B.97: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 1 and Pole 2

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	536.85	327.14	209.70	0.0000
Passenger Cars	493.86	299.61	194.24	0.0000
Trucks	853.67	607.62	246.04	0.0113

Table B.98: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 1 and Pole 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.94	7.26	2.32	0.0000
Mean positive speed difference (mph)	5.37	7.60	2.23	0.0002
Mean distance between adjacent vehicles (feet)	493.86	853.67	359.81	0.0000

Table B.99: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 1 and Pole 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.32	6.93	2.61	0.0000
Mean positive speed difference (mph)	4.80	7.11	2.31	0.0078
Mean distance between adjacent vehicles (feet)	299.61	607.62	308.01	0.0000

Table B.100: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 1 and Pole 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.65	7.13	2.48	0.0000
Mean positive speed difference (mph)	5.10	7.43	2.33	0.0000
Mean distance between adjacent vehicles (feet)	404.29	759.59	355.30	0.0000

Table B.101: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 3 and Pole 4

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	4.97	3.63	1.34	0.0000
Passenger Cars	4.79	3.42	1.37	0.0000
Trucks	6.65	6.08	0.57	0.4338

Table B.102: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 3 and Pole 4

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.23	4.22	1.01	0.0000
Passenger Cars	5.23	4.11	1.12	0.0000
Trucks	5.19	5.60	0.40	0.7174

Table B.103: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 3 and Pole 4

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	503.97	301.69	202.27	0.0000
Passenger Cars	475.42	278.60	196.82	0.0000
Trucks	762.98	570.02	192.96	0.0311

Table B.104: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 3 and Pole 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.79	6.65	1.87	0.0000
Mean positive speed difference (mph)	5.23	5.19	0.03	0.9520
Mean distance between adjacent vehicles (feet)	475.42	762.98	287.55	0.0000

Table B.105: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 3 and Pole 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	3.42	6.08	2.66	0.0000
Mean positive speed difference (mph)	4.11	5.60	1.49	0.0398
Mean distance between adjacent vehicles (feet)	278.60	570.02	291.42	0.0000

Table B.106: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 3 and Pole 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.15	6.42	2.27	0.0000
Mean positive speed difference (mph)	4.74	5.36	0.62	0.1740
Mean distance between adjacent vehicles (feet)	384.17	685.22	301.04	0.0000

Table B.107: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 5 and Pole 6

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.27	4.36	1.91	0.0000
Passenger Cars	6.12	4.25	1.87	0.0000
Trucks	7.74	6.04	1.70	0.0464

Table B.108: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 5 and Pole 6

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.68	4.73	1.95	0.0000
Passenger Cars	6.67	4.73	1.94	0.0000
Trucks	6.83	4.57	2.27	0.0777

Table B.109: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 5 and Pole 6

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	516.55	313.08	203.48	0.0000
Passenger Cars	484.22	291.32	192.90	0.0000
Trucks	832.72	661.71	171.01	0.1143

Table B.110: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 5 and Pole 6

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.12	7.74	1.62	0.0007
Mean positive speed difference (mph)	6.67	6.83	0.16	0.8330
Mean distance between adjacent vehicles (feet)	484.22	832.72	348.50	0.0000

Table B.111: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 5 and Pole 6

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.25	6.04	1.79	0.0008
Mean positive speed difference (mph)	4.73	4.57	0.17	0.8634
Mean distance between adjacent vehicles (feet)	291.32	661.71	370.39	0.0000

Table B.112: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 5 and Pole 6

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.24	7.14	1.90	0.0000
Mean positive speed difference (mph)	5.76	6.13	0.37	0.5481
Mean distance between adjacent vehicles (feet)	393.00	772.23	379.23	0.0000

Table B.113: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 7 and Pole 8

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.72	6.13	1.59	0.0000
Passenger Cars	7.74	6.00	1.75	0.0000
Trucks	7.54	8.00	0.46	0.6216

Table B.114: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 7 and Pole 8

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.96	6.47	1.49	0.0000
Passenger Cars	7.99	6.40	1.59	0.0000
Trucks	7.71	7.48	0.24	0.8560

Table B.115: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 7 and Pole 8

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	569.65	381.61	188.04	0.0000
Passenger Cars	540.58	360.72	179.87	0.0000
Trucks	829.80	664.38	165.42	0.1033

Table B.116: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 7 and Pole 8

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.74	7.54	0.20	0.7134
Mean positive speed difference (mph)	7.99	7.71	0.27	0.7272
Mean distance between adjacent vehicles (feet)	540.58	829.80	289.22	0.0000

Table B.117: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 7 and Pole 8

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.00	8.00	2.01	0.0009
Mean positive speed difference (mph)	6.40	7.48	1.08	0.2240
Mean distance between adjacent vehicles (feet)	360.72	664.38	303.67	0.0000

Table B.118: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 7 and Pole 8

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.92	7.71	0.79	0.0515
Mean positive speed difference (mph)	7.25	7.62	0.37	0.5252
Mean distance between adjacent vehicles (feet)	455.97	768.58	312.61	0.0000

Table B.119: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 9 and Pole 10

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	8.66	7.60	1.05	0.0001
Passenger Cars	8.48	7.46	1.02	0.0001
Trucks	11.25	10.36	0.89	0.5437

Table B.120: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 9 and Pole 10

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	8.98	8.23	0.75	0.0457
Passenger Cars	8.83	8.04	0.78	0.0328
Trucks	12.06	12.07	0.01	0.9958

Table B.121: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 9 and Pole 10

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	535.62	375.24	160.38	0.0000
Passenger Cars	506.03	353.49	152.54	0.0000
Trucks	962.06	791.96	170.10	0.2110

Table B.122: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 9 and Pole 10

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	8.48	11.25	2.78	0.0001
Mean positive speed difference (mph)	8.83	12.06	3.23	0.0068
Mean distance between adjacent vehicles (feet)	506.03	962.06	456.03	0.0000

Table B.123: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 9 and Pole 10

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.46	10.36	2.90	0.0008
Mean positive speed difference (mph)	8.04	12.07	4.03	0.0020
Mean distance between adjacent vehicles (feet)	353.49	791.96	438.47	0.0000

Table B.124: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 9 and Pole 10

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	8.00	10.90	2.90	0.0000
Mean positive speed difference (mph)	8.47	12.07	3.59	0.0000
Mean distance between adjacent vehicles (feet)	434.91	894.62	459.71	0.0000

Table B.125: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 11 and Pole 12

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	4.89	4.98	0.10	0.5775
Passenger Cars	4.74	4.83	0.09	0.6020
Trucks	6.33	6.59	0.26	0.7391

Table B.126: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 11 and Pole 12

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.12	5.37	0.25	0.3048
Passenger Cars	5.11	5.16	0.04	0.8565
Trucks	5.17	8.65	3.48	0.0141

Table B.127: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 11 and Pole 12

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	529.17	380.94	148.22	0.0000
Passenger Cars	485.69	346.65	139.04	0.0000
Trucks	960.43	744.01	216.42	0.0241

Table B.128: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 11 and Pole 12

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.74	6.33	1.59	0.0001
Mean positive speed difference (mph)	5.11	5.17	0.06	0.9268
Mean distance between adjacent vehicles (feet)	485.69	960.43	474.74	0.0000

Table B.129: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 11 and Pole 12

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.83	6.59	1.76	0.0001
Mean positive speed difference (mph)	5.16	8.65	3.49	0.0000
Mean distance between adjacent vehicles (feet)	346.65	744.01	397.36	0.0000

Table B.130: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 11 and Pole 12

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.78	6.45	1.66	0.0000
Mean positive speed difference (mph)	5.13	6.58	1.45	0.0025
Mean distance between adjacent vehicles (feet)	420.66	862.71	442.05	0.0000

Table B.131: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 13 and Pole 14

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.23	5.11	0.11	0.5228
Passenger Cars	5.02	4.88	0.13	0.4401
Trucks	7.07	7.32	0.25	0.7549

Table B.132: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 13 and Pole 14

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.44	5.38	0.06	0.7974
Passenger Cars	5.31	5.05	0.26	0.2651
Trucks	6.70	8.85	2.14	0.1062

Table B.133: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 13 and Pole 14

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	524.39	381.54	142.85	0.0000
Passenger Cars	480.55	343.58	136.97	0.0000
Trucks	906.95	741.48	165.47	0.0839

Table B.134: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 13 and Pole 14

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.02	7.07	2.06	0.0000
Mean positive speed difference (mph)	5.31	6.70	1.39	0.0226
Mean distance between adjacent vehicles (feet)	480.55	906.95	426.40	0.0000

Table B.135: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 13 and Pole 14

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.88	7.32	2.44	0.0000
Mean positive speed difference (mph)	5.05	8.85	3.80	0.0000
Mean distance between adjacent vehicles (feet)	343.58	741.48	397.91	0.0000

Table B.136: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 13 and Pole 14

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.95	7.18	2.23	0.0000
Mean positive speed difference (mph)	5.19	7.67	2.47	0.0000
Mean distance between adjacent vehicles (feet)	416.39	832.85	416.47	0.0000

Table B.137: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 15 and Pole 16

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	8.01	7.03	0.99	0.0000
Passenger Cars	7.67	6.86	0.81	0.0009
Trucks	9.49	7.80	1.69	0.0082

Table B.138: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 15 and Pole 16

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	8.03	7.33	0.69	0.0329
Passenger Cars	7.33	6.78	0.55	0.0939
Trucks	10.29	9.33	0.96	0.2571

Table B.139: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 15 and Pole 16

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	595.38	423.52	171.86	0.0000
Passenger Cars	535.20	382.29	152.91	0.0000
Trucks	854.95	610.35	244.59	0.0008

Table B.140: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 15 and Pole 16

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.67	9.49	1.82	0.0000
Mean positive speed difference (mph)	7.33	10.29	2.96	0.0000
Mean distance between adjacent vehicles (feet)	535.20	854.95	319.74	0.0000

Table B.141: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 15 and Pole 16

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.86	7.80	0.95	0.0294
Mean positive speed difference (mph)	6.78	9.33	2.55	0.0000
Mean distance between adjacent vehicles (feet)	382.29	610.35	228.06	0.0000

Table B.142: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 15 and Pole 16

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.29	8.72	1.43	0.0000
Mean positive speed difference (mph)	7.08	9.87	2.79	0.0000
Mean distance between adjacent vehicles (feet)	463.43	743.16	279.72	0.0000

Table B.143: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 17 and Pole 18

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.67	6.90	0.77	0.0010
Passenger Cars	7.34	6.59	0.75	0.0026
Trucks	8.78	8.07	0.71	0.2170

Table B.144: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 17 and Pole 18

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.74	7.15	0.59	0.0661
Passenger Cars	6.98	6.51	0.46	0.1596
Trucks	9.58	8.91	0.66	0.3674

Table B.145: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 17 and Pole 18

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	590.09	426.02	164.08	0.0000
Passenger Cars	539.45	363.44	176.01	0.0000
Trucks	761.24	660.73	100.51	0.1353

Table B.146: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 17 and Pole 18

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.34	8.78	1.43	0.0002
Mean positive speed difference (mph)	6.98	9.58	2.60	0.0000
Mean distance between adjacent vehicles (feet)	539.45	761.24	221.79	0.0000

Table B.147: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 17 and Pole 18

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.59	8.07	1.47	0.0002
Mean positive speed difference (mph)	6.51	8.91	2.40	0.0000
Mean distance between adjacent vehicles (feet)	363.44	660.73	297.29	0.0000

Table B.148: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 17 and Pole 18

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.99	8.46	1.47	0.0000
Mean positive speed difference (mph)	6.76	9.29	2.53	0.0000
Mean distance between adjacent vehicles (feet)	456.64	716.55	259.91	0.0000

Table B.149: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 19 and Pole 20

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.05	5.00	1.05	0.0000
Passenger Cars	5.89	4.93	0.96	0.0000
Trucks	7.56	5.93	1.63	0.0293

Table B.150: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 19 and Pole 20

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.42	5.38	1.04	0.0001
Passenger Cars	6.28	5.32	0.96	0.0002
Trucks	7.84	6.29	1.54	0.2501

Table B.151: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Relamping, Pole 19 and Pole 20

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	557.91	399.50	158.40	0.0000
Passenger Cars	507.50	367.04	140.46	0.0000
Trucks	1023.06	801.12	221.95	0.0395

Table B.152: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 19 and Pole 20

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.89	7.56	1.67	0.0001
Mean positive speed difference (mph)	6.28	7.84	1.55	0.0195
Mean distance between adjacent vehicles (feet)	507.50	1023.06	515.56	0.0000

Table B.153: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, Pole 19 and Pole 20

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	4.93	5.93	1.00	0.0252
Mean positive speed difference (mph)	5.32	6.29	0.97	0.1901
Mean distance between adjacent vehicles (feet)	367.04	801.12	434.07	0.0000

Table B.154: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Relamping, With and Without RSS (Day 1 and 2), Pole 19 and Pole 20

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.44	6.91	1.47	0.0000
Mean positive speed difference (mph)	5.83	7.26	1.43	0.0039
Mean distance between adjacent vehicles (feet)	441.32	934.45	493.13	0.0000

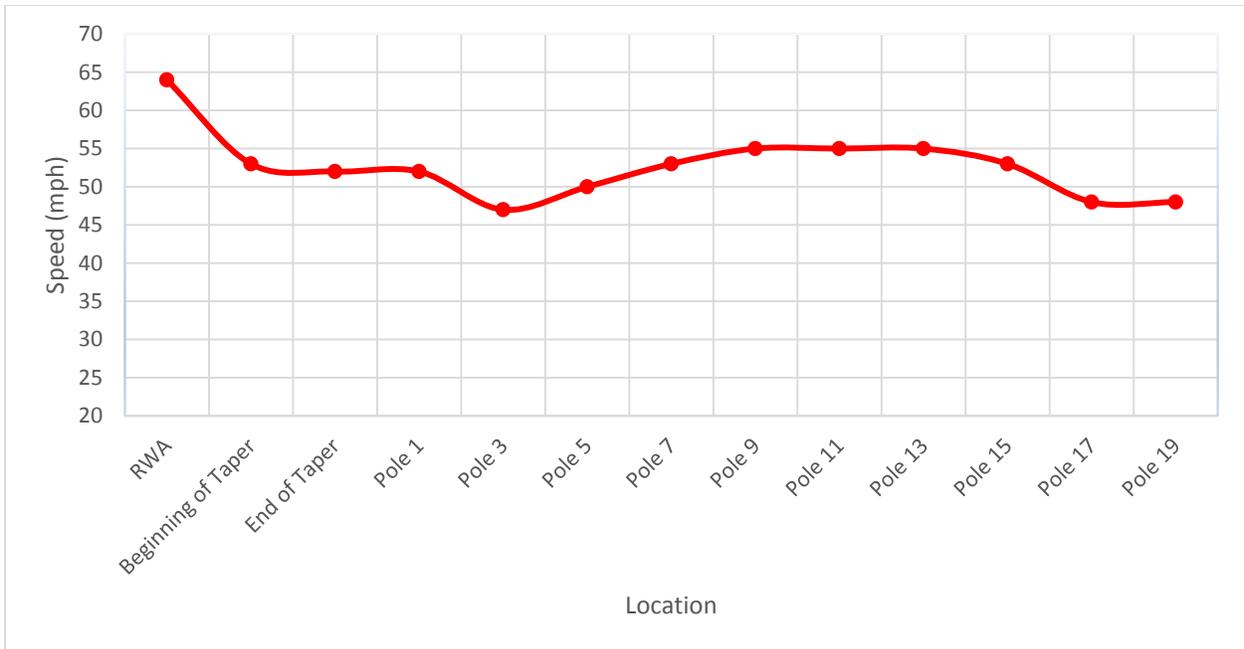


Figure B.118: Probe Vehicle, I-205, Relamping, Without RSS (Day 1), Trip 1 (before starting the maintenance operation)

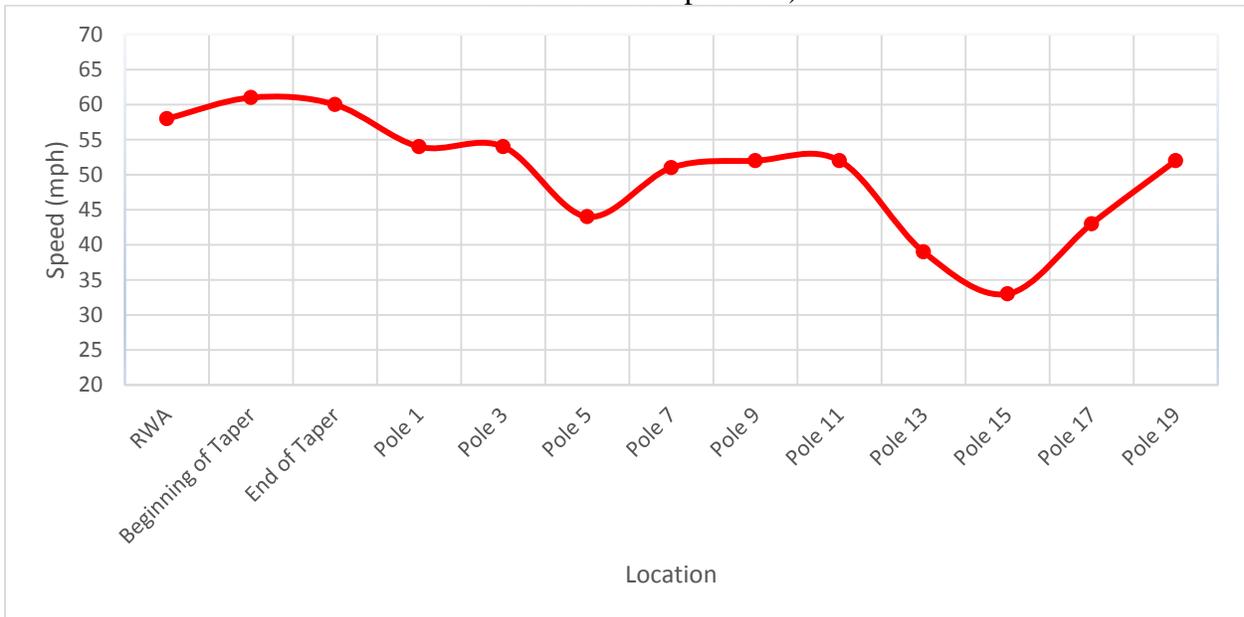


Figure B.119: Probe Vehicle, I-205, Relamping, Without RSS (Day 1), Trip 2 (before starting the maintenance operation)

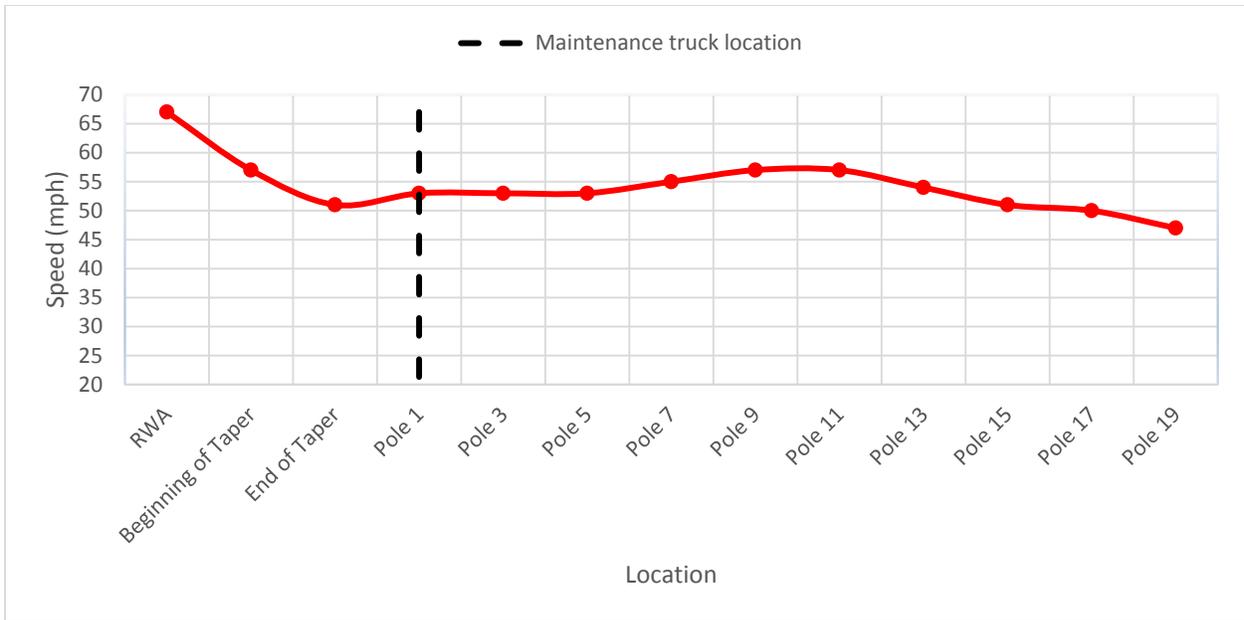


Figure B.120: Probe Vehicle, I-205, Relamping, Without RSS (Day 1), Trip 3 (during the maintenance operation)

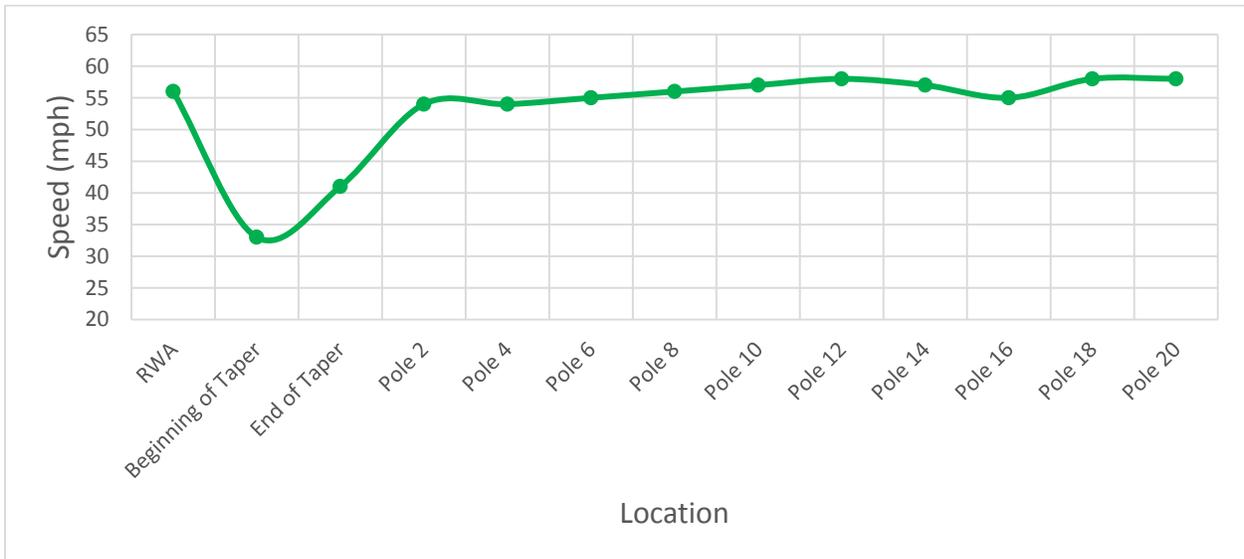


Figure B.121: Probe Vehicle, I-205, Relamping, With RSS (Day 2), Trip 1 (before starting the maintenance operation)

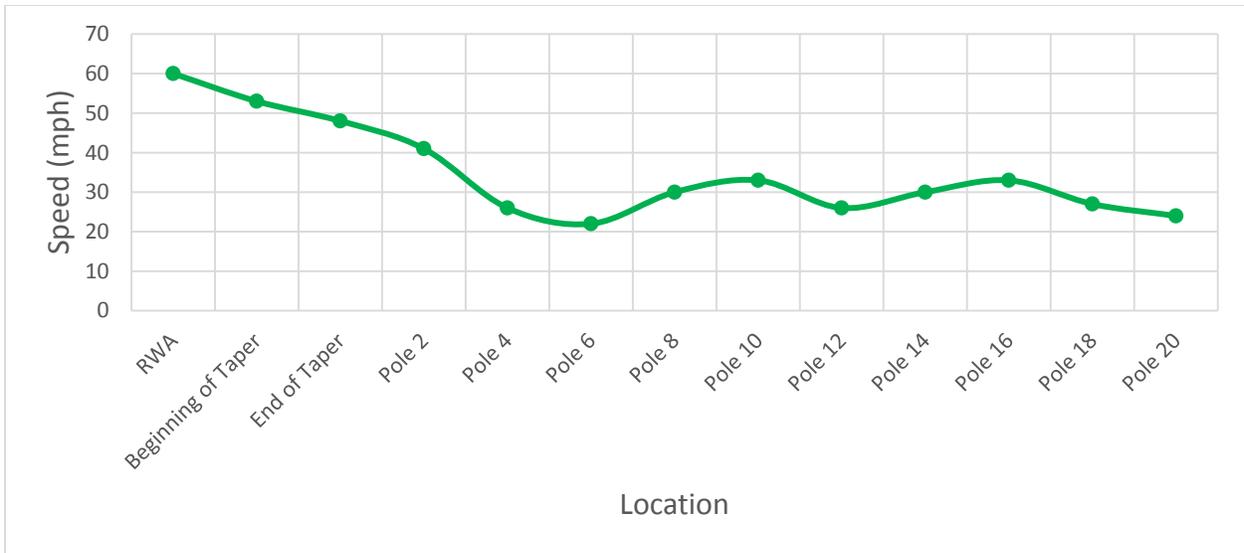


Figure B.122: Probe Vehicle, I-205, Relamping, With RSS (Day 2), Trip 2 (before starting the maintenance operation)

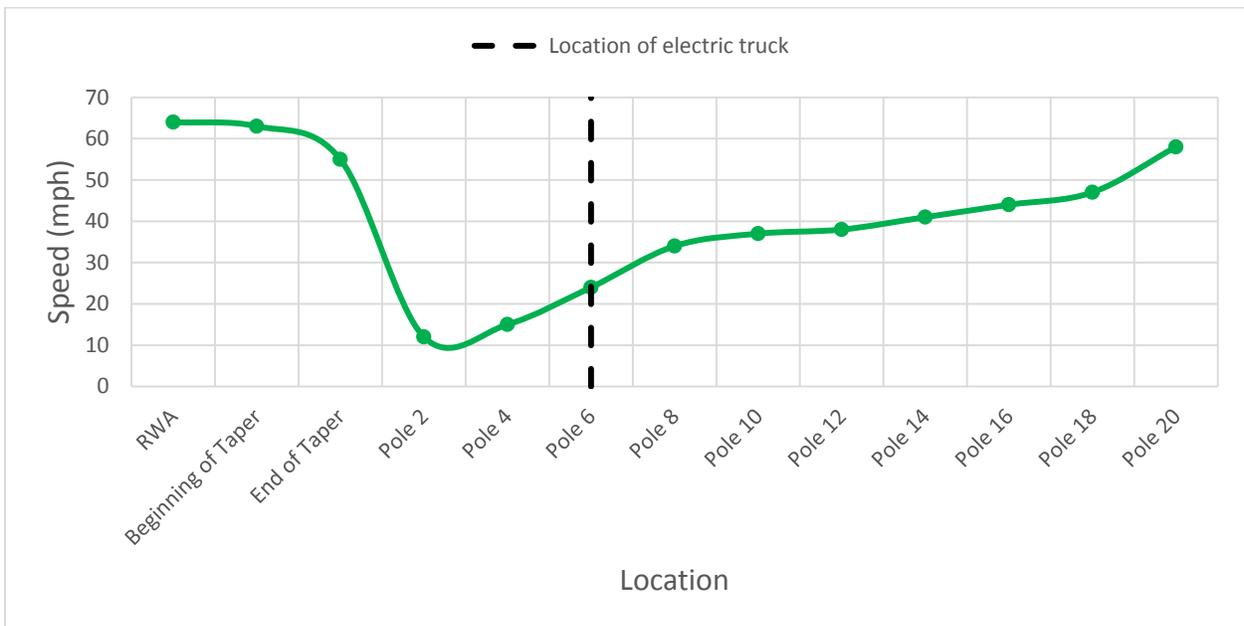


Figure B.123: Probe Vehicle, I-205, Relamping, With RSS (Day 2), Trip 3 (during the maintenance operation)

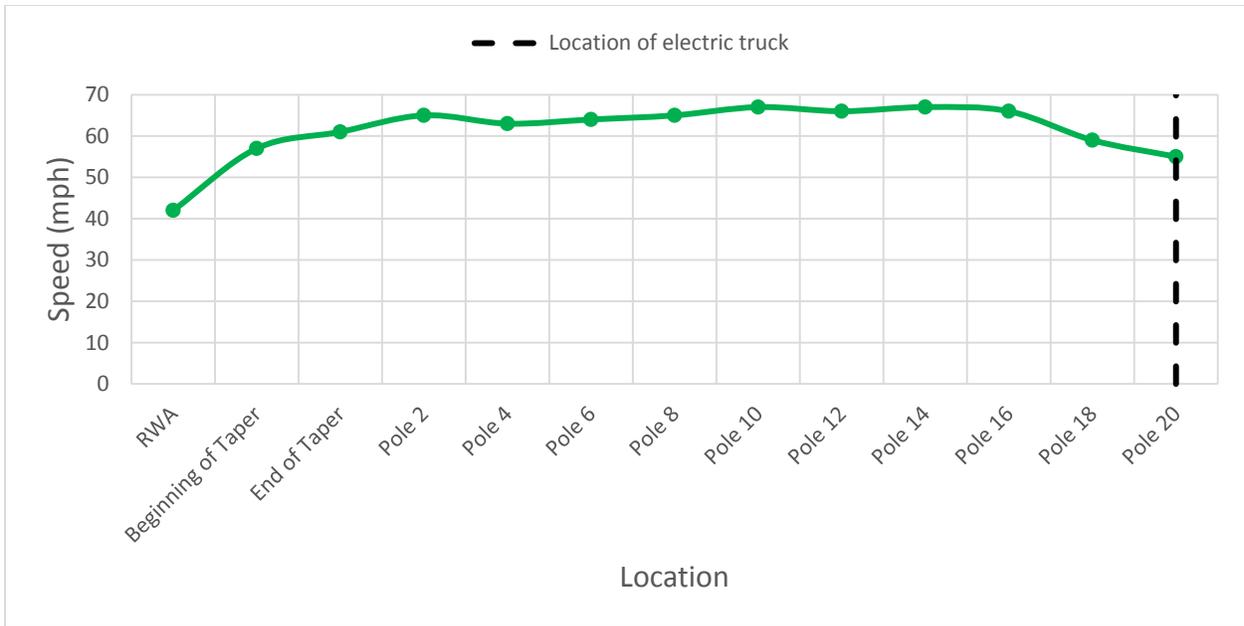


Figure B.124: Probe Vehicle, I-205, Relamping, With RSS (Day 2), Trip 4 (during the maintenance operation)

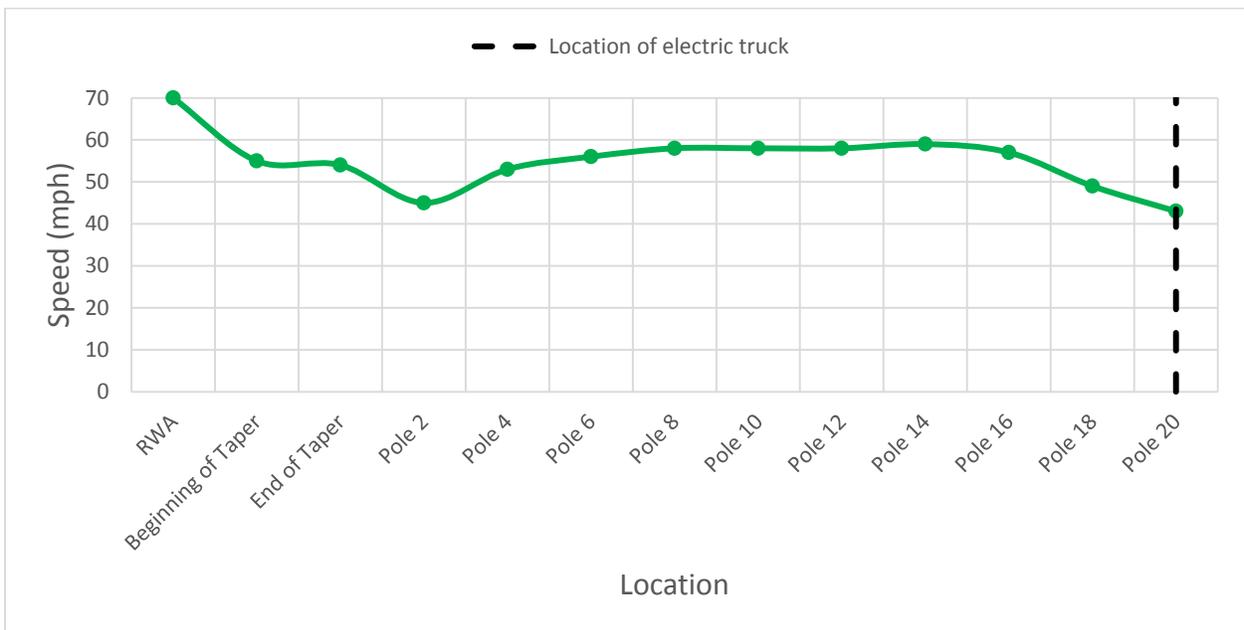


Figure B.125: Probe Vehicle, I-205, Relamping, With RSS (Day 2), Trip 5 (during the maintenance operation)

APPENDIX C

CASE STUDY #2: I-205, SWEEPING

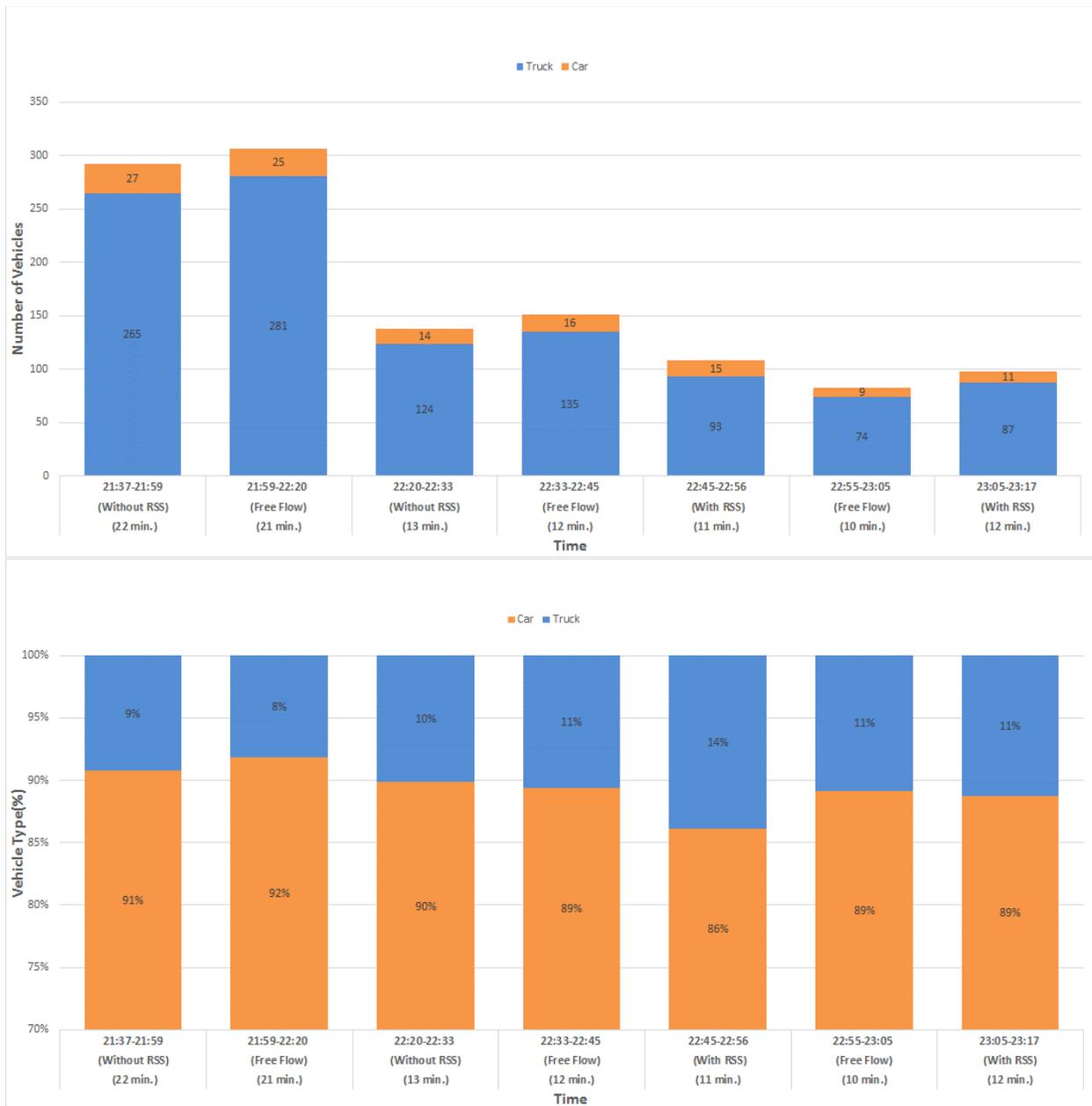


Figure C.1: Traffic Volume, Number of Vehicles, and Vehicle Type Percentage, I-205, Sweeping, Pole 10

Table C. 1: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Sweeping, RWA

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	21:37-21:59 (without RSS)	21:59-22:20 (Free Flow)	22:20-22:33 (without RSS)	22:33-22:45 (Free Flow)	22:45-22:56 (with RSS)	22:55-23:05 (Free Flow)	23:05-23:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.2%	0.6%	0.0%	0.4%	0.0%	0.0%	1.0%	0.0%	0.0%
35-39	0.0%	0.8%	0.0%	0.0%	0.4%	0.0%	0.7%	0.0%	2.5%	0.0%
40-44	0.5%	1.5%	1.7%	0.4%	1.1%	0.8%	2.2%	1.0%	1.2%	2.4%
45-49	6.4%	4.2%	3.4%	6.4%	1.9%	6.3%	5.9%	5.2%	8.6%	1.2%
50-54	12.8%	14.2%	11.2%	12.8%	14.9%	12.7%	14.0%	12.5%	12.3%	9.8%
55-59	30.9%	28.7%	27.5%	28.9%	30.7%	34.9%	25.7%	31.3%	27.2%	23.2%
60-64	30.4%	29.9%	33.1%	30.1%	31.0%	31.0%	29.4%	27.1%	27.2%	40.2%
65-69	11.5%	13.6%	12.4%	11.7%	11.5%	11.1%	16.9%	11.5%	14.8%	13.4%
70-74	4.1%	4.0%	4.5%	4.9%	4.6%	2.4%	3.7%	4.2%	2.5%	4.9%
>=75	3.6%	2.9%	5.6%	4.9%	3.4%	0.8%	1.5%	6.3%	3.7%	4.9%
Total # of vehicles	392	478	178	266	261	126	136	96	81	82
Average speed	60.3	59.9	61.2	60.6	60.1	59.5	59.7	60.7	59.4	61.6
St. Dev.	7.1	7.1	7.7	7.5	6.8	6.2	7.2	8.4	7.9	6.8
85th percentile	66.7	66.7	66.7	67.6	65.8	64.9	66.7	67.4	66.7	66.7
Min	43.6	31.6	33.4	43.6	31.6	43.8	35.3	33.4	39.0	40.7
Max	88.0	81.5	86.1	88.0	81.5	82.4	77.2	86.1	77.2	80.6
Range	44.4	50.0	52.7	44.4	50.0	38.7	41.9	52.7	38.2	39.9

Table C.2: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Sweeping, RWA

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	21:37-21:59 (without RSS)	21:59-22:20 (Free Flow)	22:20-22:33 (without RSS)	22:33-22:45 (Free Flow)	22:45-22:56 (with RSS)	22:55-23:05 (Free Flow)	23:05-23:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.2%	0.6%	0.0%	0.4%	0.0%	0.0%	1.2%	0.0%	0.0%
35-39	0.0%	0.9%	0.0%	0.0%	0.4%	0.0%	0.8%	0.0%	2.7%	0.0%
40-44	0.3%	1.4%	1.9%	0.0%	1.3%	0.9%	1.7%	1.2%	1.4%	2.7%
45-49	5.8%	3.3%	3.8%	5.7%	0.9%	6.3%	5.1%	5.8%	8.2%	1.4%
50-54	11.7%	12.9%	10.0%	12.6%	13.2%	9.8%	13.6%	12.8%	11.0%	6.8%
55-59	30.6%	28.2%	25.0%	29.1%	32.1%	33.9%	23.7%	27.9%	23.3%	21.6%
60-64	31.8%	31.1%	35.0%	31.2%	31.6%	33.0%	30.5%	29.1%	30.1%	41.9%
65-69	11.4%	14.8%	13.8%	10.9%	12.4%	12.5%	18.6%	12.8%	16.4%	14.9%
70-74	4.5%	4.0%	4.4%	5.3%	4.3%	2.7%	4.2%	3.5%	2.7%	5.4%
>=75	3.9%	3.1%	5.6%	5.3%	3.4%	0.9%	1.7%	5.8%	4.1%	5.4%
Total # of vehicles	359	425	160	247	234	112	118	86	73	74
Average speed	60.6	60.2	61.4	60.9	60.3	60.0	60.2	60.7	59.8	62.1
St. Dev.	7.1	7.1	7.8	7.4	6.6	6.2	7.3	8.4	8.1	6.9
85th percentile	66.7	66.7	66.9	67.7	65.8	65.7	67.1	67.0	67.8	66.8
Min	43.8	31.6	33.4	45.4	31.6	43.8	35.3	33.4	39.0	40.7
Max	88.0	81.4	86.1	88.0	81.4	82.4	77.2	86.1	77.2	80.6
Range	44.2	49.8	52.7	42.6	49.8	38.7	41.9	52.7	38.2	39.9

Table C.3: Hourly Summary of Vehicle Speed for Trucks, I-205, Sweeping, RWA

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	21:37-21:59 (without RSS)	21:59-22:20 (Free Flow)	22:20-22:33 (without RSS)	22:33-22:45 (Free Flow)	22:45-22:56 (with RSS)	22:55-23:05 (Free Flow)	23:05-23:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
40-44	3.0%	1.9%	0.0%	5.3%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%
45-49	12.1%	11.3%	0.0%	15.8%	11.1%	7.1%	11.1%	0.0%	12.5%	0.0%
50-54	24.2%	24.5%	22.2%	15.8%	29.6%	35.7%	16.7%	10.0%	25.0%	37.5%
55-59	33.3%	32.1%	50.0%	26.3%	18.5%	42.9%	38.9%	60.0%	62.5%	37.5%
60-64	15.2%	20.8%	16.7%	15.8%	25.9%	14.3%	22.2%	10.0%	0.0%	25.0%
65-69	12.1%	3.8%	0.0%	21.1%	3.7%	0.0%	5.6%	0.0%	0.0%	0.0%
70-74	0.0%	3.8%	5.6%	0.0%	7.4%	0.0%	0.0%	10.0%	0.0%	0.0%
>=75	0.0%	1.9%	5.6%	0.0%	3.7%	0.0%	0.0%	10.0%	0.0%	0.0%
Total # of vehicles	33	53	18	19	27	14	18	10	8	8
Average speed	56.8	57.2	59.4	57.7	58.1	55.7	56.6	60.8	55.6	57.6
St. Dev.	7.0	7.0	6.9	8.1	8.1	5.1	6.4	8.4	3.6	4.2
85th percentile	64.9	63.1	62.4	67.0	63.4	58.7	63.8	67.8	58.4	61.1
Min	43.6	43.8	51.0	43.6	45.4	45.4	43.8	51.0	49.1	51.9
Max	69.9	81.5	79.7	69.9	81.5	64.9	67.6	79.7	59.3	63.9
Range	26.3	37.7	28.7	26.3	36.1	19.4	23.9	28.7	10.2	12.0

Table C.4: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Sweeping, Pole 1

Vehicle Speed (all vehicles)	Total (without RSS)	Total (Free Flow)	Total (with RSS)	Time						
				9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	2.5%	0.0%	0.0%	0.7%	0.0%	4.9%	0.0%	0.0%
25-29	0.2%	0.2%	2.0%	0.3%	0.0%	0.0%	0.7%	3.9%	0.0%	0.0%
30-34	0.7%	0.4%	1.5%	0.3%	0.0%	1.5%	1.3%	1.9%	0.0%	1.0%
35-39	2.0%	1.1%	3.9%	1.9%	0.3%	2.2%	2.7%	1.9%	1.2%	5.9%
40-44	6.4%	2.9%	6.9%	4.7%	1.7%	10.3%	4.0%	8.7%	4.9%	5.0%
45-49	12.1%	7.3%	5.9%	10.7%	7.9%	15.4%	8.0%	6.8%	3.7%	5.0%
50-54	15.6%	14.1%	12.7%	15.0%	14.1%	16.9%	12.7%	16.5%	17.1%	8.9%
55-59	24.0%	28.5%	22.1%	23.8%	28.2%	24.3%	29.3%	14.6%	28.0%	29.7%
60-64	21.3%	26.6%	26.5%	22.3%	27.5%	19.1%	25.3%	19.4%	25.6%	33.7%
65-69	10.5%	13.0%	7.8%	11.9%	12.7%	7.4%	14.0%	10.7%	12.2%	5.0%
70-74	4.2%	4.4%	5.4%	5.3%	5.8%	1.5%	0.7%	7.8%	6.1%	3.0%
>=75	2.9%	1.5%	2.9%	3.8%	1.7%	0.7%	1.3%	2.9%	1.2%	3.0%
Total # of vehicles	455	523	204	319	291	136	150	103	82	101
Average speed	57.2	58.8	56.3	58.4	59.6	54.5	57.4	54.8	58.8	57.7
St. Dev.	9.2	7.7	11.6	9.1	7.1	8.7	8.5	13.3	7.8	9.4
85th percentile	65.9	66.4	65.5	67.2	66.7	62.1	65.8	65.9	65.9	64.0
Min	21.1	26.6	23.7	28.5	35.5	21.1	26.6	23.7	36.2	30.4
Max	88.2	78.7	90.6	88.2	78.7	75.5	75.1	78.7	78.7	90.6
Range	67.1	52.0	66.9	59.7	43.2	54.4	48.4	54.9	42.5	60.2

Table C.5: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Sweeping, Pole 1

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	2.8%	0.0%	0.0%	0.9%	0.0%	5.4%	0.0%	0.0%
25-29	0.2%	0.2%	2.2%	0.3%	0.0%	0.0%	0.8%	4.3%	0.0%	0.0%
30-34	0.7%	0.2%	1.7%	0.3%	0.0%	1.7%	0.8%	2.2%	0.0%	1.1%
35-39	2.0%	1.3%	3.3%	2.1%	0.4%	1.7%	3.1%	2.2%	1.4%	4.5%
40-44	4.9%	1.9%	6.1%	3.4%	1.5%	8.5%	1.5%	8.7%	4.1%	3.4%
45-49	11.3%	7.3%	6.1%	10.0%	7.7%	14.5%	8.5%	7.6%	4.1%	4.5%
50-54	15.0%	13.4%	13.3%	14.4%	13.8%	16.2%	11.5%	16.3%	15.1%	10.2%
55-59	25.0%	27.4%	18.9%	24.4%	27.2%	26.5%	29.2%	9.8%	24.7%	28.4%
60-64	22.5%	28.7%	27.8%	23.0%	29.9%	21.4%	26.2%	19.6%	28.8%	36.4%
65-69	10.8%	13.8%	8.3%	12.4%	12.6%	6.8%	16.2%	12.0%	13.7%	4.5%
70-74	4.4%	4.1%	6.1%	5.5%	5.0%	1.7%	0.8%	8.7%	6.8%	3.4%
>=75	2.9%	1.7%	3.3%	4.1%	1.9%	0.0%	1.5%	3.3%	1.4%	3.4%
Total # of vehicles	408	464	180	291	261	117	130	92	73	88
Average speed	57.7	59.2	56.6	58.8	59.7	54.8	58.0	54.8	59.4	58.5
St. Dev.	9.1	7.5	11.9	9.1	7.0	8.5	8.2	14.0	8.0	9.0
85th percentile	66.7	66.7	65.9	67.9	66.7	62.1	66.7	67.2	66.1	64.0
Min	21.1	26.6	23.7	28.5	35.5	21.1	26.6	23.7	36.2	30.4
Max	88.2	78.7	90.6	88.2	78.7	74.6	75.1	78.7	78.7	90.6
Range	67.1	52.0	66.9	59.7	43.2	53.5	48.4	54.9	42.5	60.2

Table C.6: Hourly Summary of Vehicle Speed for Trucks, I-205, Sweeping, Pole 1

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%
35-39	2.1%	0.0%	8.3%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	15.4%
40-44	19.1%	10.2%	12.5%	17.9%	3.3%	21.1%	20.0%	9.1%	11.1%	15.4%
45-49	19.1%	6.8%	4.2%	17.9%	10.0%	21.1%	5.0%	0.0%	0.0%	7.7%
50-54	21.3%	20.3%	8.3%	21.4%	16.7%	21.1%	20.0%	18.2%	33.3%	0.0%
55-59	14.9%	37.3%	45.8%	17.9%	36.7%	10.5%	30.0%	54.5%	55.6%	38.5%
60-64	10.6%	10.2%	16.7%	14.3%	6.7%	5.3%	20.0%	18.2%	0.0%	15.4%
65-69	8.5%	6.8%	4.2%	7.1%	13.3%	10.5%	0.0%	0.0%	0.0%	7.7%
70-74	2.1%	6.8%	0.0%	3.6%	13.3%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	2.1%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	47	59	24	28	30	19	20	11	9	13
Average speed	53.3	56.2	53.7	53.9	58.9	52.6	53.0	55.5	54.2	52.2
St. Dev.	8.9	8.5	8.6	8.5	8.1	9.6	9.1	5.9	5.1	10.4
85th percentile	63.2	65.0	60.7	63.0	69.4	61.9	61.6	60.2	58.8	60.6
Min	38.1	31.4	35.2	40.0	44.8	38.1	31.4	41.0	43.9	35.2
Max	75.5	73.6	65.9	71.7	73.6	75.5	65.0	62.1	59.2	65.9
Range	37.4	42.2	30.7	31.7	28.8	37.4	33.6	21.1	15.4	30.7

Table C.7: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Sweeping, Pole 5

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%
25-29	0.5%	0.0%	2.3%	0.3%	0.0%	0.7%	0.0%	4.5%	0.0%	0.0%
30-34	2.1%	0.4%	6.1%	1.0%	0.3%	4.4%	0.7%	9.0%	0.0%	2.9%
35-39	3.6%	0.9%	4.2%	3.6%	0.0%	3.6%	2.7%	6.3%	1.2%	1.9%
40-44	9.1%	1.9%	7.0%	7.0%	2.0%	13.9%	1.3%	4.5%	2.4%	9.7%
45-49	13.9%	6.7%	14.5%	11.9%	6.6%	18.2%	8.7%	14.4%	3.6%	14.6%
50-54	22.1%	22.0%	20.6%	21.2%	20.1%	24.1%	23.5%	18.9%	26.5%	22.3%
55-59	19.1%	31.3%	23.4%	21.9%	31.3%	13.1%	31.5%	14.4%	31.3%	33.0%
60-64	18.5%	26.7%	15.4%	20.2%	29.6%	14.6%	22.1%	17.1%	24.1%	13.6%
65-69	7.3%	6.7%	3.3%	8.3%	5.9%	5.1%	7.4%	4.5%	8.4%	1.9%
70-74	2.3%	2.4%	1.4%	2.6%	3.0%	1.5%	2.0%	2.7%	1.2%	0.0%
>=75	1.6%	0.9%	0.0%	2.0%	1.3%	0.7%	0.0%	0.0%	1.2%	0.0%
Total # of vehicles	439	536	214	302	304	137	149	111	83	103
Average speed	54.6	57.8	51.5	55.8	58.3	52.0	57.0	50.1	57.8	53.1
St. Dev.	9.2	6.5	10.4	9.0	6.4	9.3	6.7	12.5	6.6	7.2
85th percentile	63.0	64.0	61.2	63.1	64.0	61.2	63.1	62.1	64.7	59.9
Min	29.5	32.6	22.8	29.5	32.6	29.5	33.3	22.8	39.1	32.4
Max	84.2	81.2	74.6	84.2	81.2	81.2	72.7	74.6	76.5	68.9
Range	54.7	48.6	51.9	54.7	48.6	51.7	39.4	51.9	37.5	36.5

Table C.8: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Sweeping, Pole 5

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%
25-29	0.3%	0.0%	2.1%	0.0%	0.0%	0.8%	0.0%	4.0%	0.0%	0.0%
30-34	2.3%	0.2%	6.3%	1.1%	0.4%	5.0%	0.0%	10.0%	0.0%	2.2%
35-39	3.8%	0.4%	4.7%	3.9%	0.0%	3.3%	1.5%	7.0%	0.0%	2.2%
40-44	7.8%	1.4%	6.8%	5.7%	1.8%	12.4%	0.0%	5.0%	2.7%	8.7%
45-49	12.8%	6.1%	13.5%	10.4%	5.7%	18.2%	9.1%	13.0%	2.7%	14.1%
50-54	22.8%	20.8%	20.8%	21.9%	19.8%	24.8%	22.0%	18.0%	22.7%	23.9%
55-59	19.8%	32.0%	22.4%	22.6%	30.7%	13.2%	34.1%	13.0%	33.3%	32.6%
60-64	18.8%	28.6%	16.7%	20.8%	31.4%	14.0%	23.5%	18.0%	26.7%	15.2%
65-69	8.0%	6.7%	3.1%	9.0%	5.7%	5.8%	7.6%	5.0%	9.3%	1.1%
70-74	2.5%	2.7%	1.6%	2.9%	3.2%	1.7%	2.3%	3.0%	1.3%	0.0%
>=75	1.5%	1.0%	0.0%	1.8%	1.4%	0.8%	0.0%	0.0%	1.3%	0.0%
Total # of vehicles	400	490	192	279	283	121	132	100	75	92
Average speed	55.0	58.3	51.6	56.3	58.5	52.1	57.8	50.0	58.5	53.4
St. Dev.	9.2	6.2	10.5	8.8	6.3	9.5	5.9	12.8	6.3	6.8
85th percentile	63.1	64.0	61.4	64.0	64.0	61.2	63.1	62.3	65.0	60.2
Min	29.5	32.6	22.8	32.4	32.6	29.5	37.2	22.8	41.0	32.4
Max	84.2	81.2	74.6	84.2	81.2	81.2	72.7	74.6	76.5	67.9
Range	54.7	48.6	51.9	51.9	48.6	51.7	35.5	51.9	35.5	35.5

Table C.9: Hourly Summary of Vehicle Speed for Trucks, I-205, Sweeping, Pole 5

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	2.6%	0.0%	4.5%	4.3%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%
30-34	0.0%	2.2%	4.5%	0.0%	0.0%	0.0%	5.9%	0.0%	0.0%	9.1%
35-39	2.6%	6.5%	0.0%	0.0%	0.0%	6.3%	11.8%	0.0%	12.5%	0.0%
40-44	23.1%	6.5%	9.1%	21.7%	4.8%	25.0%	11.8%	0.0%	0.0%	18.2%
45-49	25.6%	13.0%	22.7%	30.4%	19.0%	18.8%	5.9%	27.3%	12.5%	18.2%
50-54	15.4%	34.8%	18.2%	13.0%	23.8%	18.8%	35.3%	27.3%	62.5%	9.1%
55-59	12.8%	23.9%	31.8%	13.0%	38.1%	12.5%	11.8%	27.3%	12.5%	36.4%
60-64	15.4%	6.5%	4.5%	13.0%	4.8%	18.8%	11.8%	9.1%	0.0%	0.0%
65-69	0.0%	6.5%	4.5%	0.0%	9.5%	0.0%	5.9%	0.0%	0.0%	9.1%
70-74	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	2.6%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	39	46	22	23	21	16	17	11	8	11
Average speed	50.7	52.7	51.0	50.7	55.1	50.5	50.6	51.1	50.9	50.9
St. Dev.	8.9	7.6	9.6	9.4	6.4	8.3	9.1	9.7	5.4	9.9
85th percentile	60.4	59.9	57.8	59.6	59.9	60.0	58.9	56.7	54.4	57.6
Min	29.5	33.3	26.6	29.5	44.8	38.1	33.3	26.6	39.1	34.3
Max	75.1	67.0	68.9	75.1	67.0	64.1	66.0	65.0	56.4	68.9
Range	45.6	33.7	42.3	45.6	22.2	25.9	32.7	38.4	17.3	34.6

Table C.10: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Sweeping, Pole 10

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	21:37-21:59 (without RSS)	21:59-22:20 (Free Flow)	22:20-22:33 (without RSS)	22:33-22:45 (Free Flow)	22:45-22:56 (with RSS)	22:55-23:05 (Free Flow)	23:05-23:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.7%	0.2%	1.0%	0.7%	0.3%	0.7%	0.0%	0.0%	0.0%	2.0%
30-34	0.9%	0.0%	1.5%	1.4%	0.0%	0.0%	0.0%	0.9%	0.0%	2.0%
35-39	2.8%	0.6%	5.8%	3.1%	0.0%	2.2%	1.3%	2.8%	1.2%	9.2%
40-44	7.9%	0.9%	13.6%	7.9%	0.7%	8.0%	1.3%	13.9%	1.2%	13.3%
45-49	15.6%	4.1%	14.1%	13.0%	3.3%	21.0%	4.0%	15.7%	7.2%	12.2%
50-54	19.5%	10.9%	18.0%	17.8%	11.1%	23.2%	9.3%	25.0%	13.3%	10.2%
55-59	26.3%	35.0%	27.7%	29.1%	31.7%	20.3%	39.7%	24.1%	38.6%	31.6%
60-64	15.6%	30.2%	12.1%	16.4%	35.6%	13.8%	23.8%	10.2%	21.7%	14.3%
65-69	8.6%	13.9%	5.3%	9.6%	13.4%	6.5%	15.2%	5.6%	13.3%	5.1%
70-74	2.1%	3.0%	0.5%	1.0%	2.6%	4.3%	4.0%	0.9%	2.4%	0.0%
>=75	0.0%	1.3%	0.5%	0.0%	1.3%	0.0%	1.3%	0.9%	1.2%	0.0%
Total # of vehicles	430	540	206	292	306	138	151	108	83	98
Average speed	54.6	59.7	52.6	54.8	60.1	54.3	59.6	53.1	58.4	52.0
St. Dev.	8.4	6.3	8.8	8.4	5.9	8.3	6.6	8.0	6.8	9.5
85th percentile	62.9	65.4	60.7	62.6	65.2	62.9	66.2	60.4	65.3	60.7
Min	25.1	25.8	25.9	25.1	25.8	29.3	38.5	32.6	38.5	25.9
Max	71.5	79.5	76.3	70.6	79.5	71.5	76.3	76.3	78.9	68.8
Range	46.4	53.7	50.4	45.5	53.7	42.2	37.8	43.7	40.4	42.9

Table C. 11: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Sweeping, Pole 10

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	21:37-21:59 (without RSS)	21:59-22:20 (Free Flow)	22:20-22:33 (without RSS)	22:33-22:45 (Free Flow)	22:45-22:56 (with RSS)	22:55-23:05 (Free Flow)	23:05-23:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.5%	0.2%	1.1%	0.4%	0.4%	0.8%	0.0%	0.0%	0.0%	2.3%
30-34	1.0%	0.0%	0.6%	1.5%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%
35-39	3.1%	0.4%	5.6%	3.4%	0.0%	2.4%	0.7%	1.1%	1.4%	10.3%
40-44	7.5%	0.4%	11.1%	7.2%	0.4%	8.1%	0.0%	10.8%	1.4%	11.5%
45-49	14.7%	2.7%	13.3%	12.8%	1.1%	18.5%	3.7%	14.0%	6.8%	12.6%
50-54	19.5%	9.2%	17.2%	17.7%	10.7%	23.4%	15.2%	25.8%	10.8%	8.0%
55-59	26.5%	36.3%	30.0%	29.1%	33.1%	21.0%	42.2%	26.9%	37.8%	33.3%
60-64	16.7%	31.4%	13.9%	17.7%	36.7%	14.5%	25.2%	11.8%	23.0%	16.1%
65-69	8.5%	14.9%	6.1%	9.4%	13.9%	6.5%	17.0%	6.5%	14.9%	5.7%
70-74	2.1%	3.1%	0.6%	0.8%	2.5%	4.8%	4.4%	1.1%	2.7%	0.0%
>=75	0.0%	1.4%	0.6%	0.0%	1.4%	0.0%	1.5%	1.1%	1.4%	0.0%
Total # of vehicles	389	490	180	265	281	124	135	93	74	87
Average speed	54.8	60.3	53.5	54.9	60.5	54.6	60.6	54.2	58.8	52.7
St. Dev.	8.2	5.9	8.6	8.2	5.6	8.4	6.0	7.8	7.0	9.4
85th percentile	62.9	66.1	61.2	62.2	65.4	62.9	67.1	61.3	65.4	60.8
Min	29.3	25.8	25.9	29.3	25.8	29.3	38.5	32.6	38.5	25.9
Max	71.5	79.5	76.3	70.6	79.5	71.5	76.3	76.3	78.9	68.8
Range	42.2	53.7	50.4	41.3	53.7	42.2	37.8	43.7	40.4	42.9

Table C.12: Hourly Summary of Vehicle Speed for Trucks, I-205, Sweeping, Pole 10

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	21:37-21:59 (without RSS)	21:59-22:20 (Free Flow)	22:20-22:33 (without RSS)	22:33-22:45 (Free Flow)	22:45-22:56 (with RSS)	22:55-23:05 (Free Flow)	23:05-23:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	2.4%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18.2%
35-39	0.0%	2.0%	7.7%	0.0%	0.0%	0.0%	6.3%	13.3%	0.0%	0.0%
40-44	12.2%	6.0%	30.8%	14.8%	4.0%	7.1%	12.5%	33.3%	0.0%	27.3%
45-49	24.4%	18.0%	19.2%	14.8%	28.0%	42.9%	6.3%	26.7%	11.1%	9.1%
50-54	19.5%	28.0%	23.1%	18.5%	16.0%	21.4%	43.8%	20.0%	33.3%	27.3%
55-59	24.4%	22.0%	11.5%	29.6%	16.0%	14.3%	18.8%	16.7%	44.4%	18.2%
60-64	4.9%	18.0%	0.0%	3.7%	24.0%	7.1%	12.5%	0.0%	11.1%	0.0%
65-69	9.8%	4.0%	0.0%	11.1%	8.0%	7.1%	0.0%	0.0%	0.0%	0.0%
70-74	2.4%	2.0%	0.0%	3.7%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	41	50	26	27	25	14	16	15	9	11
Average speed	52.7	54.3	46.2	53.2	56.0	51.7	51.5	46.2	54.8	46.1
St. Dev.	9.3	7.1	7.1	10.3	7.9	7.4	6.7	5.8	3.7	8.9
85th percentile	63.7	61.5	53.8	64.8	64.1	60.0	57.4	51.9	57.8	54.5
Min	25.1	38.5	30.9	25.1	43.5	40.2	38.5	38.5	48.6	30.9
Max	70.5	72.1	57.0	70.5	72.1	65.2	61.2	55.3	60.4	57.0
Range	45.4	33.6	26.1	45.4	28.6	25.0	22.7	16.8	11.8	26.1

Table C.13: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Sweeping, Pole 15

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.5%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	2.1%	0.2%	0.0%	2.7%	0.0%	0.7%	0.7%	0.0%	0.0%	0.0%
35-39	5.9%	0.2%	4.2%	6.4%	0.0%	4.9%	0.0%	4.5%	1.2%	4.0%
40-44	12.1%	0.6%	8.0%	13.9%	0.7%	8.5%	0.7%	9.8%	0.0%	5.9%
45-49	18.9%	6.2%	14.6%	22.3%	5.9%	12.0%	6.0%	16.1%	7.4%	12.9%
50-54	23.7%	17.9%	26.8%	20.9%	17.0%	29.6%	20.8%	18.8%	16.0%	35.6%
55-59	14.8%	24.1%	18.8%	14.2%	27.1%	16.2%	18.1%	20.5%	23.5%	16.8%
60-64	10.3%	23.1%	13.1%	8.4%	23.2%	14.1%	24.2%	15.2%	21.0%	10.9%
65-69	5.3%	10.1%	6.6%	5.1%	7.8%	5.6%	13.4%	8.9%	12.3%	4.0%
70-74	3.0%	10.4%	3.8%	3.0%	11.4%	2.8%	9.4%	1.8%	8.6%	5.9%
>=75	3.4%	7.3%	4.2%	2.4%	6.9%	5.6%	6.7%	4.5%	9.9%	4.0%
Total # of vehicles	438	536	213	296	306	142	149	112	81	101
Average speed	52.9	61.2	55.4	51.8	61.3	55.1	60.9	55.4	61.8	55.4
St. Dev.	10.4	9.0	9.6	10.2	8.7	10.3	8.9	10.0	10.1	9.3
85th percentile	62.9	71.1	65.0	62.7	71.1	63.2	70.1	65.2	71.9	65.0
Min	25.3	31.6	35.2	25.3	42.3	31.6	31.6	35.2	36.2	36.1
Max	92.9	93.7	86.2	86.8	93.7	92.9	86.8	86.2	93.7	85.0
Range	67.5	62.2	51.0	61.4	51.4	61.3	55.2	51.0	57.5	49.0

Table C.14: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Sweeping, Pole 15

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.3%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.8%	0.2%	0.0%	2.2%	0.0%	0.8%	0.8%	0.0%	0.0%	0.0%
35-39	5.3%	0.2%	3.7%	5.9%	0.0%	4.0%	0.0%	3.1%	1.5%	4.3%
40-44	12.2%	0.4%	7.4%	13.8%	0.7%	8.7%	0.0%	9.4%	0.0%	5.4%
45-49	18.5%	5.0%	13.2%	21.9%	15.4%	11.1%	3.8%	14.6%	15.9%	11.8%
50-54	24.3%	16.2%	27.0%	21.2%	15.5%	31.0%	19.8%	19.8%	11.8%	34.4%
55-59	15.7%	25.4%	20.1%	15.6%	28.9%	15.9%	18.3%	22.9%	25.0%	17.2%
60-64	11.1%	25.2%	14.8%	9.3%	24.5%	15.1%	27.5%	17.7%	23.5%	11.8%
65-69	5.6%	10.1%	6.3%	5.2%	7.2%	6.3%	13.7%	8.3%	14.7%	4.3%
70-74	2.5%	10.7%	4.2%	3.0%	11.9%	1.6%	9.2%	2.1%	8.8%	6.5%
>=75	2.8%	6.5%	3.2%	1.5%	15.8%	5.6%	6.9%	2.1%	8.8%	4.3%
Total # of vehicles	395	476	189	269	277	126	131	96	68	93
Average speed	53.0	61.4	55.6	52.1	61.1	55.1	61.4	55.3	62.3	55.8
St. Dev.	9.8	8.5	9.2	9.7	8.2	9.8	8.4	9.0	9.9	9.5
85th percentile	62.8	71.0	65.0	62.0	71.1	63.2	70.1	65.0	71.9	65.3
Min	25.3	31.6	35.2	25.3	42.3	31.6	31.6	35.2	36.2	36.1
Max	87.6	93.7	85.0	86.8	89.4	87.6	83.3	82.4	93.7	85.0
Range	62.3	62.2	49.9	61.4	47.1	56.1	51.7	47.2	57.5	49.0

Table C.15: Hourly Summary of Vehicle Speed for Trucks, I-205, Sweeping, Pole 15

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	2.3%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	4.7%	0.0%	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	11.6%	0.0%	8.3%	11.1%	0.0%	12.5%	0.0%	12.5%	0.0%	0.0%
40-44	11.6%	1.7%	12.5%	14.8%	0.0%	6.3%	5.6%	12.5%	0.0%	12.5%
45-49	23.3%	15.0%	25.0%	25.9%	10.3%	18.8%	22.2%	25.0%	15.4%	25.0%
50-54	18.6%	31.7%	25.0%	18.5%	31.0%	18.8%	27.8%	12.5%	38.5%	50.0%
55-59	7.0%	13.3%	8.3%	0.0%	10.3%	18.8%	16.7%	6.3%	15.4%	12.5%
60-64	2.3%	6.7%	0.0%	0.0%	10.3%	6.3%	0.0%	0.0%	7.7%	0.0%
65-69	2.3%	10.0%	8.3%	3.7%	13.8%	0.0%	11.1%	12.5%	0.0%	0.0%
70-74	7.0%	8.3%	0.0%	3.7%	6.9%	12.5%	11.1%	0.0%	7.7%	0.0%
>=75	9.3%	13.3%	12.5%	11.1%	17.2%	6.3%	5.6%	18.8%	15.4%	0.0%
Total # of vehicles	43	60	24	27	29	16	18	16	13	8
Average speed	51.7	60.2	54.0	49.5	62.7	55.4	57.3	55.7	58.8	50.8
St. Dev.	14.3	12.2	12.6	14.1	12.9	14.5	11.8	14.9	10.9	4.7
85th percentile	68.9	73.7	66.8	66.3	75.8	68.2	70.3	73.5	72.1	54.8
Min	29.8	44.1	36.1	29.8	45.0	36.1	44.1	36.1	45.9	43.2
Max	92.9	93.7	86.2	82.4	93.7	92.9	86.8	86.2	80.7	55.7
Range	63.1	49.6	50.1	52.6	48.7	56.8	42.7	50.1	34.8	12.5

Table C.16: Hourly Summary of Vehicle Speed for All Vehicles, I-205, Sweeping, Pole 20

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	1.2%	0.0%
25-29	0.2%	0.6%	0.5%	0.0%	0.3%	0.7%	0.7%	0.0%	1.2%	1.0%
30-34	0.0%	0.2%	0.5%	0.0%	0.3%	0.0%	0.0%	0.9%	0.0%	0.0%
35-39	1.6%	0.6%	1.4%	1.7%	0.3%	1.4%	0.0%	0.9%	2.4%	2.0%
40-44	2.7%	0.6%	3.8%	2.4%	0.7%	3.5%	0.7%	5.4%	0.0%	2.0%
45-49	8.9%	4.3%	10.8%	9.4%	5.3%	7.7%	3.4%	14.3%	2.4%	7.0%
50-54	22.3%	15.9%	18.9%	19.9%	17.1%	27.5%	15.6%	21.4%	11.9%	16.0%
55-59	25.5%	27.3%	25.5%	27.3%	28.0%	21.8%	29.3%	22.3%	21.4%	29.0%
60-64	20.7%	26.2%	19.3%	22.6%	26.0%	16.9%	23.1%	17.0%	32.1%	22.0%
65-69	10.0%	13.5%	12.3%	10.4%	12.8%	9.2%	13.6%	11.6%	15.5%	13.0%
70-74	4.8%	4.3%	2.8%	4.4%	3.3%	5.6%	4.8%	3.6%	7.1%	2.0%
>=75	3.2%	6.2%	4.2%	2.0%	5.9%	5.6%	7.5%	2.7%	4.8%	6.0%
Total # of vehicles	439	535	212	297	304	142	147	112	84	100
Average speed	58.4	60.6	58.1	58.3	60.3	58.5	60.9	57.0	61.1	59.4
St. Dev.	8.2	9.0	9.1	7.6	8.2	9.5	9.7	8.9	10.2	9.2
85th percentile	66.3	68.2	66.3	65.8	67.4	67.3	69.5	66.3	68.6	66.5
Min	28.3	20.9	27.2	35.7	25.1	28.3	20.9	32.5	24.0	27.2
Max	90.7	89.7	89.7	79.4	88.9	90.7	89.7	79.4	89.7	89.7
Range	62.4	68.9	62.5	43.7	63.8	62.4	68.9	46.9	65.7	62.5

Table C.17: Hourly Summary of Vehicle Speed for Passenger Cars, I-205, Sweeping, Pole 20

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%
25-29	0.3%	0.2%	0.5%	0.0%	0.0%	0.8%	0.8%	0.0%	0.0%	1.1%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	1.3%	0.6%	1.6%	1.9%	0.4%	0.0%	0.0%	1.0%	2.9%	2.2%
40-44	2.3%	0.6%	4.2%	1.5%	0.7%	4.1%	0.8%	6.1%	0.0%	2.2%
45-49	8.7%	3.9%	10.5%	8.9%	5.1%	8.2%	2.4%	13.1%	1.4%	7.6%
50-54	22.4%	15.3%	17.8%	19.3%	17.2%	29.5%	13.8%	21.2%	10.1%	14.1%
55-59	27.0%	28.2%	27.2%	28.9%	29.3%	23.0%	30.1%	24.2%	20.3%	30.4%
60-64	20.4%	28.2%	19.4%	22.6%	27.1%	15.6%	26.0%	16.2%	36.2%	22.8%
65-69	10.2%	13.1%	12.6%	10.7%	11.7%	9.0%	13.8%	12.1%	17.4%	13.0%
70-74	5.1%	4.5%	3.1%	4.4%	3.7%	6.6%	4.9%	4.0%	17.2%	2.2%
>=75	2.3%	5.2%	3.1%	1.9%	4.8%	3.3%	6.5%	2.0%	4.3%	4.3%
Total # of vehicles	392	465	191	270	273	122	123	99	69	92
Average speed	58.4	60.7	58.1	58.5	60.2	58.0	61.2	57.2	62.3	59.1
St. Dev.	7.8	8.0	8.8	7.4	7.4	8.5	8.9	8.4	8.6	9.0
85th percentile	66.0	67.7	66.3	65.8	66.7	66.5	68.2	66.3	68.8	65.6
Min	28.3	20.9	27.2	35.7	36.7	28.3	20.9	38.8	37.8	27.2
Max	79.4	89.7	89.7	79.4	88.9	79.4	85.7	79.4	89.7	89.7
Range	51.1	68.9	62.5	43.7	52.2	51.1	64.9	40.5	52.0	62.5

Table C.18: Hourly Summary of Vehicle Speed for Trucks, I-205, Sweeping, Pole 20

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	9:37-9:59 (without RSS)	9:59-10:20 (Free Flow)	10:20-10:33 (without RSS)	10:33-10:45 (Free Flow)	10:45-10:56 (with RSS)	10:55-11:05 (Free Flow)	11:05-11:17 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	6.7%	0.0%
25-29	0.0%	2.9%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	6.7%	0.0%
30-34	0.0%	1.4%	4.8%	0.0%	3.2%	0.0%	0.0%	7.7%	0.0%	0.0%
35-39	4.3%	0.0%	0.0%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%
40-44	6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
45-49	10.6%	7.1%	14.3%	14.8%	6.5%	5.0%	8.3%	23.1%	6.7%	0.0%
50-54	21.3%	20.0%	28.6%	25.9%	16.1%	15.0%	25.0%	23.1%	20.0%	37.5%
55-59	12.8%	21.4%	9.5%	11.1%	16.1%	15.0%	25.0%	7.7%	26.7%	12.5%
60-64	23.4%	12.9%	19.0%	22.2%	16.1%	25.0%	8.3%	23.1%	13.3%	12.5%
65-69	8.5%	15.7%	9.5%	7.4%	22.6%	10.0%	12.5%	7.7%	6.7%	12.5%
70-74	2.1%	2.9%	0.0%	3.7%	0.0%	0.0%	4.2%	0.0%	6.7%	0.0%
>=75	10.6%	12.9%	14.3%	3.7%	16.1%	20.0%	12.5%	7.7%	6.7%	25.0%
Total # of vehicles	47	70	21	27	31	20	24	13	15	8
Average speed	58.7	59.5	58.3	56.3	61.4	61.9	59.3	55.5	55.9	62.9
St. Dev.	11.5	13.7	11.8	9.1	13.5	13.8	13.3	11.9	14.8	10.7
85th percentile	68.6	70.3	69.8	64.6	73.0	77.1	70.2	65.3	66.8	76.6
Min	37.8	23.0	32.5	41.0	25.1	37.8	23.0	32.5	24.0	52.6
Max	90.7	89.7	79.4	77.0	88.1	90.7	89.7	79.4	82.5	77.8
Range	52.9	66.8	46.9	36.0	63.0	52.9	66.8	46.9	58.5	25.2

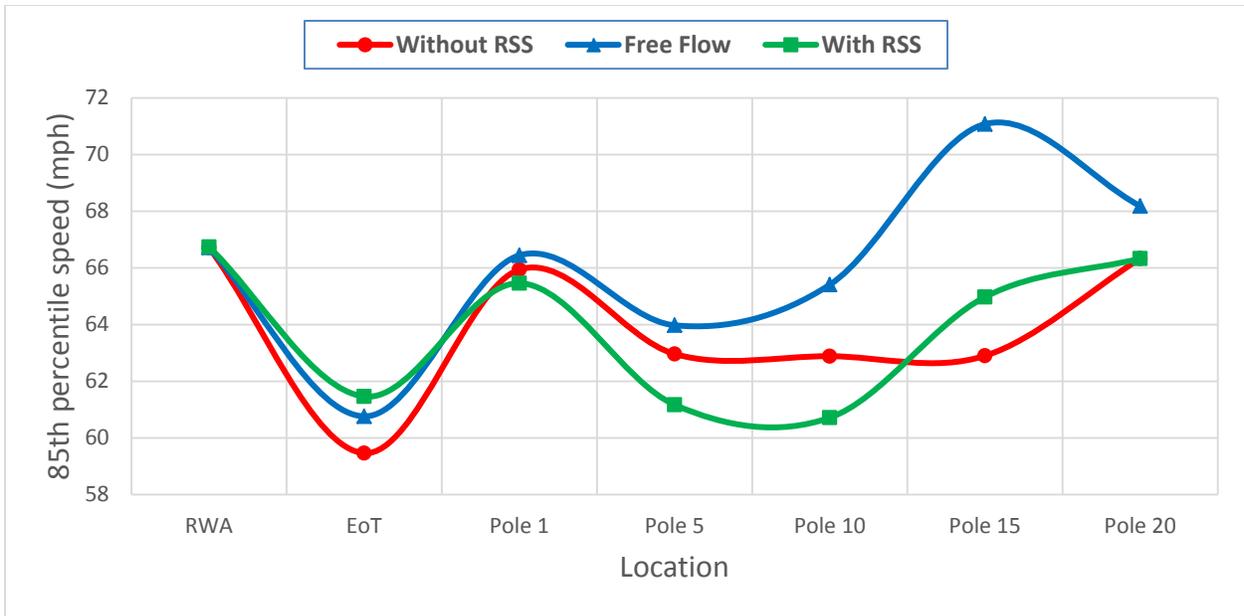


Figure C.2: Vehicle Speed (85th percentile) at Different Locations for All Vehicles during Operation Time, I-205, Sweeping

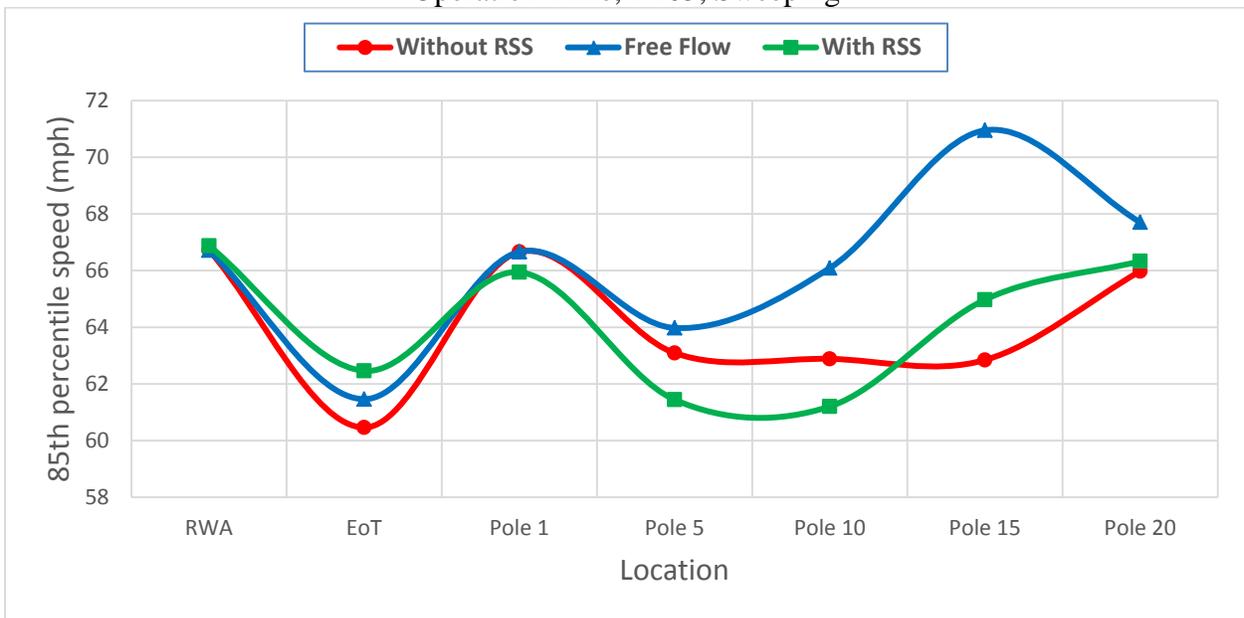


Figure C. 3: Vehicle Speed (85th percentile) at Different Locations for Passenger Cars during Operation Time, I-205, Sweeping

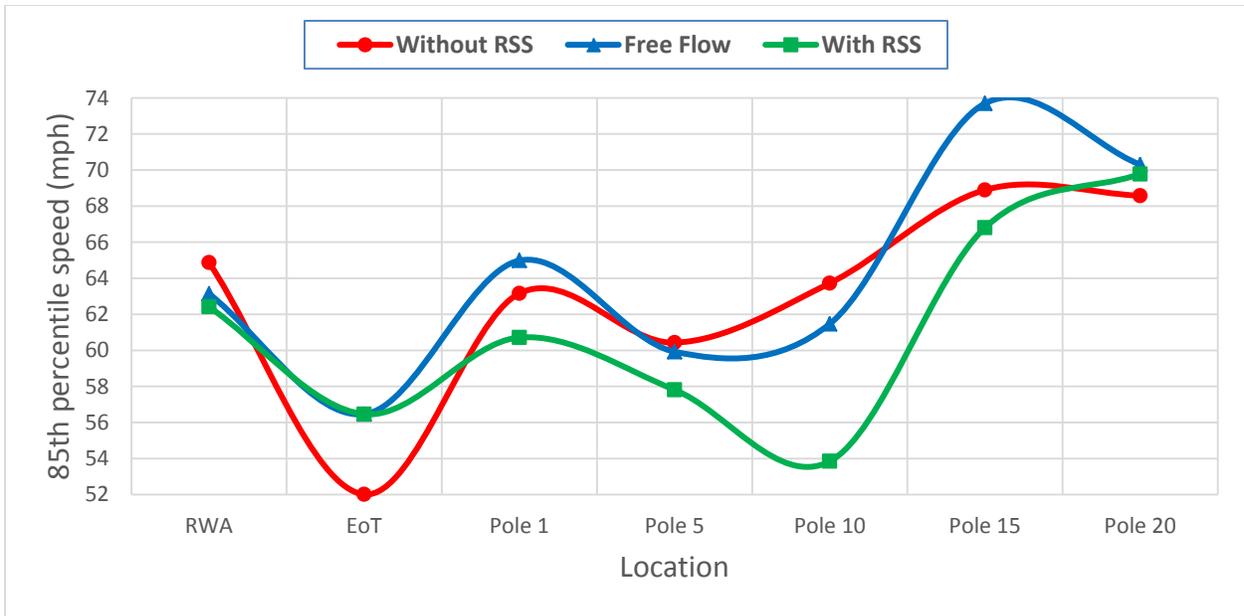


Figure C.4: Vehicle Speed (85th percentile) at Different Locations for Trucks during Operation Time, I-205, Sweeping

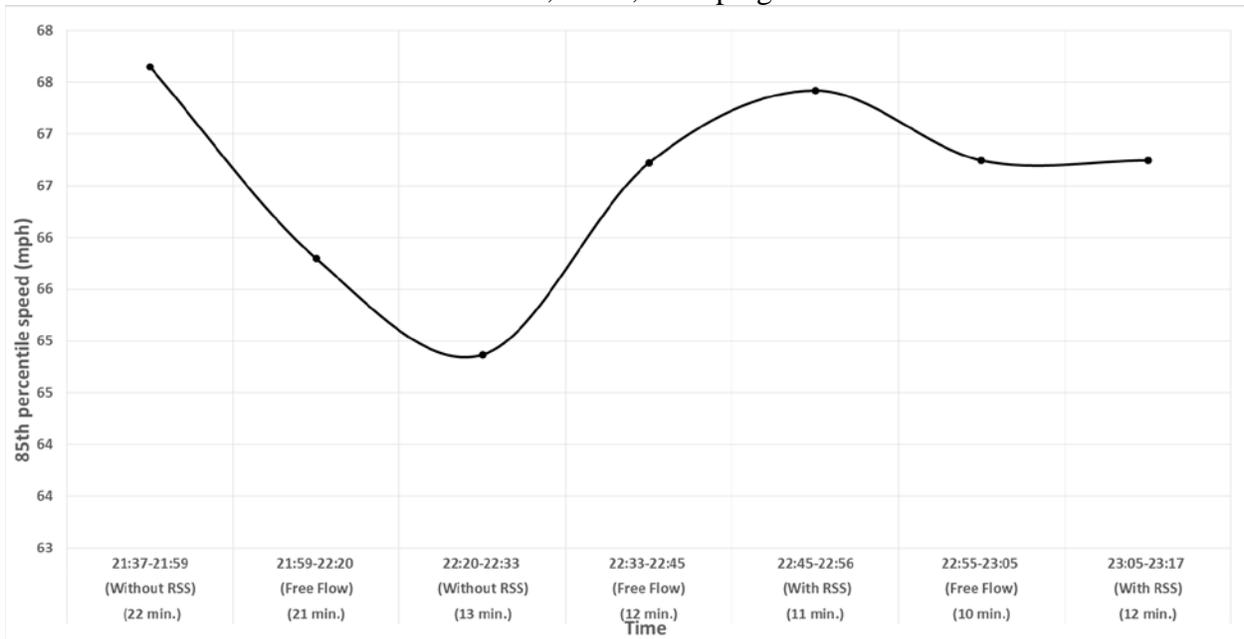


Figure C.5: Vehicle Speed (85th Percentile) at RWA during Operation Time, I-205, Sweeping

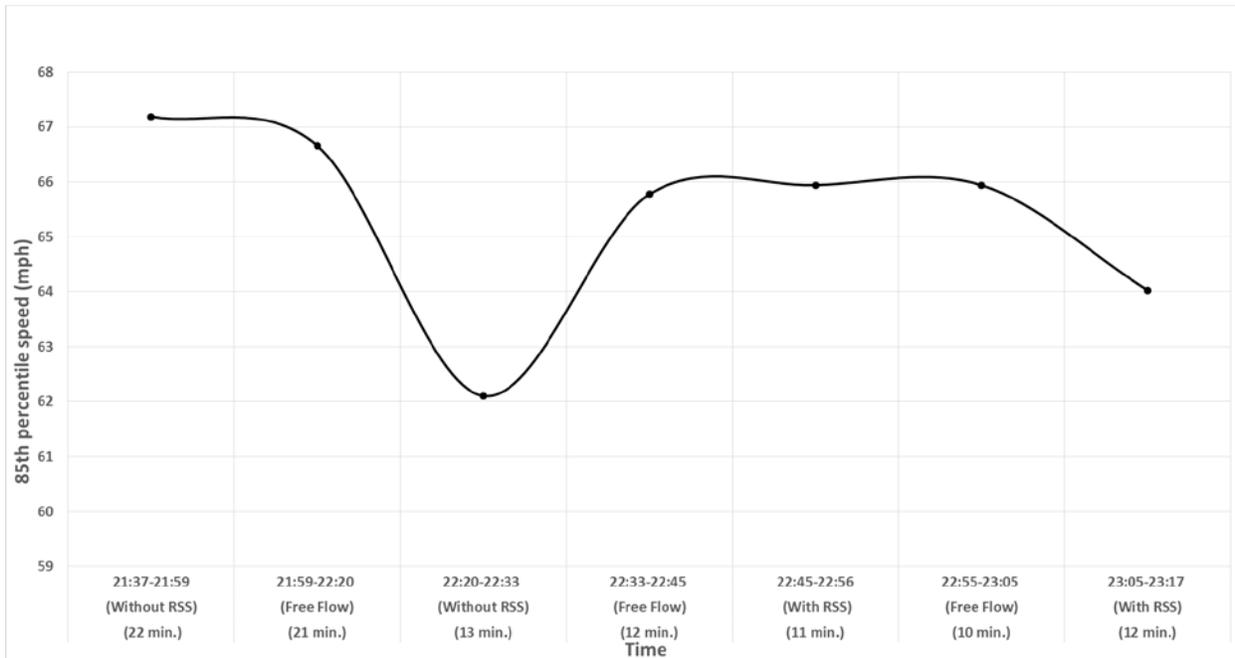


Figure C.6: Vehicle Speed (85th Percentile) at Pole 1 during Operation Time, I-205, Sweeping

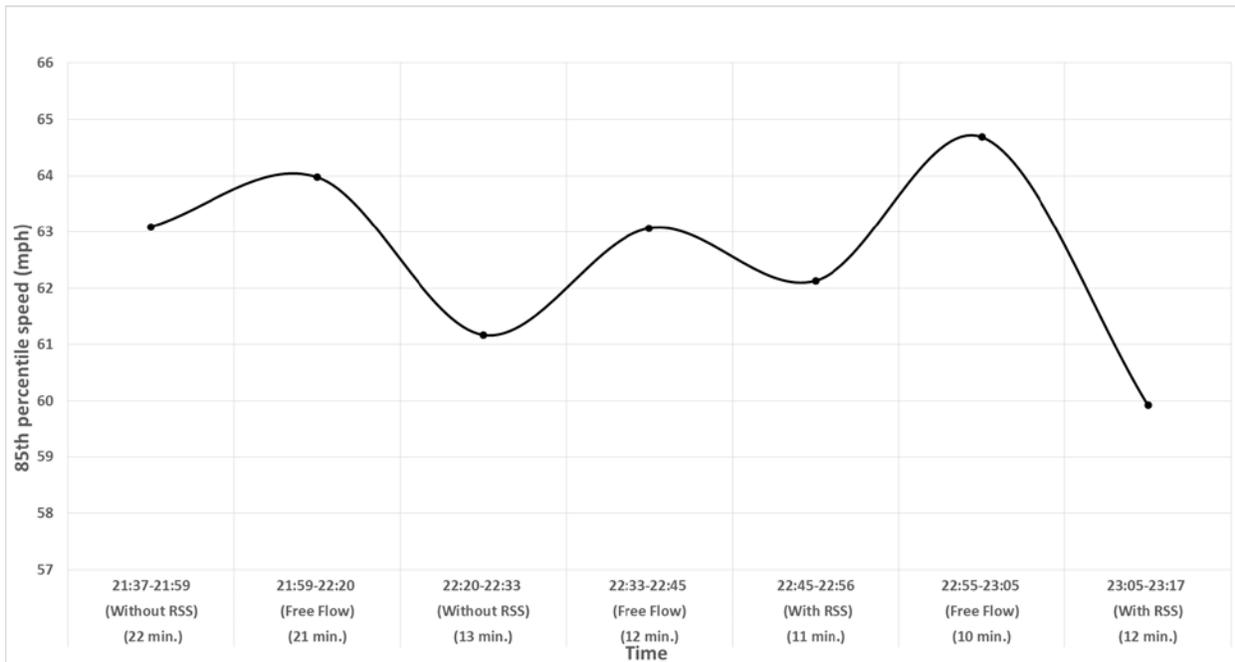


Figure C.7: Vehicle Speed (85th Percentile) at Pole 5 during Operation Time, I-205, Sweeping

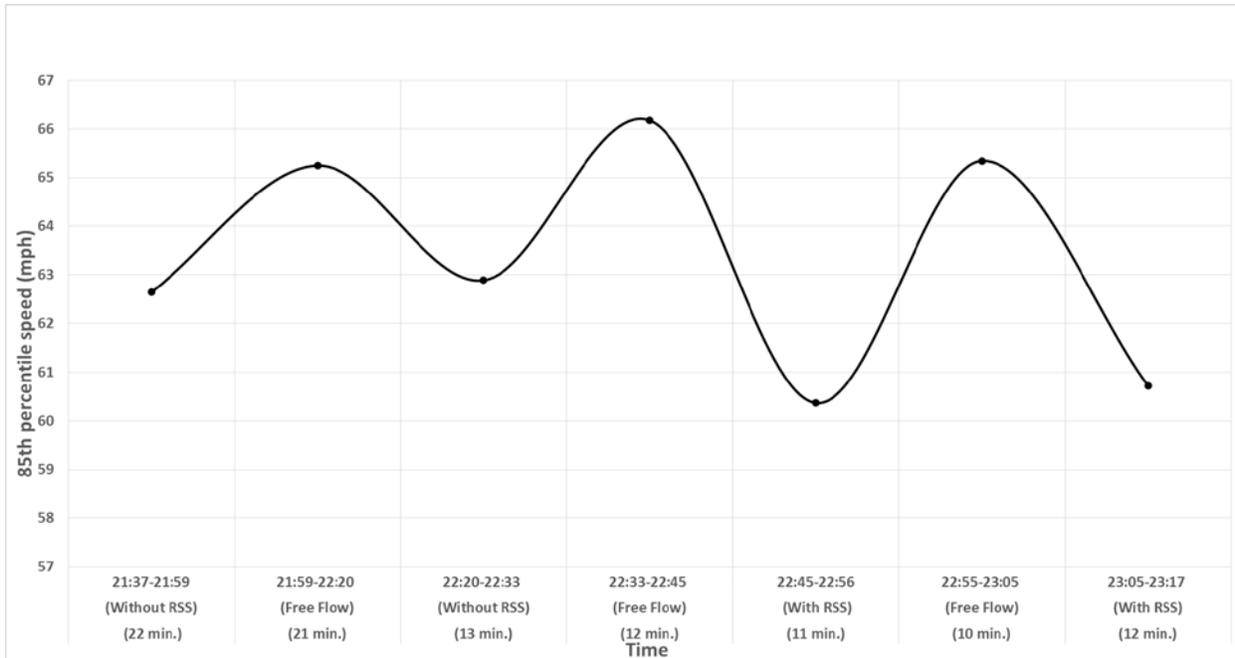


Figure C.8: Vehicle Speed (85th Percentile) at Pole 10 during Operation Time, I-205, Sweeping

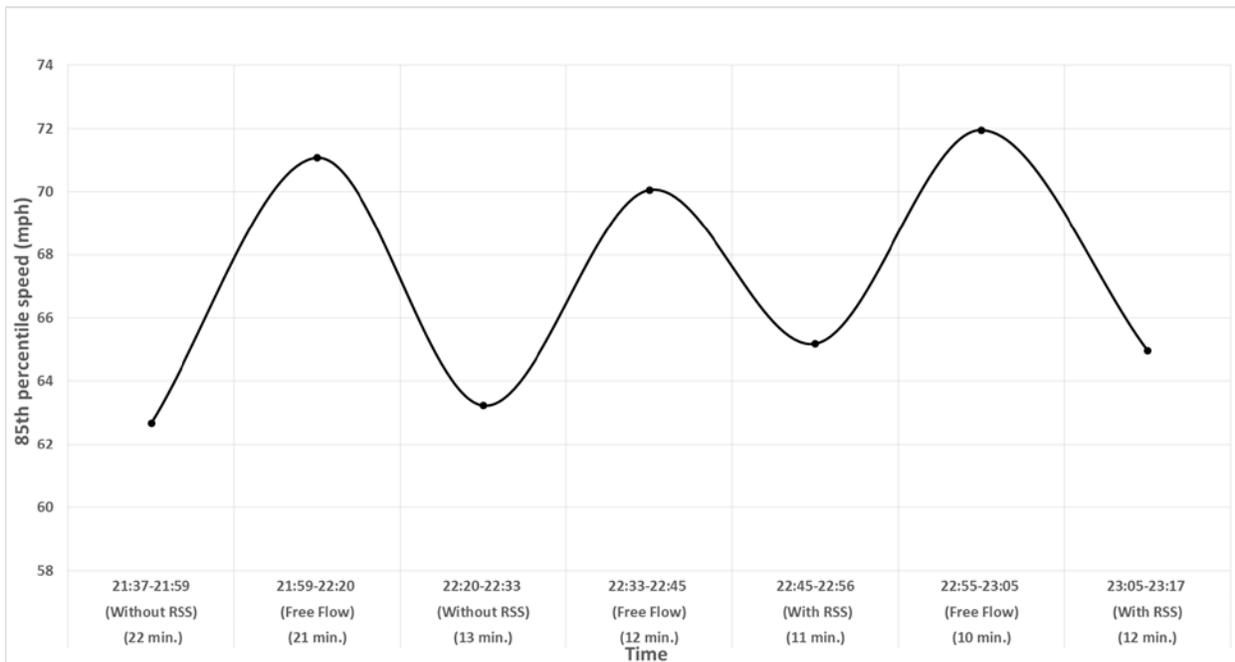


Figure C.9: Vehicle Speed (85th Percentile) at Pole 15 during Operation Time, I-205, Sweeping

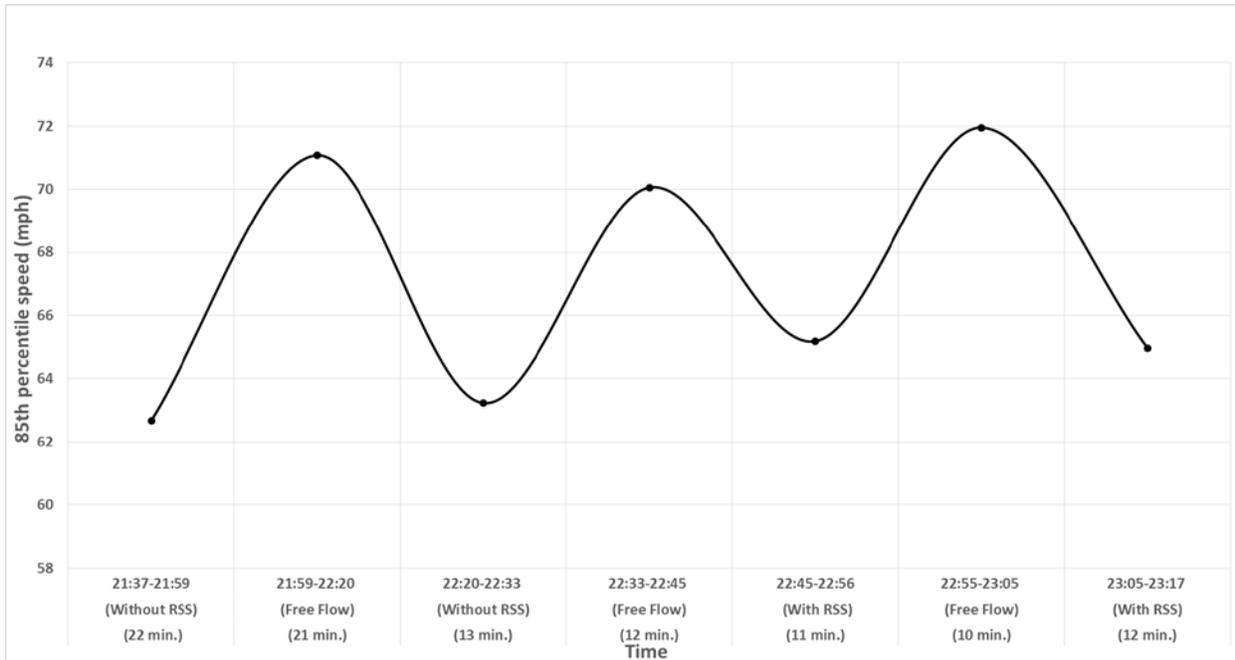


Figure C.10: Vehicle Speed (85th Percentile) at Pole 20 during Operation Time, I-205, Sweeping

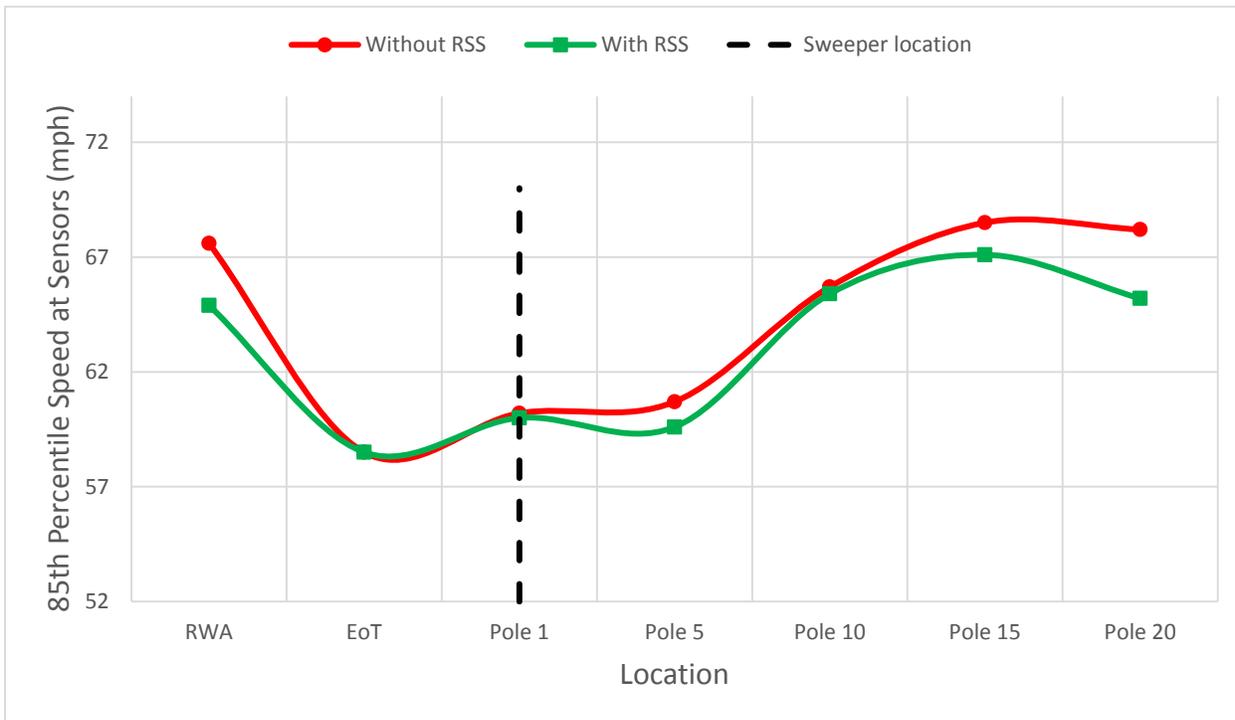


Figure C.11: 85th Percentile Speed at Different Distances from the Operation, I-205, Sweeping, Pole 1

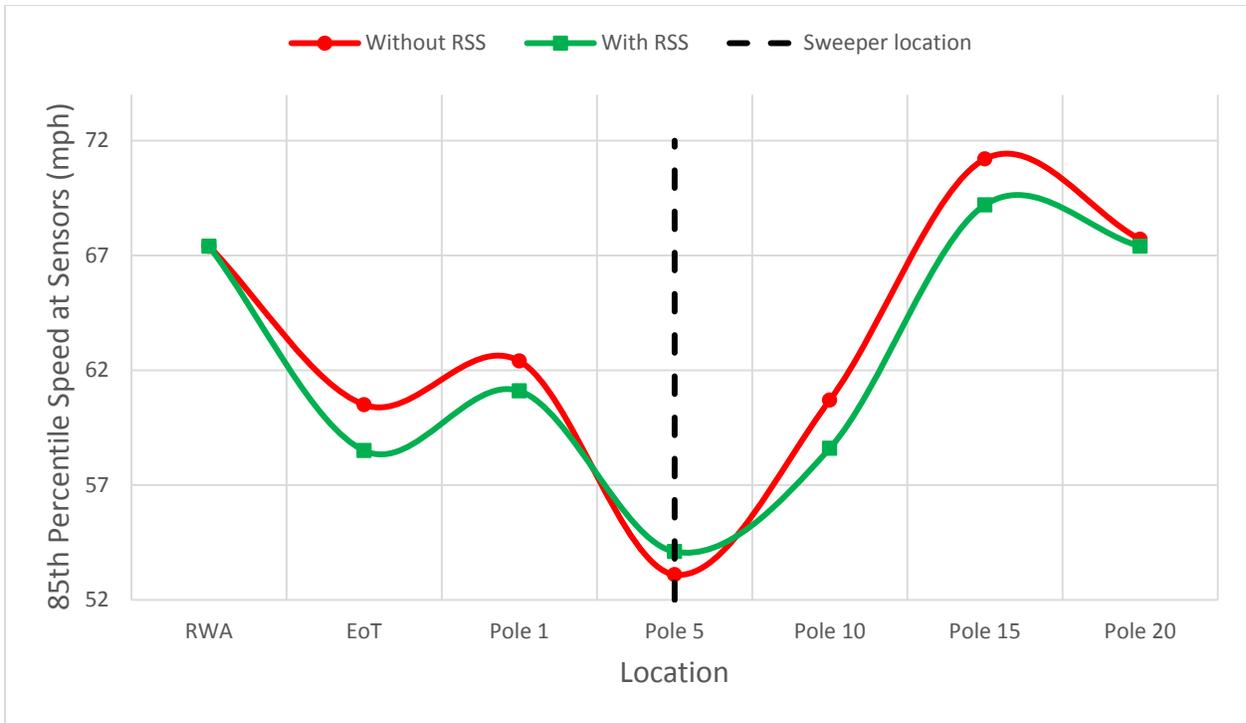


Figure C.12: 85th Percentile Speed at Different Distances from the Operation, I-205, Sweeping, Pole 5

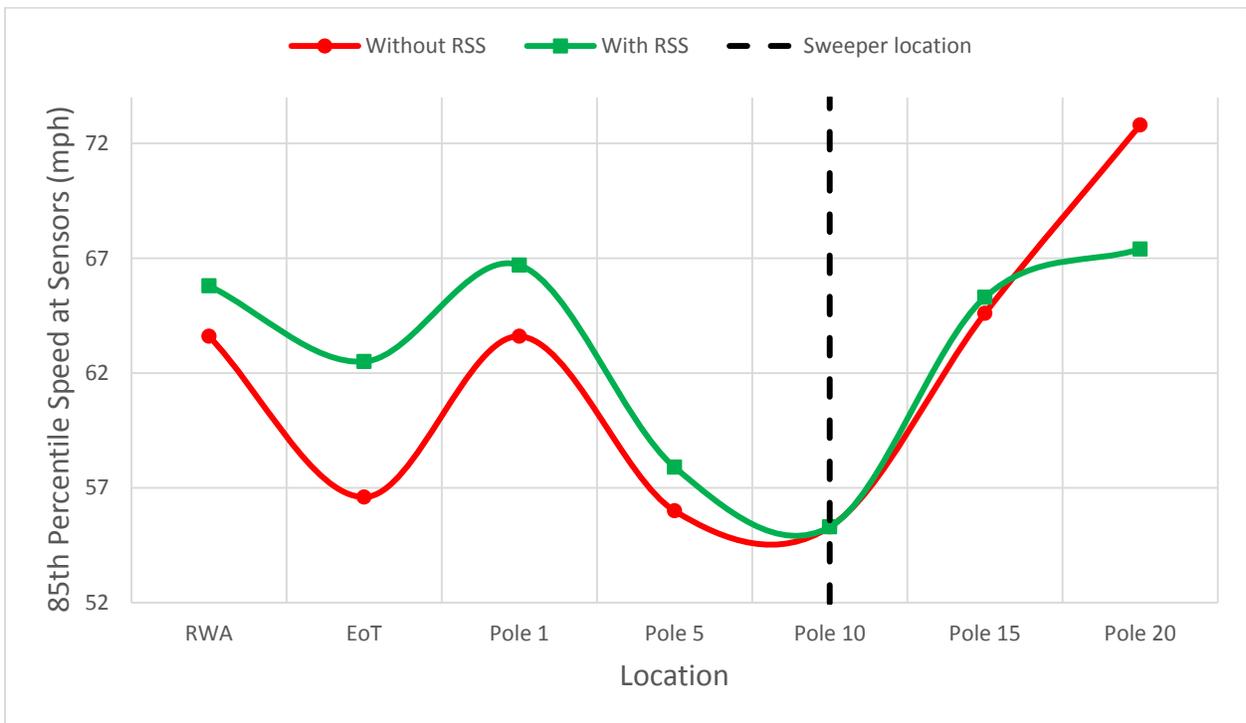


Figure C.13: 85th Percentile Speed at Different Distances from the Operation, I-205, Sweeping, Pole 10

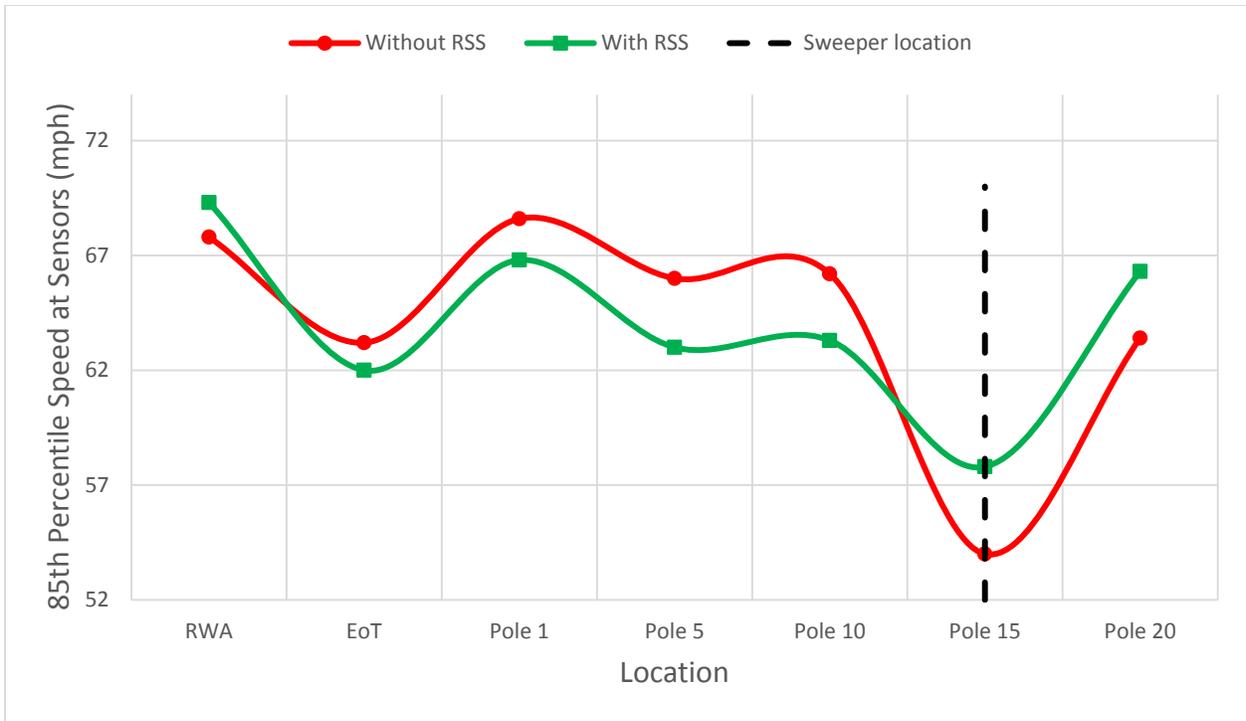


Figure C.14: 85th Percentile Speed at Different Distances from the Operation, I-205, Sweeping, Pole 15

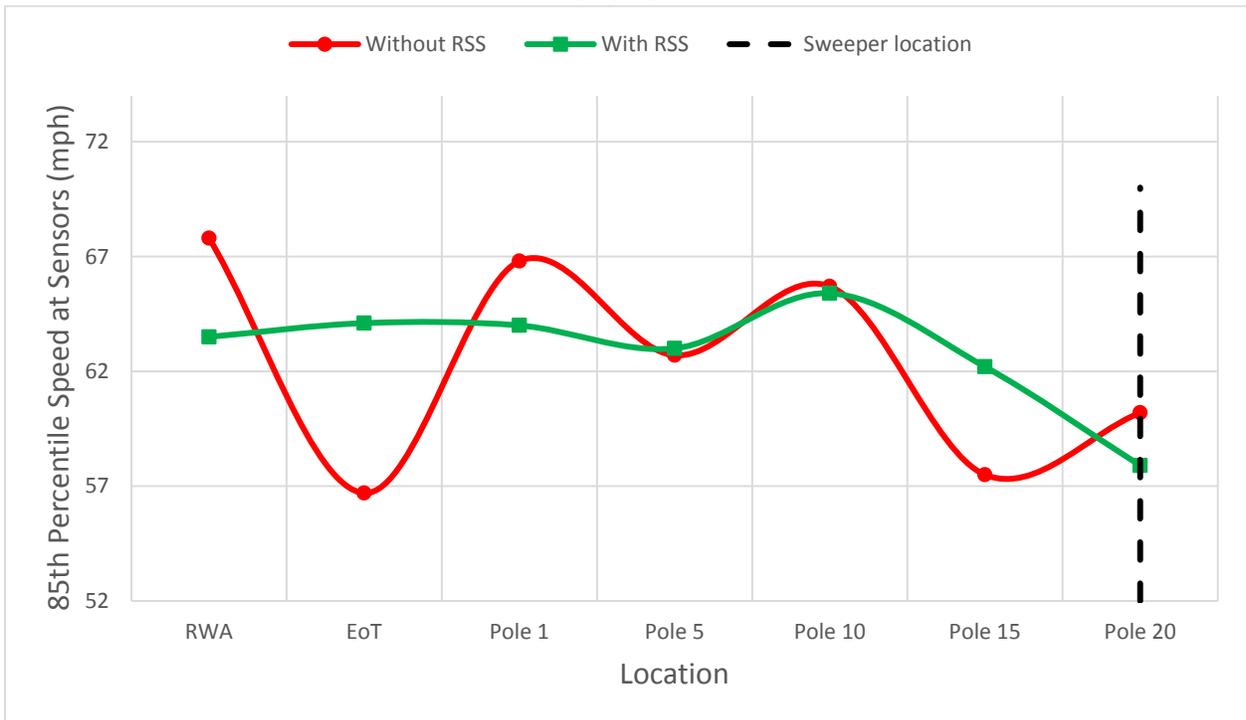


Figure C.15: 85th Percentile Speed at Different Distances from the Operation, I-205, Sweeping, Pole 20

Table C.19: Percentage of Vehicle Speed Decrease in the Work Zone Area, I-205, Sweeping

Type of vehicle	Mean Speed (mph) without RSS at RWA	Mean Speed (mph) without RSS at WZ	Decrease in mean speed (%) without RSS	Mean Speed (mph) with RSS at RWA	Mean Speed (mph) with RSS at WZ	Decrease in mean speed (%) with RSS
All Vehicles	60.3	55.7	7.63%	61.6	54.2	12%
Passenger	60.6	56.1	7.43%	61.4	54.4	11%
Trucks	56.8	54.5	4.05%	59.4	52.4	12%

Table C.20: Effect of Radar Speed Sign on Vehicle Speed, I-205, Sweeping

Type of vehicle	Mean Speed (mph) without RSS	Mean Speed (mph) with RSS	Difference in mean speed (mph)	p-value
All Vehicles	55.57	54.78	0.79	0.0290
Passenger Cars	55.79	55.08	0.71	0.0579
Trucks	53.57	52.42	1.15	0.3604

Table C.21: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-205, Sweeping, RWA

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	359	66.73	60.6	7.1	33	64.87	56.8	7.0	392	60.26	66.7	7.1
With RSS	160	66.88	61.4	7.8	18	62.42	59.4	6.9	178	61.15	66.7	7.7

Table C.22: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-205, Sweeping, Pole 1

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	408	66.66	57.68	9.1	47	63.16	53.34	8.9	455	65.94	57.23	9.2
With RSS	180	65.94	56.60	11.9	24	60.71	53.71	8.6	204	65.46	56.26	11.6

Table C.23: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-205, Sweeping, Pole 5

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	400	63.09	55.01	9.2	39	60.43	50.65	8.9	439	62.96	54.63	9.2
With RSS	192	61.44	51.60	10.5	22	57.81	51.01	9.6	214	61.17	51.54	10.4

Table C.24: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-205, Sweeping, Pole 10

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	389	62.89	54.8	8.2	41	63.73	52.7	9.3	430	62.89	54.6	8.4
With RSS	180	61.20	53.5	8.6	26	53.85	46.2	7.1	206	60.72	52.6	8.8

Table C.25: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-205, Sweeping, Pole 15

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	395	62.85	53.04	9.8	43	68.90	51.68	14.3	438	62.90	52.91	10.4
With RSS	189	64.97	55.57	9.2	24	66.80	54.05	12.6	213	64.97	55.40	9.6

Table C.26: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-205, Sweeping, Pole 20

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	392	65.98	58.35	7.8	47	68.58	58.71	11.5	439	66.33	58.39	8.2
With RSS	181	66.33	58.13	8.8	21	69.78	58.29	11.8	212	66.33	58.14	9.1

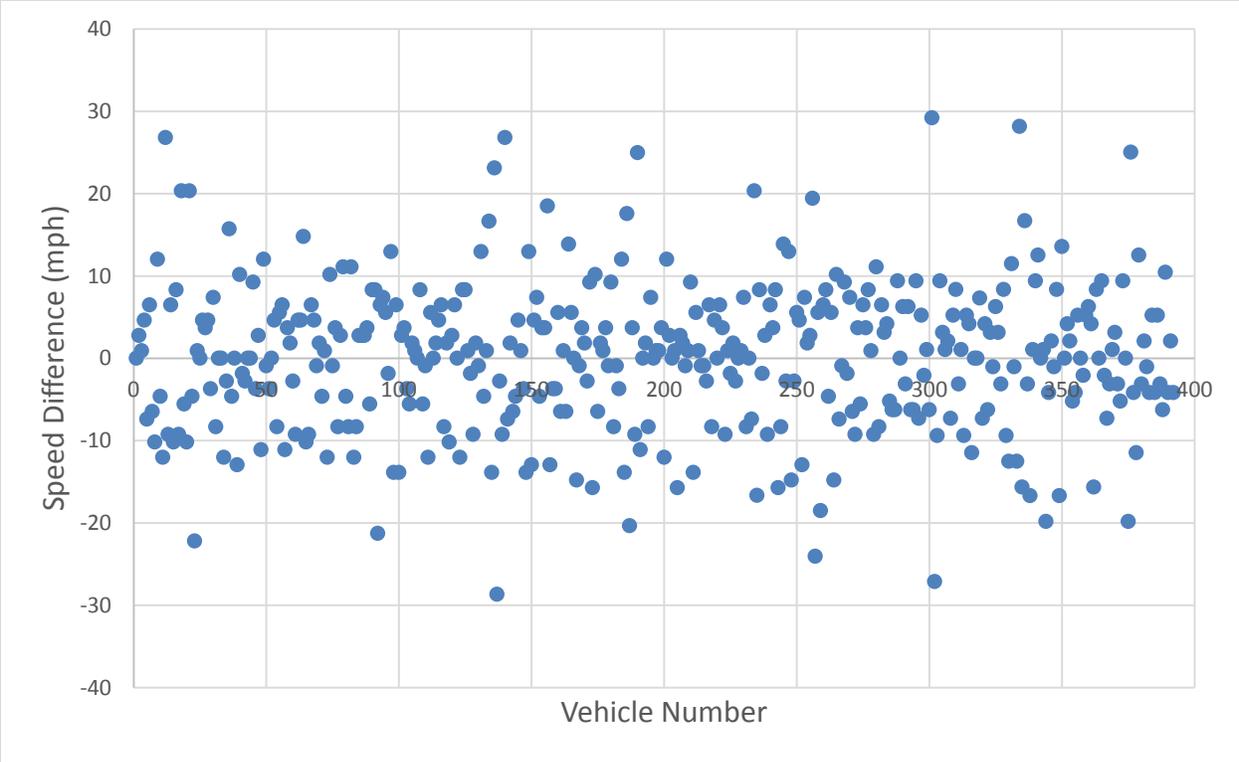


Figure C.16: Speed Difference, I-205, Sweeping, Without RSS, RWA

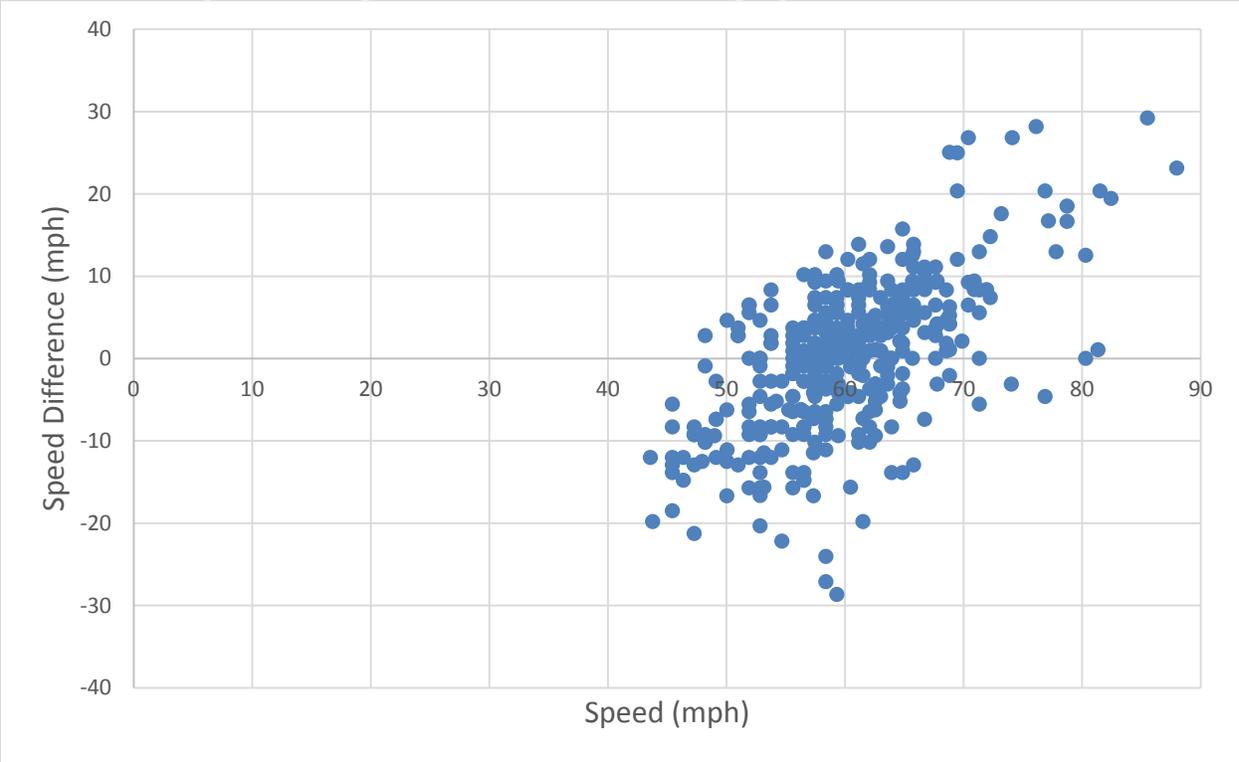


Figure C.17: Speed Difference vs. Vehicle Speed, I-205, Sweeping, Without RSS, RWA

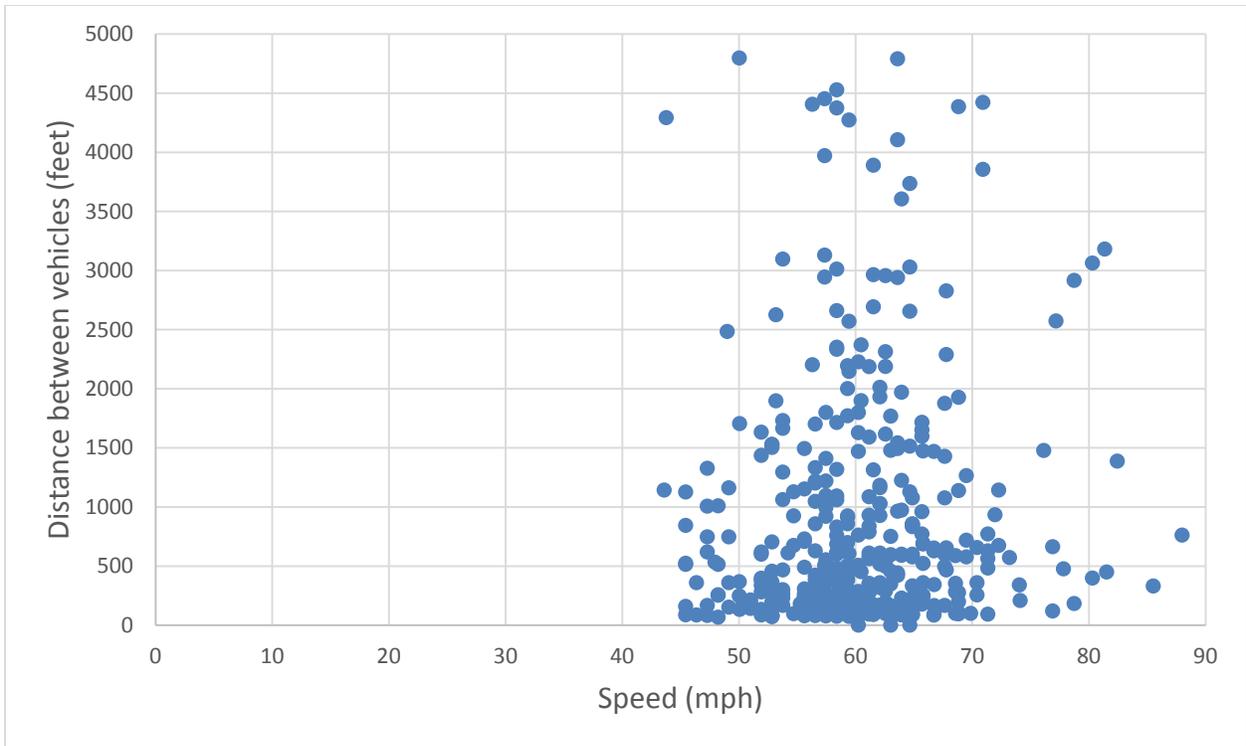


Figure C.18: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, RWA

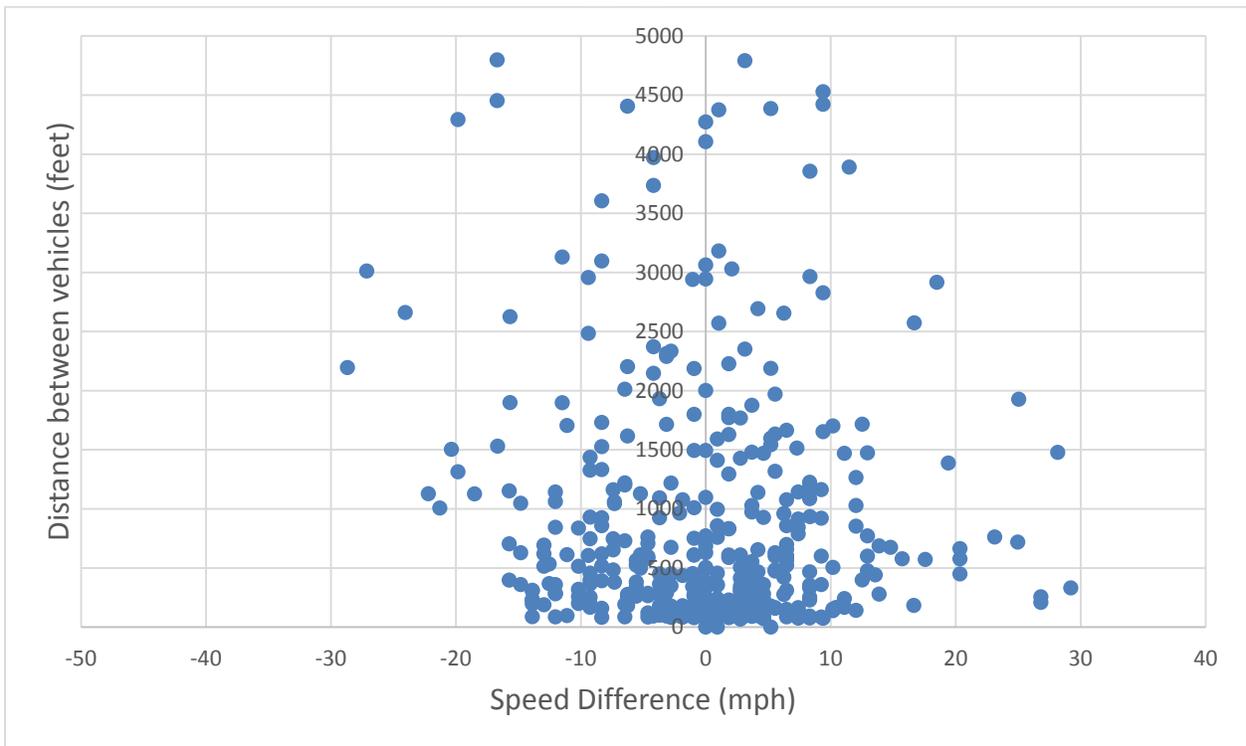


Figure C.19: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, RWA

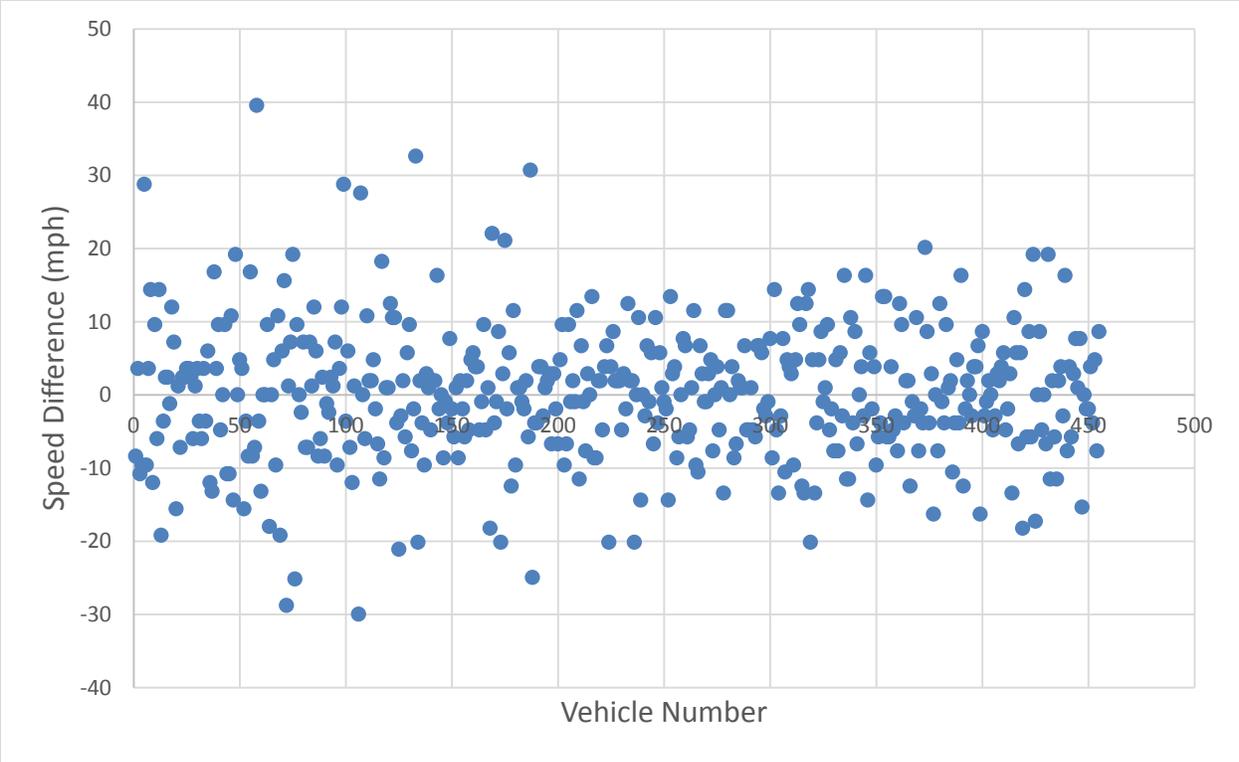


Figure C.20: Speed Difference, I-205, Sweeping, Without RSS, Pole 1

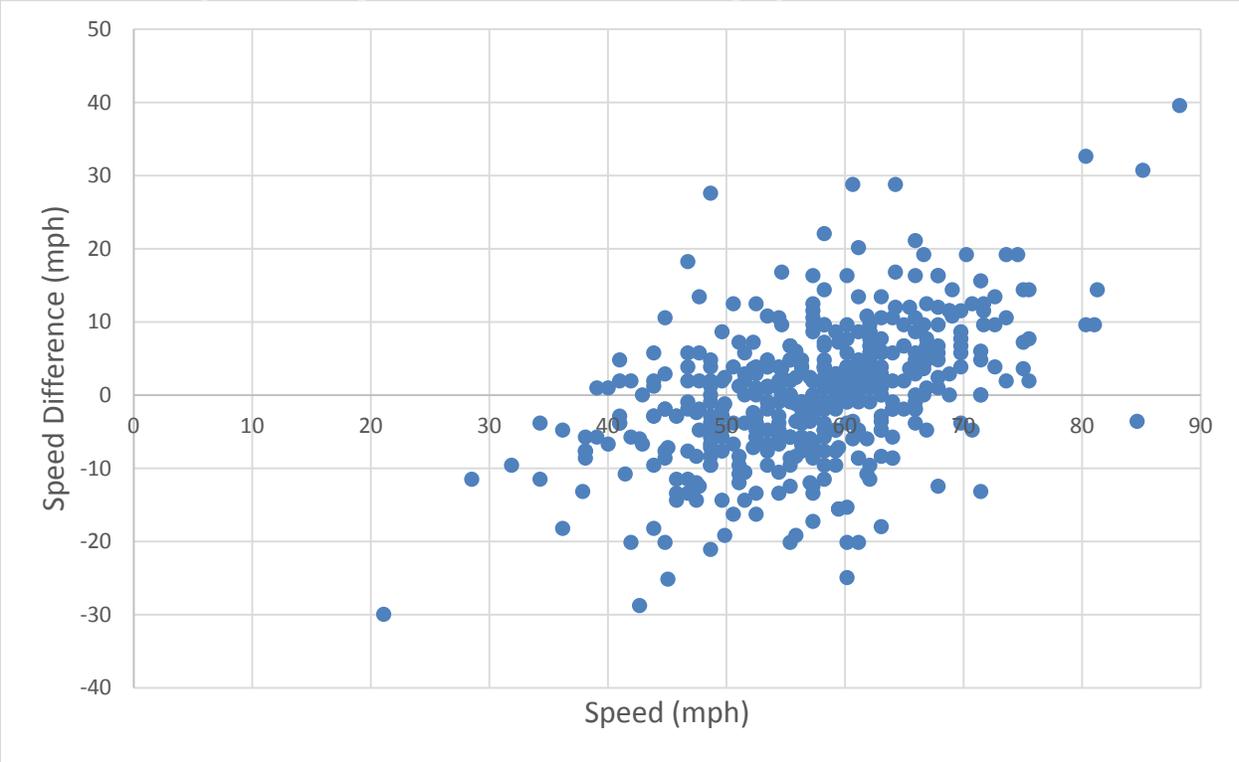


Figure C.21: Speed Difference vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 1

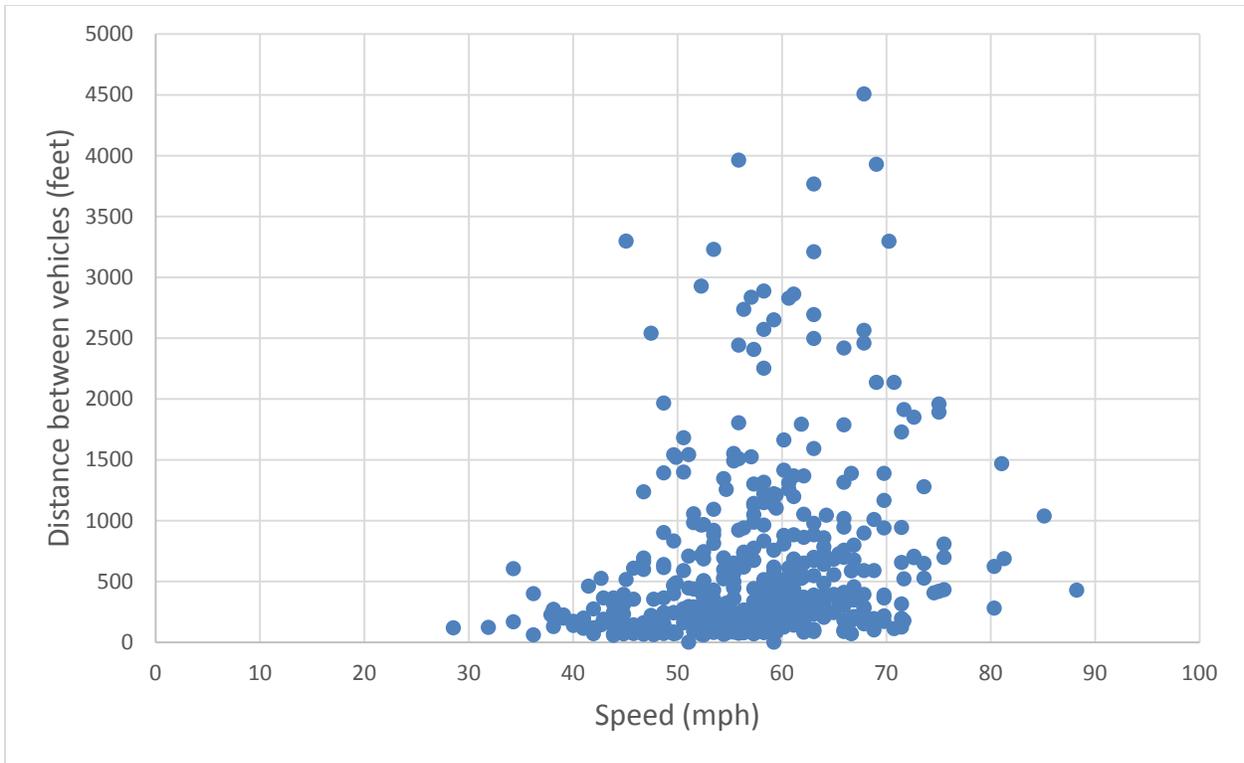


Figure C.22: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 1

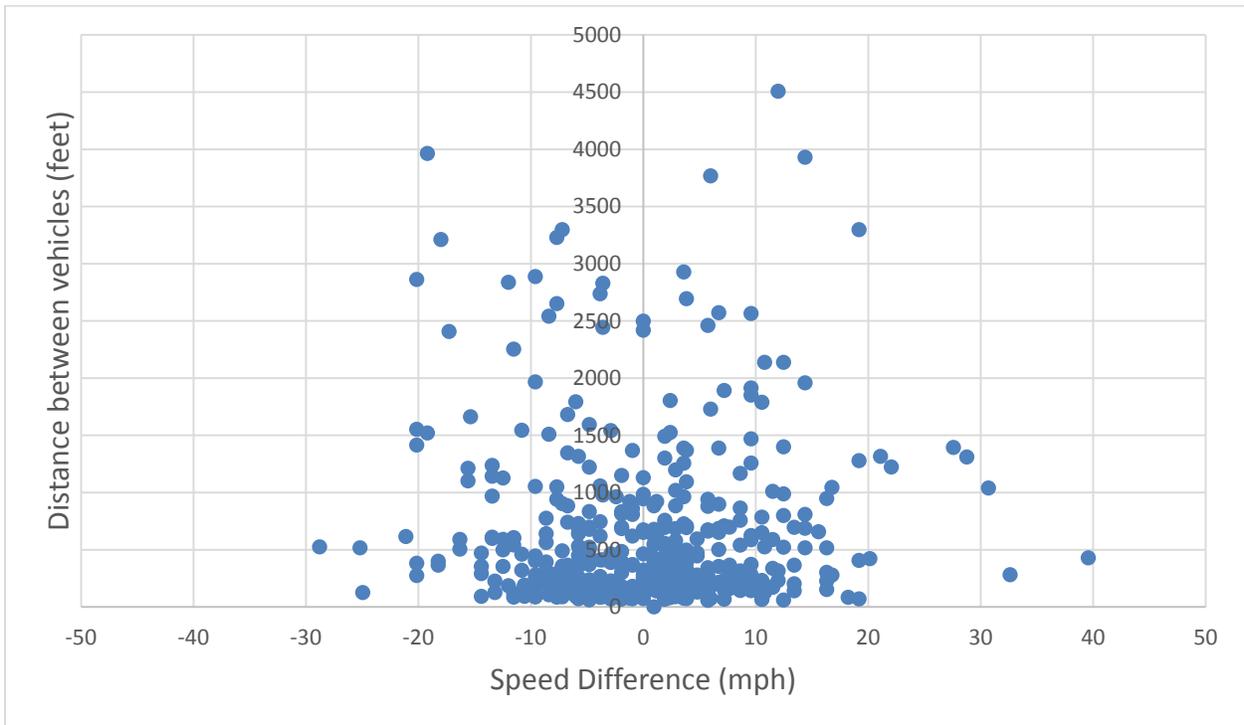


Figure C.23: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 1

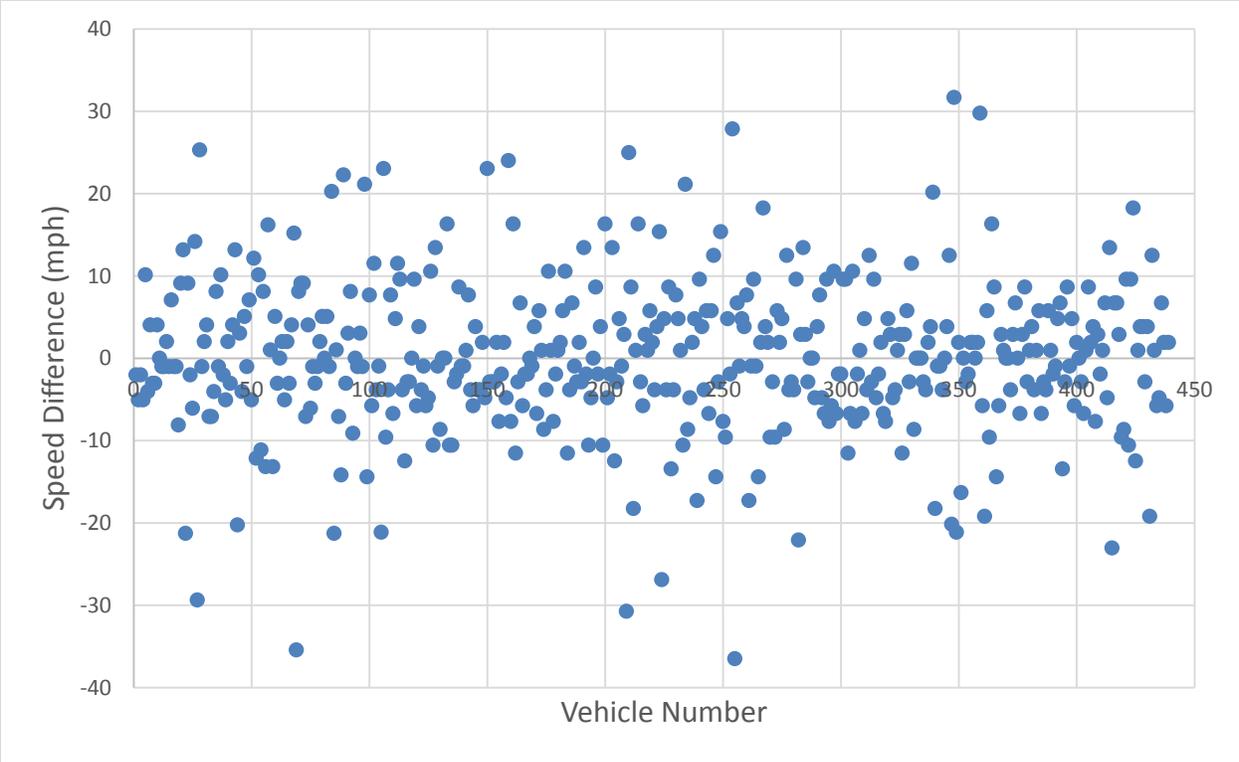


Figure C.24: Speed Difference, I-205, Sweeping, Without RSS, Pole 5

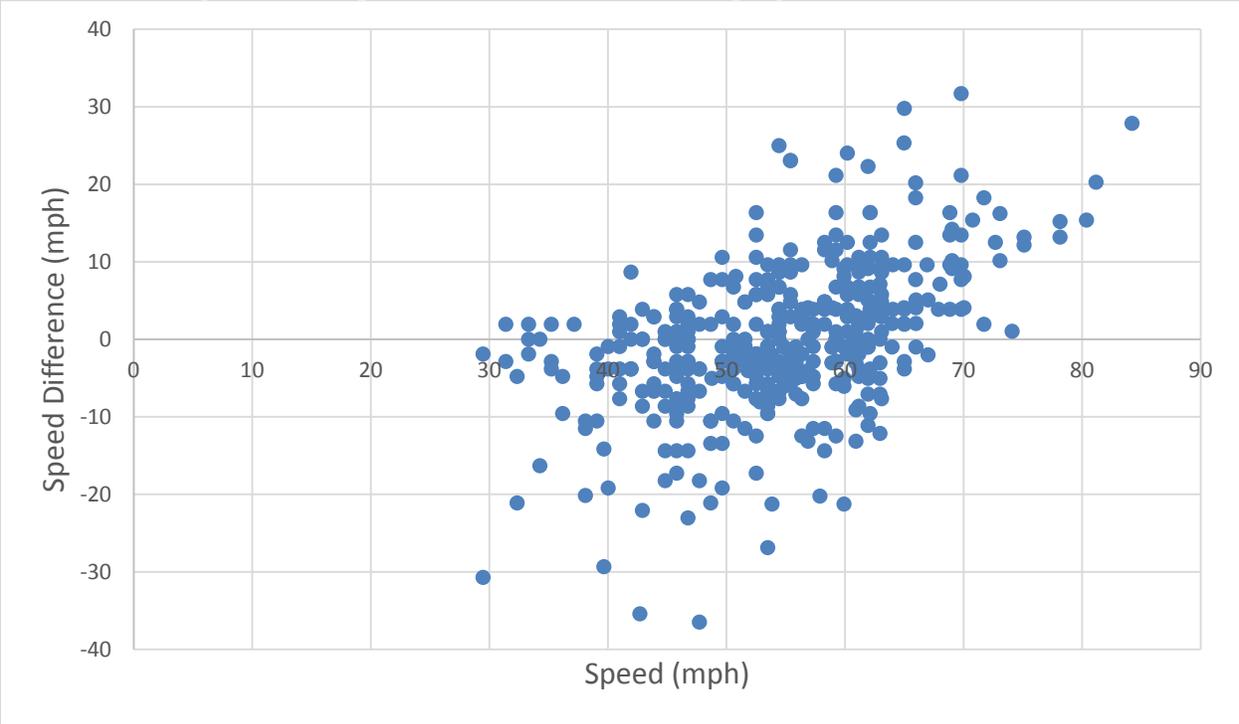


Figure C.25: Speed Difference vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 5

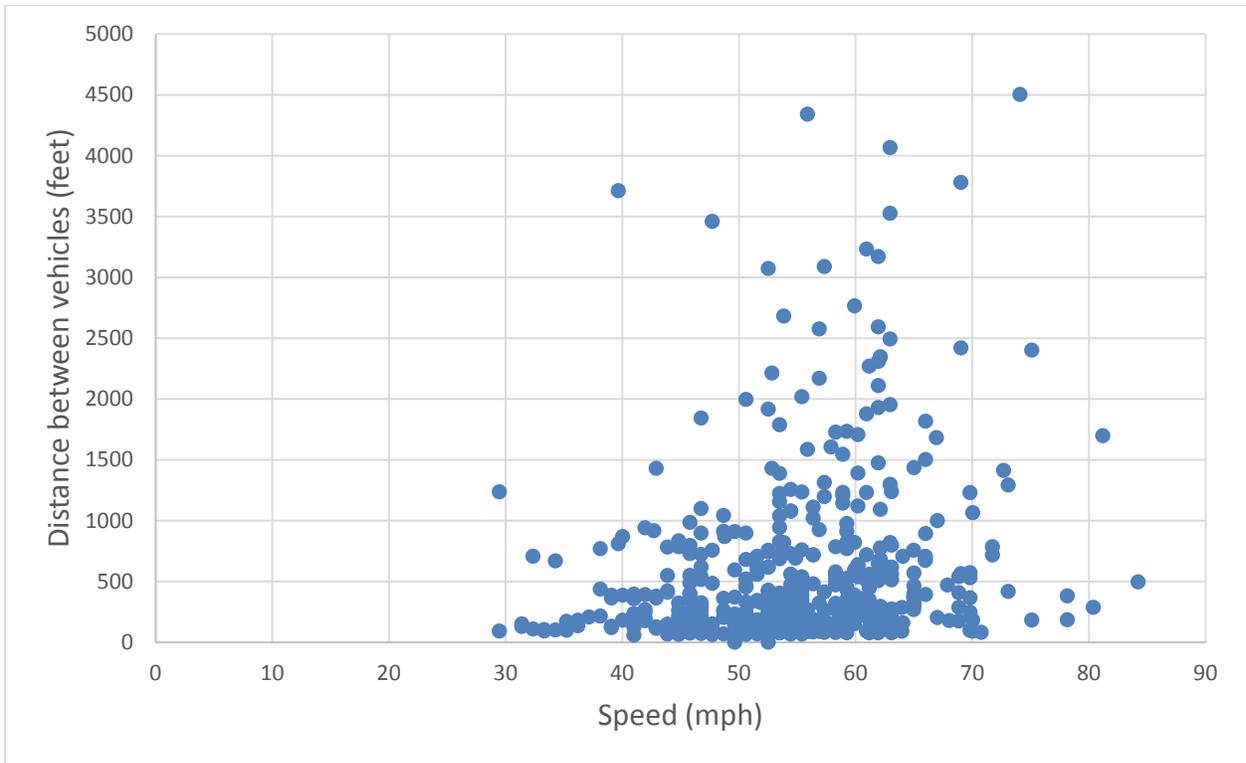


Figure C.26: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 5

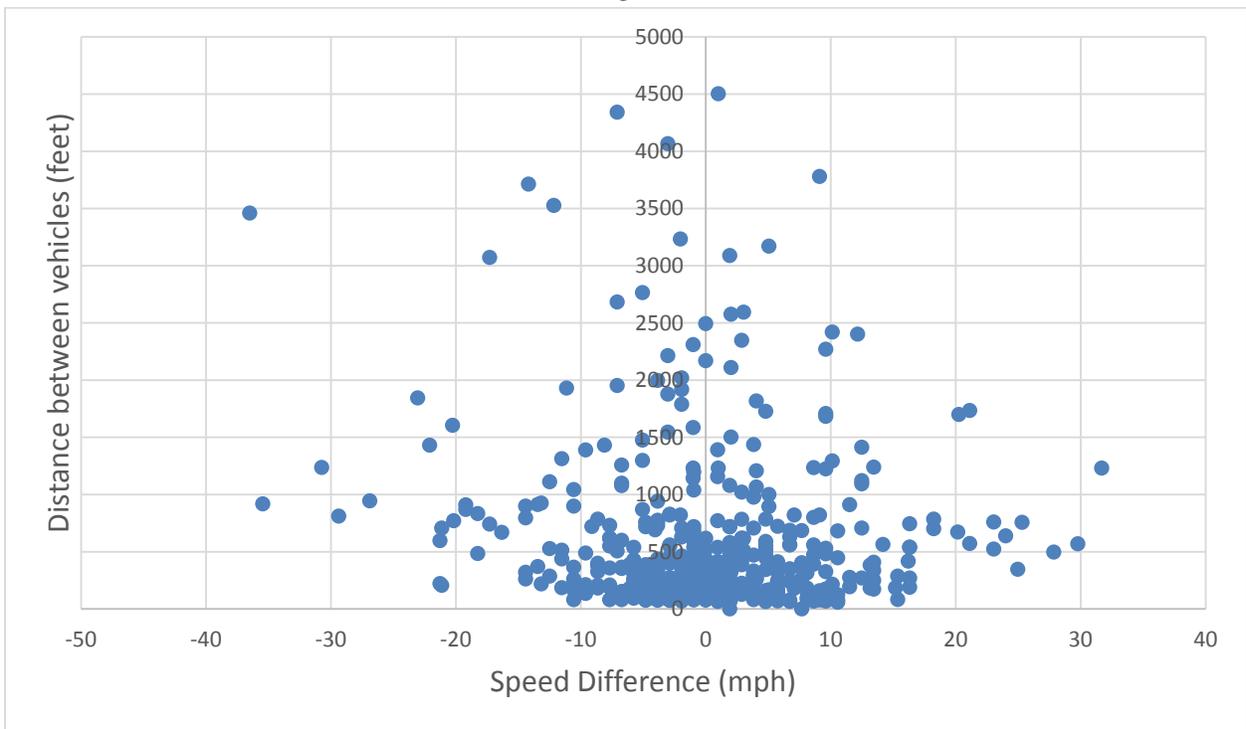


Figure C.27: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 5

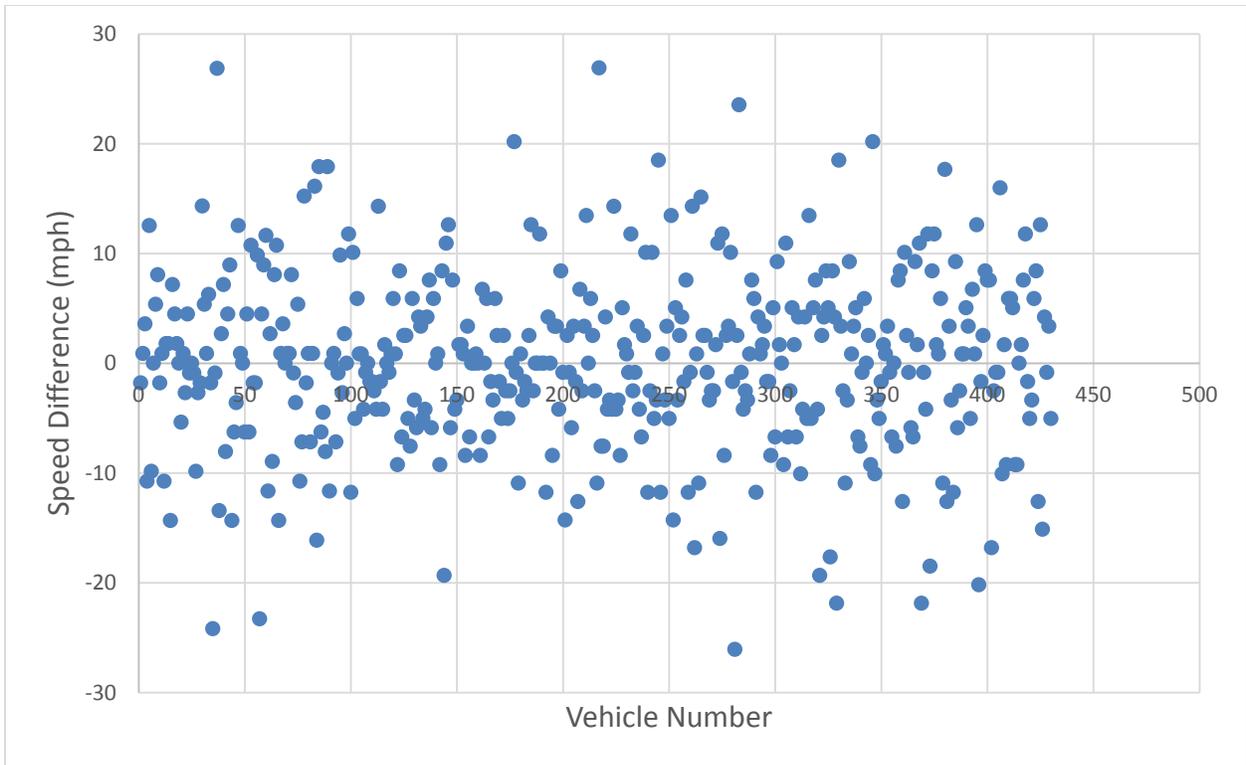


Figure C.28: Speed Difference, I-205, Sweeping, Without RSS, Pole 10

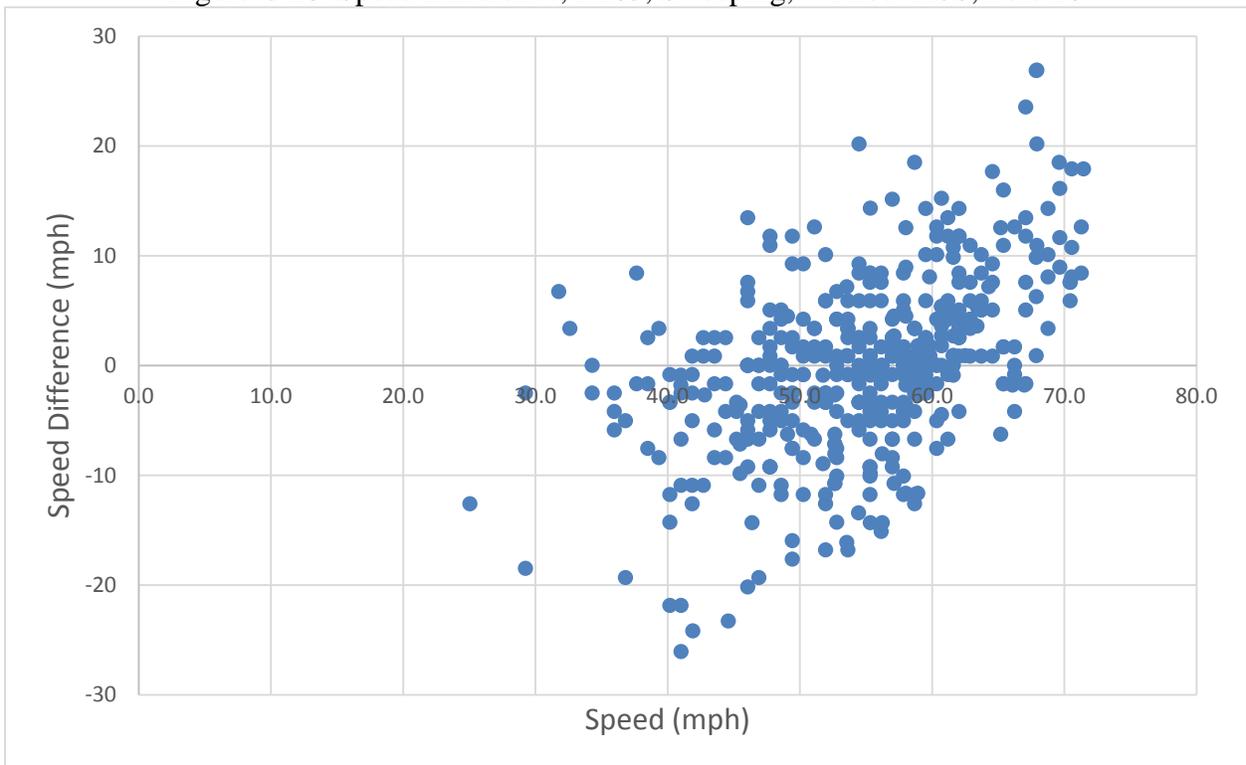


Figure C.29: Speed Difference vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 10

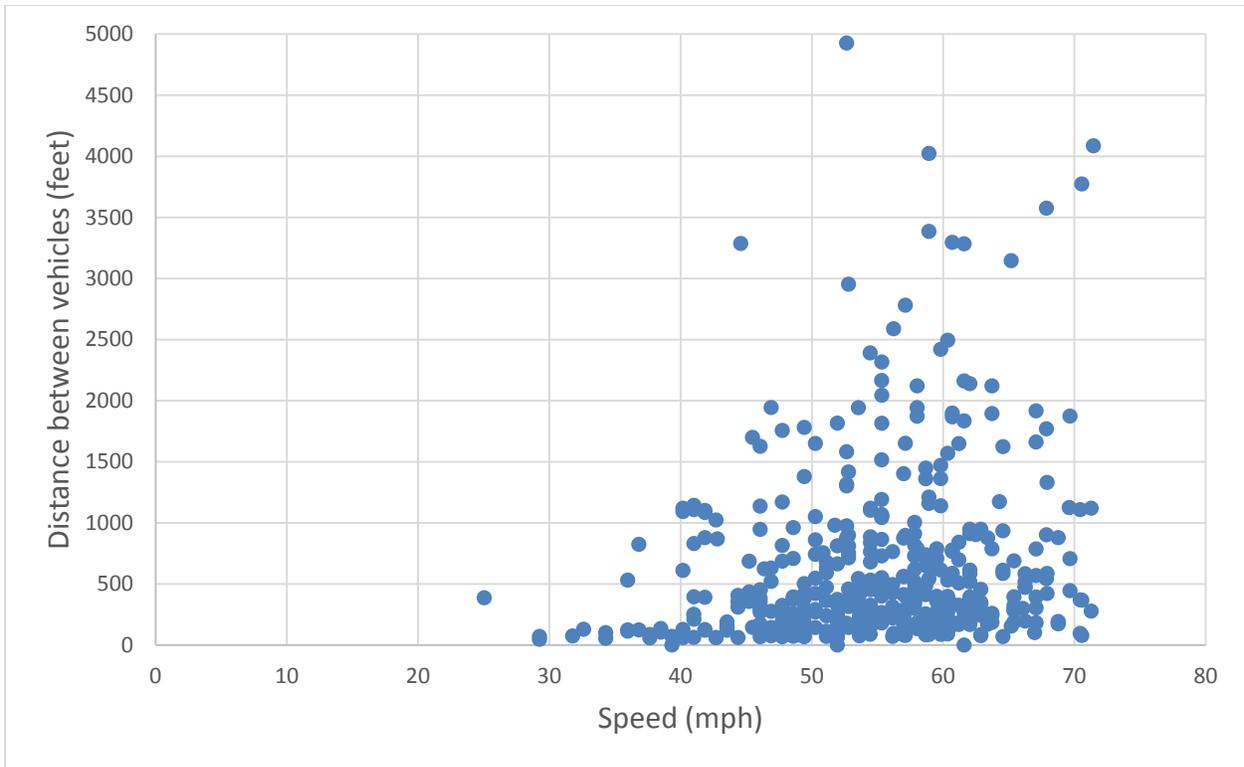


Figure C.30: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 10

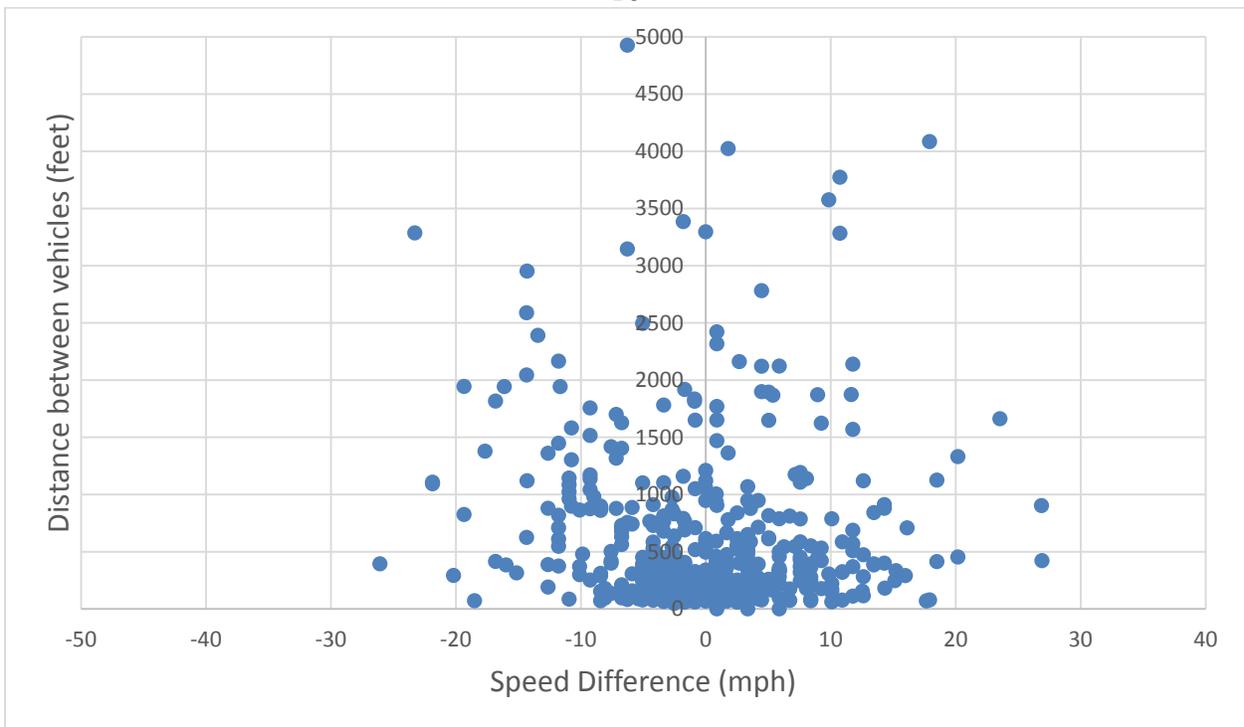


Figure C.31: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 10

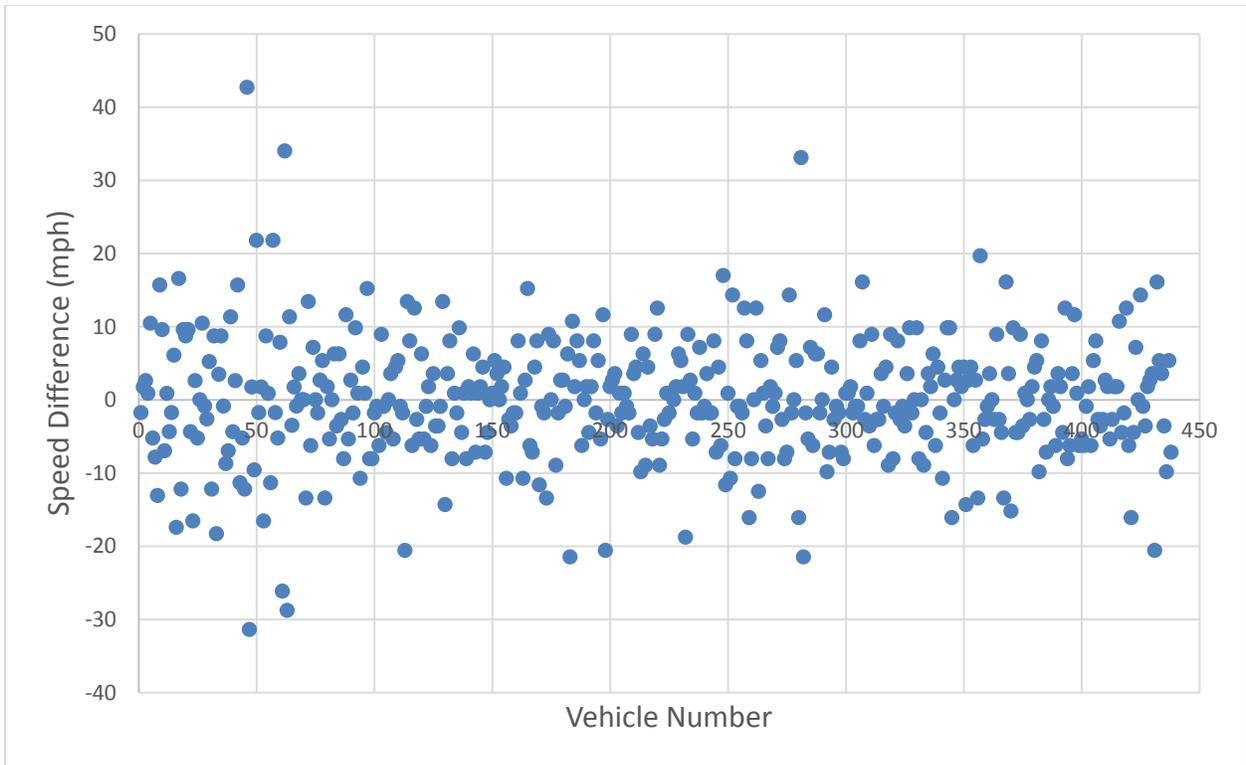


Figure C.32: Speed Difference, I-205, Sweeping, Without RSS, Pole 15

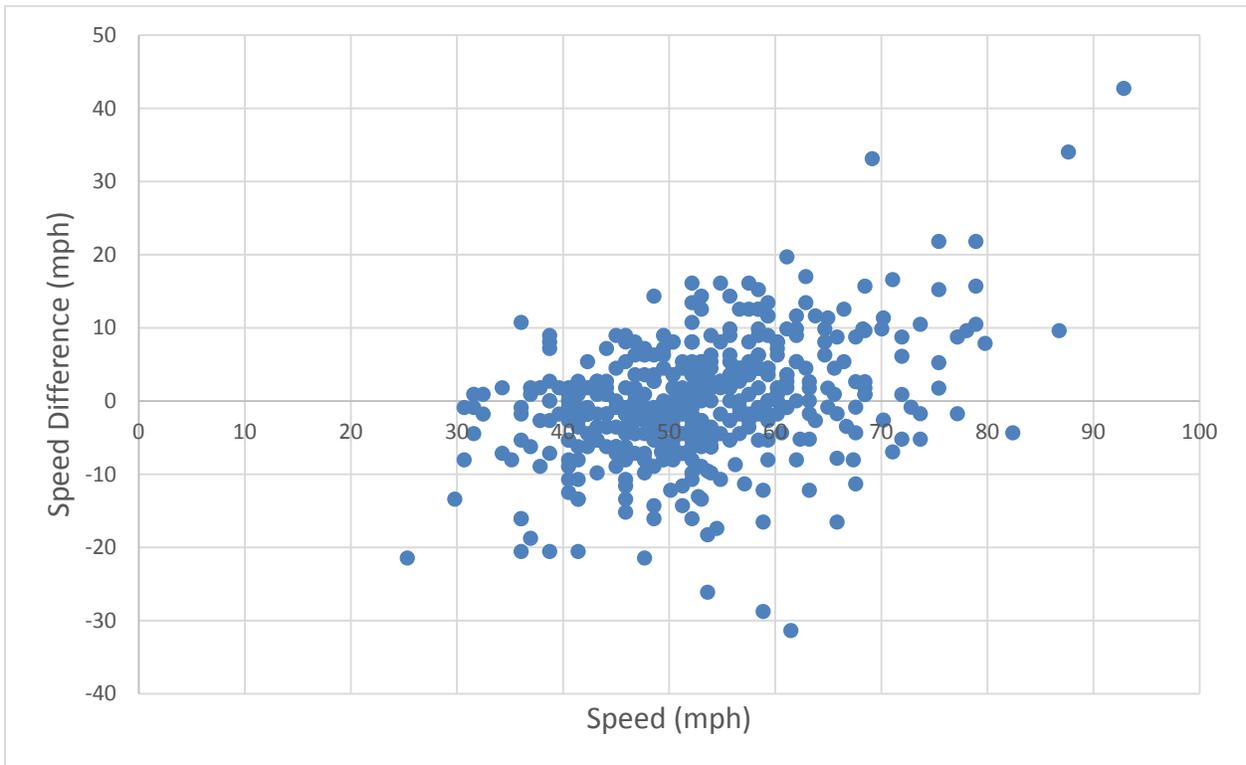


Figure C.33: Speed Difference vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 15

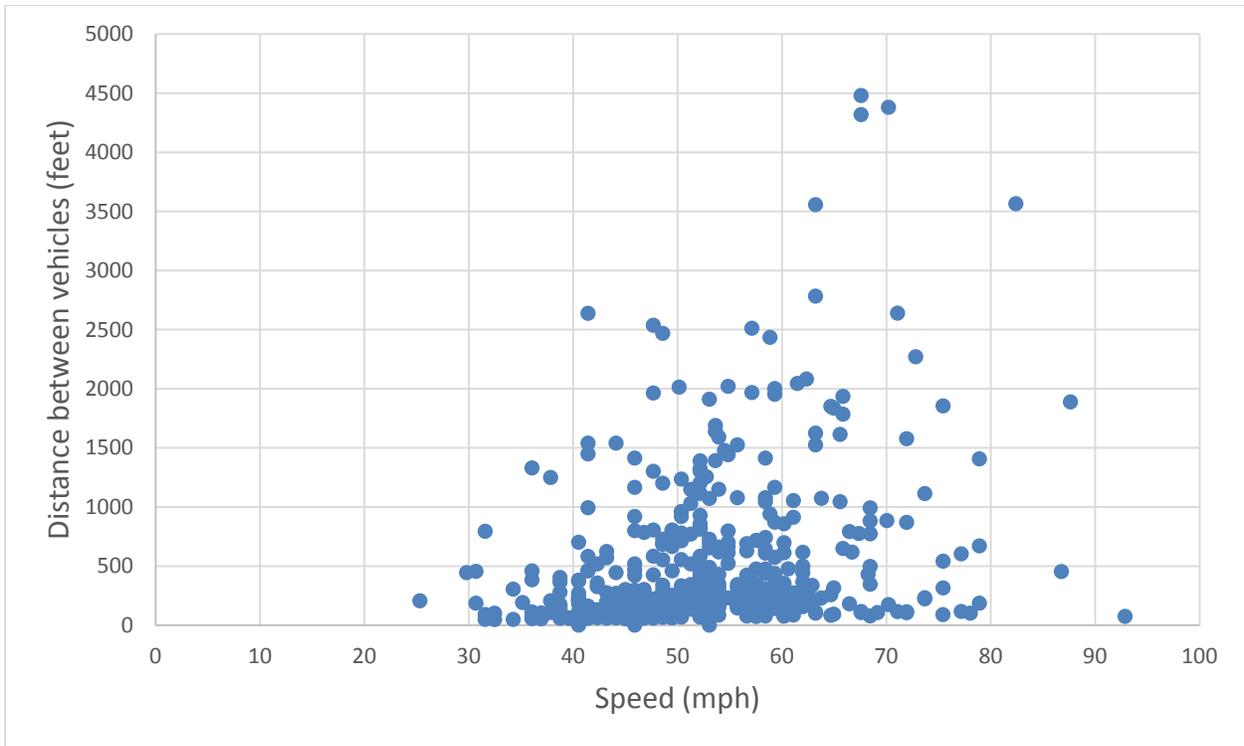


Figure C.34: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 15

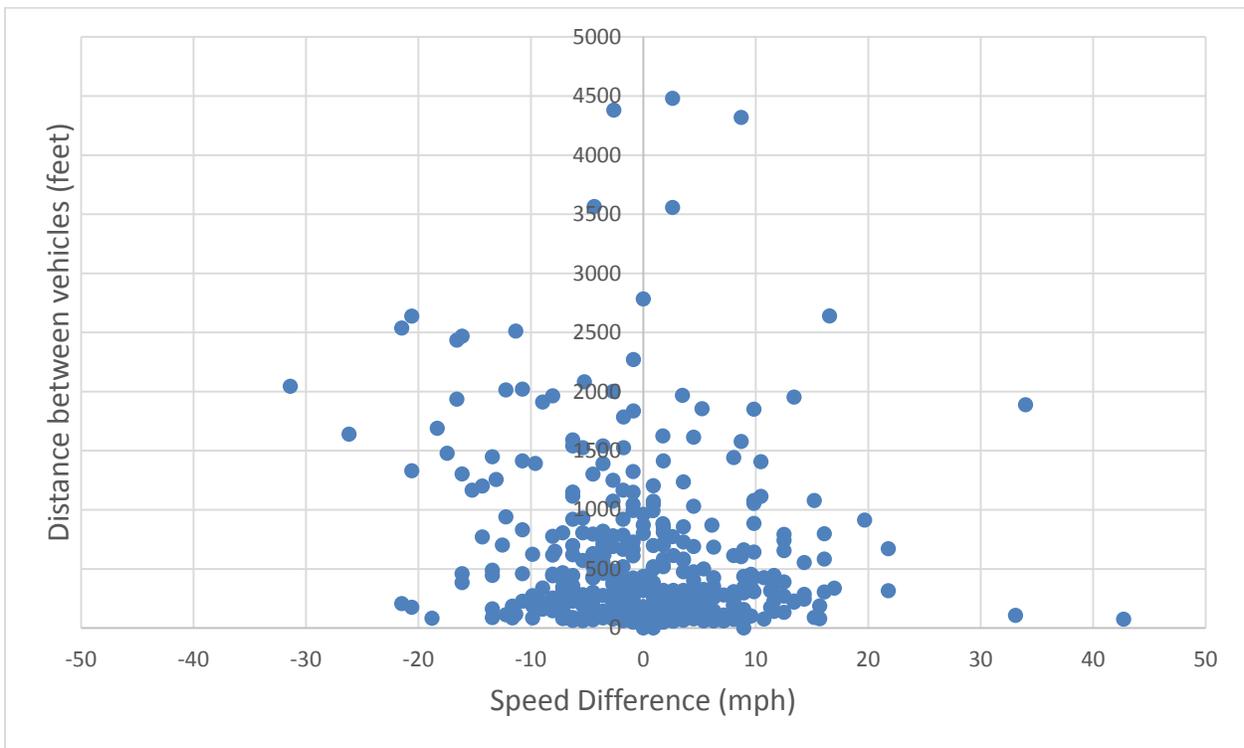


Figure C.35: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 15

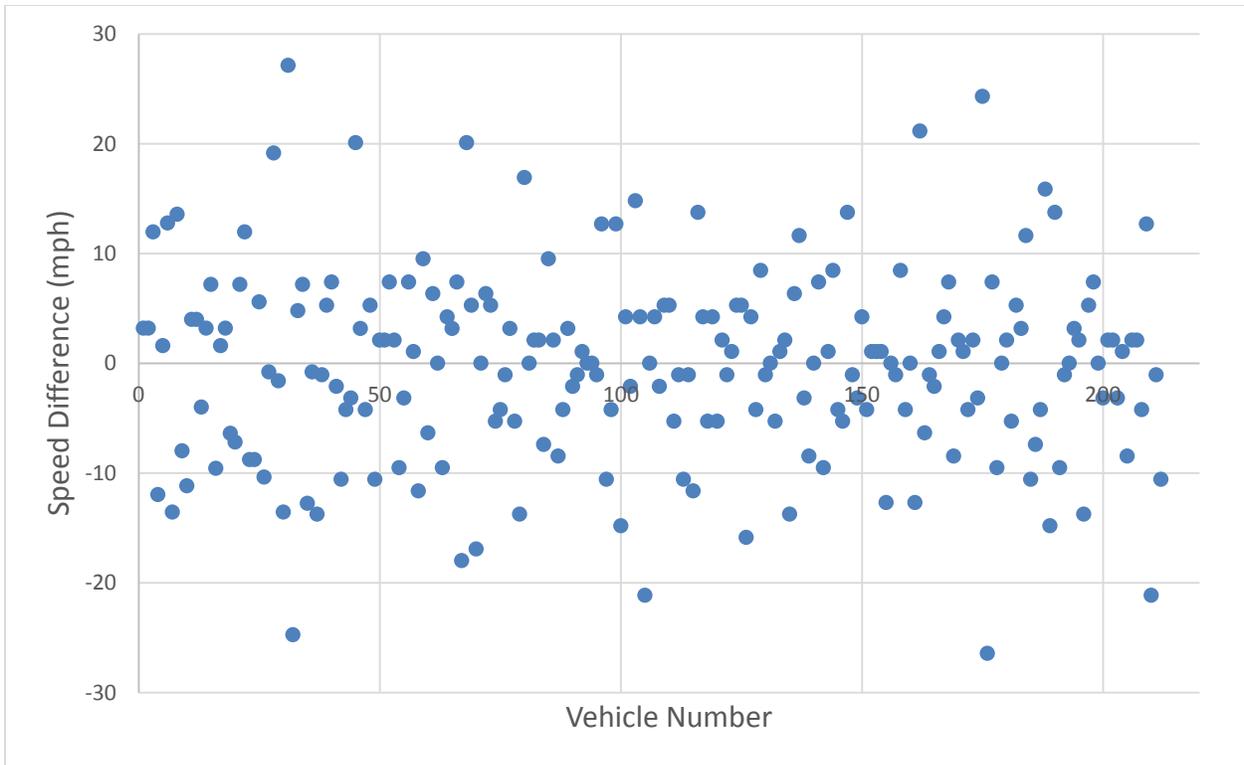


Figure C.36: Speed Difference, I-205, Sweeping, Without RSS, Pole 20

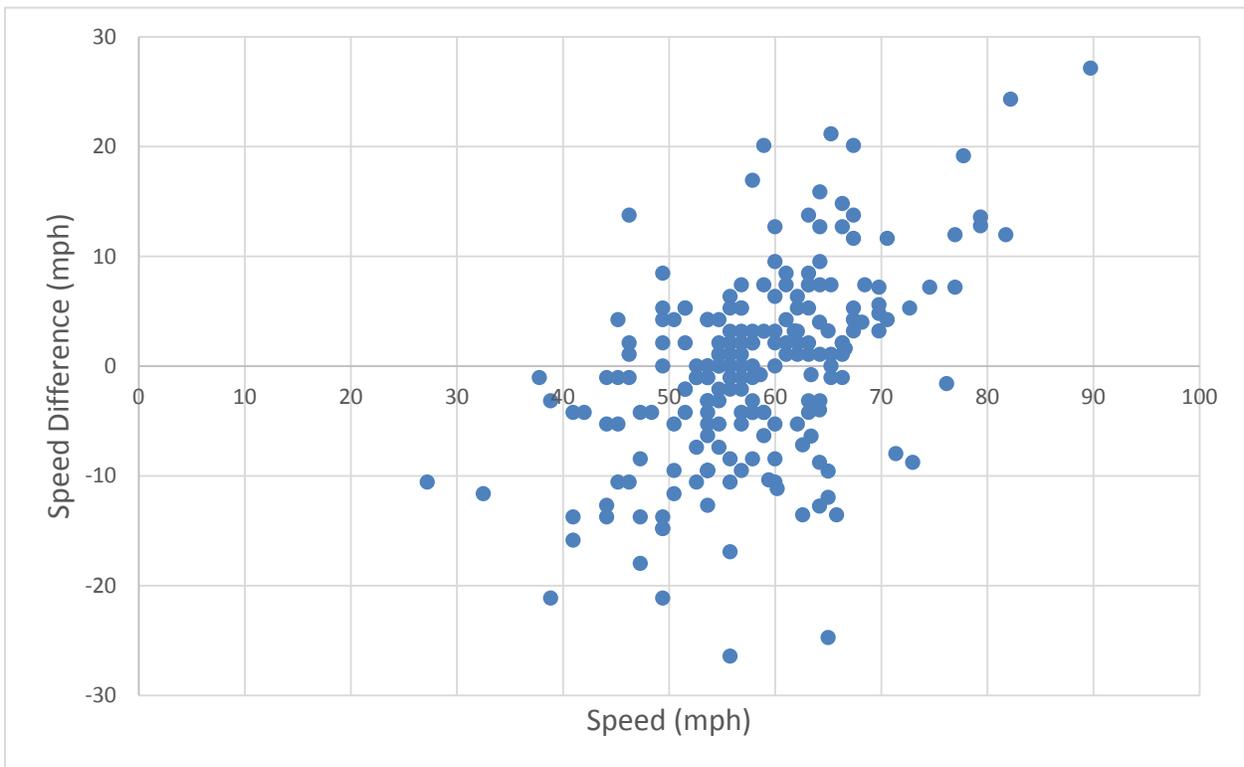


Figure C.37: Speed Difference vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 20

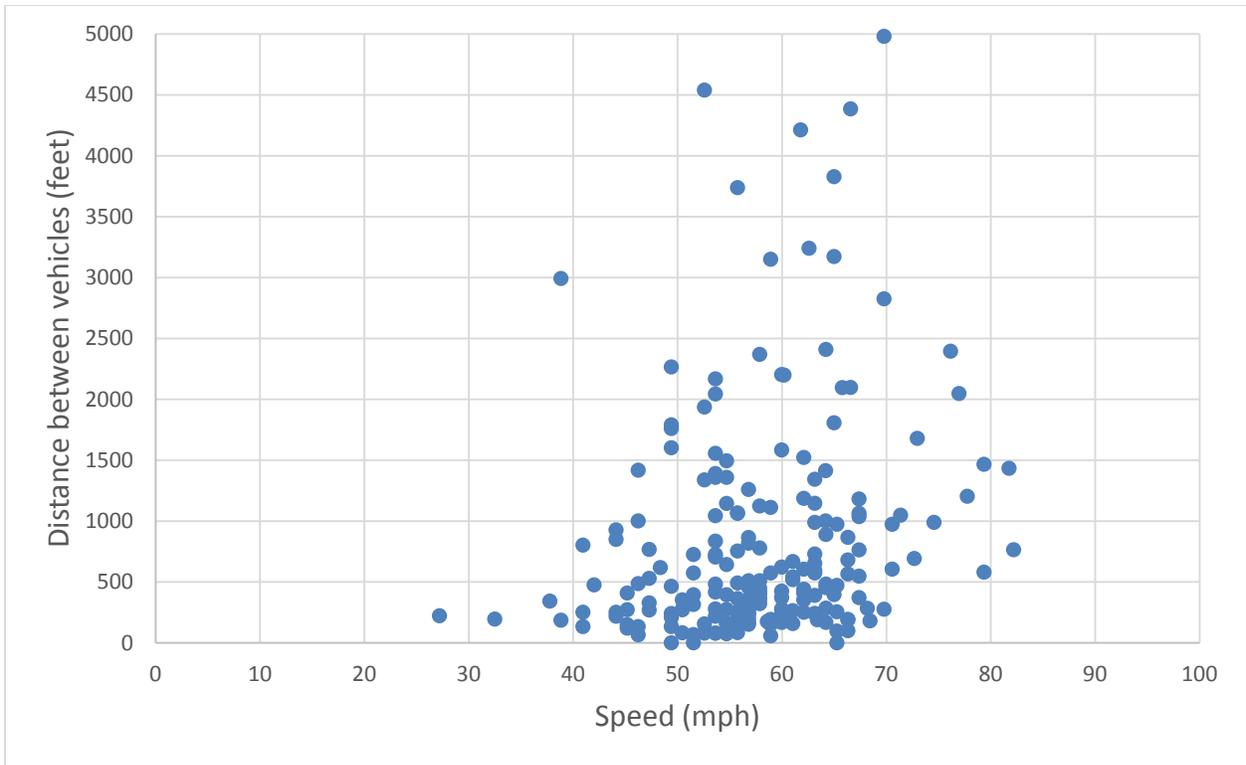


Figure C.38: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 20

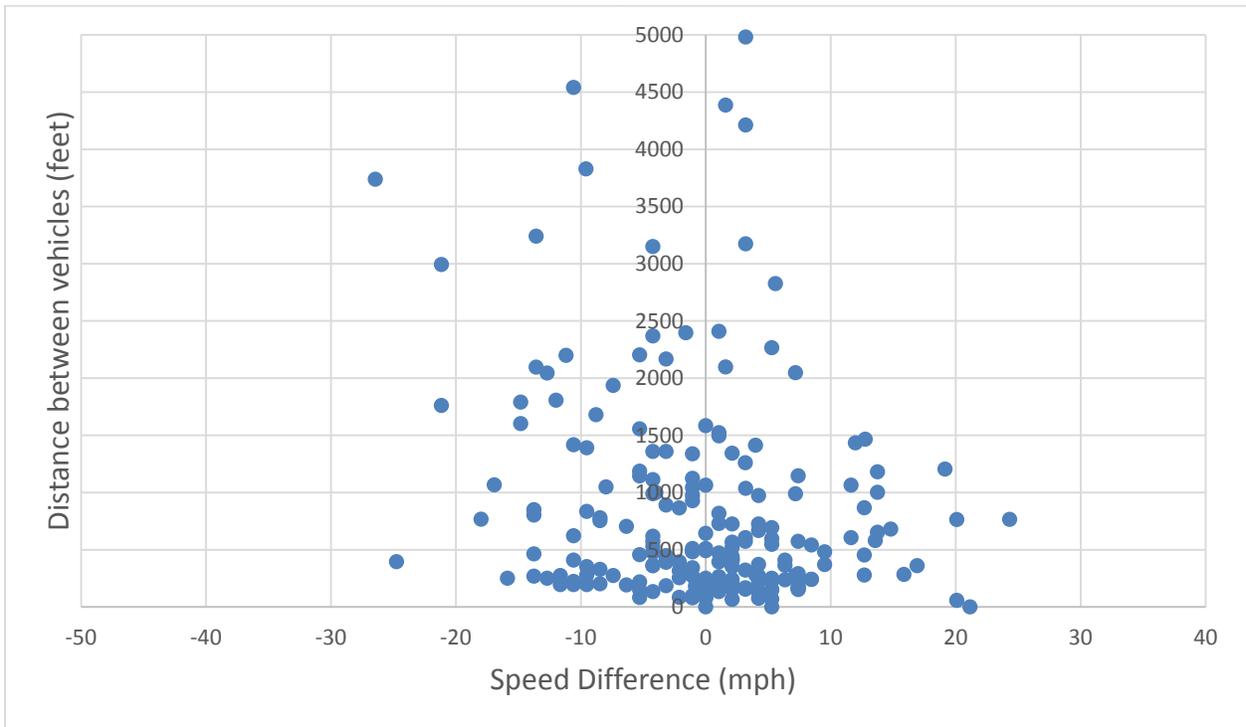


Figure C.39: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, Without RSS, Pole 20

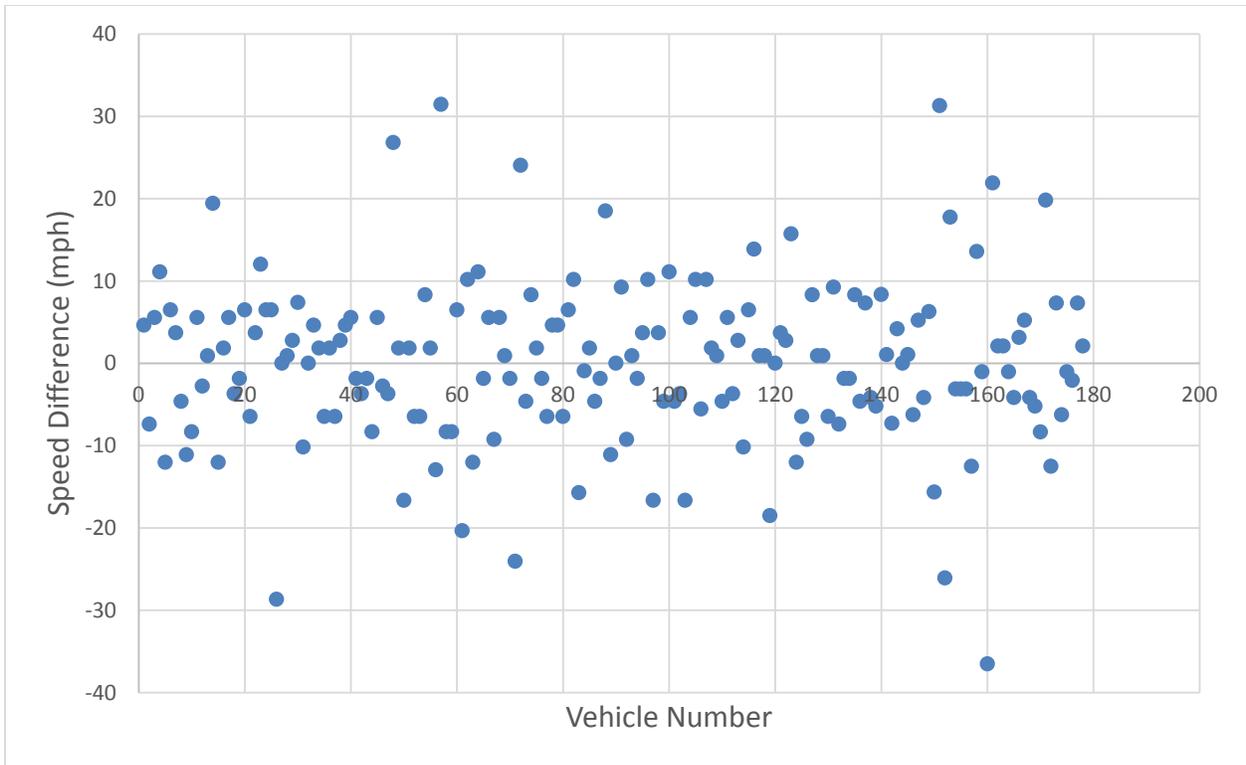


Figure C.40: Speed Difference, I-205, Sweeping, With RSS, RWA

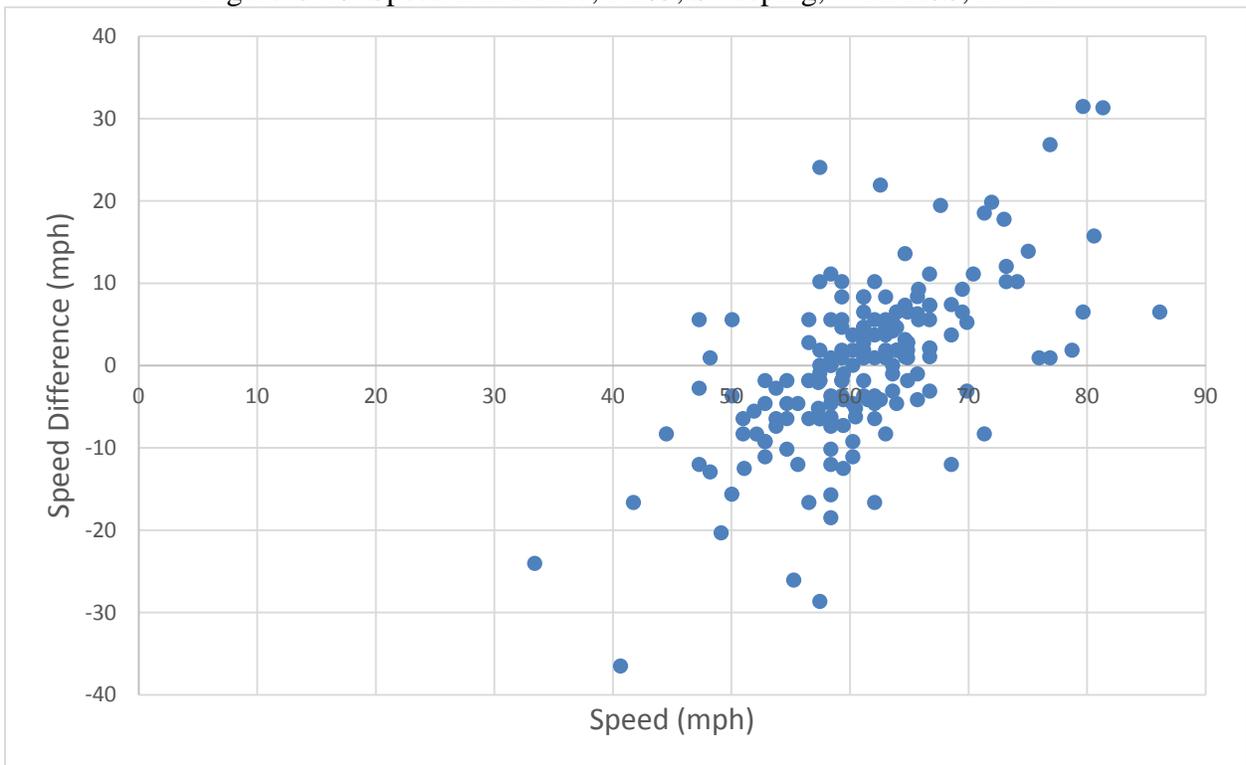


Figure C.41: Speed Difference vs. Vehicle Speed, I-205, Sweeping, With RSS, RWA

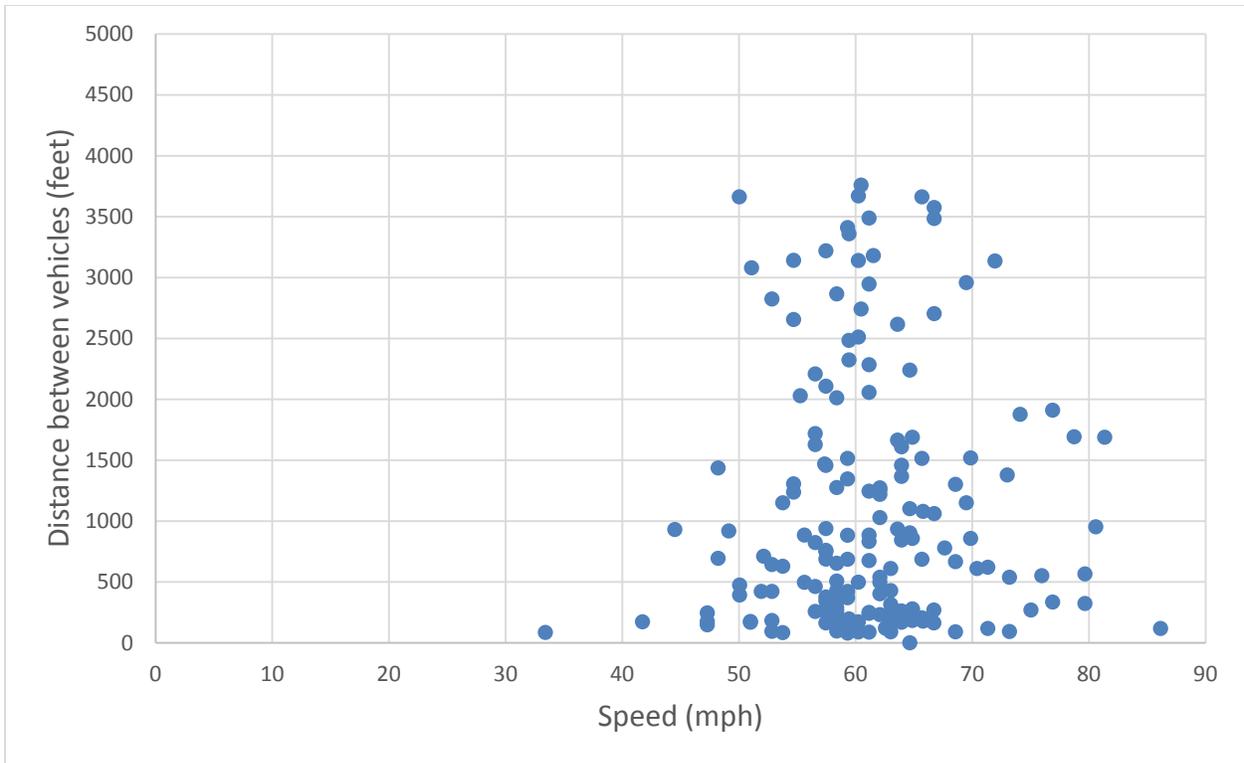


Figure C.42: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, RWA

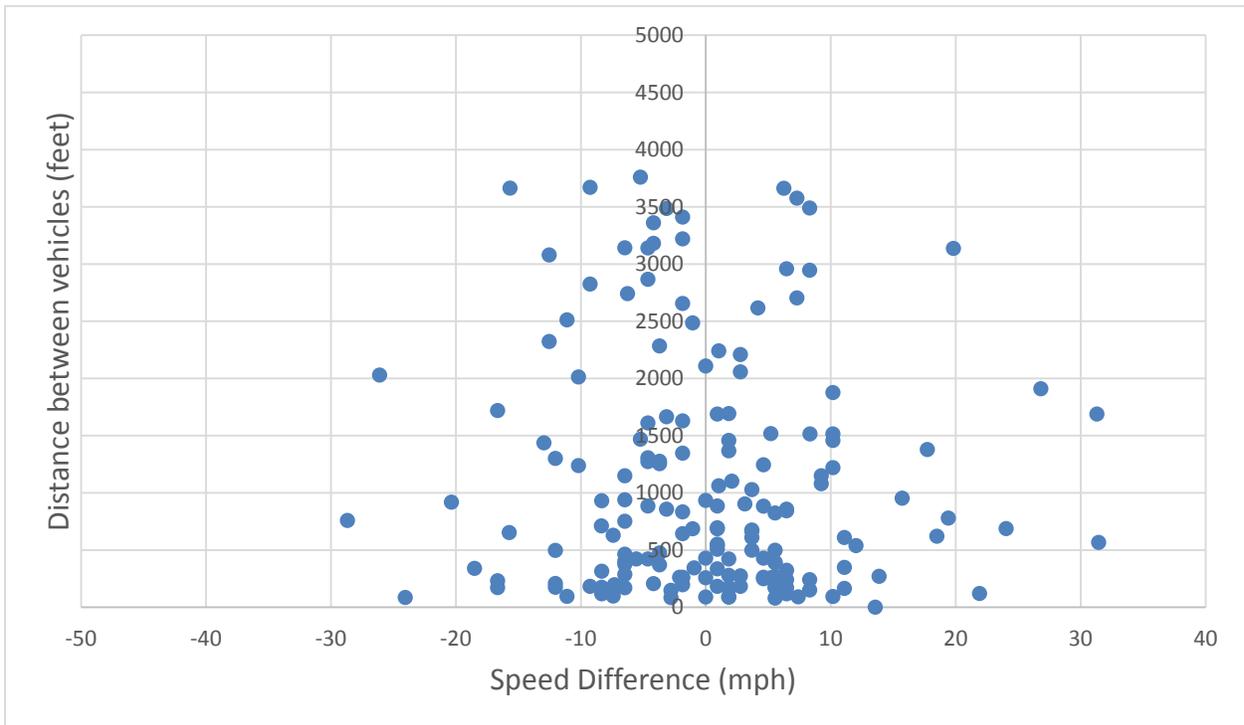


Figure C.43: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, RWA

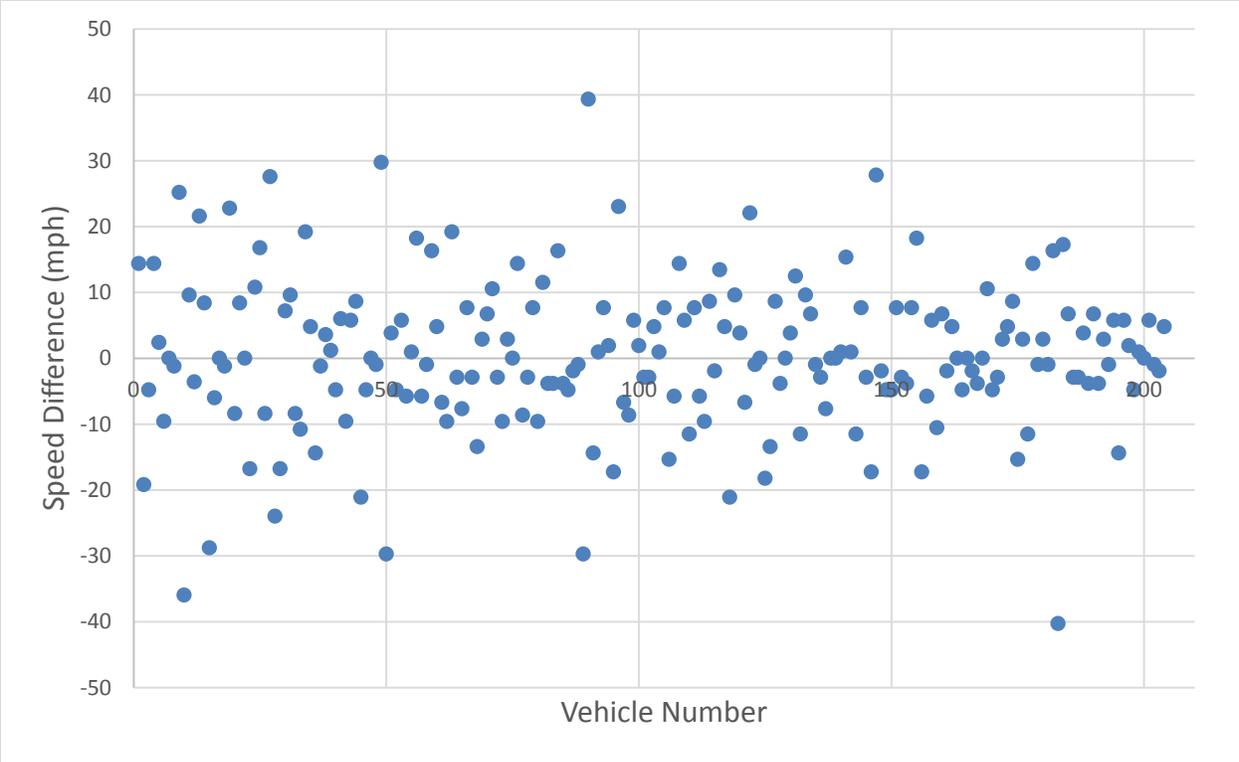


Figure C.44: Speed Difference, I-205, Sweeping, With RSS, Pole 1

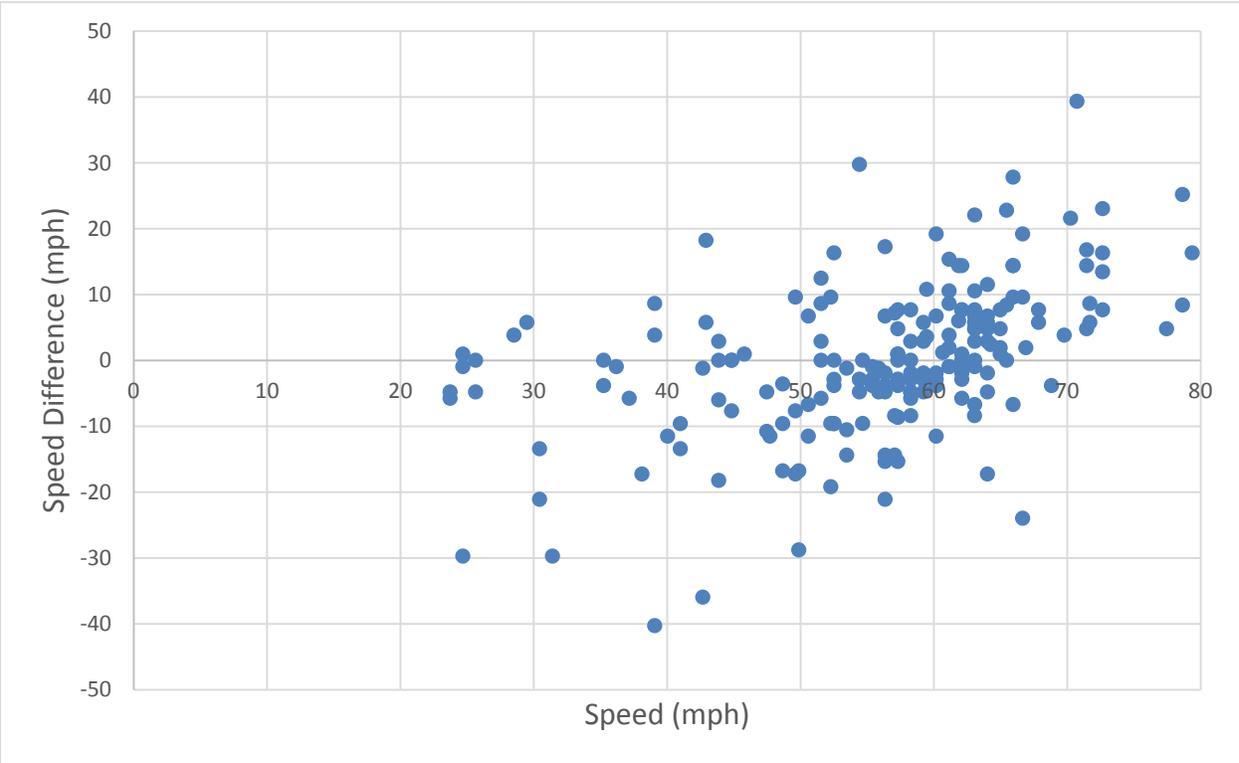


Figure C.45: Speed Difference vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 1

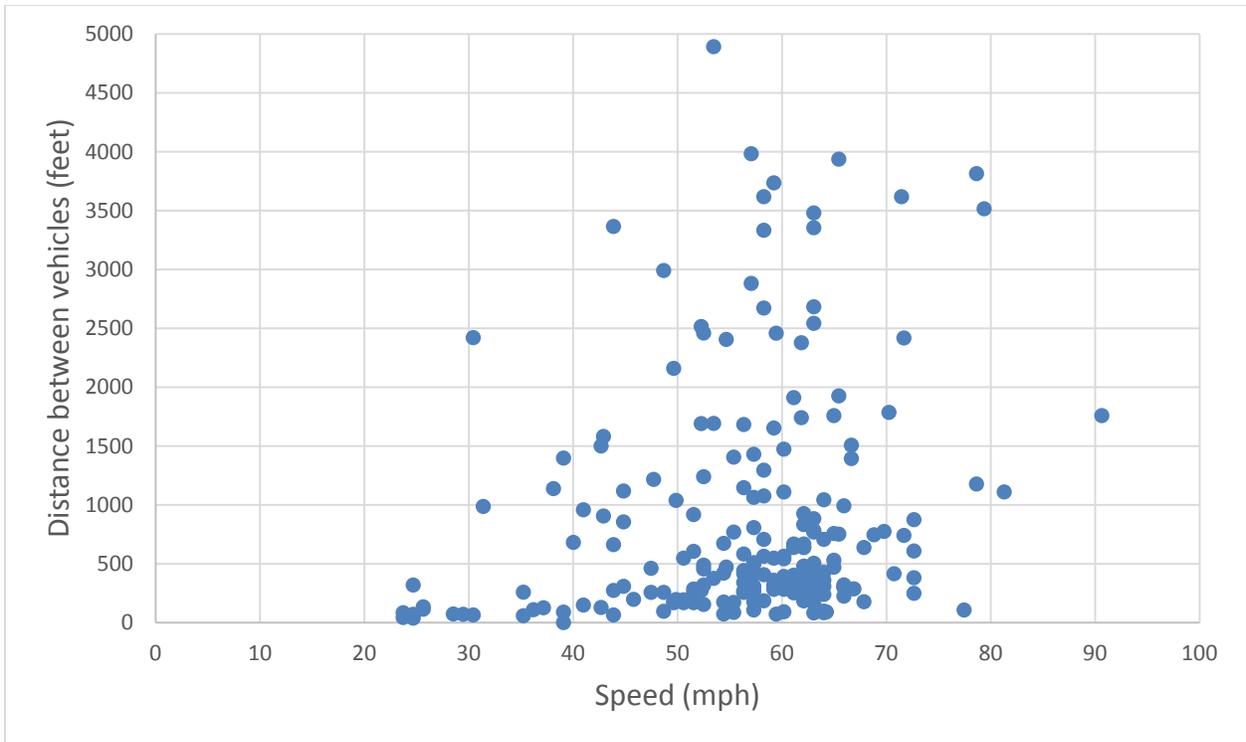


Figure C.46: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 1

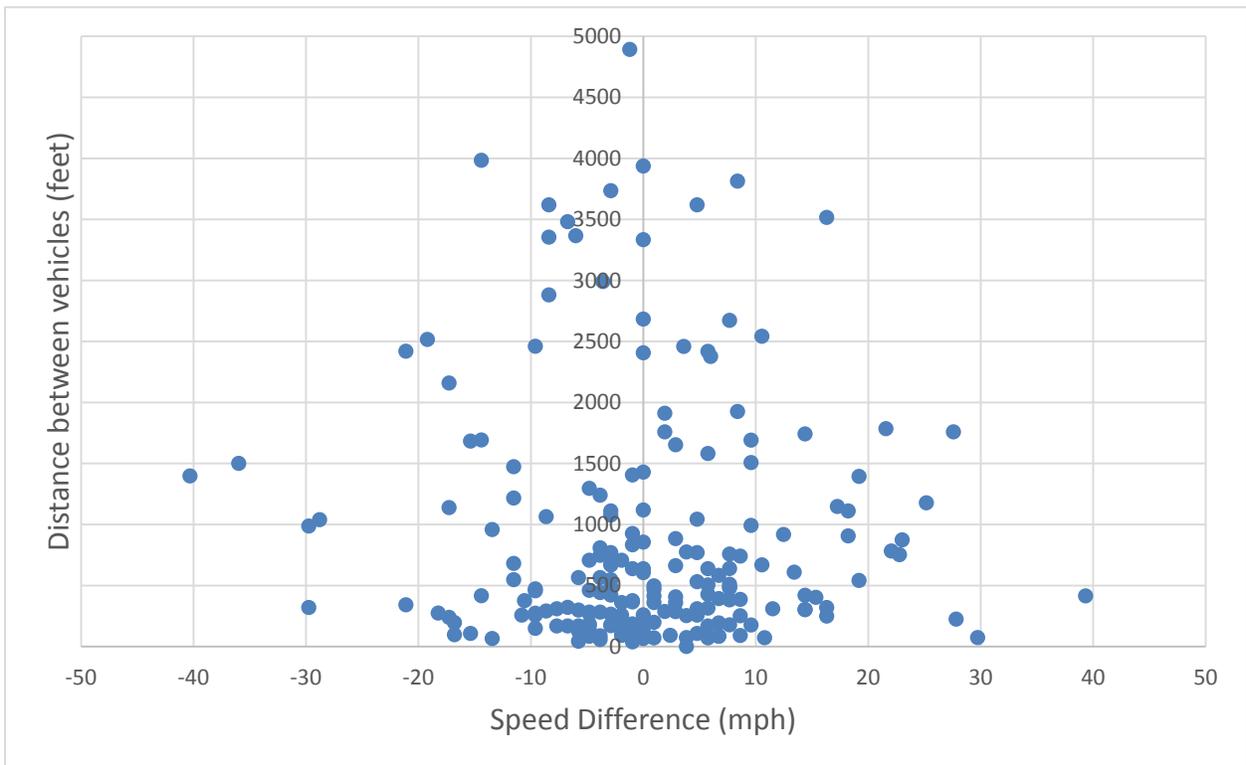


Figure C.47: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 1

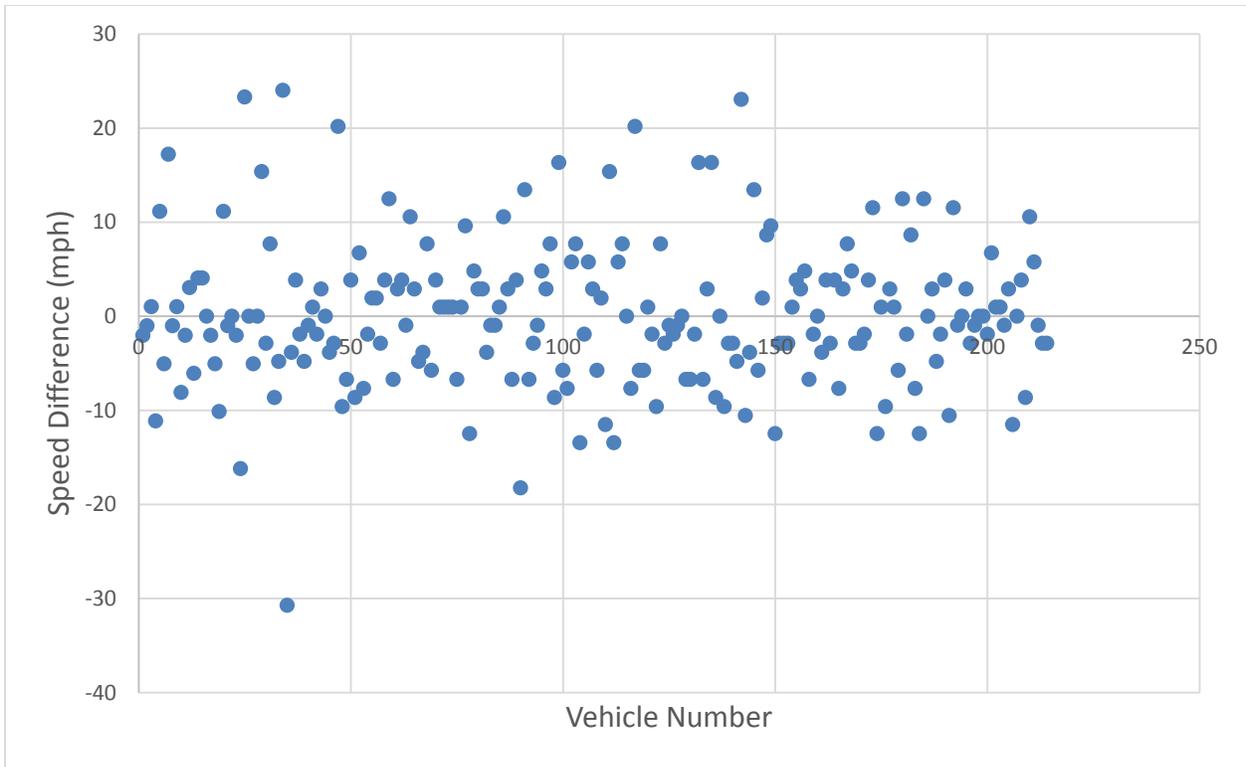


Figure C.48: Speed Difference, I-205, Sweeping, With RSS, Pole 5

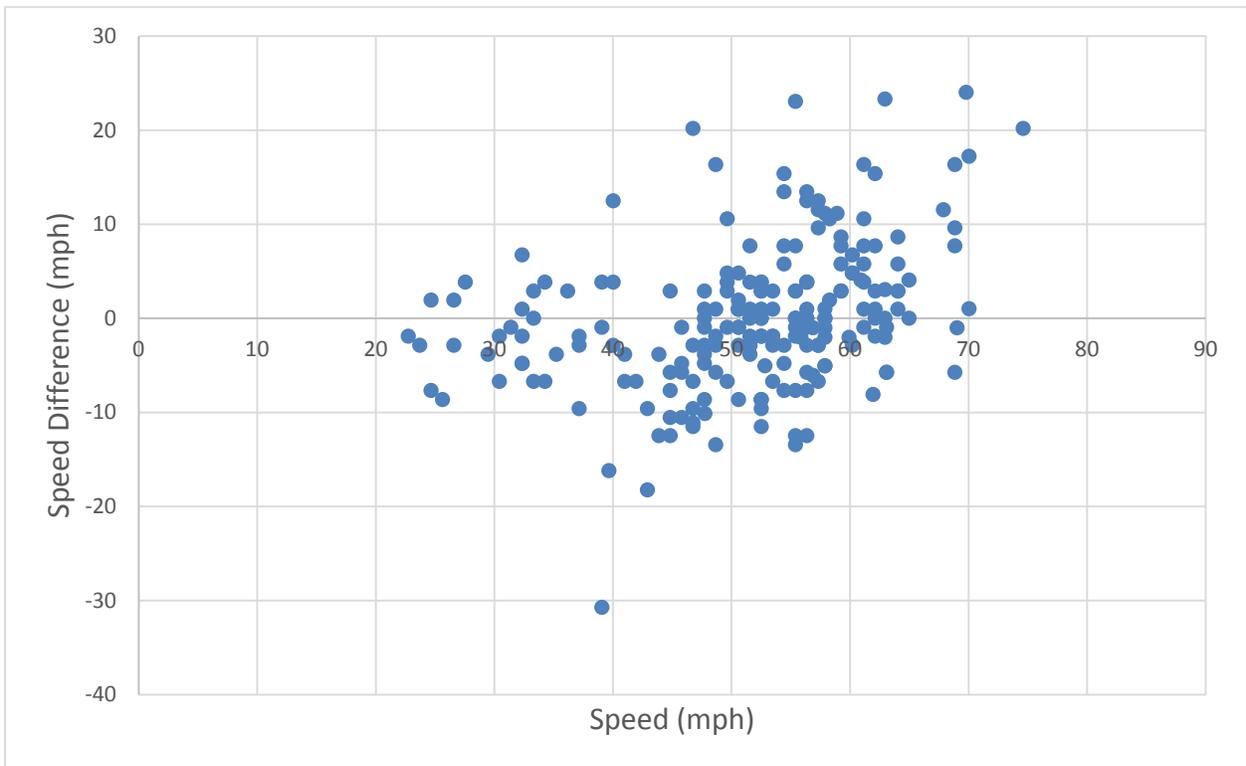


Figure C.49: Speed Difference vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 5

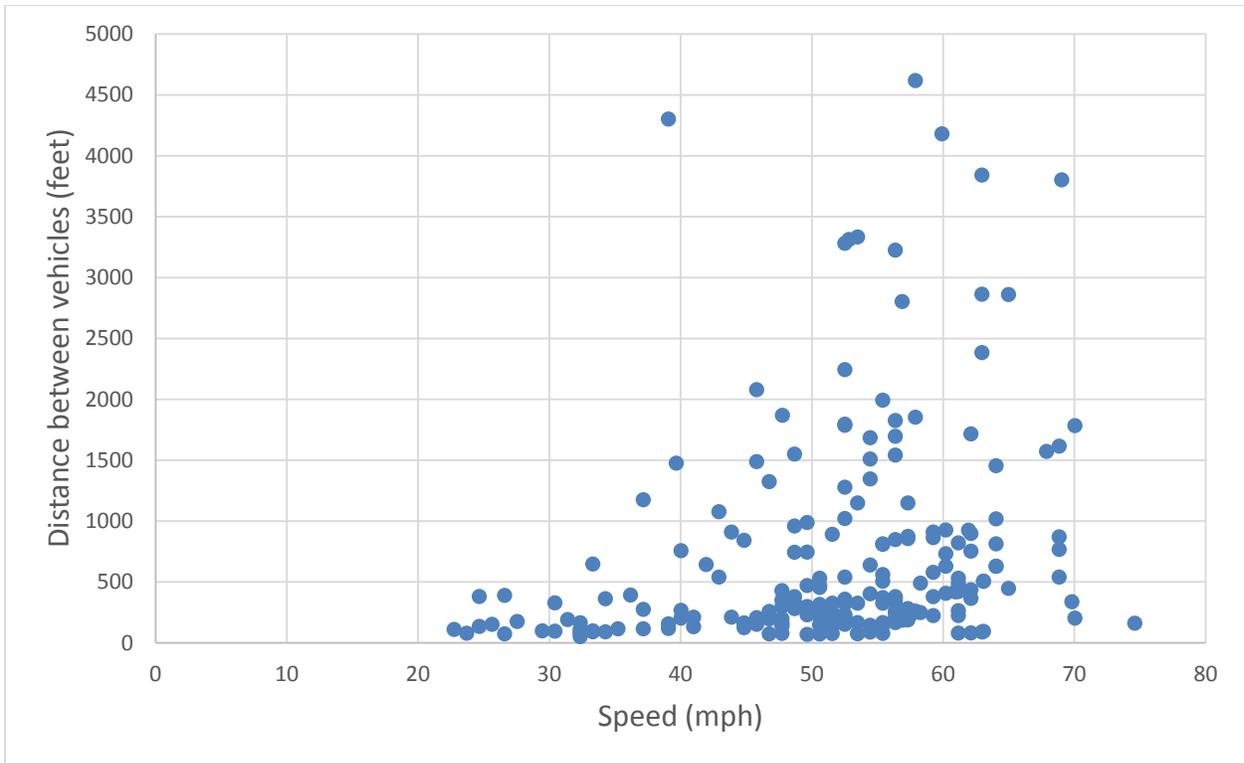


Figure C.50: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 5

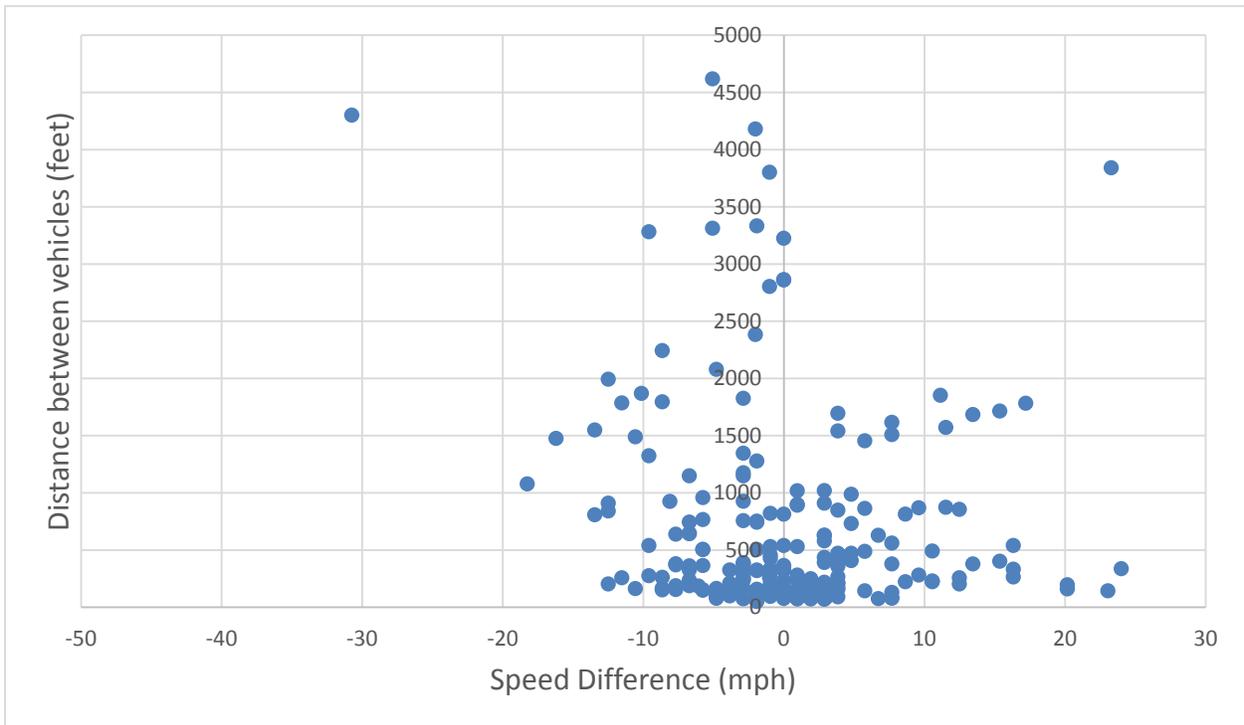


Figure C.51: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 5

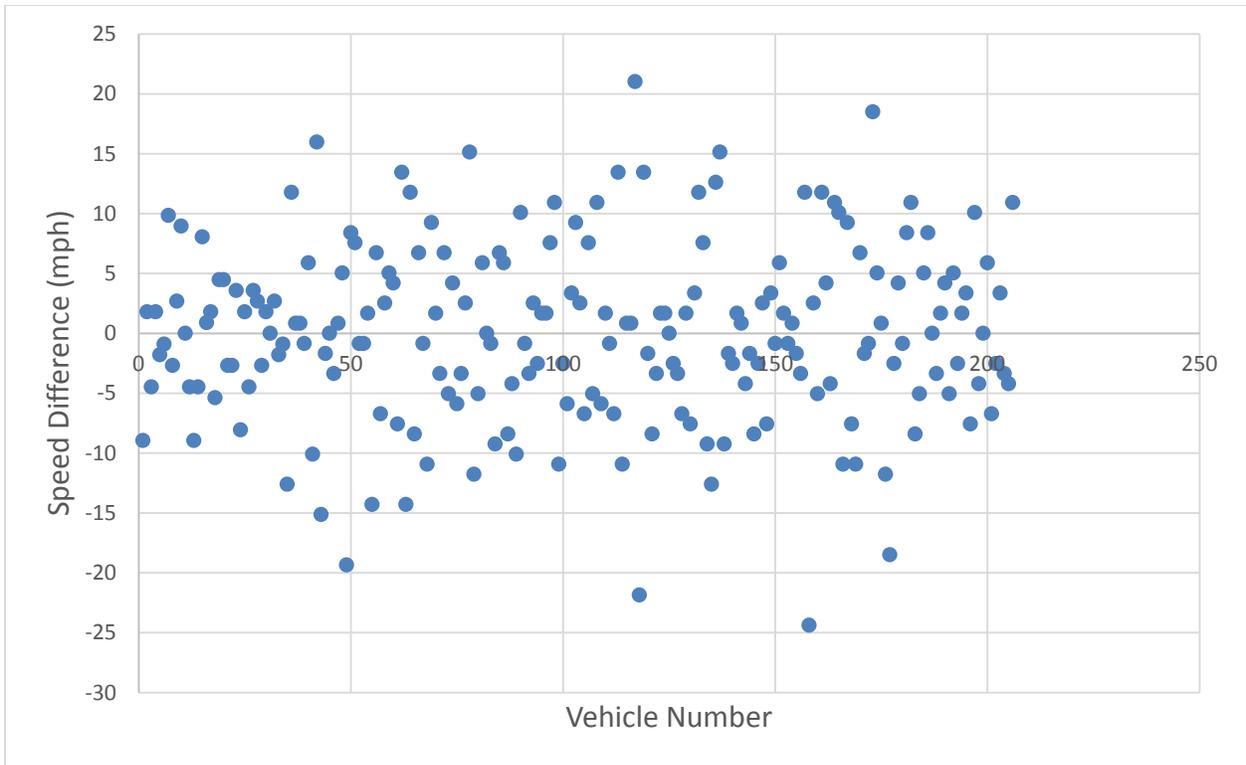


Figure C.52: Speed Difference, I-205, Sweeping, With RSS, Pole 10

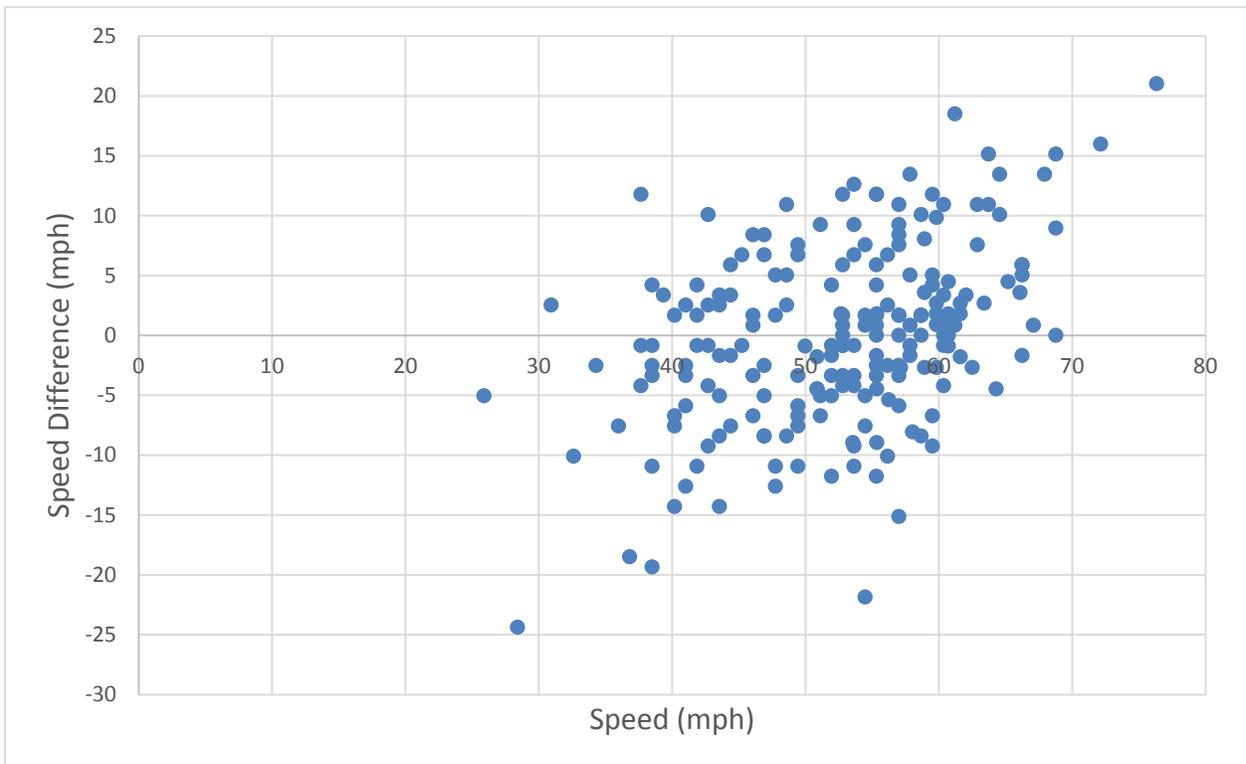


Figure C.53: Speed Difference vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 10

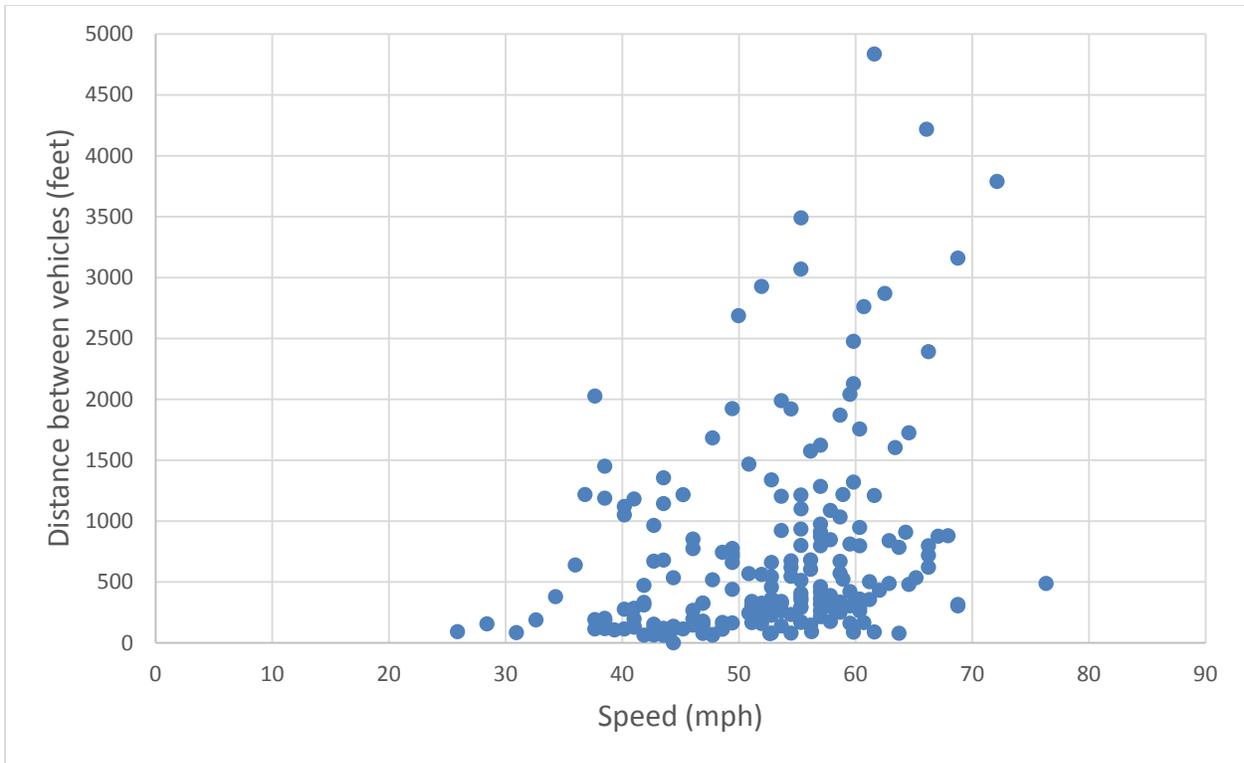


Figure C.54: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 10

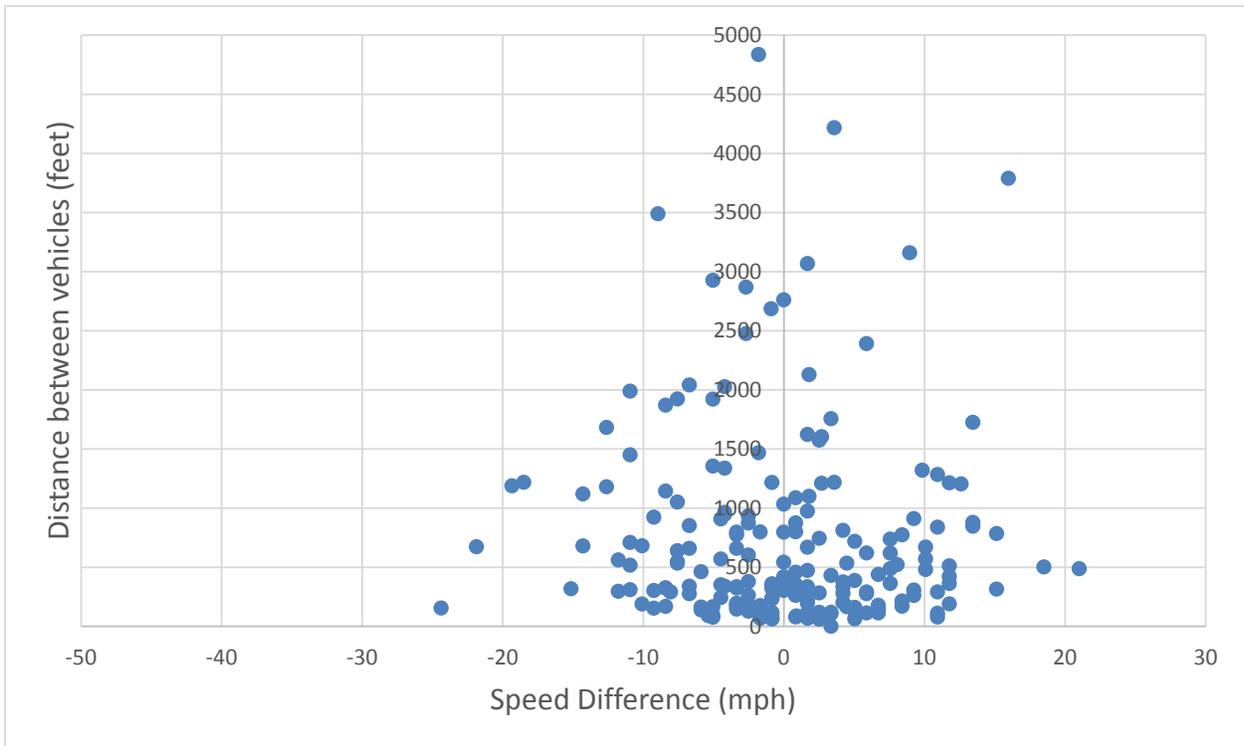


Figure C.55: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 10

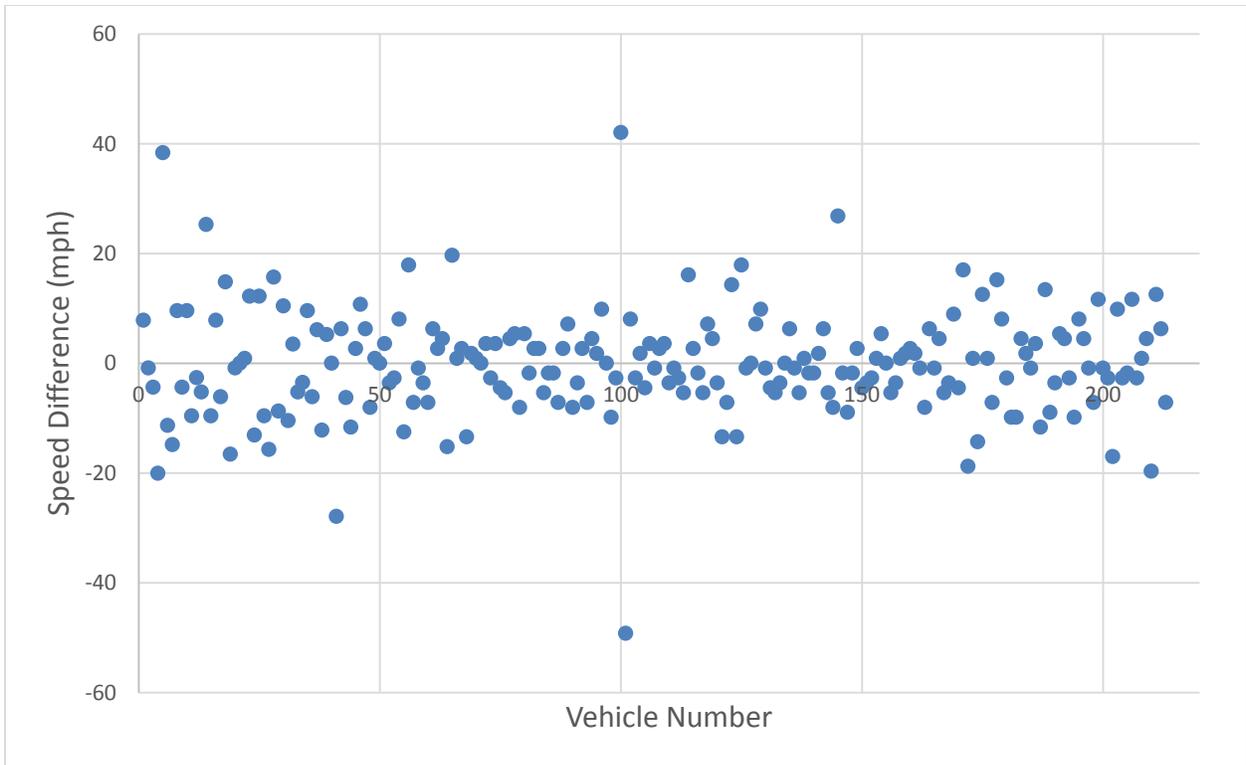


Figure C.56: Speed Difference, I-205, Sweeping, With RSS, Pole 15

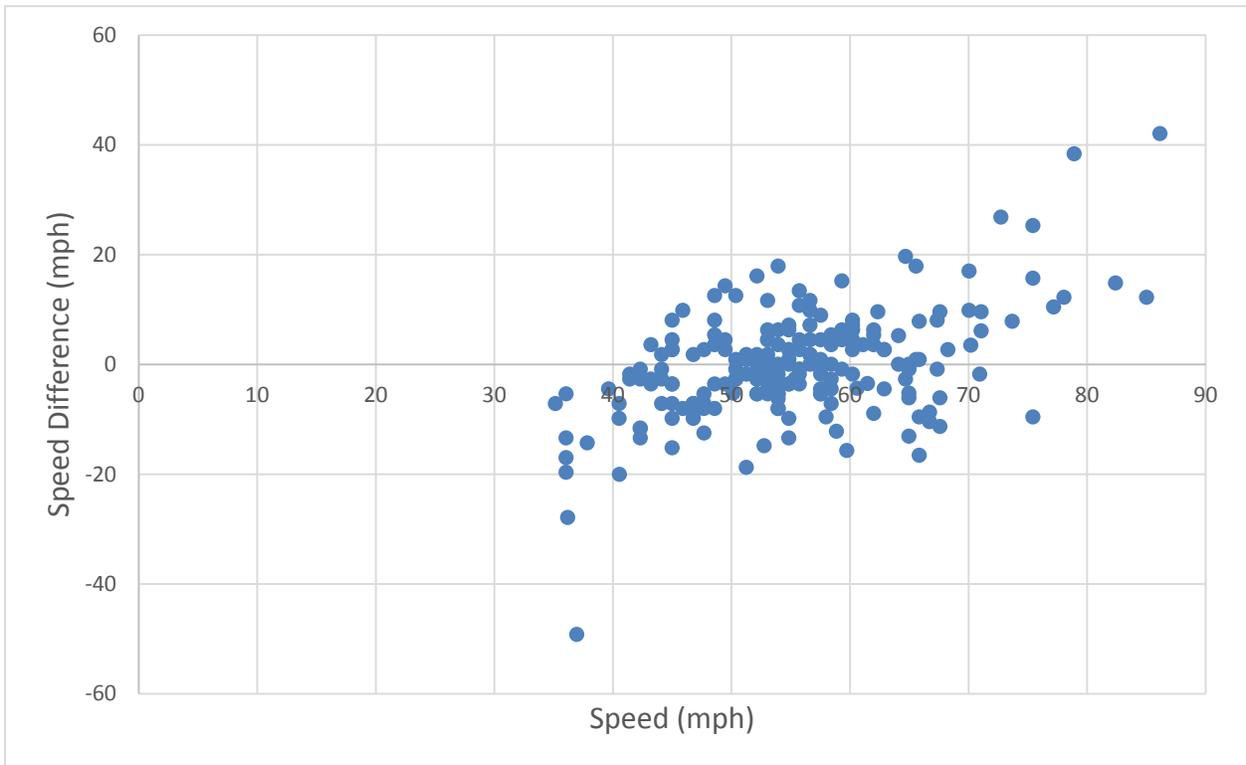


Figure C.57: Speed Difference vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 15

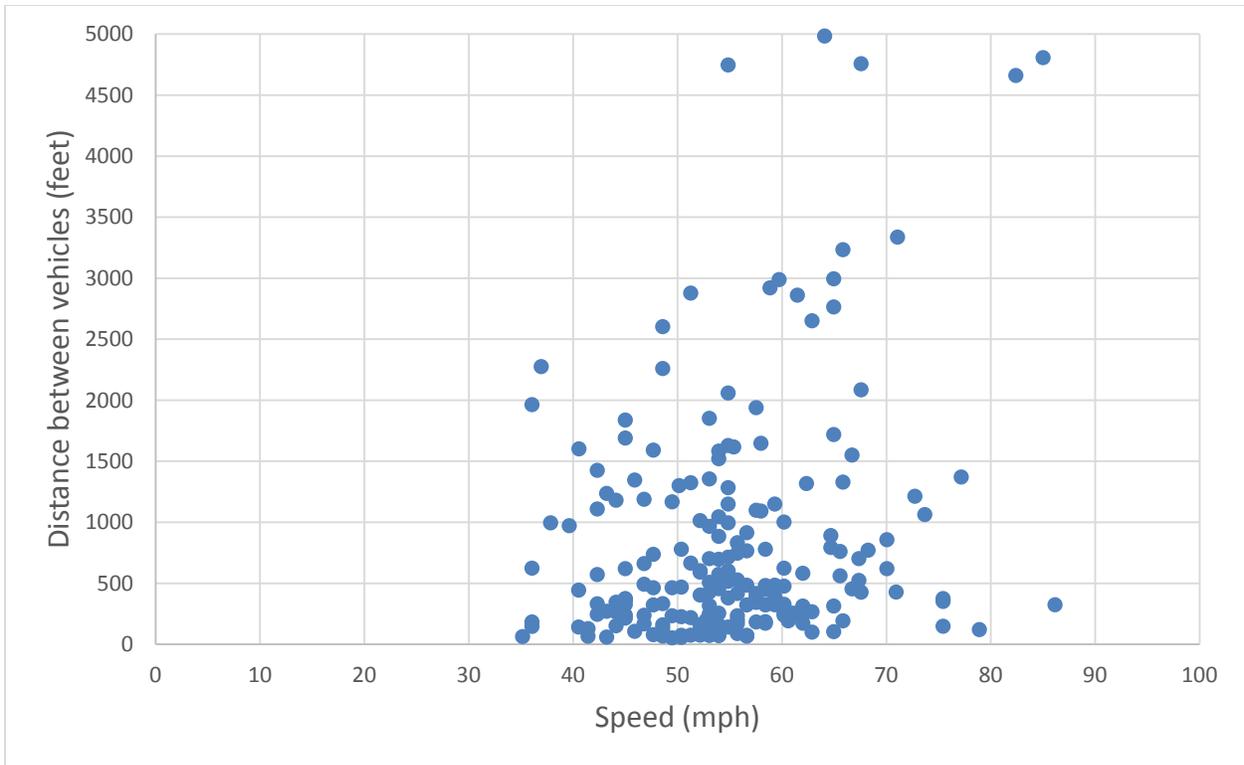


Figure C.58: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 15

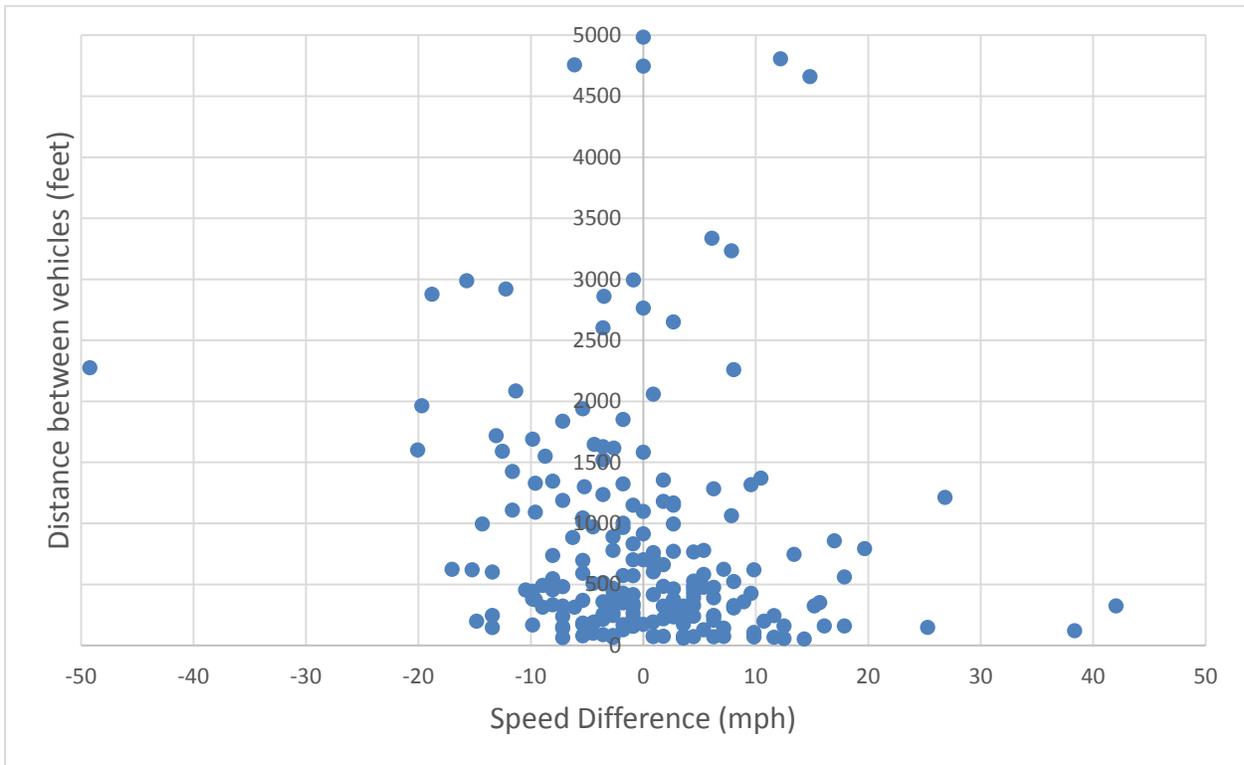


Figure C.59: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 15

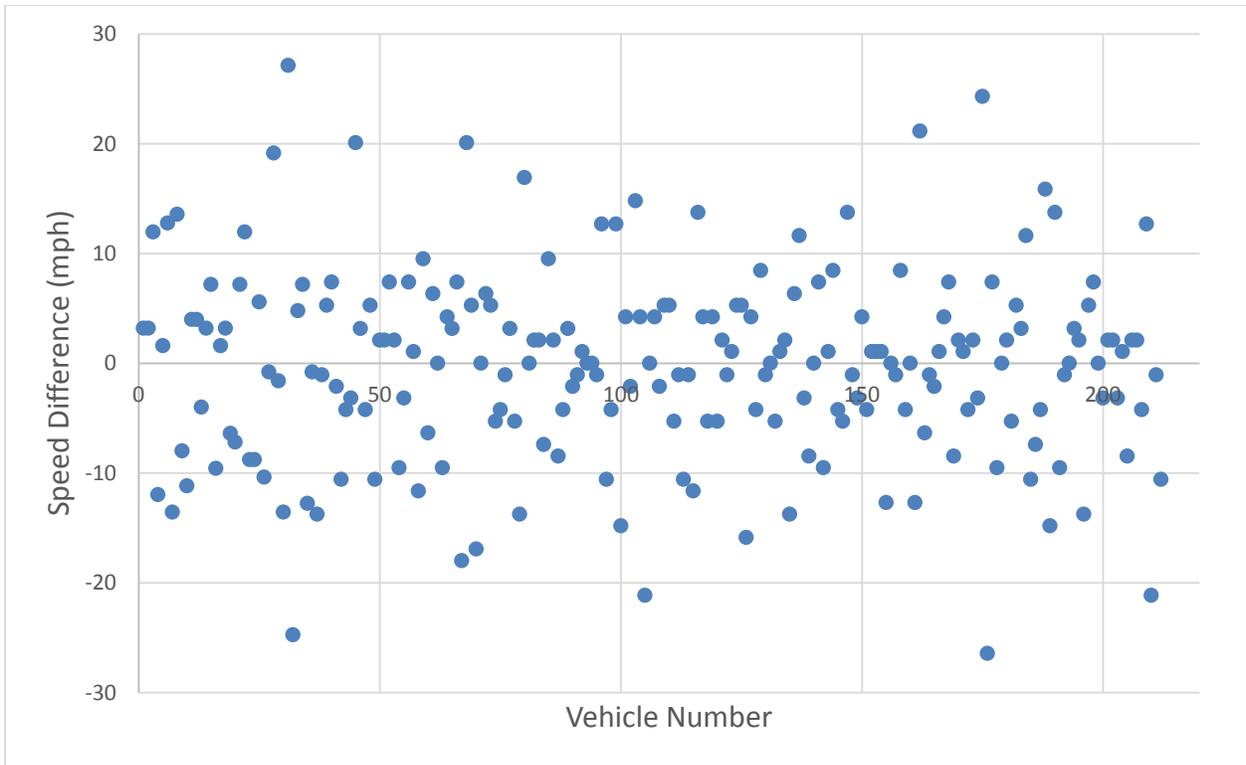


Figure C.60: Speed Difference, I-205, Sweeping, With RSS, Pole 20

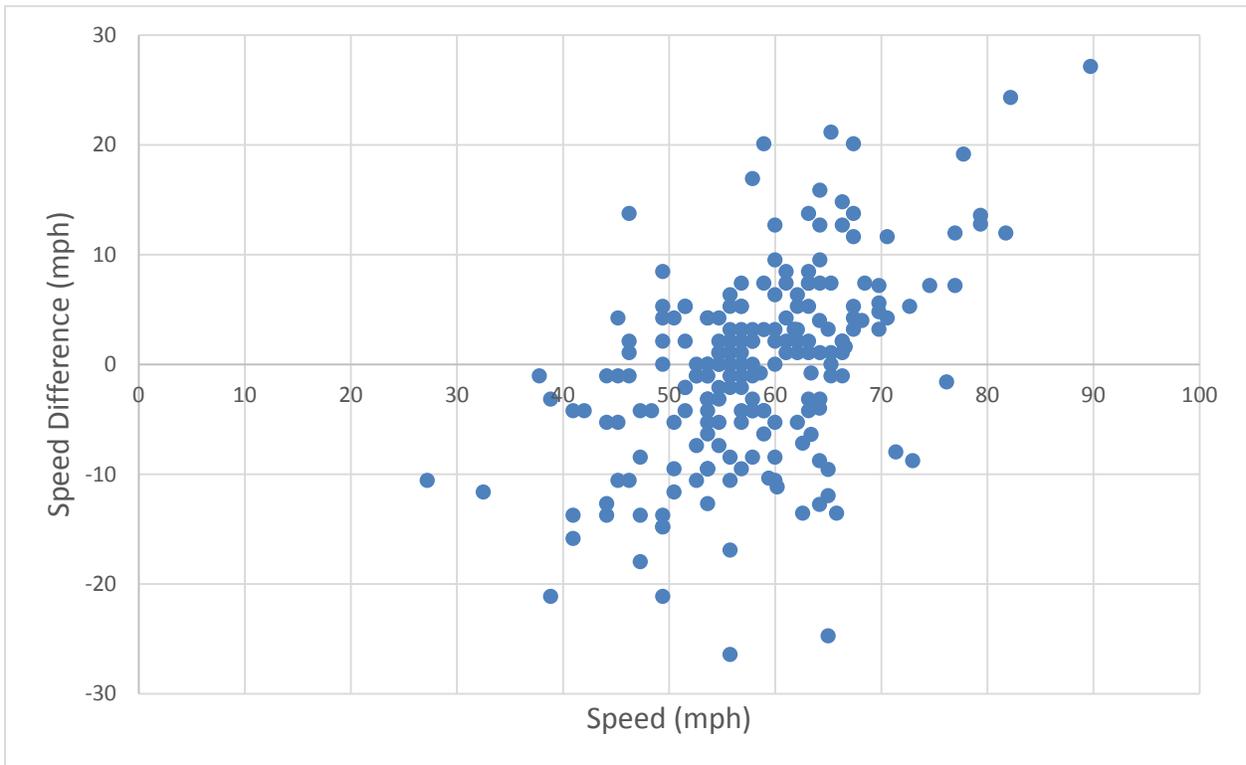


Figure C.61: Speed Difference vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 20

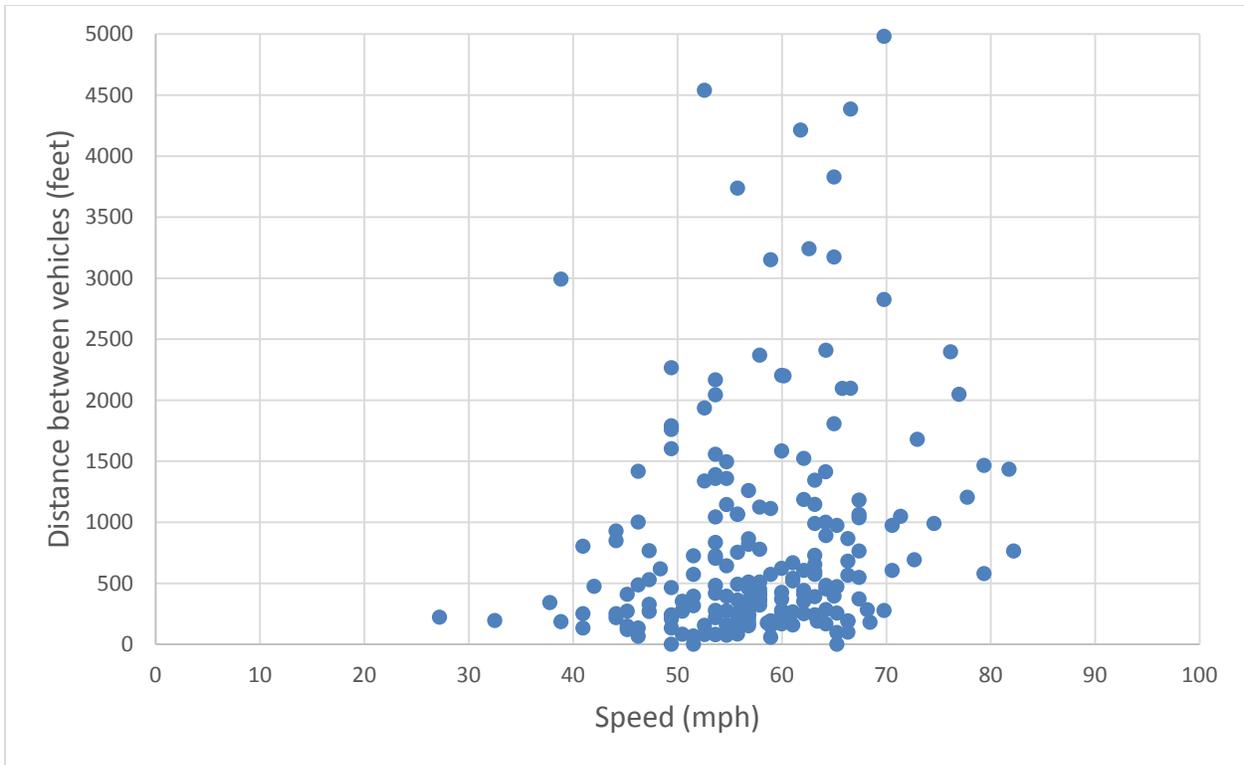


Figure C.62: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 20

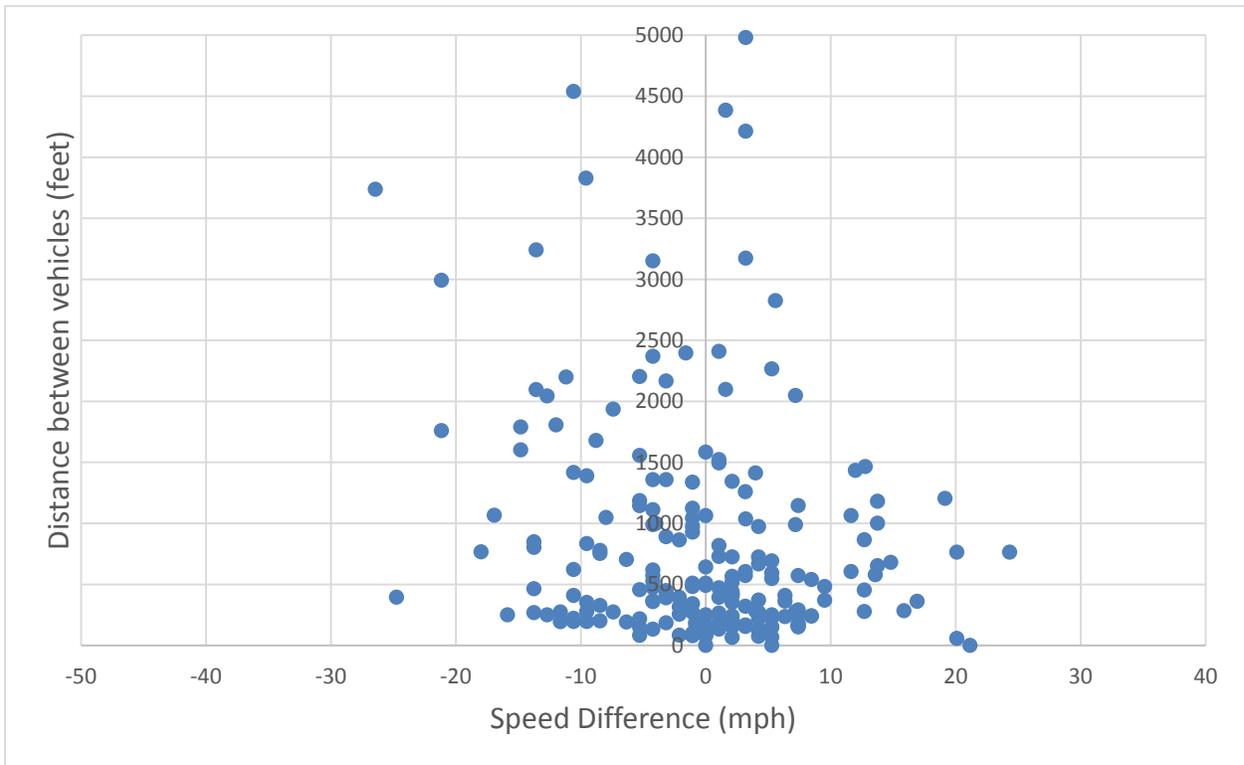


Figure C.63: Distance between Vehicles vs. Vehicle Speed, I-205, Sweeping, With RSS, Pole 20

Table C. 27: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Sweeping, RWA

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.83	7.29	0.46	0.3979
Passenger Cars	6.58	7.57	0.99	0.0857
Trucks	9.51	4.84	4.67	0.0084

Table C.28: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Sweeping, RWA

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS	Mean of positive value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.86	7.20	0.34	0.6628
Passenger Cars	6.85	7.31	0.46	0.5689
Trucks	7.06	4.86	2.21	0.2961

Table C.29: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Sweeping, RWA

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	940.45	1353.99	413.54	0.0010
Passenger Cars	954.58	1351.67	397.09	0.0034
Trucks	787.22	1374.55	587.32	0.0255

Table C.30: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.58	9.51	2.93	0.0050
Mean positive speed difference (mph)	6.85	7.06	0.22	0.8951
Mean distance between adjacent vehicles (feet)	954.58	787.22	167.35	0.4106

Table C.31: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.57	4.84	2.73	0.0989
Mean positive speed difference (mph)	7.31	4.86	2.45	0.4739
Mean distance between adjacent vehicles (feet)	1351.67	1374.55	22.88	0.9599

Table C.32: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, With and Without RSS, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.88	7.86	0.98	0.2703
Mean positive speed difference (mph)	6.99	6.54	0.45	0.7674
Mean distance between adjacent vehicles (feet)	1076.70	994.52	82.18	0.6867

Table C.33: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 1

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.93	8.38	1.44	0.0106
Passenger Cars	6.81	8.59	1.78	0.0033
Trucks	8.01	6.76	1.25	0.4084

Table C.34: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 1

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS	Mean of positive value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	7.19	9.54	2.35	0.0051
Passenger Cars	7.19	9.51	2.33	0.0075
Trucks	7.17	10.07	2.91	0.4250

Table C.35: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Sweeping, Pole 1

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	728.13	1074.11	345.98	0.0049
Passenger Cars	749.02	1129.34	380.32	0.0054
Trucks	547.72	662.23	114.51	0.4712

Table C.36: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.81	8.01	1.20	0.2012
Mean positive speed difference (mph)	7.19	7.17	0.02	0.9902
Mean distance between adjacent vehicles (feet)	749.02	547.72	201.30	0.3673

Table C.37: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	8.59	6.76	1.84	0.2812
Mean positive speed difference (mph)	9.51	10.07	0.56	0.8857
Mean distance between adjacent vehicles (feet)	1129.34	662.23	467.11	0.1414

Table C.38: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, With and Without RSS, Pole 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	7.36	7.58	0.23	0.7862
Mean positive speed difference (mph)	7.87	7.72	0.15	0.9213
Mean distance between adjacent vehicles (feet)	865.39	586.42	278.97	0.1286

Table C.39: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 5

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.76	5.69	1.07	0.0323
Passenger Cars	6.55	5.72	0.83	0.1106
Trucks	8.87	5.37	3.50	0.0506

Table C.40: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 5

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS	Mean of positive value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	7.43	6.64	0.79	0.2996
Passenger Cars	7.50	6.77	0.73	0.3513
Trucks	5.79	3.85	1.93	0.4571

Table C.41: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Sweeping, Pole 5

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	738.77	1007.92	269.15	0.0634
Passenger Cars	733.29	1032.69	299.40	0.0599
Trucks	794.80	792.88	1.92	0.9922

Table C.42: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 5

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.55	8.87	2.32	0.0286
Mean positive speed difference (mph)	7.50	5.79	1.71	0.4444
Mean distance between adjacent vehicles (feet)	733.29	794.80	61.52	0.8020

Table C.43: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 5

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.72	5.37	0.35	0.7675
Mean positive speed difference (mph)	6.77	3.85	2.91	0.3246
Mean distance between adjacent vehicles (feet)	1032.69	792.88	239.81	0.6278

Table C.44: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, With and Without RSS, Pole 5

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.28	7.61	1.33	0.1002
Mean positive speed difference (mph)	7.27	5.14	2.12	0.2343
Mean distance between adjacent vehicles (feet)	830.21	794.11	36.10	0.8772

Table C.45: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 10

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.06	5.78	0.28	0.5172
Passenger Cars	5.86	5.54	0.32	0.4726
Trucks	7.95	7.41	0.54	0.7395

Table C.46: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 10

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS	Mean of positive value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.35	6.04	0.32	0.6049
Passenger Cars	6.28	6.07	0.21	0.7384
Trucks	7.48	5.68	1.81	0.5306

Table C.47: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Sweeping, Pole 10

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	788.82	1059.90	271.09	0.1055
Passenger Cars	777.77	1109.10	331.33	0.0748
Trucks	893.30	721.18	172.11	0.4855

Table C.48: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 10

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.86	7.95	2.09	0.0163
Mean positive speed difference (mph)	6.28	7.48	1.21	0.4195
Mean distance between adjacent vehicles (feet)	777.77	893.30	115.52	0.6064

Table C.49: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 10

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.54	7.41	1.86	0.0593
Mean positive speed difference (mph)	6.07	5.68	0.39	0.8160
Mean distance between adjacent vehicles (feet)	1109.10	721.18	387.92	0.5179

Table C.50: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, With and Without RSS, Pole 10

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.76	7.74	1.98	0.0027
Mean positive speed difference (mph)	6.21	6.79	0.58	0.6048
Mean distance between adjacent vehicles (feet)	882.37	826.50	55.87	0.8266

Table C.51: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 15

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.15	6.90	0.74	0.1485
Passenger Cars	5.98	6.58	0.60	0.2322
Trucks	7.80	9.39	1.60	0.4890

Table C.52: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 15

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS	Mean of positive value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.56	7.55	0.99	0.2111
Passenger Cars	6.38	6.73	0.35	0.6153
Trucks	9.23	16.45	7.22	0.2426

Table C.53: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Sweeping, Pole 15

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	745.08	1086.41	341.32	0.1112
Passenger Cars	733.34	1111.55	378.21	0.1118
Trucks	852.70	889.44	36.74	0.8849

Table C.54: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 15

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	5.98	7.80	1.82	0.0474
Mean positive speed difference (mph)	6.38	9.23	2.85	0.0908
Mean distance between adjacent vehicles (feet)	733.34	852.70	119.36	0.7938

Table C.55: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 15

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.58	9.39	2.81	0.0597
Mean positive speed difference (mph)	6.73	16.45	9.73	0.0002
Mean distance between adjacent vehicles (feet)	1111.55	889.44	222.11	0.5791

Table C.56: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, With and Without RSS, Pole 15

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.17	8.37	2.20	0.0054
Mean positive speed difference (mph)	6.49	11.98	5.50	0.0001
Mean distance between adjacent vehicles (feet)	855.51	865.86	10.35	0.9750

Table C.57: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 20

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.65	6.55	0.10	0.8392
Passenger Cars	6.57	6.36	0.21	0.6745
Trucks	7.29	8.26	0.98	0.5379

Table C.58: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 20

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS	Mean of positive value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.90	6.57	0.33	0.6255
Passenger Cars	6.84	6.26	0.59	0.3948
Trucks	7.58	10.73	3.15	0.2982

Table C.59: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-205, Sweeping, Pole 20

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	846.74	1190.65	343.92	0.0137
Passenger Cars	737.82	1097.52	359.71	0.0030
Trucks	1752.87	2033.24	280.37	0.7334

Table C.60: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 20

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.57	7.29	0.72	0.4091
Mean positive speed difference (mph)	6.84	7.58	0.74	0.6196
Mean distance between adjacent vehicles (feet)	737.82	1752.87	1015.06	0.0000

Table C.61: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, Pole 20

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.36	8.26	1.90	0.1447
Mean positive speed difference (mph)	6.26	10.73	4.47	0.0404
Mean distance between adjacent vehicles (feet)	1097.52	2033.24	935.72	0.0710

Table C.62: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-205, Sweeping, With and Without RSS, Pole 20

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean absolute value of speed difference (mph)	6.50	7.59	1.09	0.1324
Mean positive speed difference (mph)	6.65	8.58	1.93	0.1156
Mean distance between adjacent vehicles (feet)	855.45	1839.46	984.01	0.0000

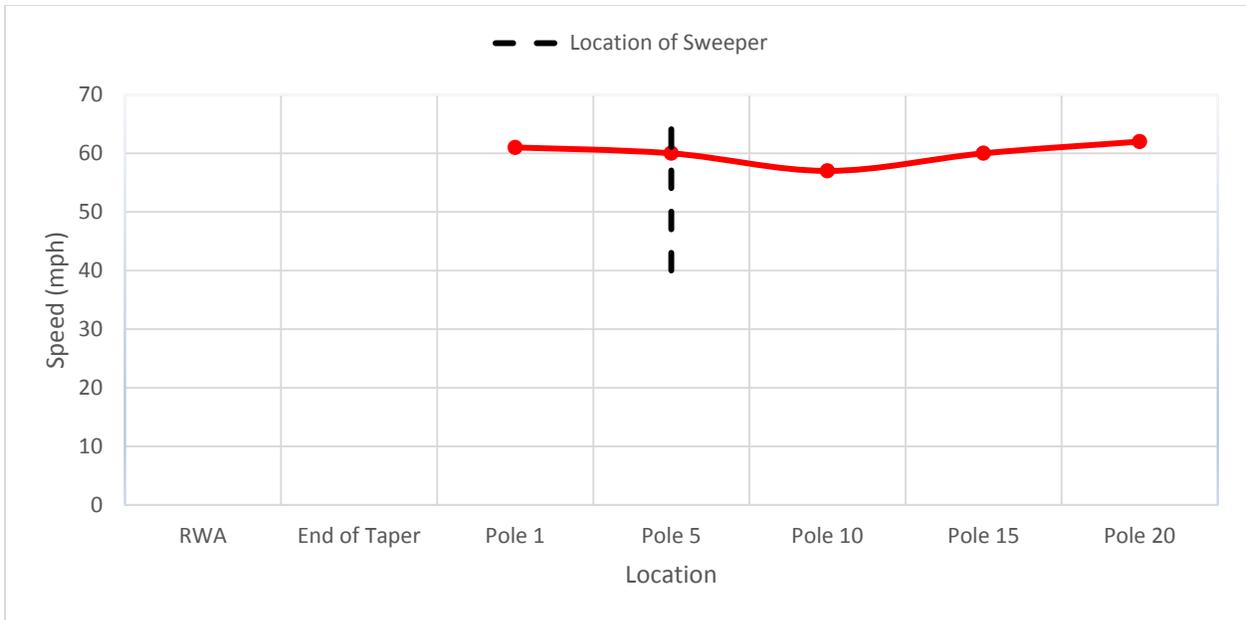


Figure C.64: Probe Vehicle, I-205, Sweeping, Without RSS, Trip 1

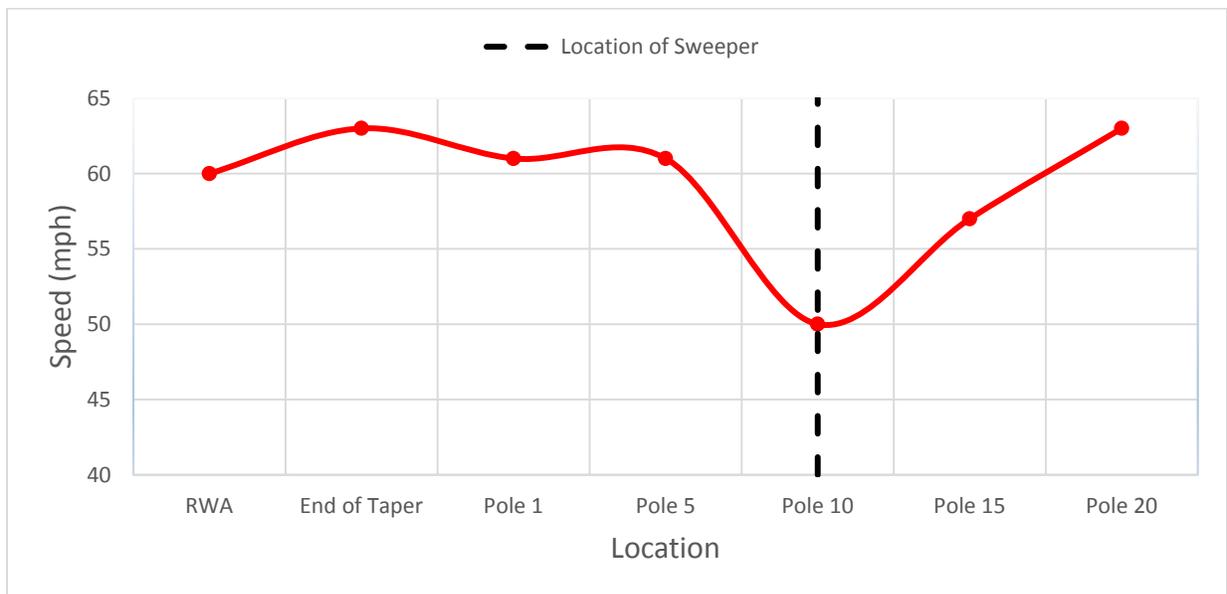


Figure C.65: Probe Vehicle, I-205, Sweeping, Without RSS, Trip 2

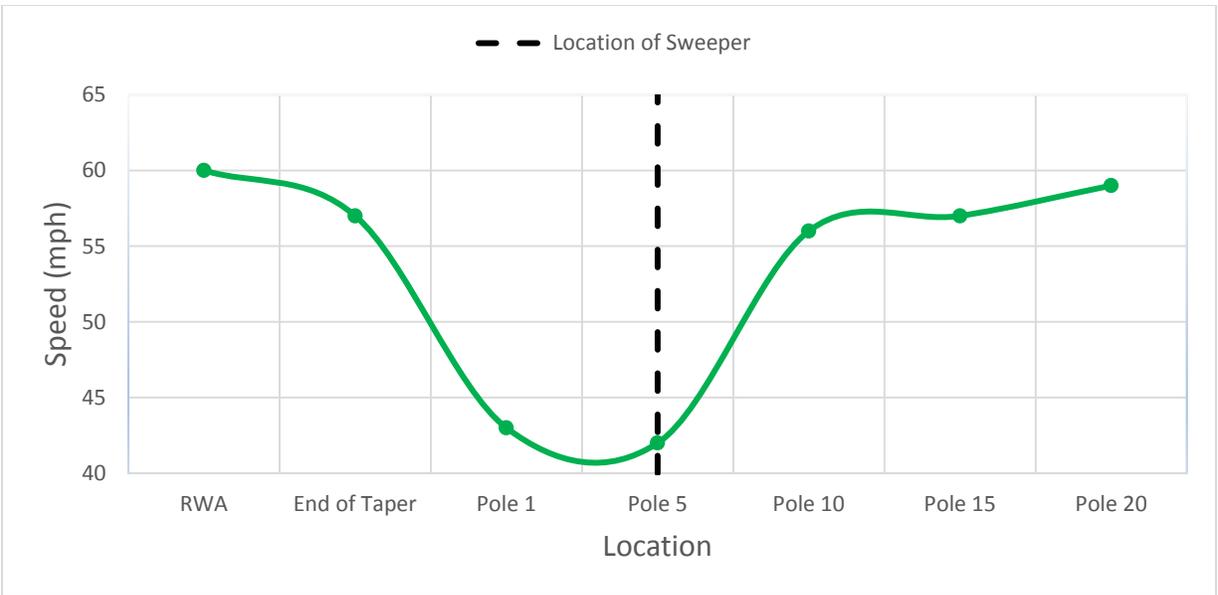


Figure C.66: Probe Vehicle, I-205, Sweeping, With RSS

APPENDIX D

CASE STUDY #3: I-84 (BANFIELD EXPRESSWAY), VACTORING

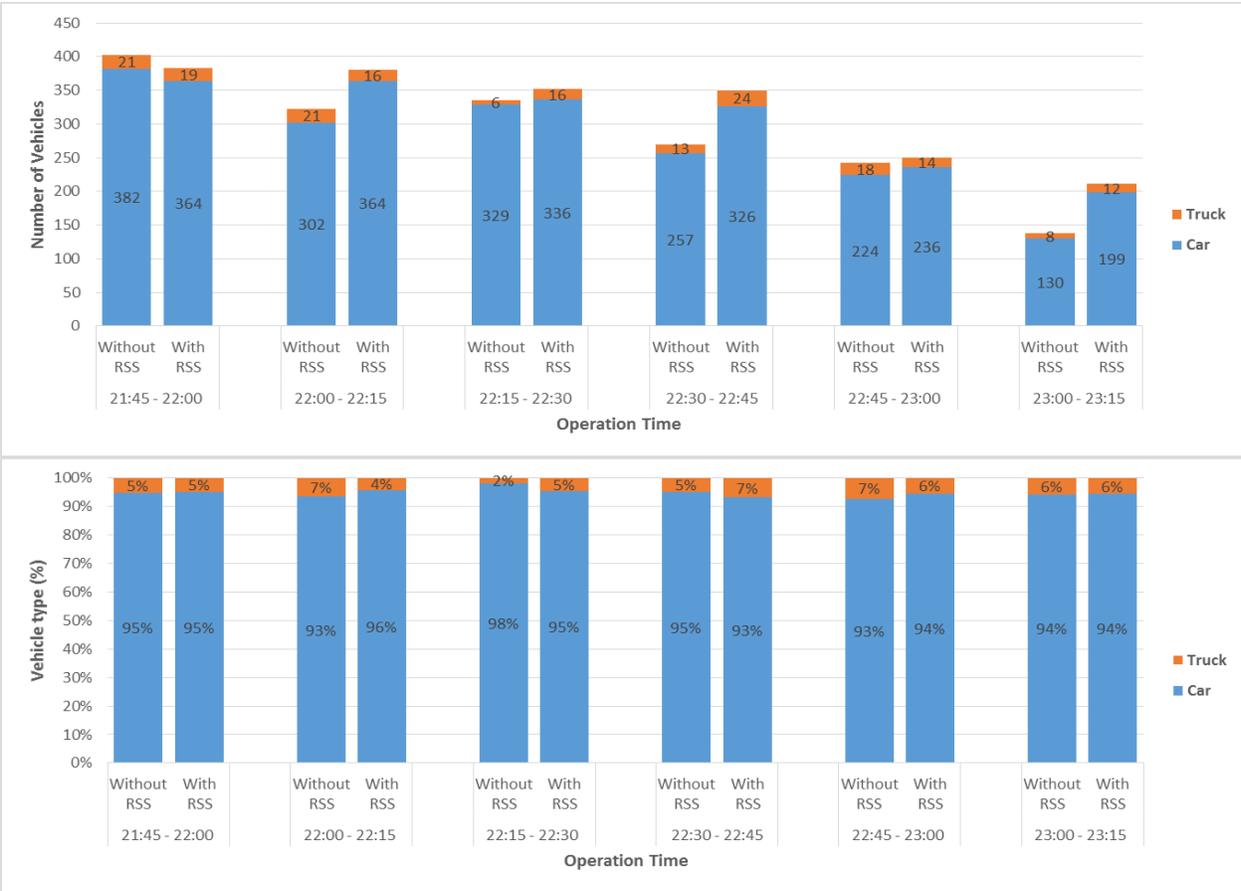


Figure D.1: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, I-84, Vactoring, RWA (Day 1, Without RSS) and RWA (Day 2, With RSS)

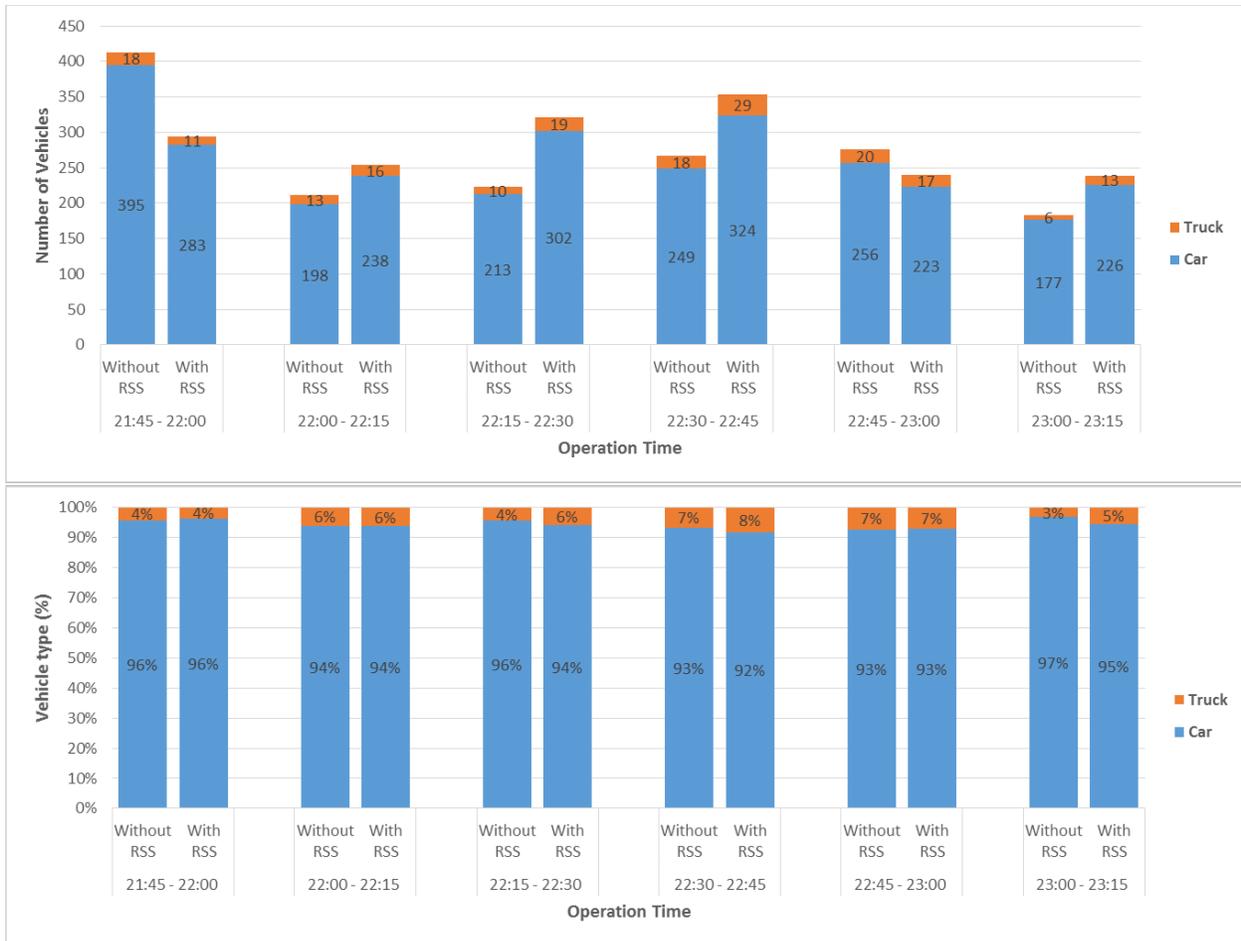


Figure D.2: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, I-84, Vactoring, Drain 1 (Day 1, Without RSS) and Drain 2 (Day 2, With RSS)

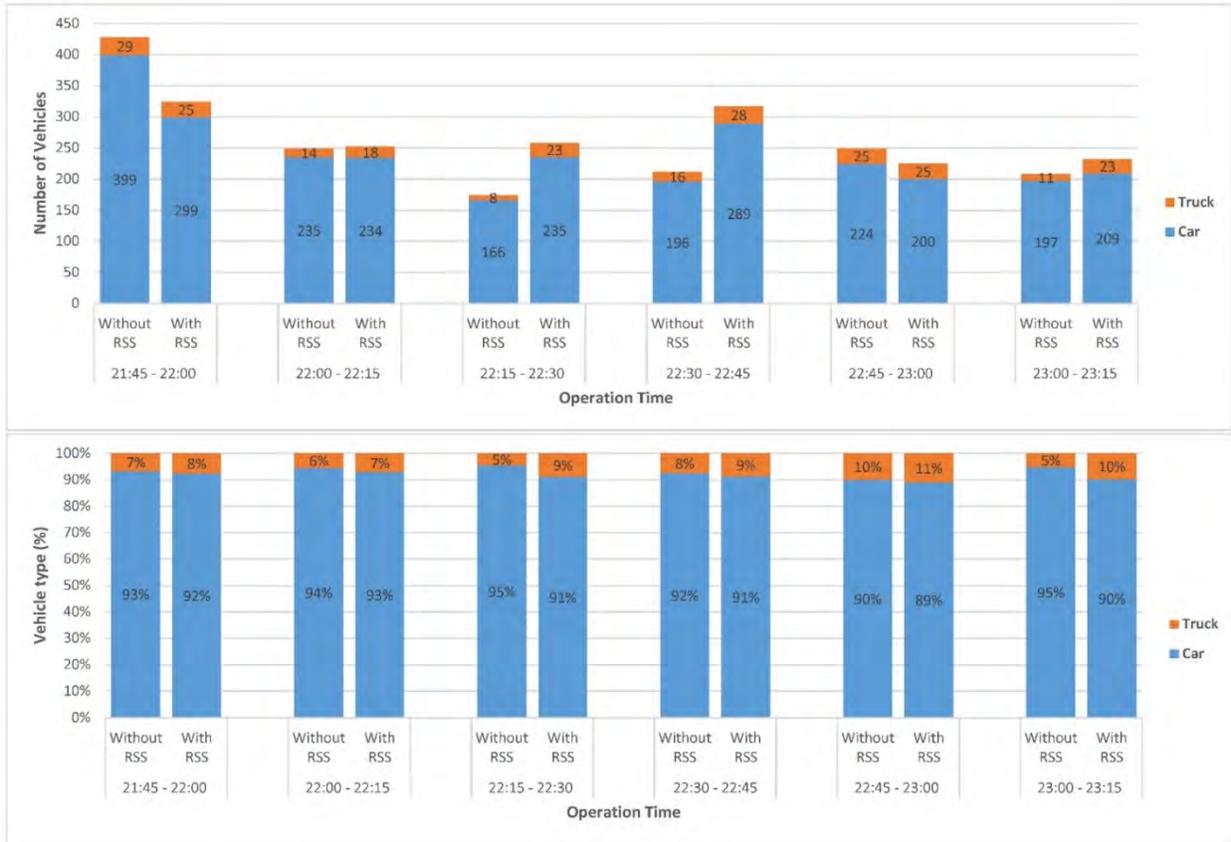


Figure D.3: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, I-84, Vactoring, Drain 3 (Day 1, Without RSS) and Drain 4 (Day 2, With RSS)

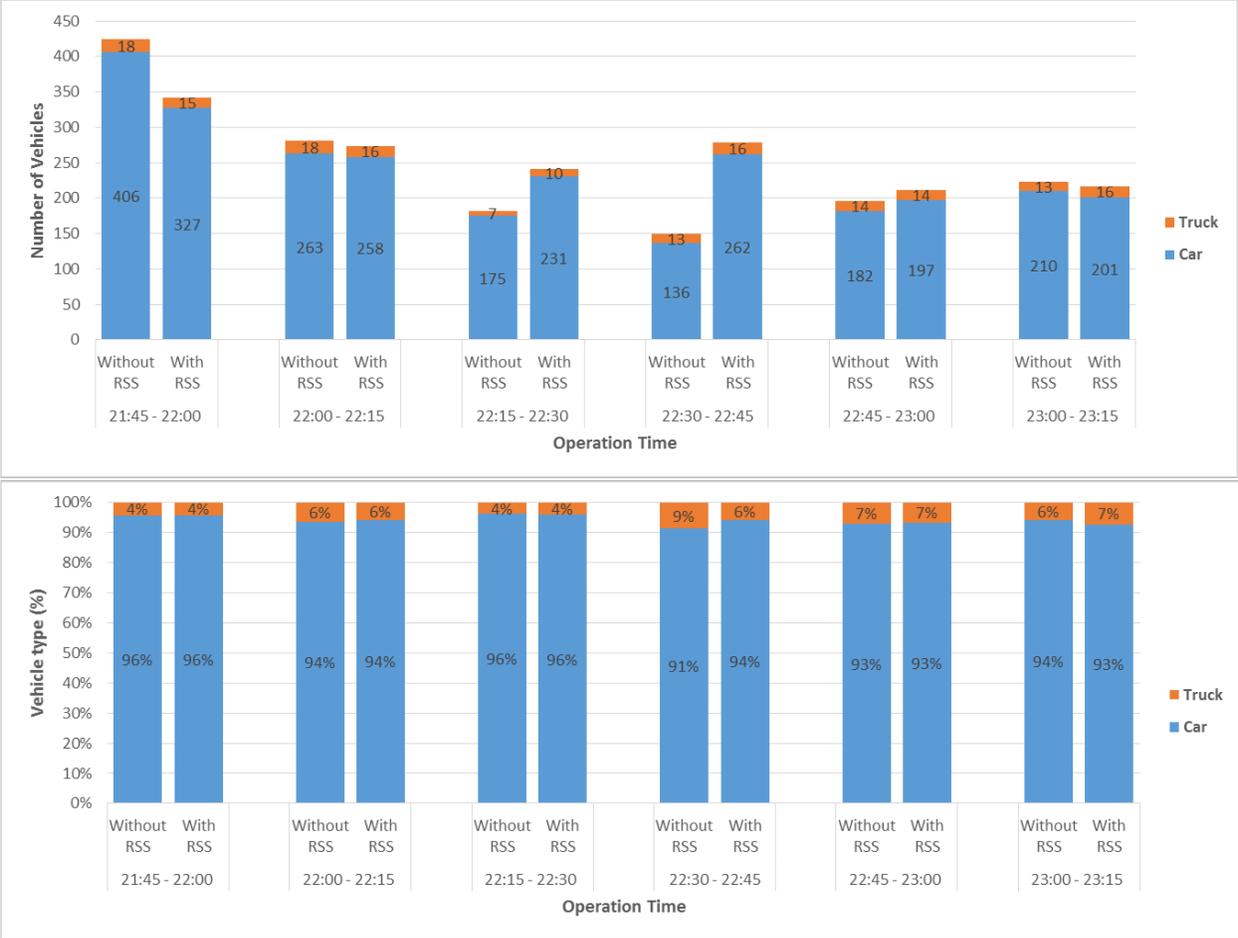


Figure D.4: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, I-84, Vactoring, Drain 5 (Day 1, Without RSS) and Drain 6 (Day 2, With RSS)

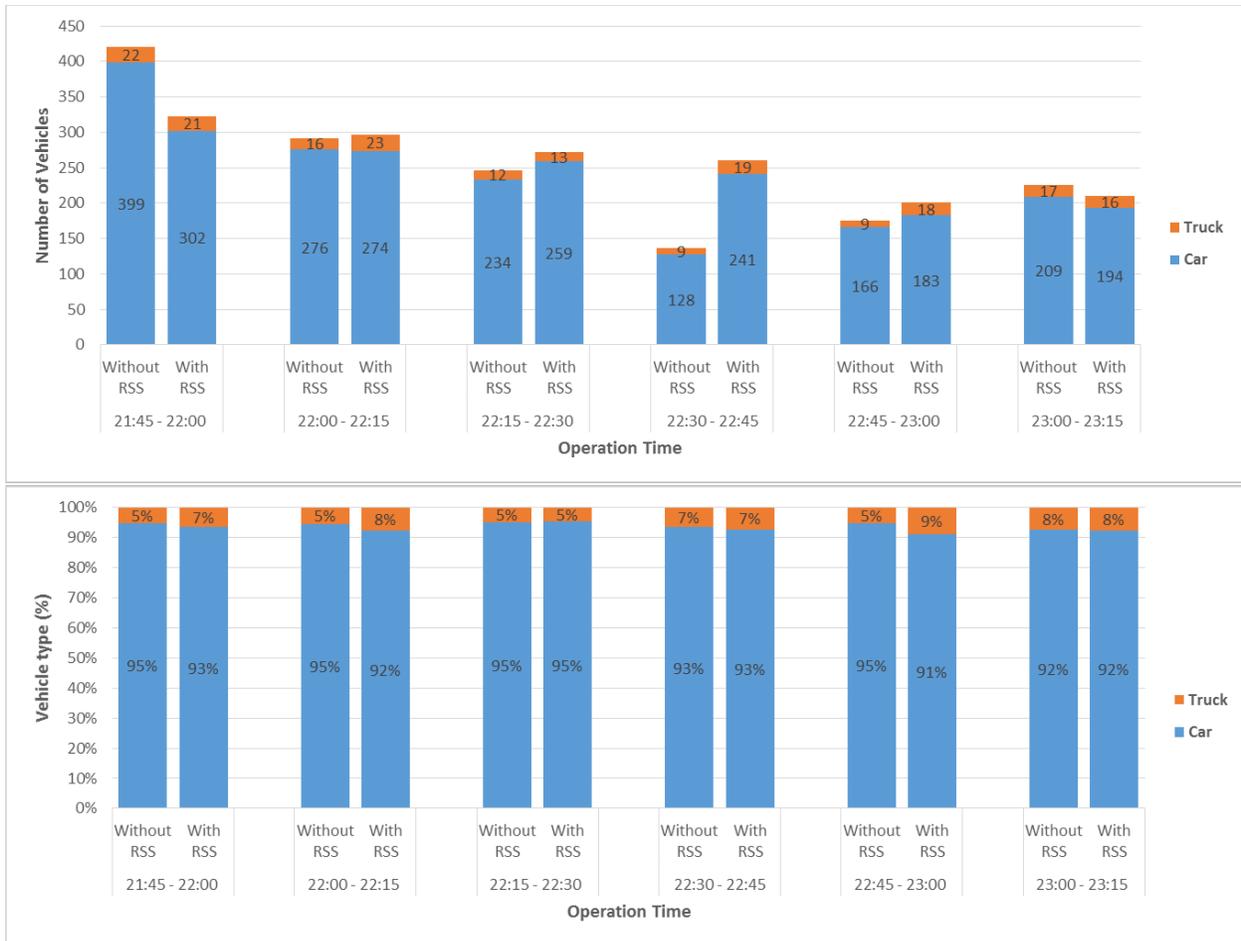


Figure D.5: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, I-84, Vactoring, Drain 7 (Day 1, Without RSS) and Drain 8 (Day 2, With RSS)

Table D.1: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, Without RSS (Day 1), RWA

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
25-29	0.2%	0.0%	0.3%	0.0%	0.7%	0.0%	0.0%
30-34	0.4%	0.0%	0.3%	0.0%	1.5%	0.0%	1.4%
35-39	0.7%	0.5%	1.2%	0.9%	0.0%	0.8%	0.7%
40-44	4.1%	2.5%	5.3%	3.3%	3.7%	2.5%	11.6%
45-49	8.9%	9.9%	10.2%	7.8%	8.5%	6.2%	10.9%
50-54	29.3%	31.0%	29.7%	23.6%	26.3%	36.0%	31.2%
55-59	29.5%	29.5%	27.9%	32.5%	28.9%	31.8%	23.2%
60-64	18.0%	19.1%	15.8%	20.0%	21.9%	14.9%	13.0%
65-69	5.9%	5.7%	5.0%	8.1%	6.3%	4.1%	5.8%
70-74	2.0%	1.0%	2.8%	2.4%	1.9%	2.5%	1.4%
>=75	0.9%	0.7%	1.5%	1.5%	0.4%	0.8%	0.0%
Total # of vehicles	1711	403	323	335	270	242	138
Average speed	56.1	56.2	55.6	57.3	56.3	56.0	53.8
St. Dev.	7.1	6.4	7.7	7.1	7.4	6.7	8.0
85th percentile	62.6	62.6	62.4	63.6	62.6	61.5	61.5
Min	19.8	36.5	26.2	37.0	27.1	19.8	20.9
Max	86.2	82.4	86.2	84.4	84.4	78.1	73.6
Range	66.4	45.9	59.9	47.4	57.3	58.3	52.8

Table D.2: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, Without RSS (Day 1), RWA

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%
25-29	0.2%	0.0%	0.3%	0.0%	0.8%	0.0%	0.0%
30-34	0.4%	0.0%	0.3%	0.0%	1.6%	0.0%	1.5%
35-39	0.6%	0.5%	0.7%	0.9%	0.0%	0.9%	0.8%
40-44	3.8%	2.4%	4.3%	3.3%	3.5%	1.8%	11.5%
45-49	8.6%	9.4%	9.9%	7.6%	8.2%	6.3%	10.8%
50-54	28.5%	30.4%	28.8%	23.4%	25.7%	34.4%	30.8%
55-59	30.4%	30.4%	29.8%	32.5%	29.6%	33.5%	22.3%
60-64	18.5%	19.6%	16.6%	20.1%	21.8%	15.6%	13.8%
65-69	6.1%	5.5%	5.3%	8.2%	6.6%	4.5%	6.2%
70-74	2.0%	1.0%	2.6%	2.4%	1.9%	2.2%	1.5%
>=75	0.9%	0.8%	1.3%	1.5%	0.4%	0.4%	0.0%
Total # of vehicles	1624	382	302	329	257	224	130
Average speed	56.2	56.3	56.0	57.4	56.4	56.1	53.8
St. Dev.	7.1	6.3	7.4	7.1	7.5	6.5	8.1
85th percentile	62.6	62.6	62.6	63.6	62.9	61.5	61.5
Min	19.8	36.5	26.2	37.0	27.1	19.8	20.9
Max	86.2	82.4	86.2	84.4	84.4	75.4	73.6
Range	66.4	45.9	59.9	47.4	57.3	55.6	52.8

Table D.3: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, Without RSS (Day 1), RWA

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	2.3%	0.0%	9.5%	0.0%	0.0%	0.0%	0.0%
40-44	10.3%	4.8%	19.0%	0.0%	7.7%	11.1%	12.5%
45-49	13.8%	19.0%	14.3%	16.7%	15.4%	5.6%	12.5%
50-54	43.7%	42.9%	42.9%	33.3%	38.5%	55.6%	37.5%
55-59	13.8%	14.3%	0.0%	33.3%	15.4%	11.1%	37.5%
60-64	9.2%	9.5%	4.8%	16.7%	23.1%	5.6%	0.0%
65-69	2.3%	9.5%	0.0%	0.0%	0.0%	0.0%	0.0%
70-74	2.3%	0.0%	4.8%	0.0%	0.0%	5.6%	0.0%
>=75	2.3%	0.0%	4.8%	0.0%	0.0%	5.6%	0.0%
Total # of vehicles	87	21	21	6	13	18	8
Average speed	53.6	54.6	50.9	55.6	54.2	54.8	53.3
St. Dev.	7.9	7.2	9.9	5.9	5.6	9.1	4.5
85th percentile	60.2	63.6	54.8	60.3	60.4	60.8	55.7
Min	37.0	43.8	37.0	45.9	44.8	43.8	44.8
Max	78.1	69.9	75.4	62.9	61.5	78.1	59.4
Range	41.2	26.1	38.5	17.0	16.7	34.3	14.6

Table D.4: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 1

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%
25-29	0.2%	0.0%	0.5%	0.4%	0.0%	0.4%	0.0%
30-34	0.8%	0.0%	3.8%	0.4%	1.1%	0.0%	0.0%
35-39	4.9%	0.7%	15.6%	12.6%	3.7%	1.1%	0.0%
40-44	7.1%	2.4%	17.1%	17.9%	5.2%	2.5%	2.2%
45-49	15.1%	14.0%	19.4%	20.2%	12.7%	15.9%	8.2%
50-54	27.8%	31.2%	25.1%	23.8%	27.0%	28.3%	29.0%
55-59	20.3%	23.7%	10.0%	14.3%	22.8%	19.6%	29.0%
60-64	16.7%	19.6%	6.6%	7.2%	19.1%	22.8%	20.2%
65-69	4.4%	4.6%	1.4%	2.2%	5.6%	5.8%	6.0%
70-74	1.8%	2.7%	0.5%	0.4%	1.5%	1.4%	3.8%
>=75	1.0%	1.0%	0.0%	0.0%	0.7%	2.2%	1.6%
Total # of vehicles	1573	413	211	223	267	276	183
Average speed	54.0	56.1	48.1	49.2	54.8	56.3	57.2
St. Dev.	8.3	6.9	8.2	8.1	8.1	7.5	6.9
85th percentile	62.1	63.0	56.5	57.5	62.1	63.0	62.9
Min	16.8	37.1	28.8	16.8	22.3	26.5	40.8
Max	83.4	82.5	73.2	71.3	76.0	83.4	81.5
Range	66.6	45.3	44.4	54.6	53.7	56.9	40.7

Table D.5: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, Without RSS (Day 1), Drain 1

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%
25-29	0.2%	0.0%	0.5%	0.5%	0.0%	0.4%	0.0%
30-34	0.7%	0.0%	4.0%	0.5%	0.8%	0.0%	0.0%
35-39	4.9%	0.5%	16.7%	12.7%	3.6%	0.8%	0.0%
40-44	6.9%	2.3%	16.2%	18.3%	5.2%	2.3%	2.3%
45-49	14.7%	13.2%	18.7%	20.2%	12.0%	16.8%	7.9%
50-54	27.6%	31.4%	25.3%	23.5%	26.1%	27.7%	28.8%
55-59	20.6%	24.3%	10.1%	14.1%	24.1%	19.5%	28.8%
60-64	17.1%	20.0%	7.1%	7.0%	20.1%	23.4%	20.3%
65-69	4.4%	4.6%	1.5%	2.3%	5.2%	5.9%	6.2%
70-74	1.7%	2.8%	0.0%	0.5%	1.6%	1.2%	4.0%
>=75	0.9%	1.0%	0.0%	0.0%	0.8%	2.0%	1.7%
Total # of vehicles	1488	395	198	213	249	256	177
Average speed	54.1	56.3	48.0	49.1	55.1	56.3	57.2
St. Dev.	8.2	6.8	8.2	8.1	8.0	7.3	6.9
85th percentile	62.1	63.0	56.5	57.5	62.4	63.0	62.8
Min	16.8	38.0	28.8	16.8	22.3	26.5	40.8
Max	83.4	82.5	68.6	71.3	76.0	83.4	81.5
Range	66.6	44.4	39.8	54.6	53.7	56.9	40.7

Table D.6: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, Without RSS (Day 1), Drain 1

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.2%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%
35-39	4.7%	5.6%	0.0%	10.0%	5.6%	5.0%	0.0%
40-44	9.4%	5.6%	30.8%	10.0%	5.6%	5.0%	0.0%
45-49	21.2%	33.3%	30.8%	20.0%	22.2%	5.0%	16.7%
50-54	31.8%	27.8%	23.1%	30.0%	38.9%	35.0%	33.3%
55-59	14.1%	11.1%	7.7%	20.0%	5.6%	20.0%	33.3%
60-64	9.4%	11.1%	0.0%	10.0%	5.6%	15.0%	16.7%
65-69	4.7%	5.6%	0.0%	0.0%	11.1%	5.0%	0.0%
70-74	2.4%	0.0%	7.7%	0.0%	0.0%	5.0%	0.0%
>=75	1.2%	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%
Total # of vehicles	85	18	13	10	18	20	6
Average speed	52.6	52.2	49.8	51.0	51.0	56.2	54.9
St. Dev.	8.7	7.5	8.4	7.6	9.0	10.3	6.2
85th percentile	61.2	60.3	55.2	58.7	58.7	61.9	59.1
Min	31.6	37.1	41.7	39.0	31.6	35.3	45.5
Max	83.4	65.8	73.2	63.0	66.7	83.4	63.9
Range	51.8	28.7	31.5	24.1	35.2	48.1	18.5

Table D.7: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 3

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%
30-34	0.6%	0.0%	0.0%	1.1%	3.3%	0.0%	0.0%
35-39	2.2%	0.2%	0.4%	10.3%	6.1%	0.4%	0.0%
40-44	4.3%	0.7%	2.4%	23.6%	5.7%	1.2%	0.0%
45-49	9.5%	4.0%	12.9%	25.3%	7.5%	10.0%	4.8%
50-54	21.4%	19.4%	28.5%	22.4%	20.3%	24.5%	13.9%
55-59	26.5%	29.4%	25.3%	10.9%	28.8%	29.7%	28.8%
60-64	23.0%	30.8%	20.5%	5.7%	19.3%	21.3%	29.8%
65-69	7.8%	9.8%	6.8%	0.0%	5.7%	8.0%	13.0%
70-74	3.6%	3.7%	2.8%	0.6%	1.4%	4.0%	8.2%
>=75	1.1%	1.9%	0.4%	0.0%	0.9%	0.8%	1.4%
Total # of vehicles	1520	428	249	174	212	249	208
Average speed	57.0	59.7	56.7	48.3	54.5	57.8	60.7
St. Dev.	8.0	6.4	6.7	7.1	9.4	6.6	6.4
85th percentile	65.0	65.9	63.1	55.4	63.1	64.8	66.9
Min	28.5	39.1	36.6	31.4	28.5	37.6	45.7
Max	91.3	91.3	75.5	74.6	85.2	76.5	76.5
Range	62.8	52.2	38.9	43.2	56.7	38.8	30.7

Table D. 8: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, Without RSS (Day 1), Drain 3

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%
30-34	0.6%	0.0%	0.0%	1.2%	3.6%	0.0%	0.0%
35-39	2.2%	0.0%	0.4%	10.8%	5.6%	0.4%	0.0%
40-44	4.4%	0.8%	2.6%	22.9%	6.1%	1.3%	0.0%
45-49	9.0%	4.0%	10.2%	25.3%	8.2%	9.8%	4.1%
50-54	21.0%	18.0%	28.9%	22.9%	18.9%	24.1%	14.2%
55-59	26.3%	29.8%	26.0%	10.2%	29.1%	28.1%	28.4%
60-64	23.9%	31.8%	21.3%	6.0%	20.4%	23.2%	30.5%
65-69	8.0%	10.0%	7.2%	0.0%	5.1%	8.5%	13.7%
70-74	3.5%	3.8%	3.0%	0.6%	1.0%	3.6%	8.6%
>=75	0.9%	1.8%	0.4%	0.0%	1.0%	0.9%	0.5%
Total # of vehicles	1417	399	235	166	196	224	197
Average speed	57.1	59.8	57.0	48.3	54.4	57.9	60.7
St. Dev.	7.9	6.2	6.7	7.2	9.4	6.7	6.3
85th percentile	65.0	65.9	64.0	55.4	63.0	65.0	66.9
Min	28.5	44.7	36.6	31.4	28.5	37.6	45.7
Max	85.2	81.3	75.5	74.6	85.2	76.5	76.5
Range	56.7	36.6	38.9	43.2	56.7	38.8	30.7

Table D.9: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, Without RSS (Day 1), Drain 3

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	2.9%	3.4%	0.0%	0.0%	12.5%	0.0%	0.0%
40-44	2.9%	0.0%	0.0%	37.5%	0.0%	0.0%	0.0%
45-49	15.5%	3.4%	57.1%	25.0%	0.0%	12.0%	18.2%
50-54	28.2%	37.9%	21.4%	12.5%	37.5%	28.0%	9.1%
55-59	29.1%	24.1%	14.3%	25.0%	25.0%	44.0%	36.4%
60-64	9.7%	17.2%	7.1%	0.0%	6.3%	4.0%	18.2%
65-69	4.9%	6.9%	0.0%	0.0%	12.5%	4.0%	0.0%
70-74	3.9%	3.4%	0.0%	0.0%	6.3%	8.0%	0.0%
>=75	2.9%	3.4%	0.0%	0.0%	0.0%	0.0%	18.2%
Total # of vehicles	103	29	14	8	16	25	11
Average speed	56.0	58.3	51.5	49.0	55.3	57.0	59.9
St. Dev.	8.2	9.2	4.2	5.4	9.3	6.1	9.3
85th percentile	63.0	64.8	55.4	56.1	65.5	60.4	69.7
Min	37.2	39.1	46.8	42.0	37.2	47.7	47.8
Max	91.3	91.3	62.0	56.3	70.7	72.7	76.5
Range	54.2	52.2	15.2	14.4	33.6	24.9	28.7

Table D.10: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 5

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
30-34	0.7%	0.0%	0.0%	0.5%	1.3%	3.6%	0.0%
35-39	1.7%	0.2%	0.0%	6.0%	7.4%	1.0%	0.0%
40-44	4.4%	0.9%	1.4%	11.5%	11.4%	8.2%	0.9%
45-49	10.7%	3.1%	6.8%	20.9%	25.5%	18.4%	4.9%
50-54	26.5%	23.3%	30.2%	23.1%	32.2%	29.1%	24.2%
55-59	29.2%	35.6%	33.1%	22.5%	12.8%	24.5%	32.7%
60-64	17.7%	25.0%	19.2%	8.8%	6.7%	9.7%	23.8%
65-69	6.5%	7.8%	6.8%	5.5%	1.3%	2.6%	11.7%
70-74	1.9%	3.5%	1.8%	0.5%	0.7%	1.5%	1.3%
>=75	0.5%	0.5%	0.7%	0.5%	0.7%	0.5%	0.4%
Total # of vehicles	1455	424	281	182	149	196	223
Average speed	55.8	58.4	57.1	52.2	50.4	52.6	58.4
St. Dev.	7.2	5.6	5.8	7.8	7.3	8.2	5.6
85th percentile	62.1	63.1	63.1	60.1	57.3	59.3	64.0
Min	18.9	38.1	40.0	32.6	34.3	18.9	43.9
Max	83.3	77.2	83.3	76.5	80.5	78.5	77.5
Range	64.3	39.1	43.2	43.9	46.3	59.5	33.6

Table D.11: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, Without RSS (Day 1), Drain 5

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.1%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
30-34	0.7%	0.0%	0.0%	0.6%	1.5%	3.8%	0.0%
35-39	1.7%	0.2%	0.0%	6.3%	7.4%	1.1%	0.0%
40-44	4.4%	1.0%	1.5%	12.0%	11.0%	7.7%	1.0%
45-49	9.9%	2.7%	5.7%	20.0%	25.0%	17.0%	4.8%
50-54	26.1%	22.2%	30.0%	23.4%	33.1%	29.7%	23.3%
55-59	29.2%	35.7%	33.1%	21.7%	13.2%	24.7%	31.9%
60-64	18.6%	25.9%	20.2%	9.1%	7.4%	10.4%	24.8%
65-69	6.8%	8.1%	6.8%	5.7%	1.5%	2.2%	12.4%
70-74	2.0%	3.7%	1.9%	0.6%	0.0%	1.6%	1.4%
>=75	0.5%	0.5%	0.8%	0.6%	0.0%	0.5%	0.5%
Total # of vehicles	1372	406	263	175	136	182	210
Average speed	55.9	58.6	57.3	52.2	50.2	52.7	58.5
St. Dev.	7.2	5.6	5.8	7.9	6.9	8.4	5.7
85th percentile	62.1	63.7	63.1	60.2	57.3	59.3	64.6
Min	18.9	38.1	40.0	32.6	34.3	18.9	43.9
Max	83.3	77.2	83.3	76.5	66.0	78.5	77.5
Range	64.3	39.1	43.2	43.9	31.7	59.5	33.6

Table D.12: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, Without RSS (Day 1), Drain 5

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	1.2%	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%
40-44	4.8%	0.0%	0.0%	0.0%	15.4%	14.3%	0.0%
45-49	22.9%	11.1%	22.2%	42.9%	30.8%	35.7%	17.7%
50-54	32.5%	50.0%	33.3%	14.3%	23.1%	21.4%	38.5%
55-59	30.1%	33.3%	33.3%	42.9%	7.7%	21.4%	46.2%
60-64	3.6%	5.6%	5.6%	0.0%	0.0%	0.0%	17.7%
65-69	2.4%	0.0%	5.6%	0.0%	0.0%	7.1%	0.0%
70-74	1.2%	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%
>=75	1.2%	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%
Total # of vehicles	83	18	18	7	13	14	13
Average speed	53.8	54.4	54.9	51.9	52.6	51.8	55.8
St. Dev.	6.3	3.9	5.4	4.9	11.4	6.1	3.3
85th percentile	58.3	57.8	58.3	57.0	58.5	56.2	59.3
Min	39.1	46.8	46.8	45.8	39.1	42.9	48.6
Max	80.5	63.1	67.9	57.3	80.5	66.9	60.2
Range	41.5	16.3	21.1	11.5	41.5	24.0	11.6

Table D.13: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 7

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
25-29	0.2%	0.0%	0.3%	0.0%	0.0%	1.1%	0.0%
30-34	1.1%	0.2%	0.3%	0.8%	4.4%	4.0%	0.0%
35-39	2.7%	0.7%	0.3%	0.8%	10.2%	10.9%	0.4%
40-44	7.7%	4.5%	4.8%	5.3%	21.9%	19.4%	2.7%
45-49	17.4%	11.4%	17.5%	20.7%	34.3%	23.4%	9.7%
50-54	22.9%	23.5%	21.2%	25.2%	19.0%	20.0%	26.1%
55-59	25.1%	34.0%	25.7%	23.2%	6.6%	13.7%	29.6%
60-64	12.8%	15.4%	15.8%	14.2%	2.2%	4.6%	15.5%
65-69	6.5%	5.9%	9.2%	6.5%	0.7%	2.3%	10.6%
70-74	2.2%	2.9%	3.4%	1.2%	0.0%	0.6%	3.1%
>=75	1.3%	1.4%	1.4%	2.0%	0.7%	0.0%	1.8%
Total # of vehicles	1497	421	292	246	137	175	226
Average speed	54.5	56.5	56.1	55.1	47.0	48.4	57.3
St. Dev.	8.4	7.3	7.9	7.8	7.2	8.2	7.6
85th percentile	62.5	63.1	63.7	62.5	53.1	56.2	65.2
Min	24.9	33.1	29.4	33.1	30.3	28.5	24.9
Max	90.6	90.6	84.6	90.6	81.0	72.4	84.0
Range	65.8	57.6	55.3	57.6	50.8	43.9	59.1

Table D.14: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, Without RSS (Day 1), Drain 7

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
25-29	0.2%	0.0%	0.4%	0.0%	0.0%	1.2%	0.0%
30-34	1.2%	0.3%	0.4%	0.9%	4.7%	4.2%	0.0%
35-39	2.8%	0.8%	0.4%	0.9%	10.2%	11.4%	0.5%
40-44	7.7%	4.8%	5.1%	5.6%	21.9%	17.5%	2.9%
45-49	17.2%	10.5%	17.4%	21.4%	34.4%	24.1%	9.1%
50-54	23.1%	23.3%	21.4%	24.4%	19.5%	21.1%	27.3%
55-59	24.8%	33.8%	25.0%	23.1%	6.3%	13.3%	29.7%
60-64	13.3%	16.3%	15.9%	14.5%	2.3%	4.8%	16.3%
65-69	6.2%	6.0%	9.1%	6.0%	0.0%	2.4%	10.0%
70-74	2.1%	3.0%	3.6%	1.3%	0.0%	0.0%	2.4%
>=75	1.3%	1.3%	1.4%	2.1%	0.8%	0.0%	1.4%
Total # of vehicles	1412	399	276	234	128	166	209
Average speed	54.4	56.5	56.1	55.0	46.8	48.3	57.1
St. Dev.	8.4	7.3	8.0	7.9	7.2	8.1	7.4
85th percentile	62.5	63.1	64.0	62.5	52.7	56.2	64.3
Min	24.9	33.1	29.4	33.1	30.3	28.5	24.9
Max	90.6	90.6	84.6	90.6	81.0	69.7	84.0
Range	65.8	57.6	55.3	57.6	50.8	41.2	59.1

Table D.15: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, Without RSS (Day 1), Drain 7

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	1.2%	0.0%	0.0%	0.0%	11.1%	0.0%	0.0%
40-44	8.2%	0.0%	0.0%	0.0%	22.2%	55.6%	0.0%
45-49	20.0%	27.3%	18.8%	8.3%	33.3%	11.1%	17.6%
50-54	20.0%	27.3%	18.8%	41.7%	11.1%	0.0%	11.8%
55-59	29.4%	36.4%	37.5%	25.0%	11.1%	22.2%	29.4%
60-64	4.7%	0.0%	12.5%	8.3%	0.0%	0.0%	5.9%
65-69	10.6%	4.5%	12.5%	16.7%	11.1%	0.0%	17.6%
70-74	3.5%	0.0%	0.0%	0.0%	0.0%	11.1%	11.8%
>=75	2.4%	4.5%	0.0%	0.0%	0.0%	0.0%	5.9%
Total # of vehicles	85	22	16	12	9	9	17
Average speed	55.6	55.2	56.5	57.0	49.7	50.0	60.2
St. Dev.	8.2	7.0	5.7	6.4	8.1	10.6	9.1
85th percentile	65.2	57.9	62.1	62.9	56.2	58.0	69.3
Min	38.3	46.3	48.2	48.2	38.3	41.9	48.7
Max	82.2	79.5	67.9	69.7	65.2	72.4	82.2
Range	43.9	33.2	19.7	21.5	26.9	30.5	33.5

Table D.16: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, With RSS (Day 2), RWA

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
25-29	0.4%	0.3%	0.0%	0.6%	0.6%	0.4%	0.5%
30-34	0.4%	0.5%	0.8%	0.3%	0.3%	0.0%	0.0%
35-39	0.8%	1.8%	0.5%	0.3%	0.3%	1.6%	0.0%
40-44	3.0%	5.7%	2.9%	1.7%	2.3%	3.2%	1.4%
45-49	8.6%	10.2%	10.8%	7.7%	7.4%	4.0%	10.9%
50-54	23.7%	24.0%	24.5%	26.1%	25.4%	20.4%	19.0%
55-59	32.0%	31.3%	31.8%	37.5%	32.9%	25.6%	30.3%
60-64	17.6%	14.9%	16.3%	15.6%	16.0%	22.0%	25.6%
65-69	8.2%	7.8%	8.2%	6.5%	7.4%	12.4%	7.6%
70-74	2.9%	1.6%	2.6%	1.7%	3.4%	6.0%	3.3%
>=75	2.4%	1.8%	1.6%	1.7%	4.0%	4.4%	1.4%
Total # of vehicles	1926	383	380	352	350	250	211
Average speed	57.3	56.0	56.9	56.9	57.7	59.6	58.0
St. Dev.	8.0	8.1	7.5	7.4	8.3	9.1	7.1
85th percentile	64.7	63.2	64.2	63.6	64.7	67.8	63.9
Min	23.0	27.2	31.4	23.0	26.1	27.2	26.1
Max	93.8	93.8	88.5	89.6	91.7	93.8	80.1
Range	70.9	66.6	57.1	66.6	65.6	66.6	53.9

Table D.17: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, With RSS (Day 2), RWA

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
25-29	0.4%	0.3%	0.0%	0.6%	0.6%	0.4%	0.5%
30-34	0.3%	0.3%	0.8%	0.3%	0.3%	0.0%	0.0%
35-39	0.8%	1.9%	0.5%	0.3%	0.3%	1.7%	0.0%
40-44	2.9%	5.2%	3.0%	1.8%	2.5%	2.5%	1.5%
45-49	8.3%	9.9%	10.7%	7.7%	7.1%	3.4%	10.1%
50-54	22.8%	23.6%	23.1%	25.0%	23.9%	20.3%	18.1%
55-59	32.4%	31.6%	32.4%	37.8%	33.4%	26.7%	30.2%
60-64	18.4%	15.7%	16.8%	16.1%	16.9%	22.9%	27.1%
65-69	8.4%	8.2%	8.2%	6.5%	8.0%	12.7%	7.5%
70-74	3.0%	1.6%	2.7%	1.8%	3.4%	5.9%	3.5%
>=75	2.2%	1.6%	1.6%	1.8%	3.7%	3.4%	1.5%
Total # of vehicles	1825	364	364	336	326	236	199
Average speed	57.4	56.2	57.1	57.0	57.8	59.5	58.3
St. Dev.	7.8	7.8	7.6	7.5	8.0	8.6	7.1
85th percentile	64.7	63.2	64.2	63.6	64.8	67.7	64.2
Min	23.0	27.2	31.4	23.0	26.1	27.2	26.1
Max	93.8	84.3	88.5	89.6	88.5	93.8	80.1
Range	70.9	57.1	57.1	66.6	62.4	66.6	53.9

Table D.18: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, With RSS (Day 2), RWA

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	1.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
40-44	5.0%	15.8%	0.0%	0.0%	0.0%	14.3%	0.0%
45-49	13.9%	15.8%	12.5%	6.3%	12.5%	14.3%	25.0%
50-54	40.6%	31.6%	56.3%	50.0%	45.8%	21.4%	33.3%
55-59	23.8%	26.3%	18.8%	31.3%	25.0%	7.1%	33.3%
60-64	4.0%	0.0%	6.3%	6.3%	4.2%	7.1%	0.0%
65-69	4.0%	0.0%	6.3%	6.3%	0.0%	7.1%	8.3%
70-74	2.0%	0.0%	0.0%	0.0%	4.2%	7.1%	0.0%
>=75	5.9%	5.3%	0.0%	0.0%	8.3%	21.4%	0.0%
Total # of vehicles	101	19	16	16	24	14	12
Average speed	55.6	51.9	54.4	55.2	57.0	61.6	54.0
St. Dev.	10.5	12.1	5.4	4.6	11.5	16.1	5.9
85th percentile	61.0	56.5	57.9	56.8	59.9	81.6	59.0
Min	32.5	32.5	45.2	49.0	48.0	43.8	45.9
Max	93.8	93.8	66.7	67.4	91.7	89.6	65.3
Range	61.3	61.3	21.6	18.4	43.8	45.8	19.4

Table D.19: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 2

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
20-24	0.7%	0.3%	2.0%	0.9%	0.3%	0.4%	0.4%
25-29	1.6%	1.0%	8.3%	0.6%	0.0%	0.0%	0.8%
30-34	3.1%	5.8%	11.4%	0.9%	0.3%	0.0%	1.3%
35-39	7.3%	14.6%	17.7%	8.1%	2.0%	0.8%	0.8%
40-44	9.7%	18.7%	17.3%	11.5%	3.4%	3.8%	3.3%
45-49	17.0%	18.0%	20.5%	27.4%	11.3%	12.1%	11.3%
50-54	24.2%	15.3%	14.6%	28.7%	31.2%	29.2%	24.3%
55-59	17.6%	12.9%	5.5%	13.4%	25.5%	20.8%	27.2%
60-64	12.1%	8.8%	1.6%	6.2%	15.6%	21.3%	20.5%
65-69	3.7%	3.4%	0.4%	1.2%	6.2%	5.0%	5.9%
70-74	2.1%	1.0%	0.0%	0.9%	2.5%	5.4%	2.9%
>=75	0.7%	0.0%	0.0%	0.0%	1.7%	1.3%	1.3%
Total # of vehicles	1701	294	254	321	353	240	239
Average speed	51.5	48.2	42.4	49.8	55.8	56.4	56.0
St. Dev.	9.8	9.6	9.3	7.7	7.7	7.8	8.3
85th percentile	60.2	59.3	51.9	58.4	63.0	63.9	63.0
Min	17.7	24.2	17.7	21.4	23.5	24.5	24.5
Max	82.5	74.1	65.8	72.3	82.5	76.0	82.4
Range	64.8	50.0	48.1	50.9	59.0	51.5	58.0

Table D.20: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, With RSS (Day 2), Drain 2

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
20-24	0.6%	0.4%	1.3%	0.7%	0.3%	0.4%	0.4%
25-29	1.7%	0.7%	8.8%	0.7%	0.0%	0.0%	0.9%
30-34	3.1%	5.7%	11.3%	1.0%	0.3%	0.0%	1.3%
35-39	7.5%	15.2%	17.2%	7.9%	2.2%	0.9%	0.9%
40-44	9.7%	19.1%	16.4%	11.9%	3.1%	4.0%	3.1%
45-49	16.7%	17.7%	21.0%	27.2%	11.4%	11.2%	9.7%
50-54	23.7%	15.5%	15.1%	28.1%	30.2%	27.8%	23.9%
55-59	17.9%	12.7%	5.9%	14.2%	25.3%	21.1%	27.9%
60-64	12.6%	8.8%	1.7%	6.3%	16.7%	22.4%	21.7%
65-69	3.7%	3.2%	0.4%	1.0%	6.2%	5.4%	6.2%
70-74	2.1%	1.1%	0.0%	1.0%	2.8%	5.4%	2.7%
>=75	0.7%	0.0%	0.0%	0.0%	1.5%	1.3%	1.3%
Total # of vehicles	1596	283	238	302	324	223	226
Average speed	51.6	48.2	42.6	49.8	55.9	56.6	56.3
St. Dev.	9.8	9.5	9.4	7.6	7.7	7.8	8.3
85th percentile	60.5	59.1	52.6	58.4	63.0	63.9	63.0
Min	17.7	24.2	17.7	21.4	23.5	24.5	24.5
Max	82.5	74.1	65.8	72.3	82.5	76.0	82.4
Range	64.8	50.0	48.1	50.9	59.0	51.5	58.0

Table D.21: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, With RSS (Day 2), Drain 2

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	2.9%	0.0%	12.5%	5.3%	0.0%	0.0%	0.0%
25-29	1.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	2.9%	9.1%	12.5%	0.0%	0.0%	0.0%	0.0%
35-39	5.7%	0.0%	25.0%	10.5%	0.0%	0.0%	0.0%
40-44	9.5%	9.1%	31.3%	5.3%	6.9%	0.0%	7.7%
45-49	21.9%	27.3%	12.5%	31.6%	10.3%	23.5%	38.5%
50-54	31.4%	9.1%	6.3%	36.8%	41.4%	47.1%	30.8%
55-59	14.3%	18.2%	0.0%	0.0%	27.6%	17.6%	15.4%
60-64	3.8%	9.1%	0.0%	5.3%	3.4%	5.9%	0.0%
65-69	3.8%	9.1%	0.0%	5.3%	6.9%	0.0%	0.0%
70-74	1.9%	0.0%	0.0%	0.0%	0.0%	5.9%	7.7%
>=75	1.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%
Total # of vehicles	105	11	16	19	29	17	13
Average speed	50.3	49.6	39.8	48.6	54.9	53.6	51.6
St. Dev.	9.6	11.5	8.7	9.1	7.4	6.6	7.6
85th percentile	58.8	61.2	47.3	53.8	59.3	58.6	55.6
Min	20.5	28.8	20.5	24.2	42.5	45.4	40.5
Max	77.5	65.5	51.9	66.7	77.5	72.3	73.2
Range	57.0	36.7	31.5	42.6	35.0	26.8	32.7

Table D.22: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 4

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
20-24	0.2%	0.0%	0.4%	1.2%	0.0%	0.0%	0.0%
25-29	1.1%	0.0%	2.4%	3.9%	0.6%	0.0%	0.0%
30-34	2.8%	0.0%	9.5%	6.6%	0.9%	0.0%	0.4%
35-39	4.2%	1.2%	12.3%	10.9%	1.6%	0.0%	0.0%
40-44	9.9%	2.8%	29.0%	20.2%	6.6%	0.0%	1.7%
45-49	13.1%	12.7%	19.0%	24.4%	11.7%	4.0%	5.2%
50-54	19.9%	29.0%	15.9%	20.5%	18.9%	16.9%	15.1%
55-59	18.9%	22.8%	7.1%	6.6%	26.5%	26.7%	22.0%
60-64	17.6%	21.0%	2.0%	3.9%	21.5%	27.6%	30.2%
65-69	7.2%	8.0%	1.2%	1.2%	7.3%	13.3%	12.9%
70-74	3.0%	1.5%	0.8%	0.0%	2.5%	6.2%	8.6%
>=75	2.0%	0.9%	0.4%	0.4%	1.9%	5.3%	3.9%
Total # of vehicles	1608	324	252	258	317	225	232
Average speed	54.4	56.7	45.3	46.0	56.3	61.4	61.0
St. Dev.	10.4	7.3	8.7	9.1	8.7	8.2	8.2
85th percentile	64.0	64.0	53.5	54.4	64.0	68.8	68.8
Min	19.4	36.2	24.7	19.4	25.5	46.8	32.4
Max	93.8	89.3	83.2	80.3	84.2	93.8	91.3
Range	74.3	53.1	58.5	60.9	58.7	47.0	59.0

Table D.23: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, With RSS (Day 2), Drain 4

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
20-24	0.3%	0.0%	0.4%	1.3%	0.0%	0.0%	0.0%
25-29	1.0%	0.0%	1.7%	3.8%	0.7%	0.0%	0.0%
30-34	2.9%	0.0%	9.8%	7.2%	0.7%	0.0%	0.5%
35-39	4.5%	1.3%	12.4%	11.9%	1.7%	0.0%	0.0%
40-44	9.6%	2.3%	29.5%	19.6%	5.2%	0.0%	1.9%
45-49	13.1%	12.7%	18.4%	24.7%	12.1%	4.5%	4.3%
50-54	19.8%	30.1%	15.8%	20.0%	18.3%	16.0%	14.8%
55-59	19.2%	23.4%	7.7%	5.5%	27.7%	26.0%	23.0%
60-64	17.9%	20.4%	2.1%	4.3%	22.1%	29.5%	30.1%
65-69	7.3%	7.7%	1.3%	1.3%	8.0%	13.5%	13.4%
70-74	3.0%	1.7%	0.4%	0.0%	2.4%	6.5%	8.6%
>=75	1.4%	0.3%	0.4%	0.0%	1.0%	4.0%	3.3%
Total # of vehicles	1466	299	234	235	289	200	209
Average speed	54.2	56.5	45.3	45.6	56.4	61.3	61.0
St. Dev.	10.2	7.1	8.7	8.9	8.3	7.7	7.9
85th percentile	64.0	64.0	53.5	54.4	64.0	67.9	68.8
Min	19.4	36.2	24.7	19.4	25.5	46.8	32.4
Max	90.3	89.3	83.2	69.8	84.2	90.3	85.2
Range	70.9	53.1	58.5	50.4	58.7	43.6	52.9

Table D.24: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, With RSS (Day 2), Drain 4

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	2.1%	0.0%	11.1%	4.3%	0.0%	0.0%	0.0%
30-34	1.4%	0.0%	5.6%	0.0%	3.6%	0.0%	0.0%
35-39	1.4%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%
40-44	12.7%	8.0%	22.2%	26.1%	21.4%	0.0%	0.0%
45-49	12.7%	12.0%	27.8%	21.7%	7.1%	0.0%	13.0%
50-54	21.1%	16.0%	16.7%	26.1%	25.0%	24.0%	17.4%
55-59	16.2%	16.0%	0.0%	17.4%	14.3%	32.0%	13.0%
60-64	14.8%	28.0%	0.0%	0.0%	14.3%	12.0%	30.4%
65-69	5.6%	12.0%	0.0%	0.0%	0.0%	12.0%	8.7%
70-74	3.5%	0.0%	5.6%	0.0%	3.6%	4.0%	8.7%
>=75	8.5%	8.0%	0.0%	4.3%	10.7%	16.0%	8.7%
Total # of vehicles	142	25	18	23	28	25	23
Average speed	56.0	58.7	44.6	49.9	55.4	62.8	61.4
St. Dev.	12.2	9.7	10.0	9.6	12.0	11.7	11.1
85th percentile	67.0	66.4	51.0	55.4	62.1	73.0	70.8
Min	27.6	41.0	27.6	29.5	32.4	50.6	48.8
Max	93.8	82.3	71.7	80.3	83.2	93.8	91.3
Range	66.2	41.3	44.1	50.8	50.8	43.2	42.5

Table D.25: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 6

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
25-29	0.3%	0.0%	0.0%	0.8%	1.1%	0.0%	0.0%
30-34	1.4%	0.0%	0.7%	4.6%	2.9%	0.5%	0.0%
35-39	4.1%	0.0%	2.9%	15.4%	6.5%	0.5%	0.0%
40-44	10.8%	1.2%	13.9%	34.0%	11.5%	2.8%	3.2%
45-49	18.0%	8.2%	24.8%	31.5%	21.6%	12.8%	10.1%
50-54	27.8%	29.8%	33.9%	11.2%	31.3%	36.5%	22.6%
55-59	20.3%	30.4%	17.2%	2.1%	16.5%	24.2%	30.0%
60-64	12.4%	24.0%	3.6%	0.0%	7.6%	16.6%	21.2%
65-69	3.5%	5.0%	2.2%	0.0%	1.1%	4.3%	8.8%
70-74	1.0%	1.2%	0.4%	0.0%	0.0%	1.9%	3.2%
>=75	0.3%	0.3%	0.4%	0.0%	0.0%	0.0%	0.9%
Total # of vehicles	1563	342	274	241	278	211	217
Average speed	52.5	56.9	51.0	44.0	50.2	55.3	57.4
St. Dev.	7.9	5.5	6.7	5.8	7.5	6.2	6.9
85th percentile	60.2	62.1	57.3	49.6	57.3	61.2	64.1
Min	23.7	41.0	30.1	23.7	25.9	33.5	40.0
Max	81.4	81.3	81.4	59.3	69.6	73.8	77.5
Range	57.7	40.3	51.3	35.5	43.7	40.4	37.5

Table D.26: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, With RSS (Day 2), Drain 6

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
25-29	0.3%	0.0%	0.0%	0.9%	0.8%	0.0%	0.0%
30-34	1.4%	0.0%	0.8%	4.8%	2.7%	0.5%	0.0%
35-39	3.9%	0.0%	2.7%	14.7%	5.7%	0.5%	0.0%
40-44	10.6%	1.2%	14.0%	33.3%	11.1%	2.0%	3.5%
45-49	17.5%	8.0%	23.3%	32.0%	22.5%	11.7%	8.5%
50-54	28.3%	30.0%	35.7%	11.7%	31.3%	37.6%	22.4%
55-59	20.2%	30.3%	16.7%	2.2%	16.8%	24.4%	29.4%
60-64	12.8%	24.2%	3.9%	0.0%	8.0%	16.8%	22.9%
65-69	3.6%	5.2%	2.3%	0.0%	1.1%	4.6%	9.0%
70-74	1.0%	0.9%	0.4%	0.0%	0.0%	2.0%	3.5%
>=75	0.3%	0.3%	0.4%	0.0%	0.0%	0.0%	1.0%
Total # of vehicles	1476	327	258	231	262	197	201
Average speed	52.6	56.8	51.1	44.1	50.5	55.6	57.6
St. Dev.	7.9	5.5	6.8	5.9	7.4	6.1	6.9
85th percentile	60.2	62.1	57.3	49.6	57.3	62.1	64.1
Min	23.7	41.0	30.1	23.7	25.9	33.5	40.0
Max	81.4	81.3	81.4	59.3	69.6	73.8	77.5
Range	57.7	40.3	51.3	35.5	43.7	40.4	37.5

Table D.27: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, With RSS (Day 2), Drain 6

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	1.1%	0.0%	0.0%	0.0%	6.3%	0.0%	0.0%
30-34	1.1%	0.0%	0.0%	0.0%	6.3%	0.0%	0.0%
35-39	8.0%	0.0%	6.3%	30.0%	18.8%	0.0%	0.0%
40-44	13.8%	0.0%	12.5%	50.0%	18.8%	14.3%	0.0%
45-49	25.3%	13.3%	50.0%	20.0%	6.3%	28.6%	31.3%
50-54	19.5%	26.7%	6.3%	0.0%	31.3%	21.4%	25.0%
55-59	23.0%	33.3%	25.0%	0.0%	12.5%	21.4%	37.5%
60-64	5.7%	20.0%	0.0%	0.0%	0.0%	14.3%	0.0%
65-69	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	16.3%
70-74	1.1%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	87	15	16	10	16	14	16
Average speed	50.2	57.0	49.1	41.6	45.4	51.4	54.2
St. Dev.	7.9	6.4	5.6	4.6	8.7	6.3	5.2
85th percentile	58.3	62.0	56.6	46.1	53.0	57.5	59.0
Min	27.6	46.8	39.1	35.2	27.6	42.0	47.7
Max	73.0	73.0	59.3	47.7	59.3	61.2	67.1
Range	45.4	26.2	20.2	12.5	31.7	19.2	19.4

Table D.28: Hourly Summary of Vehicle Speed for All Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 8

Vehicle Speed (all vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.5%
15-19	0.2%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%
20-24	0.4%	0.0%	0.7%	0.7%	0.0%	0.5%	0.5%
25-29	1.2%	0.9%	0.7%	2.2%	0.4%	0.5%	2.9%
30-34	2.4%	1.2%	1.0%	5.1%	5.0%	1.0%	1.0%
35-39	6.4%	1.5%	1.3%	10.3%	19.6%	4.0%	1.9%
40-44	14.3%	4.0%	6.4%	17.6%	29.2%	17.9%	15.2%
45-49	21.6%	14.6%	13.5%	24.6%	29.2%	32.8%	19.5%
50-54	18.6%	22.6%	24.2%	15.8%	10.8%	20.9%	15.7%
55-59	18.1%	26.6%	25.6%	13.2%	5.4%	14.9%	19.5%
60-64	8.3%	12.7%	12.8%	4.0%	0.4%	4.5%	13.8%
65-69	4.5%	8.4%	5.7%	2.9%	0.0%	3.0%	6.2%
70-74	1.8%	2.8%	3.4%	1.8%	0.0%	0.0%	1.9%
>=75	2.0%	3.7%	4.4%	1.5%	0.0%	0.0%	1.4%
Total # of vehicles	1563	323	297	272	260	201	210
Average speed	51.4	55.9	55.6	48.4	44.3	49.8	52.5
St. Dev.	10.2	10.4	9.9	10.2	6.3	7.3	10.4
85th percentile	60.7	64.3	64.3	57.1	50.9	56.2	62.5
Min	10.3	12.7	15.1	20.4	27.6	22.2	10.3
Max	94.2	93.0	94.2	84.6	61.6	69.7	82.2
Range	83.9	80.3	79.1	64.2	34.0	47.5	71.9

Table D.29: Hourly Summary of Vehicle Speed for Passenger Cars, I-84, Vactoring, With RSS (Day 2), Drain 8

Vehicle Speed (0-25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.5%
15-19	0.2%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%
20-24	0.3%	0.0%	0.7%	0.8%	0.0%	0.5%	0.0%
25-29	1.2%	1.0%	0.4%	2.3%	0.4%	0.5%	3.1%
30-34	2.5%	1.3%	0.7%	5.0%	5.4%	1.1%	1.0%
35-39	6.3%	1.7%	1.5%	10.4%	19.1%	2.7%	2.1%
40-44	14.2%	3.0%	6.9%	17.8%	29.0%	18.0%	15.5%
45-49	21.8%	15.2%	12.4%	24.7%	29.5%	34.4%	20.1%
50-54	18.6%	23.5%	23.4%	16.2%	10.8%	20.2%	15.5%
55-59	17.8%	25.8%	25.9%	12.7%	5.4%	14.8%	18.6%
60-64	8.5%	13.2%	13.1%	3.5%	0.4%	4.4%	14.9%
65-69	4.7%	7.9%	6.2%	3.1%	0.0%	3.3%	6.7%
70-74	1.8%	3.0%	3.6%	1.9%	0.0%	0.0%	1.0%
>=75	2.0%	3.3%	4.7%	1.5%	0.0%	0.0%	1.0%
Total # of vehicles	1453	302	274	259	241	183	194
Average speed	51.4	55.8	55.9	48.4	44.4	49.8	52.4
St. Dev.	10.2	10.2	10.0	10.3	6.3	7.2	10.1
85th percentile	60.7	64.3	64.3	57.1	50.9	56.2	62.5
Min	10.3	12.7	15.1	20.4	27.6	22.2	10.3
Max	94.2	93.0	94.2	84.6	61.6	69.7	82.2
Range	83.9	80.3	79.1	64.2	34.0	47.5	71.9

Table D.30: Hourly Summary of Vehicle Speed for Trucks, I-84, Vactoring, With RSS (Day 2), Drain 8

Vehicle Speed (>25 FT Vehicles)	Time						
	Total	21:45-22:00	22:00-22:15	22:15-22:30	22:30-22:45	22:45-23:00	23:00-23:15
MPH							
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%
25-29	0.9%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%
30-34	1.8%	0.0%	4.3%	7.7%	0.0%	0.0%	0.0%
35-39	8.2%	0.0%	0.0%	7.7%	26.3%	16.7%	0.0%
40-44	15.5%	19.0%	0.0%	15.4%	31.6%	16.7%	12.5%
45-49	18.2%	4.8%	26.1%	23.1%	26.3%	16.7%	12.5%
50-54	19.1%	9.5%	34.8%	7.7%	10.5%	27.8%	18.8%
55-59	22.7%	38.1%	21.7%	23.1%	5.3%	16.7%	31.3%
60-64	5.5%	4.8%	8.7%	15.4%	0.0%	5.6%	0.0%
65-69	2.7%	14.3%	0.0%	0.0%	0.0%	0.0%	0.0%
70-74	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%
>=75	2.7%	9.5%	0.0%	0.0%	0.0%	0.0%	6.3%
Total # of vehicles	110	21	23	13	19	18	16
Average speed	51.1	57.4	51.3	49.9	43.6	49.0	54.6
St. Dev.	10.5	12.2	7.9	8.9	6.2	7.8	13.7
85th percentile	59.3	66.7	57.8	58.6	50.2	57.0	68.5
Min	21.3	40.1	29.5	34.3	35.6	35.6	21.3
Max	91.8	91.8	62.5	63.4	58.0	62.5	79.9
Range	70.5	51.7	33.0	29.1	22.4	26.9	58.5

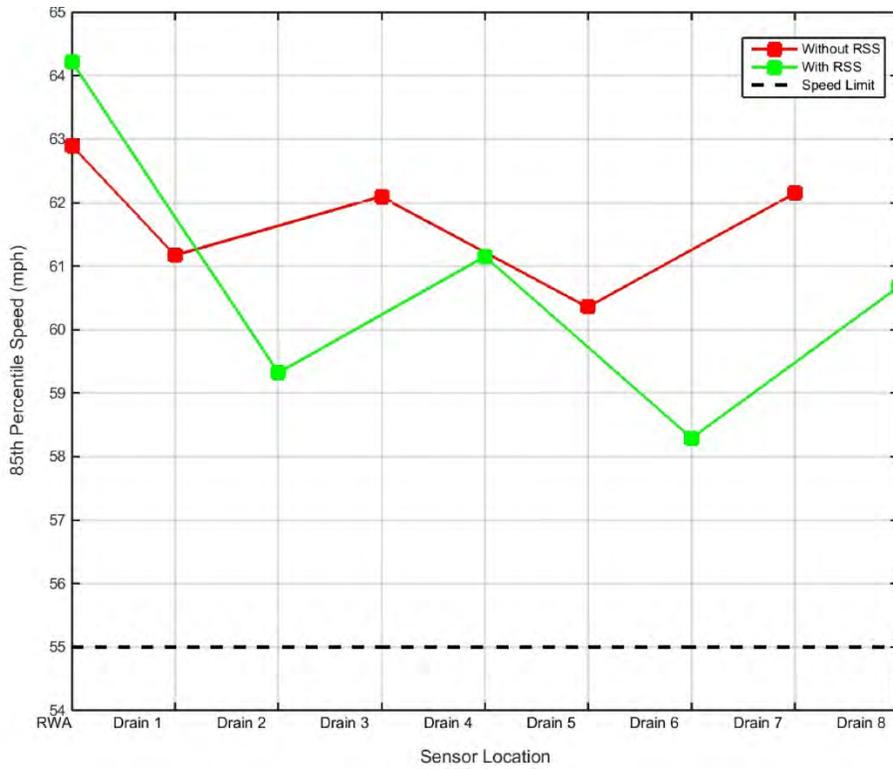


Figure D.6: Vehicle Speed (85th percentile) for All Vehicles at Different Locations during Operation Time, I-84, Vactoring

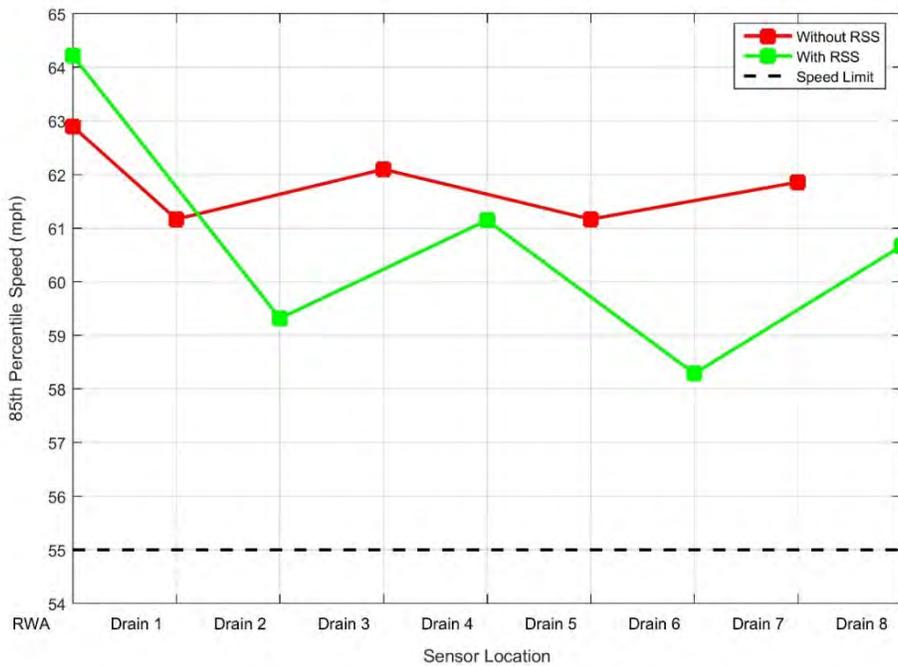


Figure D.7: Vehicle Speed (85th percentile) for Passenger Cars at Different Locations during Operation Time, I-84, Vactoring

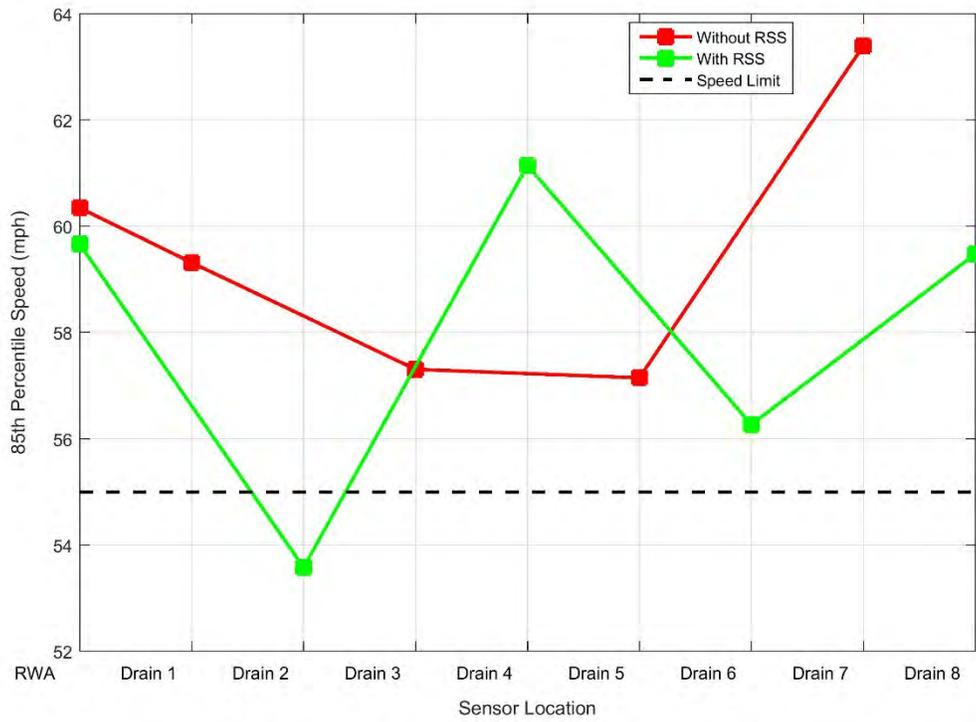


Figure D.8: Vehicle Speed (85th percentile) for Trucks at Different Locations during Operation Time, I-84, Vactoring

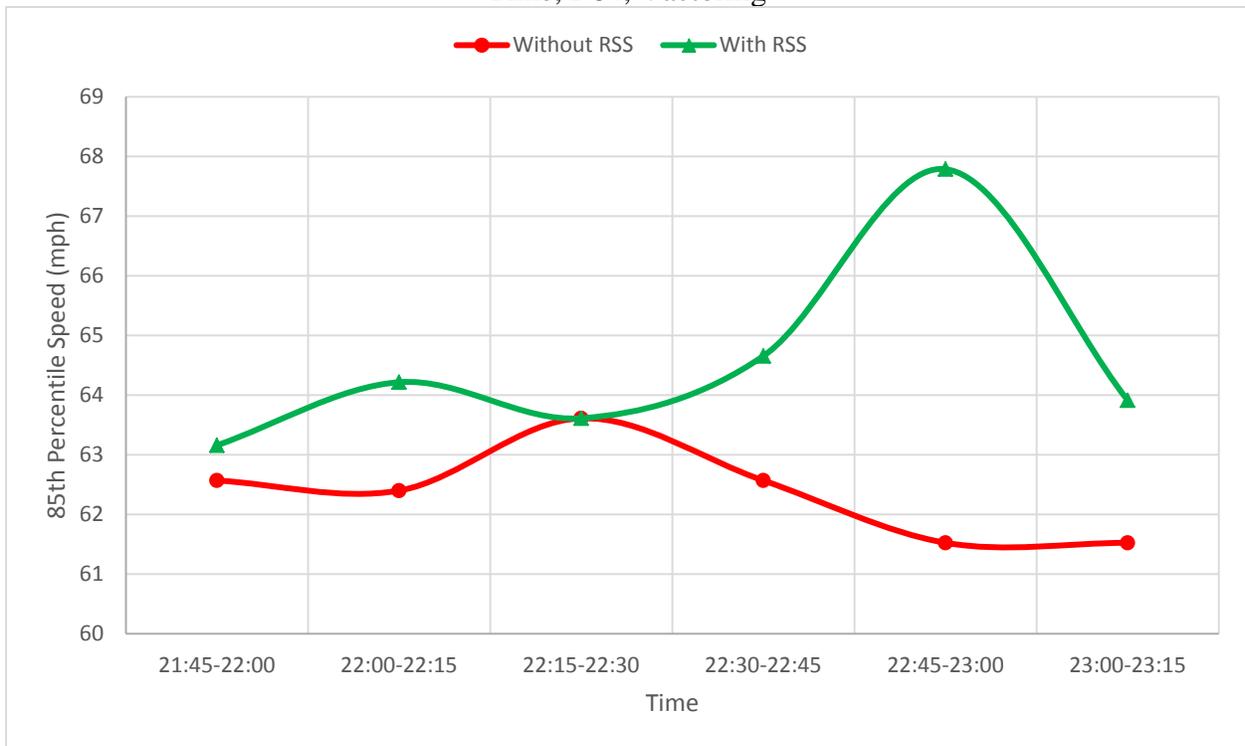


Figure D.9: Vehicle Speed (85th Percentile) at RWA during Operation Time, I-84, Vactoring

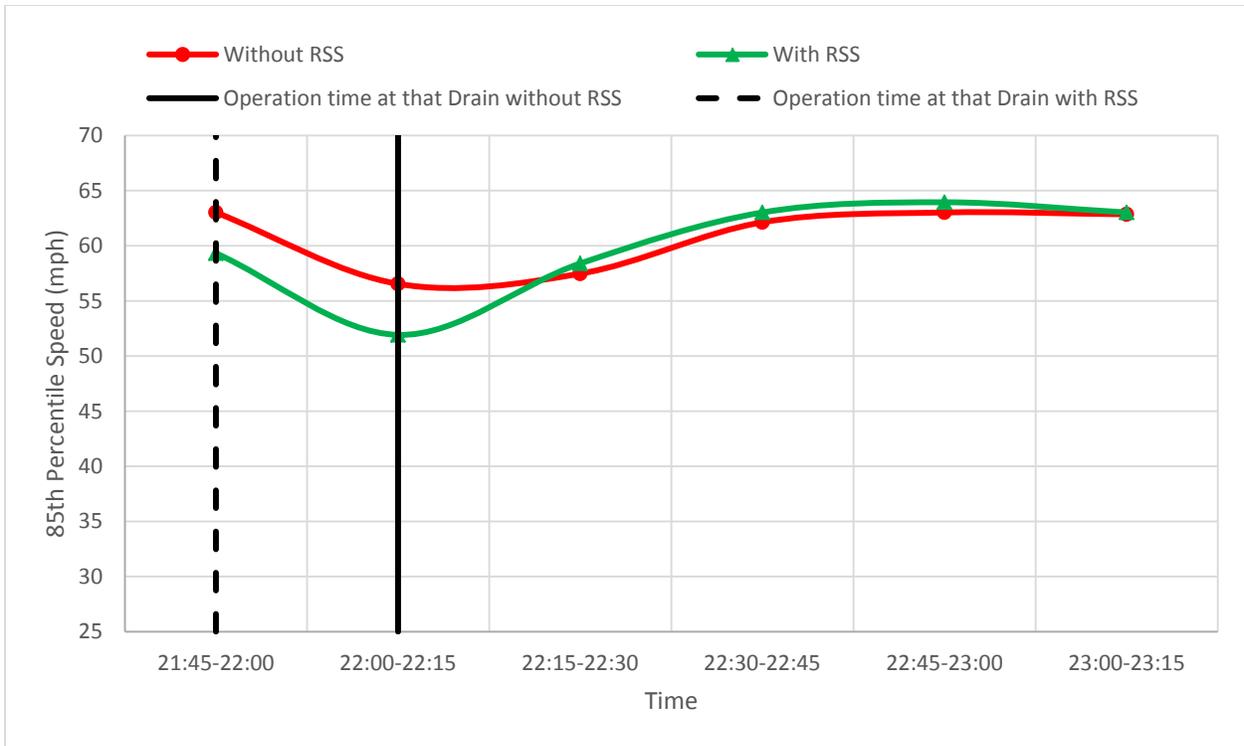


Figure D.10: Vehicle Speed (85th Percentile) at Drain 1 (Without RSS) and Drain 2 (With RSS) during Operation Time, I-84, Vactoring

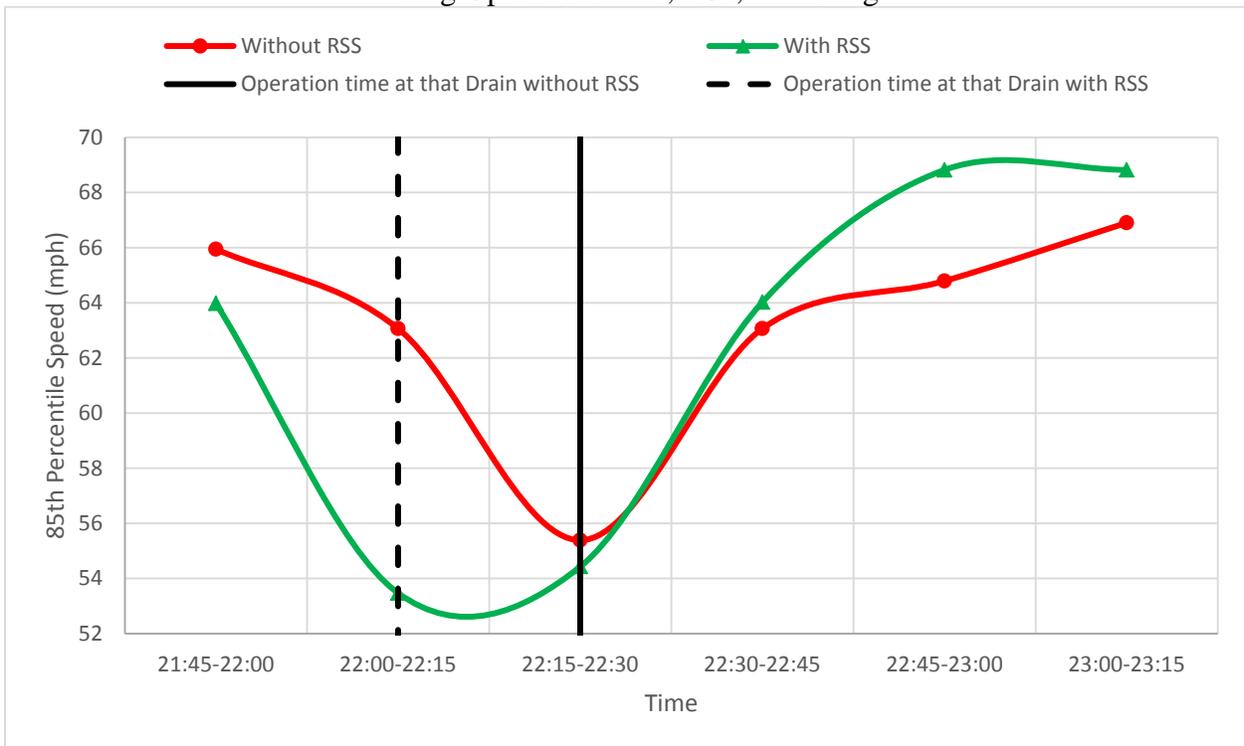


Figure D.11: Vehicle Speed (85th Percentile) at Drain 3 (Without RSS) and Drain 4 (With RSS) during Operation Time, I-84, Vactoring

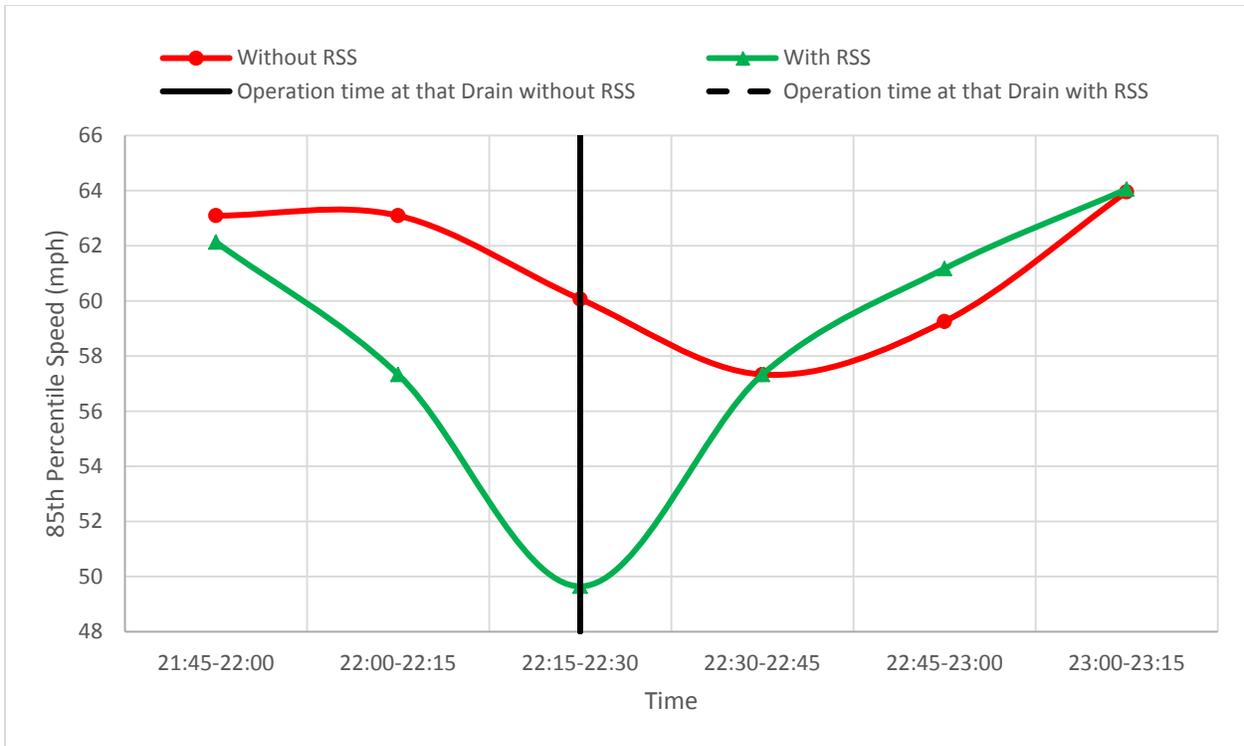


Figure D.12: Vehicle Speed (85th Percentile) at Drain 5 (Without RSS) and Drain 6 (With RSS) during Operation Time, I-84, Vactoring

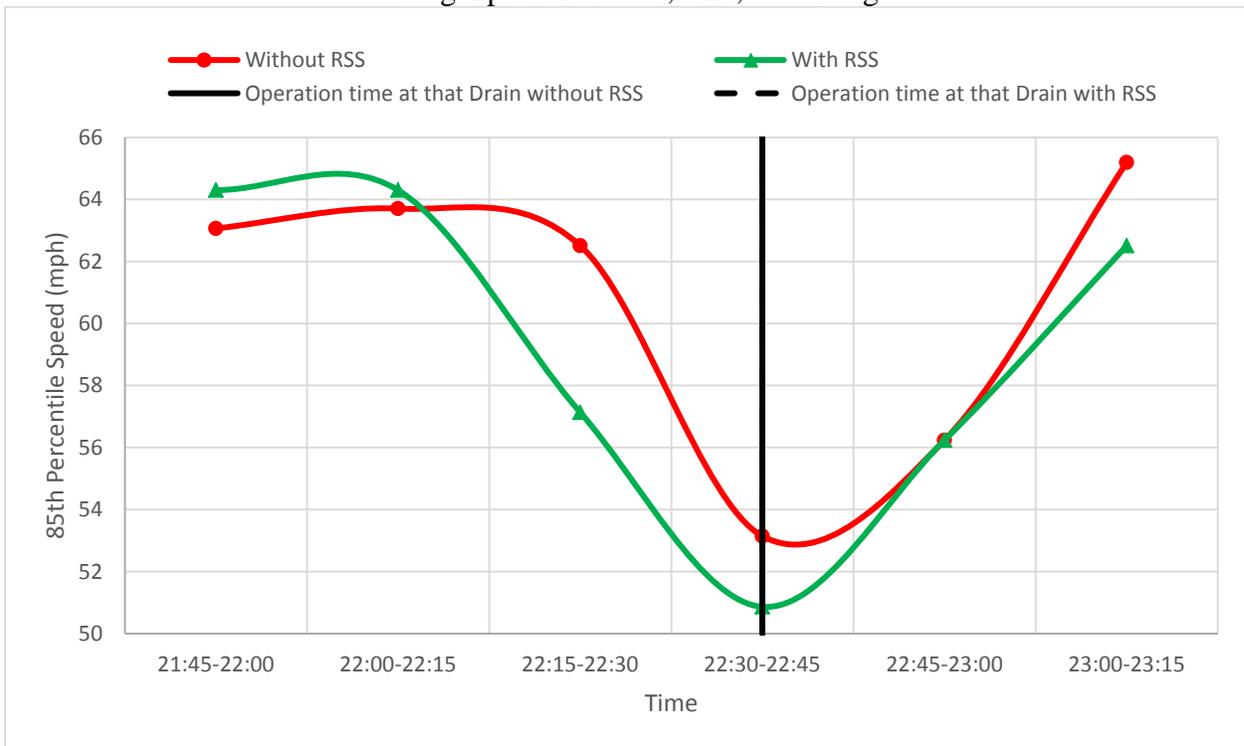


Figure D.13: Vehicle Speed (85th Percentile) at Drain 7 (Without RSS) and Drain 8 (With RSS) during Operation Time, I-84, Vactoring

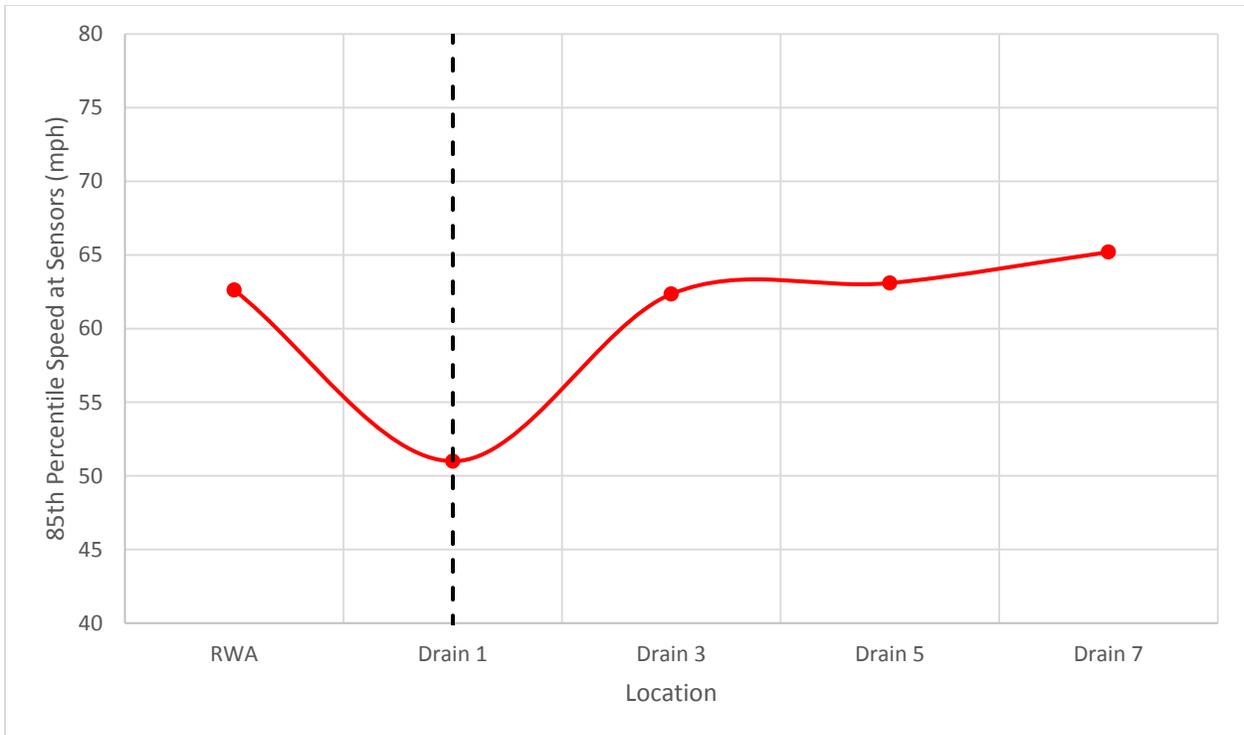


Figure D.14: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, Without RSS (Day 1), Drain 1

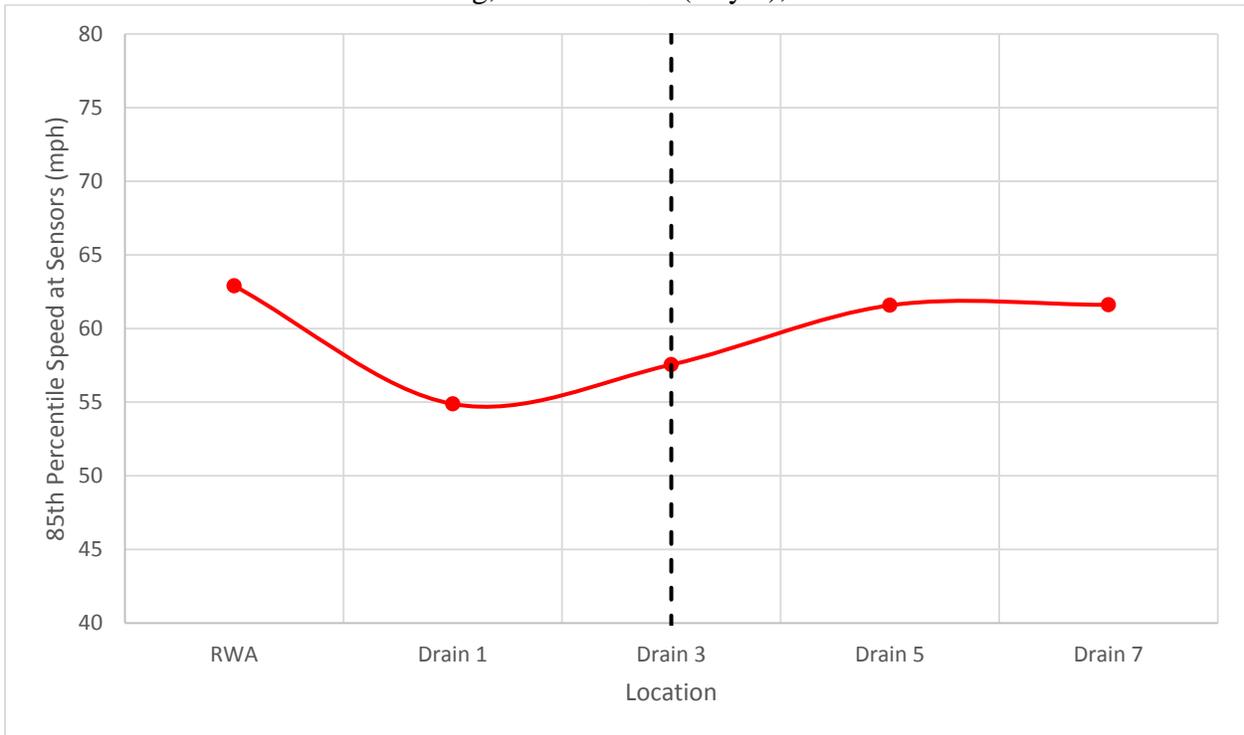


Figure D.15: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, Without RSS (Day 1), Drain 3

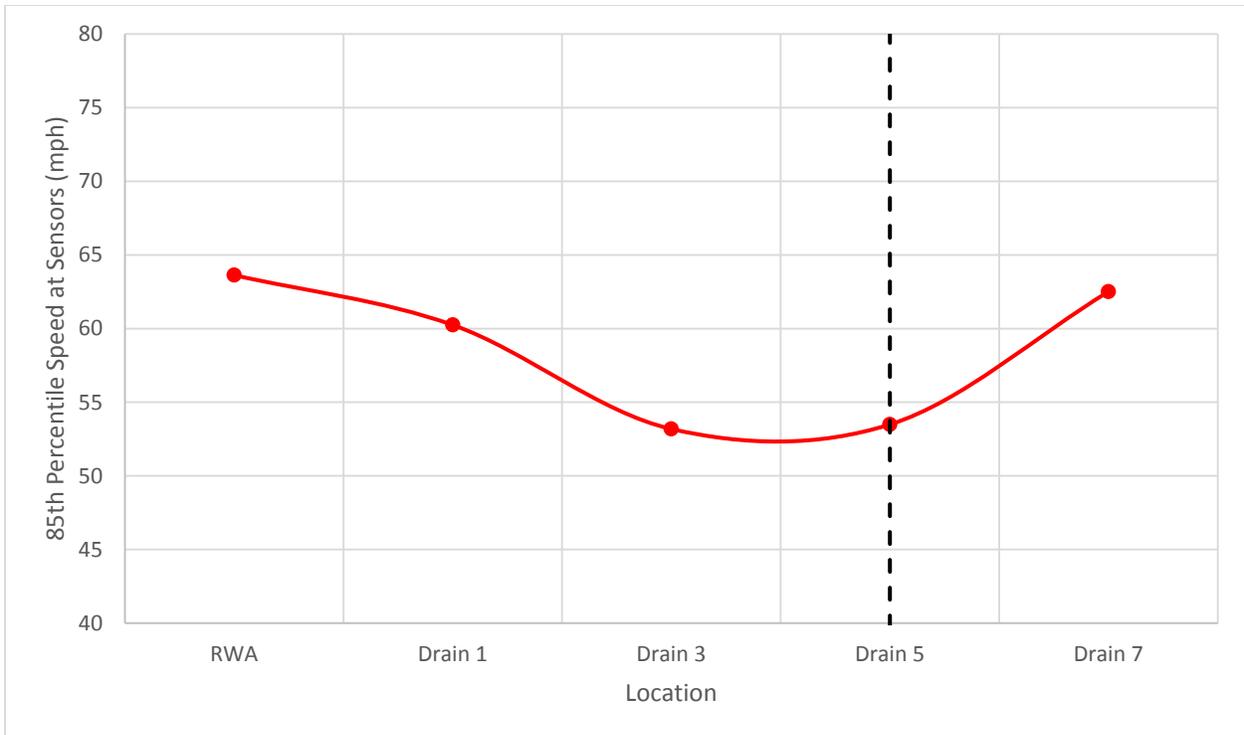


Figure D.16: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, Without RSS (Day 1), Drain 5

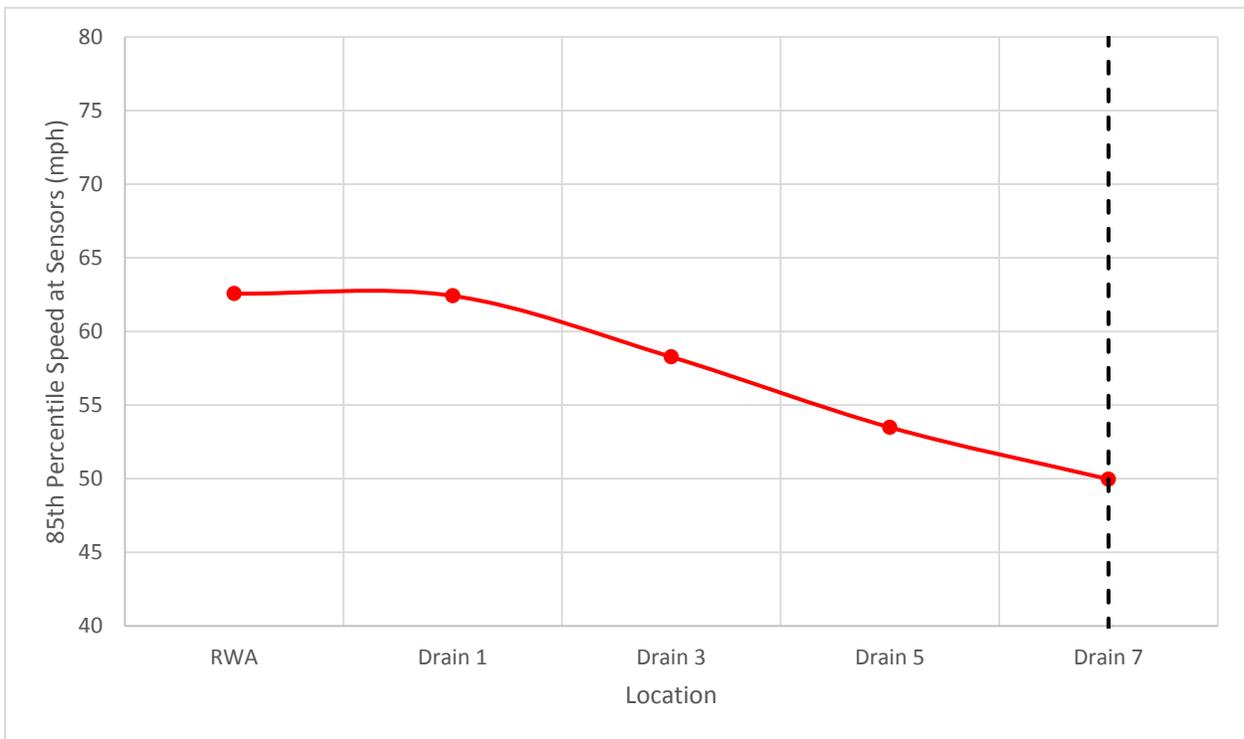


Figure D.17: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, Without RSS (Day 1), Drain 7

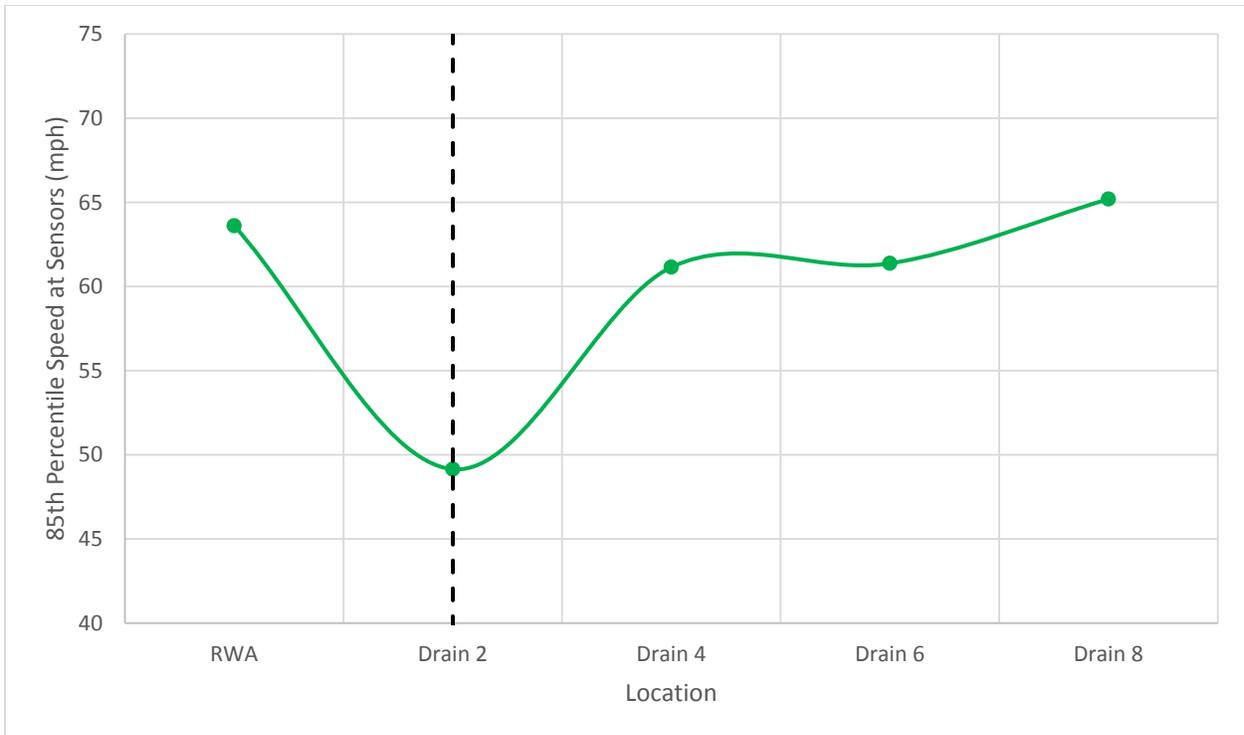


Figure D.18: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, With RSS (Day 2), Drain 2

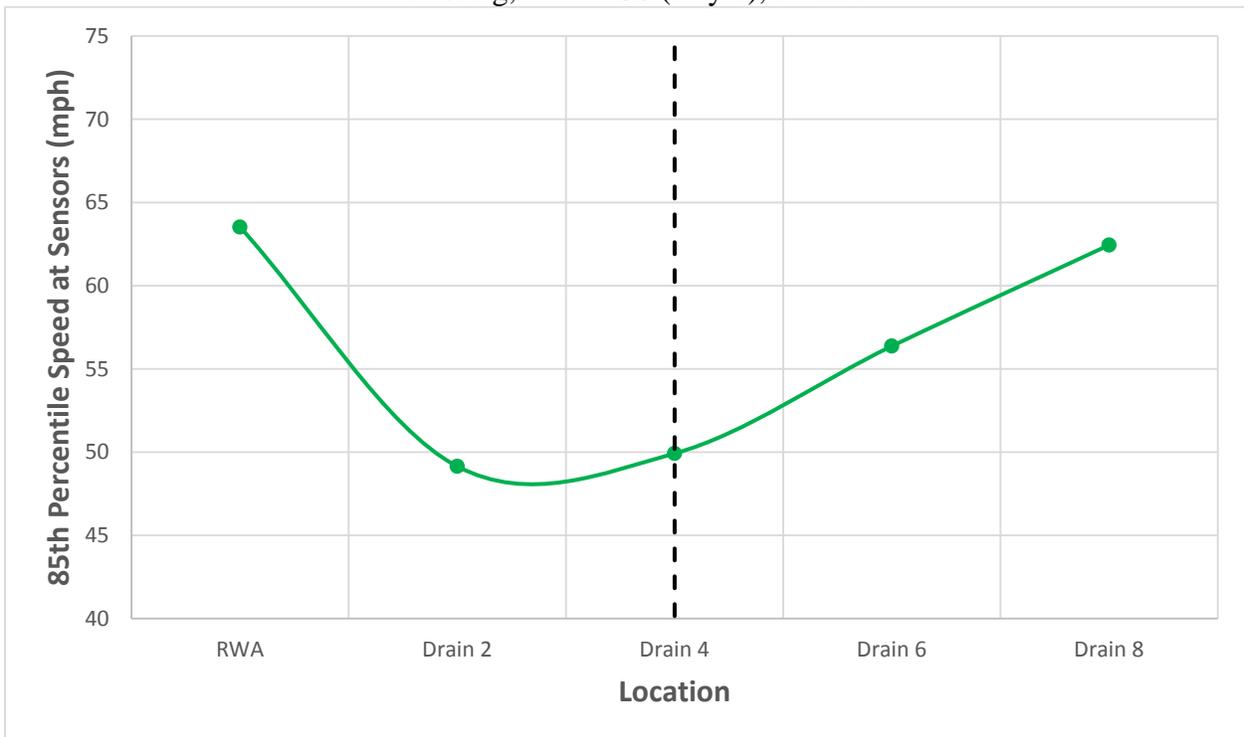


Figure D.19: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, With RSS (Day 2), Drain 4

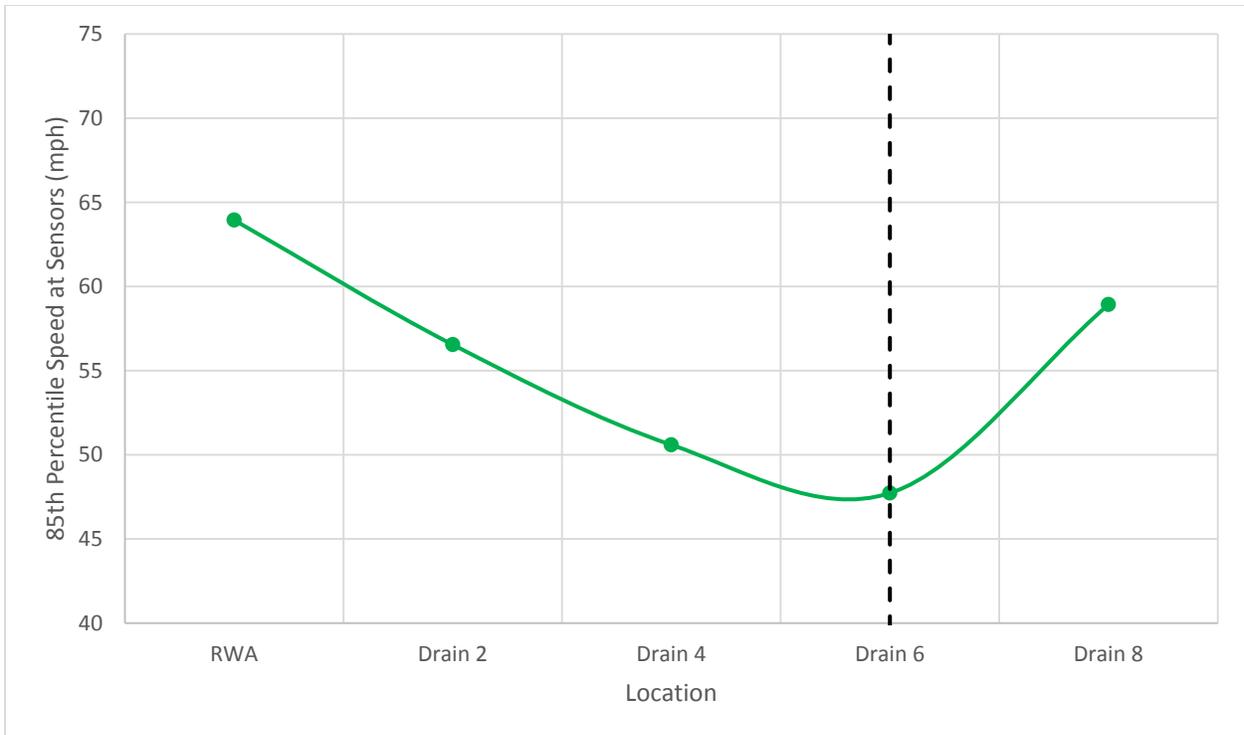


Figure D.20: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, With RSS (Day 2), Drain 6

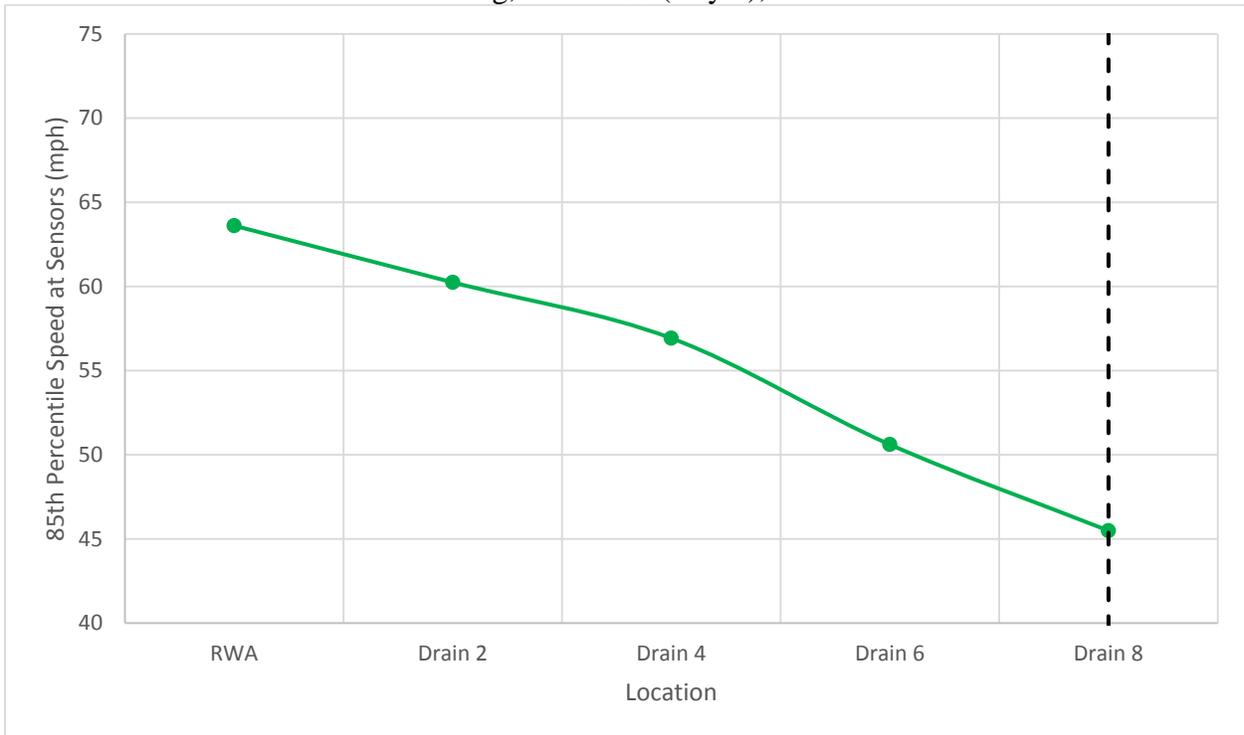


Figure D.21: 85th Percentile Speed at Different Distances from the Work Operation, I-84, Vactoring, With RSS (Day 2), Drain 8

Table D.31: Percentage of Vehicle Speed Decrease in the Work Zone Area, I-84, Vactoring,

Type of vehicle	Mean Speed (mph) without RSS (Day1) at RWA	Mean Speed (mph) without RSS (Day1) at WZ	Decrease in mean speed (%) without RSS (Day1)	Mean Speed (mph) with RSS (Day2) at RWA	Mean Speed (mph) with RSS (Day2) at WZ	Decrease in mean speed (%) with RSS (Day2)
All Vehicles	56.59	52.96	6%	57.18	50.53	12%
Passenger Cars	56.68	52.97	7%	57.24	50.55	12%
Trucks	54.52	52.82	3%	55.98	50.25	10%

Table D.32: Effect of Radar Speed Sign on Vehicle Speed for All Workzone Locations, I-84, Vactoring

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	45.49	39.91	5.58	< 0.0001
Passenger Cars	45.27	39.70	5.57	< 0.0001
Trucks	48.62	42.60	6.02	0.2692

Table D.33: Effect of Radar Speed Sign on Vehicle Speed, I-84, Vactoring, RWA

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	56.59	57.18	-0.59	0.0584
Passenger Cars	56.68	57.24	-0.56	0.0775
Trucks	54.52	55.98	-1.46	0.3581

Table D.34: Effect of Radar Speed Sign on Vehicle Speed, I-84, Vactoring, Drain 1 (Without RSS) and Drain 2 (With RSS)

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	44.87	42.50	2.38	0.0008
Passenger Cars	44.69	42.42	2.27	0.0015
Trucks	47.48	44.83	2.65	0.5464

Table D.35: Effect of Radar Speed Sign on Vehicle Speed, I-84, Vactoring, Drain 3 (Without RSS) and Drain 4 (With RSS)

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	48.80	42.36	6.44	< 0.0001
Passenger Cars	48.86	42.54	6.32	< 0.0001
Trucks	47.71	39.83	7.89	0.1598

Table D.36: Effect of Radar Speed Sign on Vehicle Speed, I-84, Vactoring, Drain 5 (Without RSS) and Drain 6 (With RSS)

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	45.84	43.93	1.91	0.0217
Passenger Cars	45.55	43.96	1.59	0.0657
Trucks	50.29	43.35	6.94	0.0304

Table D.37: Effect of Radar Speed Sign on Vehicle Speed, I-84, Vactoring, Drain 7 (Without RSS) and Drain 8 (With RSS)

Type of vehicle	Mean Speed (mph) without RSS (Day1)	Mean Speed (mph) with RSS (Day2)	Difference in mean speed (mph)	p-value
All Vehicles	45.49	39.91	5.58	0.0000
Passenger Cars	45.27	39.70	5.57	0.0000
Trucks	48.62	42.60	6.02	0.2692

Table D.38: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-84, Vactoring, RWA, 21:45-23:15

Test Day	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1624	62.57	56.23	7.09	87	60.22	53.64	7.86	1711	62.57	56.10	7.15
Day 2 (with RSS)	1825	64.66	57.43	7.82	101	61.04	55.63	10.52	1926	64.66	57.34	7.99

Table D.39: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-84, Vactoring, RWA, Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without RSS)	1112	62.90	56.68	7.17	58	60.35	54.52	6.99	1170	62.90	56.59	7.17
Day 2 (with RSS)	1514	64.22	57.24	7.69	80	59.67	55.98	8.46	1594	64.22	57.18	7.73

*: For Day 1 the operation time has considered from 22:03-22:51 and for Day 2 it has considered from 21:50-22:51.

Table D.40: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-84, Vactoring, Drain 1 and Drain 2, Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without)	141	50.99	44.69	6.53	10	53.08	47.48	5.21	151	50.99	44.87	6.48
Day 2 (with RSS)	183	49.14	42.42	6.18	6	51.92	44.83	12.01	189	49.14	42.50	6.40

*: For Day 1 the operation time has considered from 22:03-22:51 and for Day 2 it has considered from 21:50-22:51.

Table D.41: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-84, Vactoring, Drain 3 and Drain 4, Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without)	63	57.98	48.86	7.94	3	52.89	47.71	7.62	66	57.55	48.80	7.88
Day 2 (with RSS)	130	50.26	42.54	7.03	9	45.60	39.83	7.84	139	49.92	42.36	7.08

*: For Day 1 the operation time has considered from 22:03-22:51 and for Day 2 it has considered from 21:50-22:51.

Table D. 42: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-84, Vactoring, Drain 5 and Drain 6, Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without)	45	53.49	45.55	6.49	3	54.45	50.29	6.17	48	53.49	45.84	6.51
Day 2 (with RSS)	188	47.73	43.96	4.81	9	46.38	43.35	3.43	197	47.73	43.93	4.75

*: For Day 1 the operation time has considered from 22:03-22:51 and for Day 2 it has considered from 21:50-22:51.

Table D.43: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, I-84, Vactoring, Drain 7 and Drain 8, Operation Time*

Test Day	Passenger Cars				Trucks				Total Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Day 1 (without)	28	49.97	45.27	5.32	2	48.94	48.62	6.60	30	49.97	45.49	5.20
Day 2 (with RSS)	111	45.04	39.70	5.30	9	46.92	42.60	6.93	120	45.49	39.91	5.46

*: For Day 1 the operation time has considered from 22:03-22:51 and for Day 2 it has considered from 21:50-22:51.

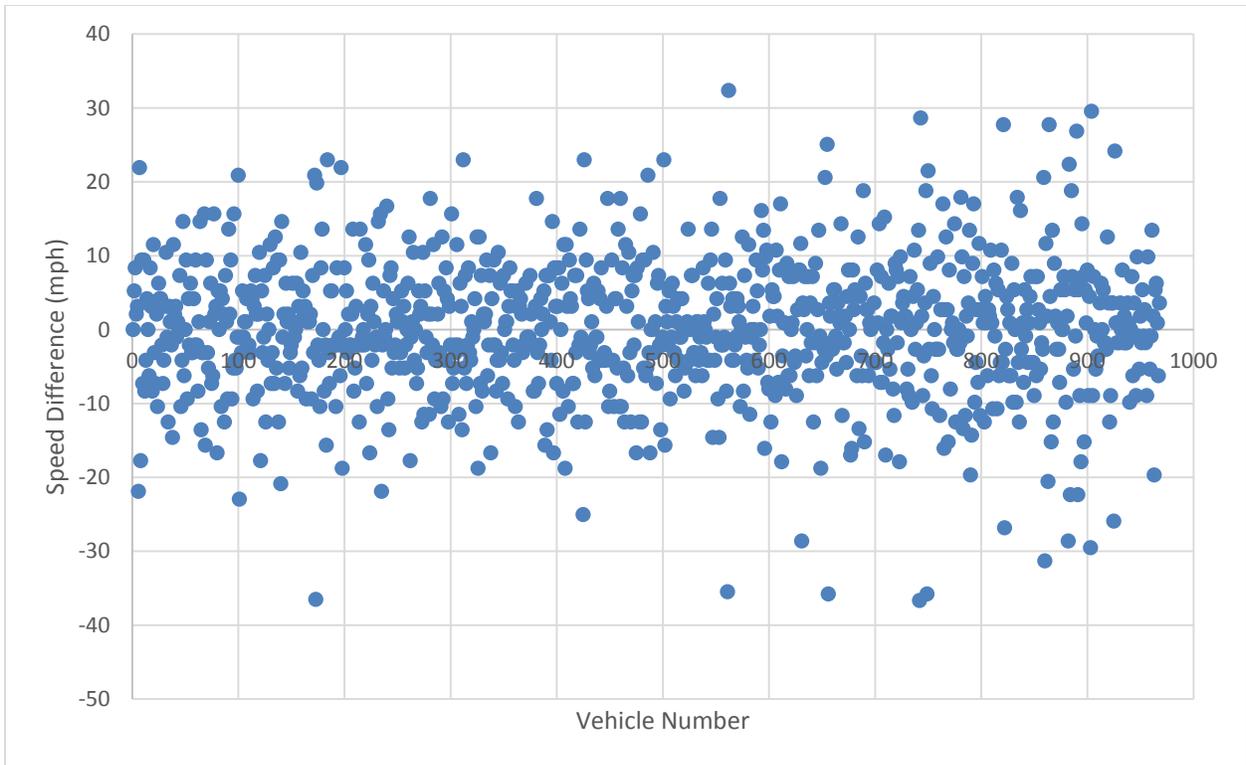


Figure D.22: Speed Difference, I-84, Vactoring, Without RSS (Day 1), RWA, Operation Time

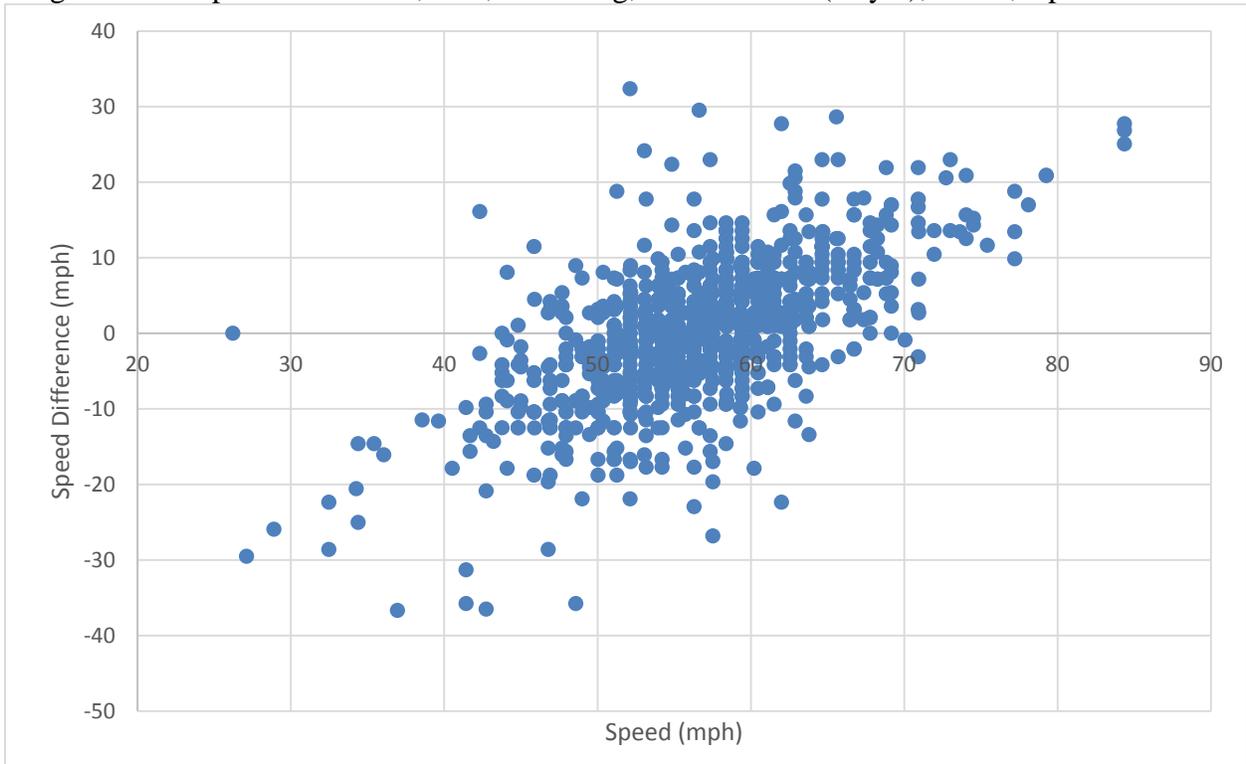


Figure D.23: Speed Difference vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), RWA, Operation Time

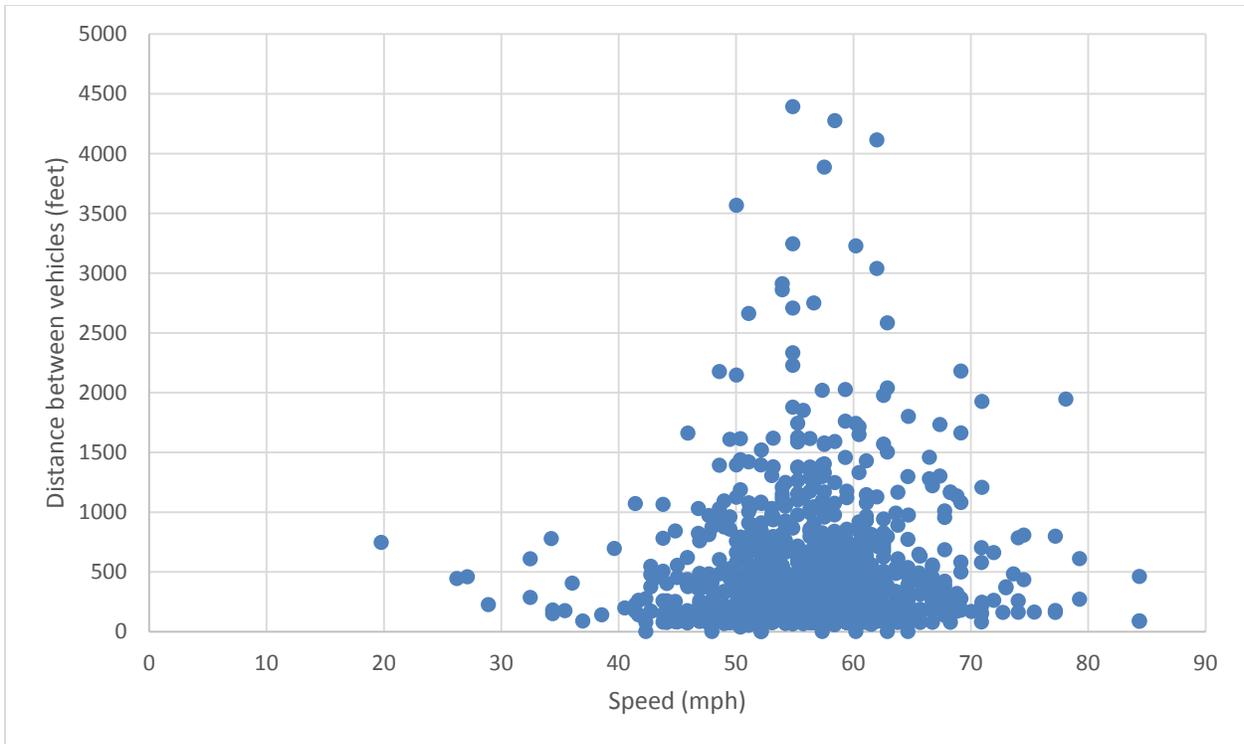


Figure D.24: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), RWA, Operation Time

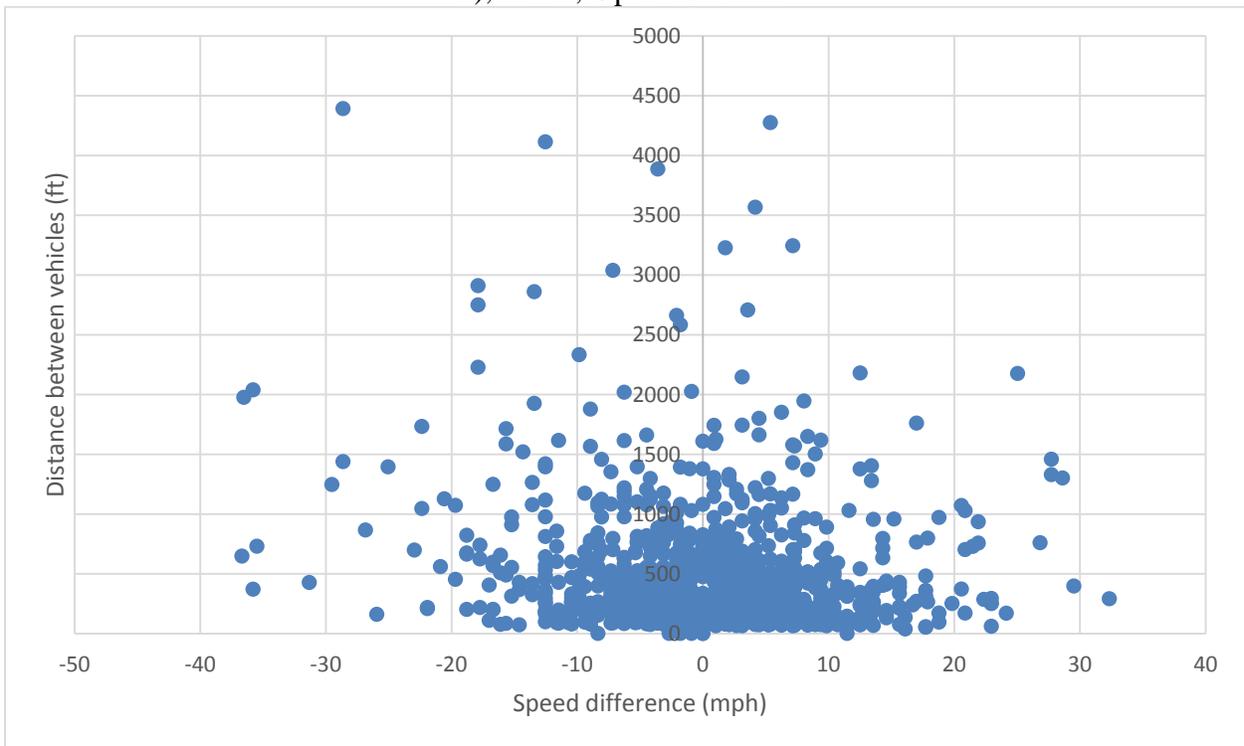


Figure D.25: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, Without RSS (Day 1), RWA, Operation Time

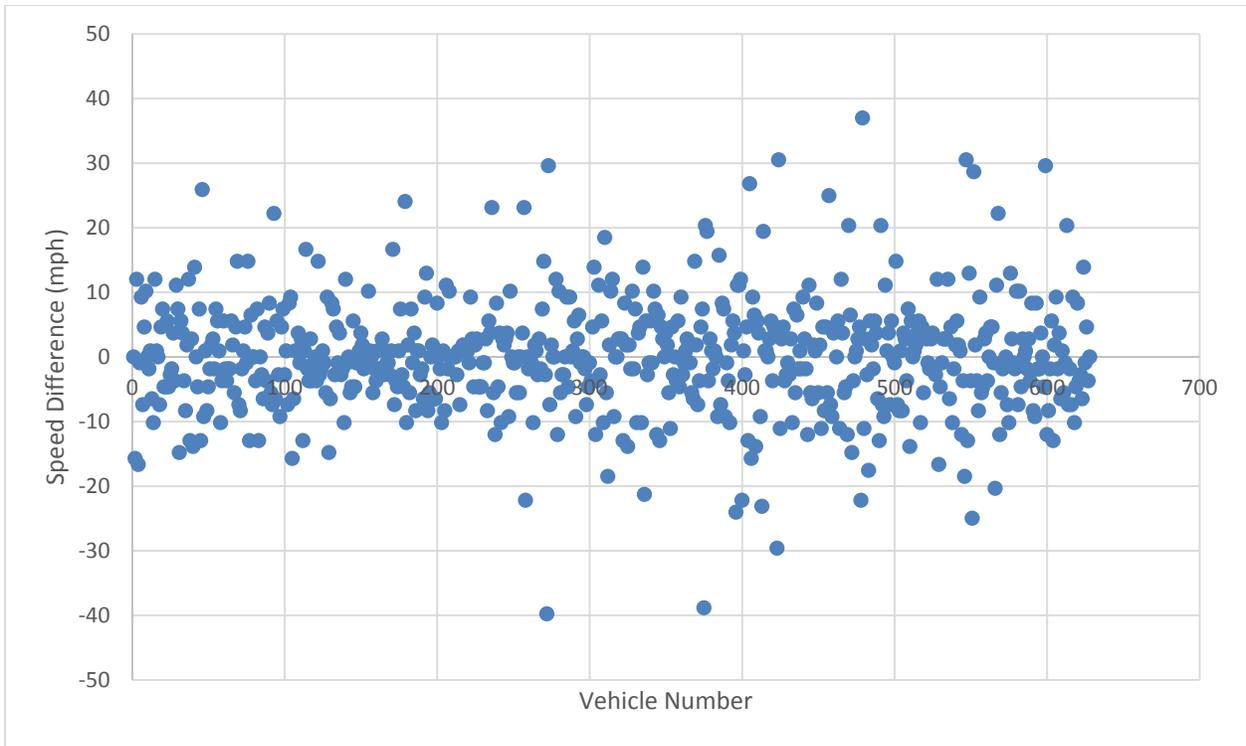


Figure D.26: Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 1, Operation Time

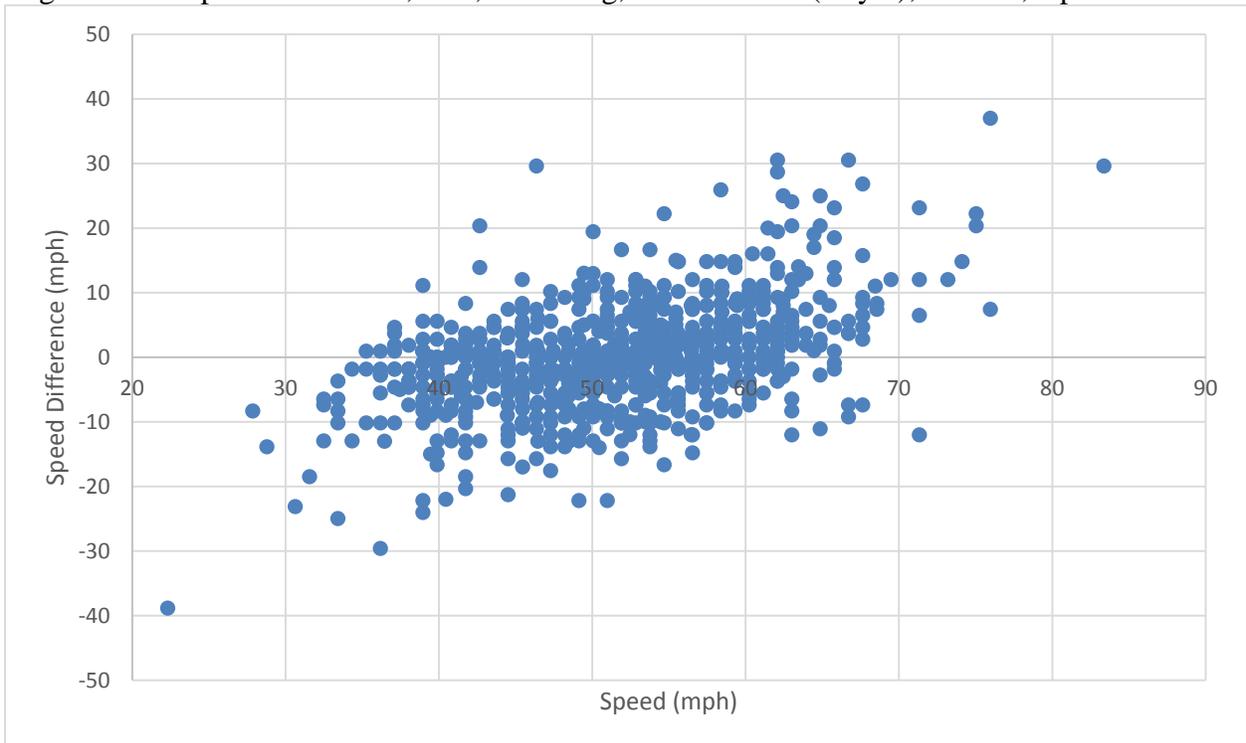


Figure D.27: Speed Difference vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 1, Operation Time

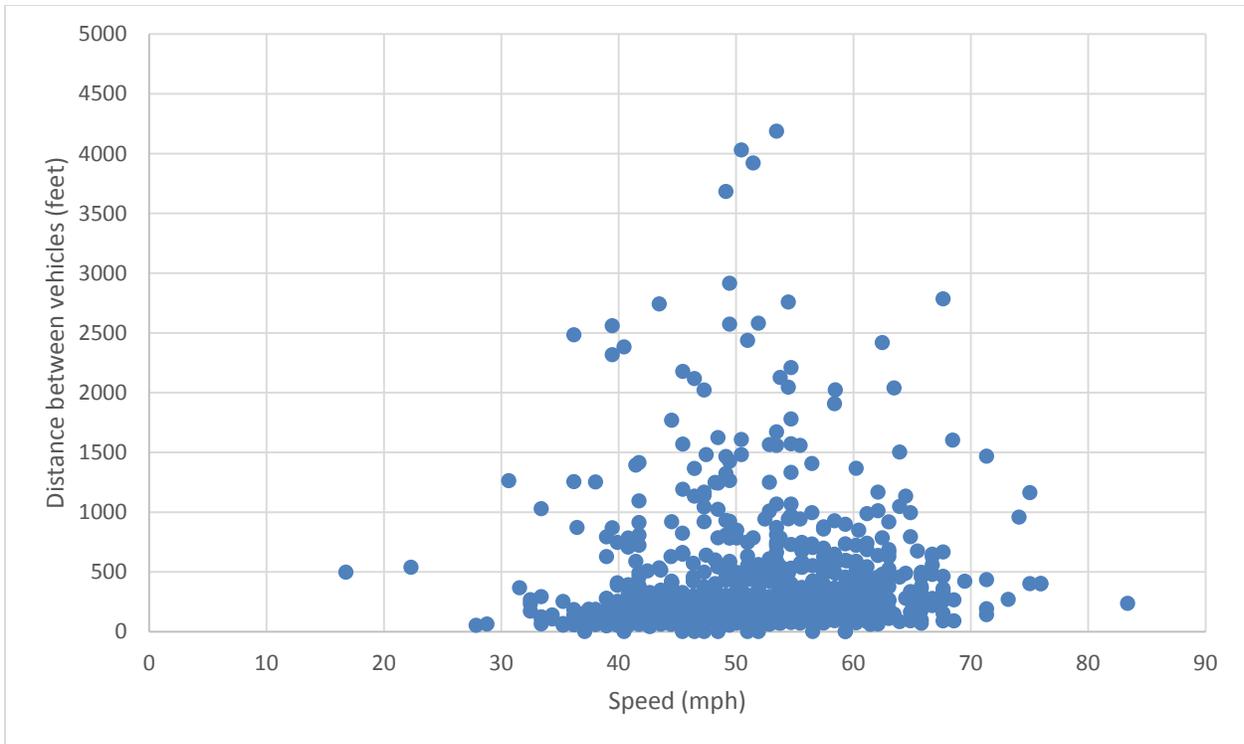


Figure D.28: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 1, Operation Time

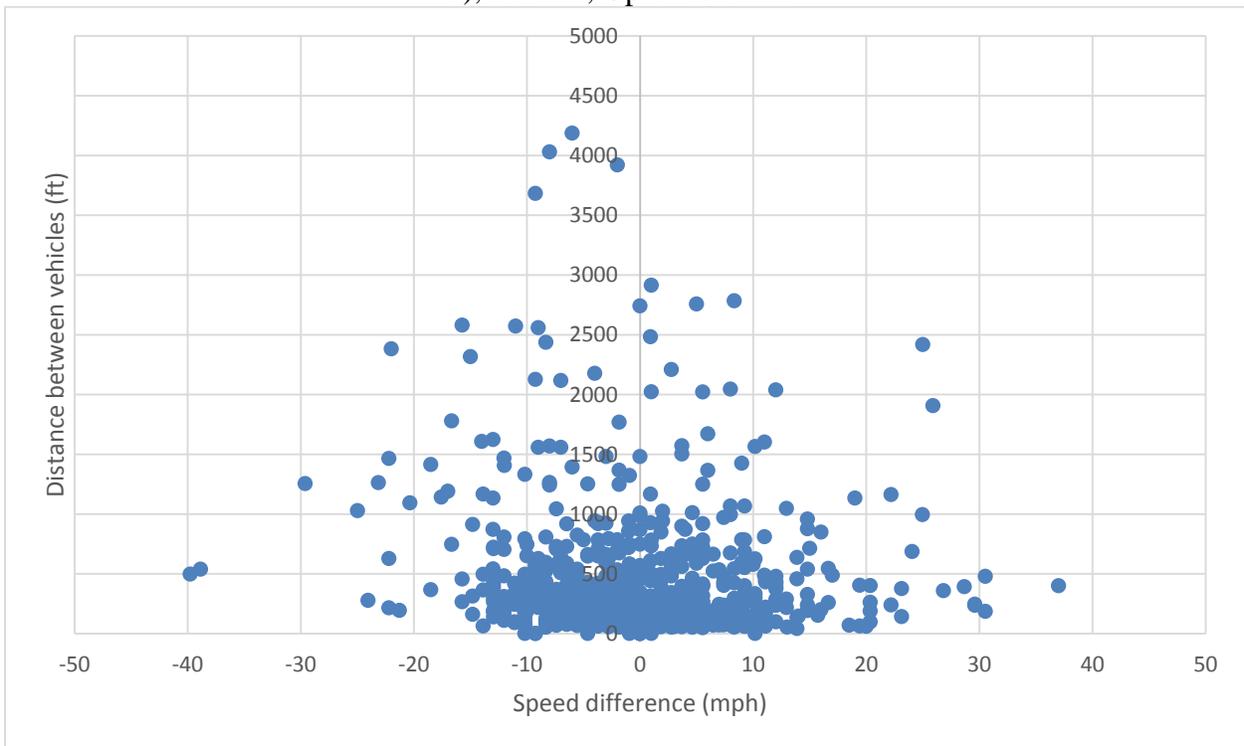


Figure D.29: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 1, Operation Time

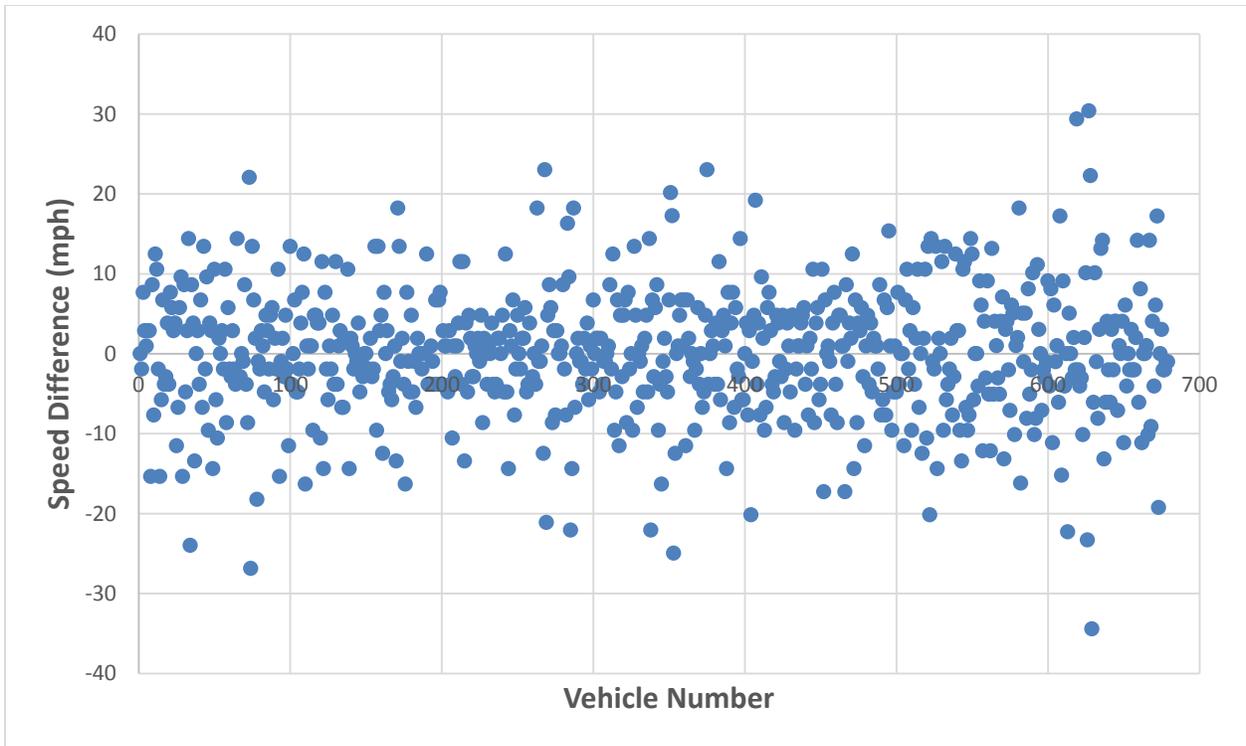


Figure D.30: Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 3, Operation Time

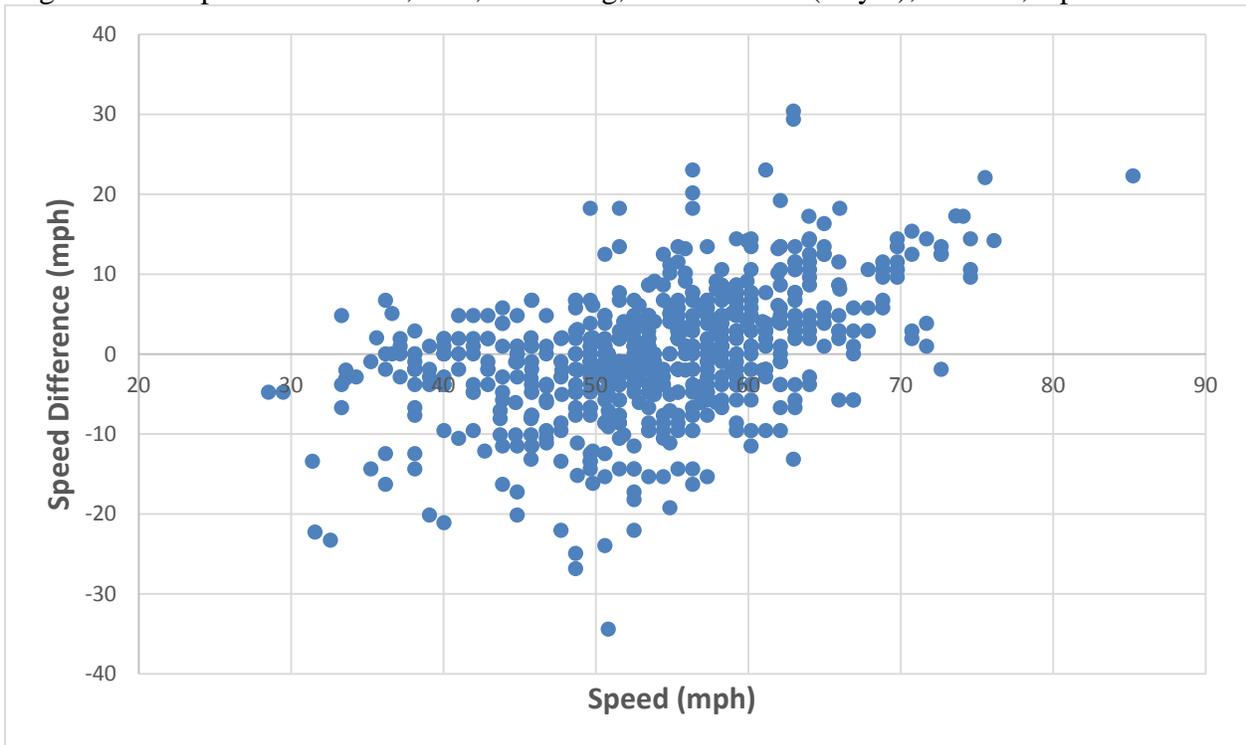


Figure D.31: Speed Difference vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 3, Operation Time

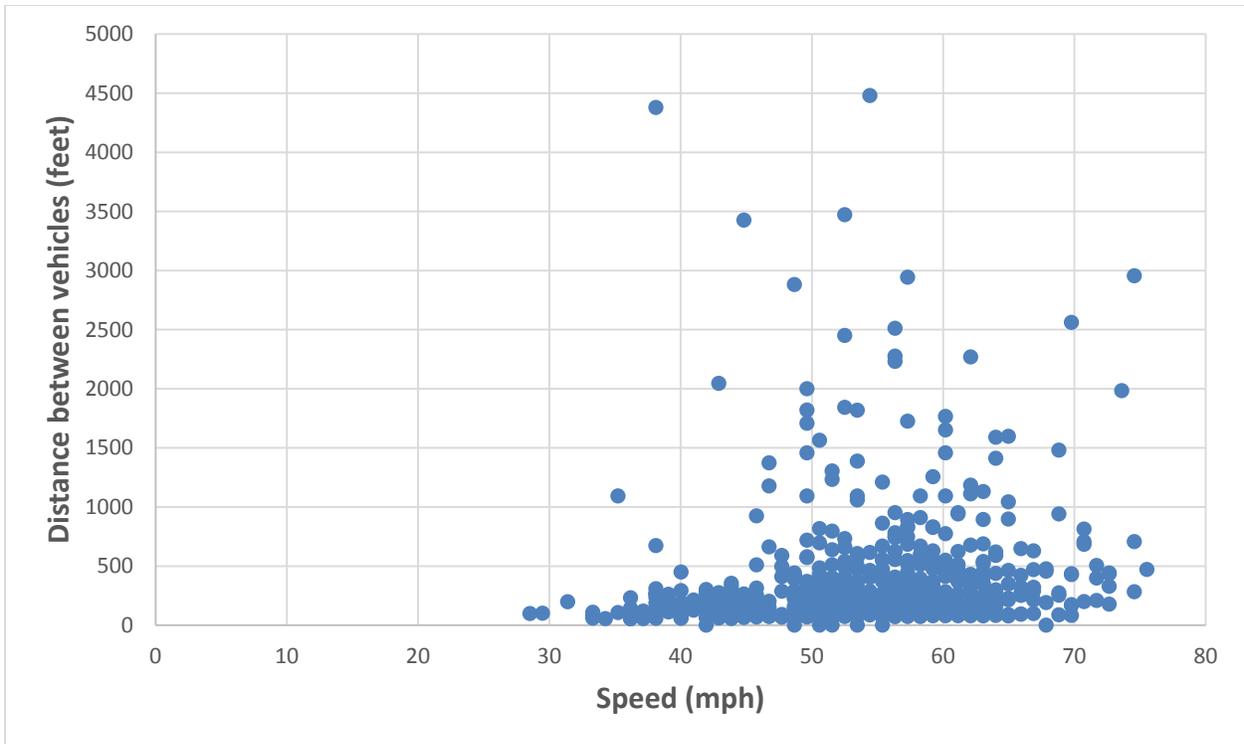


Figure D.32: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 3, Operation Time

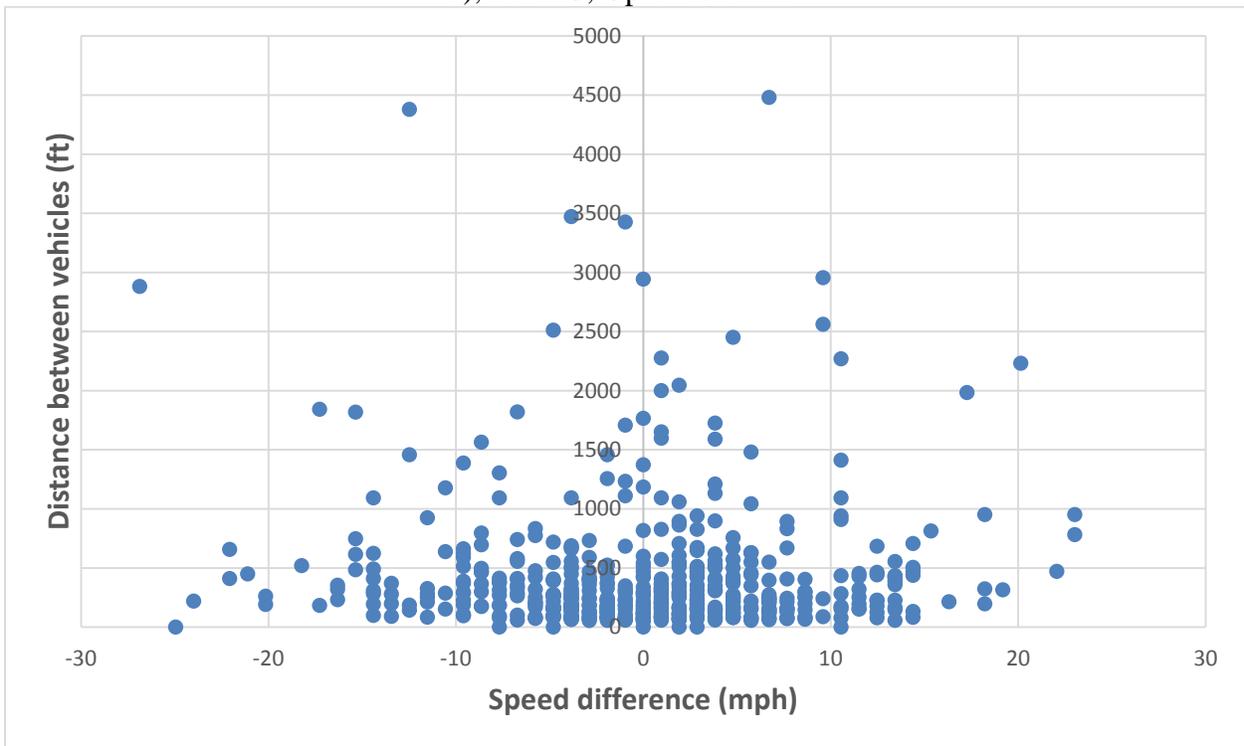


Figure D.33: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 3, Operation Time

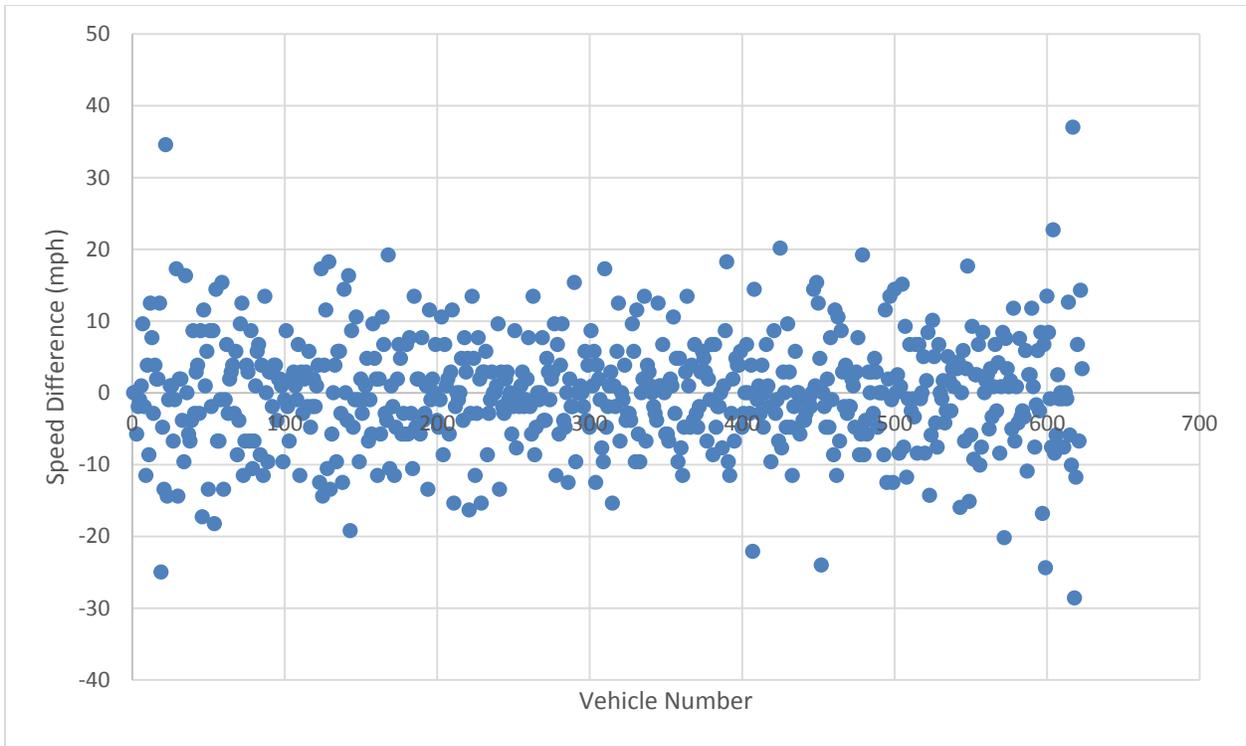


Figure D.34: Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 5, Operation Time

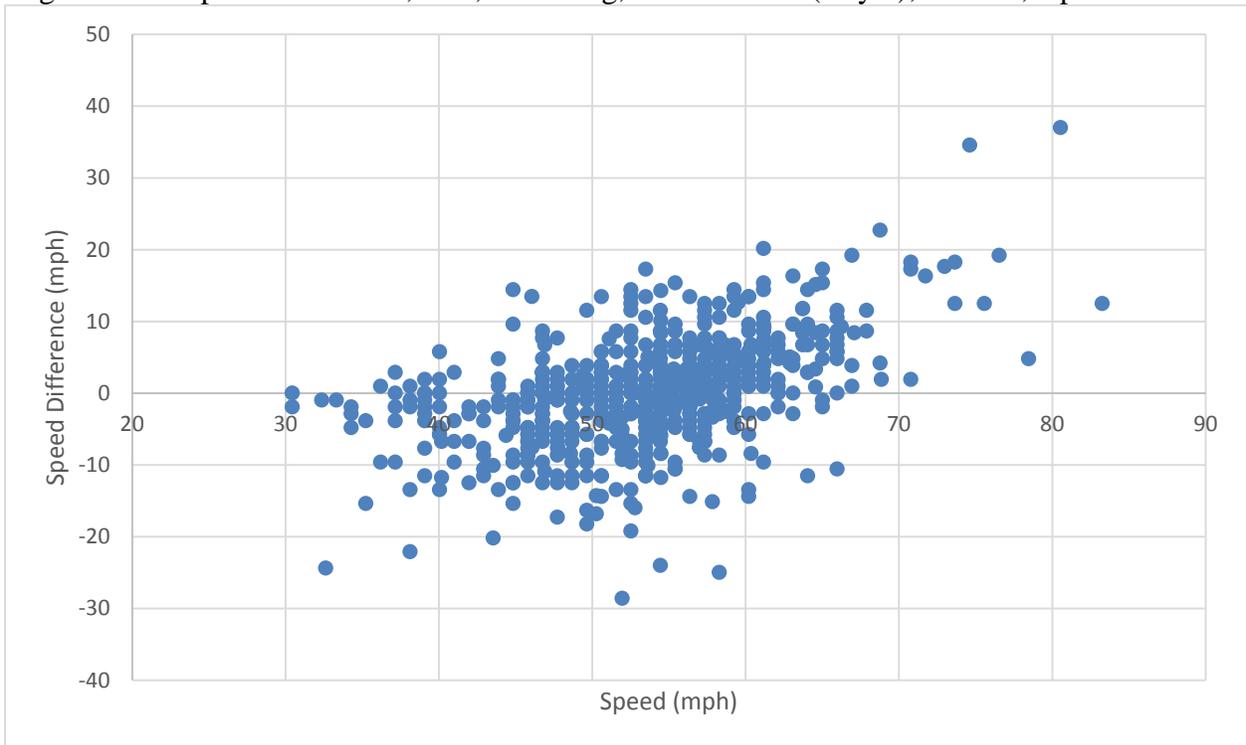


Figure D.35: Speed Difference vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 5, Operation Time

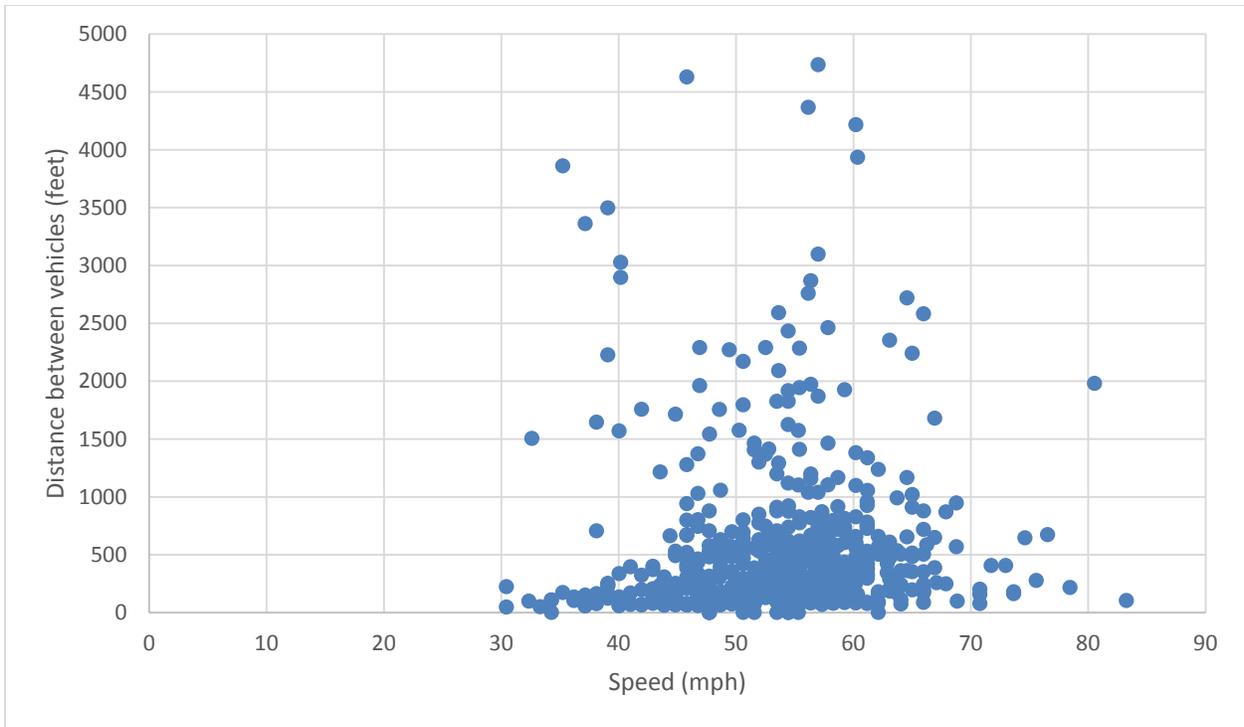


Figure D.36: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 5, Operation Time

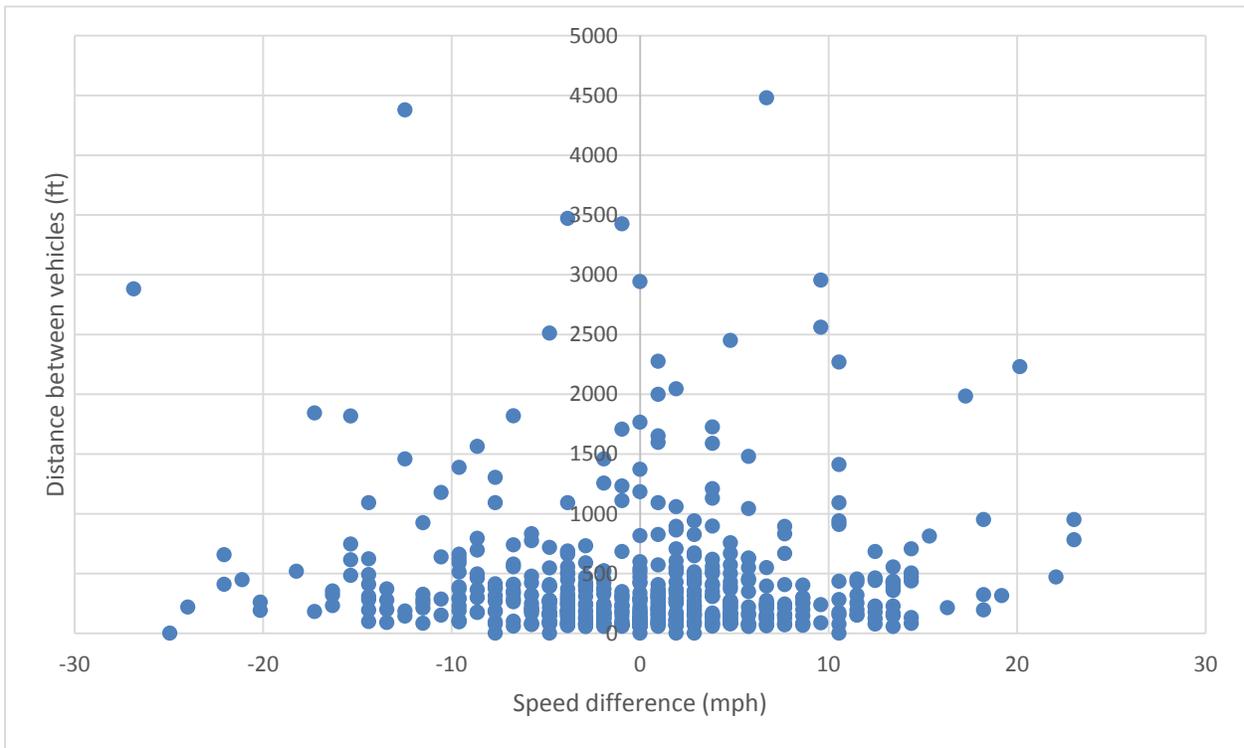


Figure D.37: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 5, Operation Time

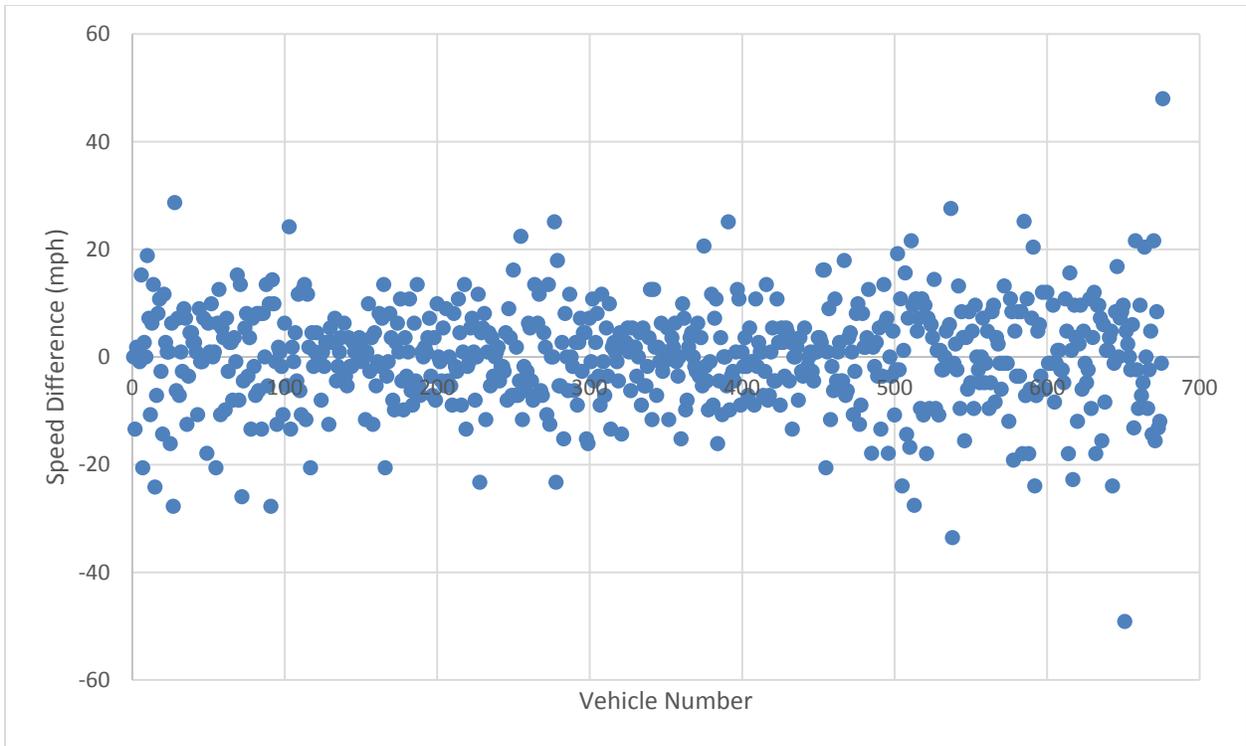


Figure D.38: Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 7, Operation Time

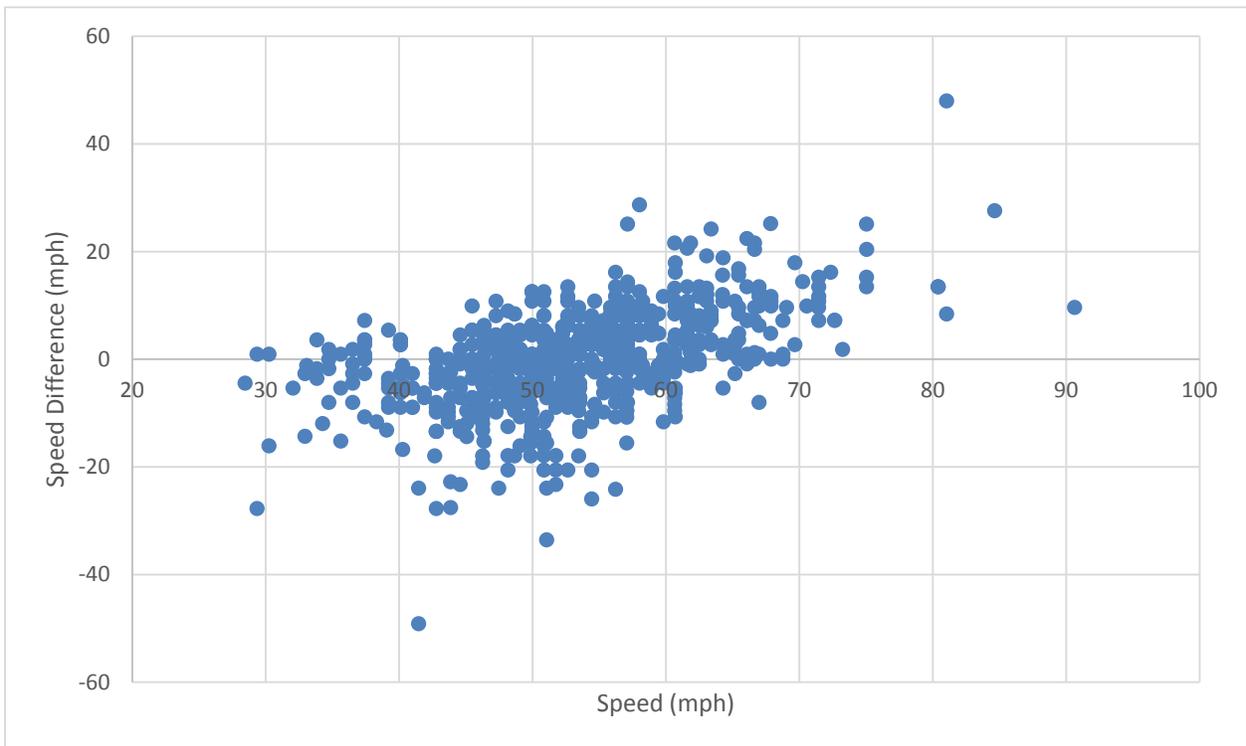


Figure D.39: Speed Difference vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 7, Operation Time

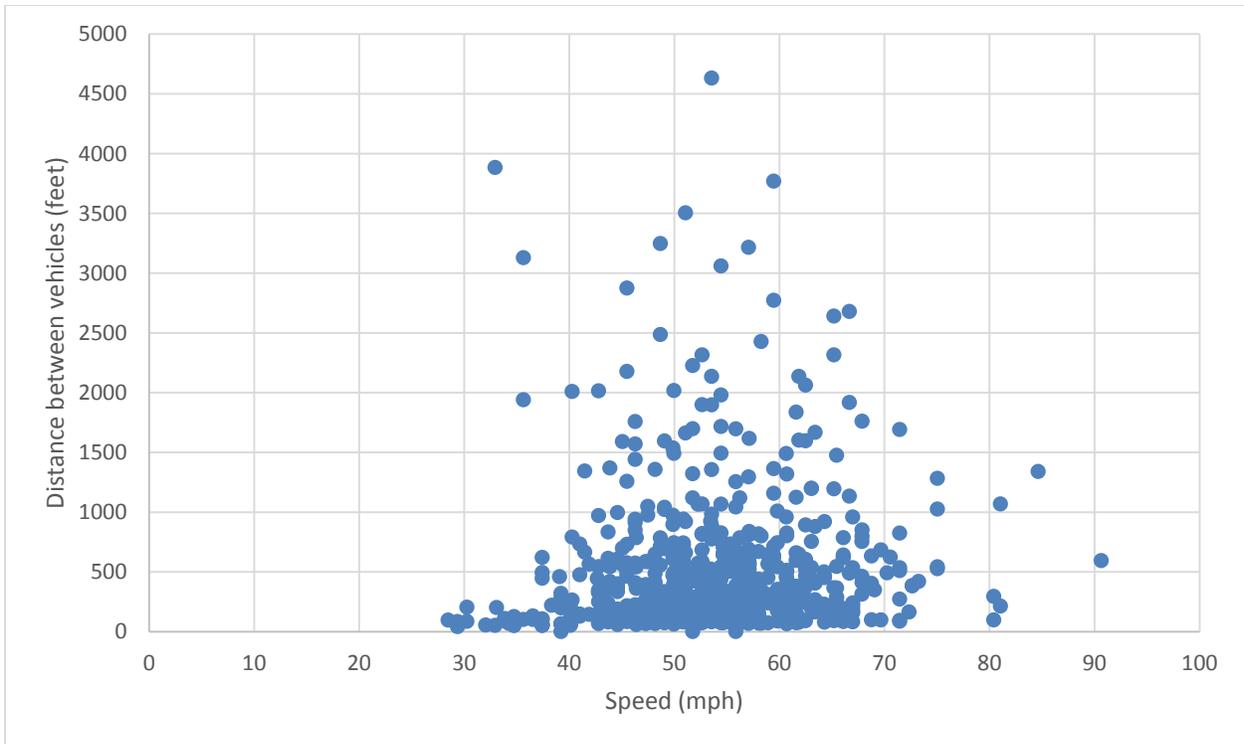


Figure D.40: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, Without RSS (Day 1), Drain 7, Operation Time

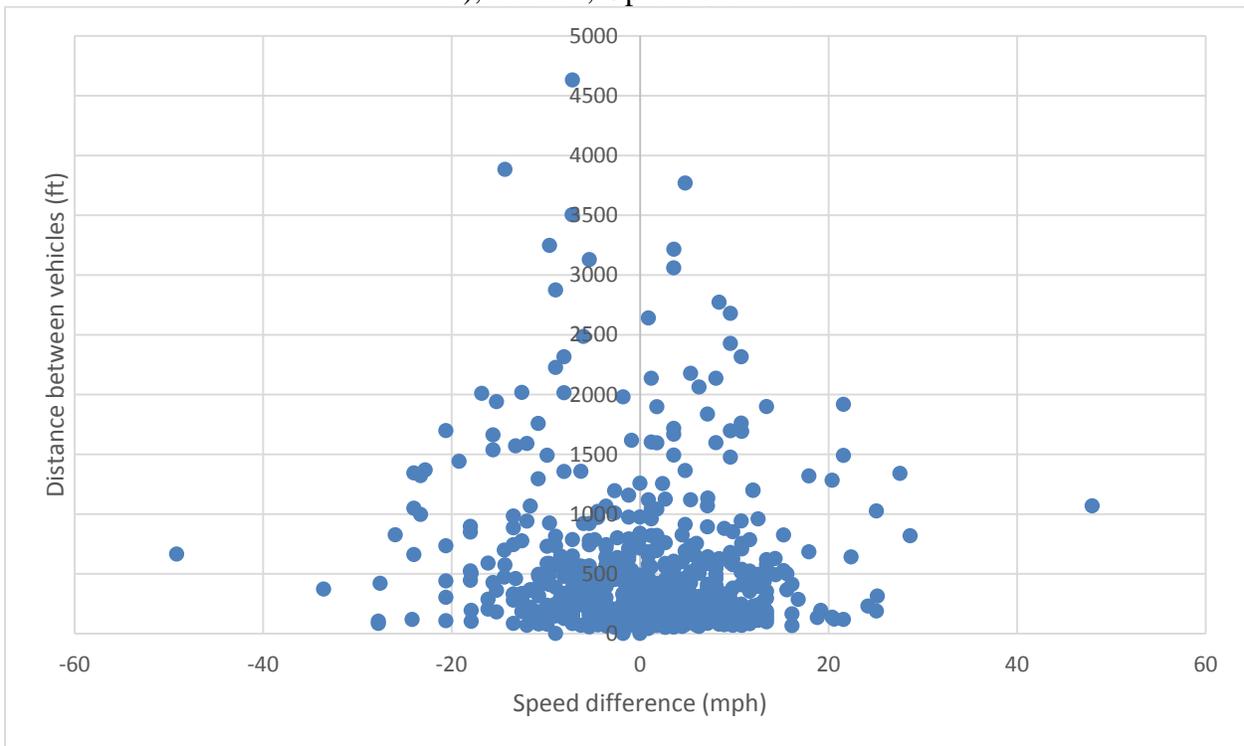


Figure D.41: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, Without RSS (Day 1), Drain 7, Operation Time

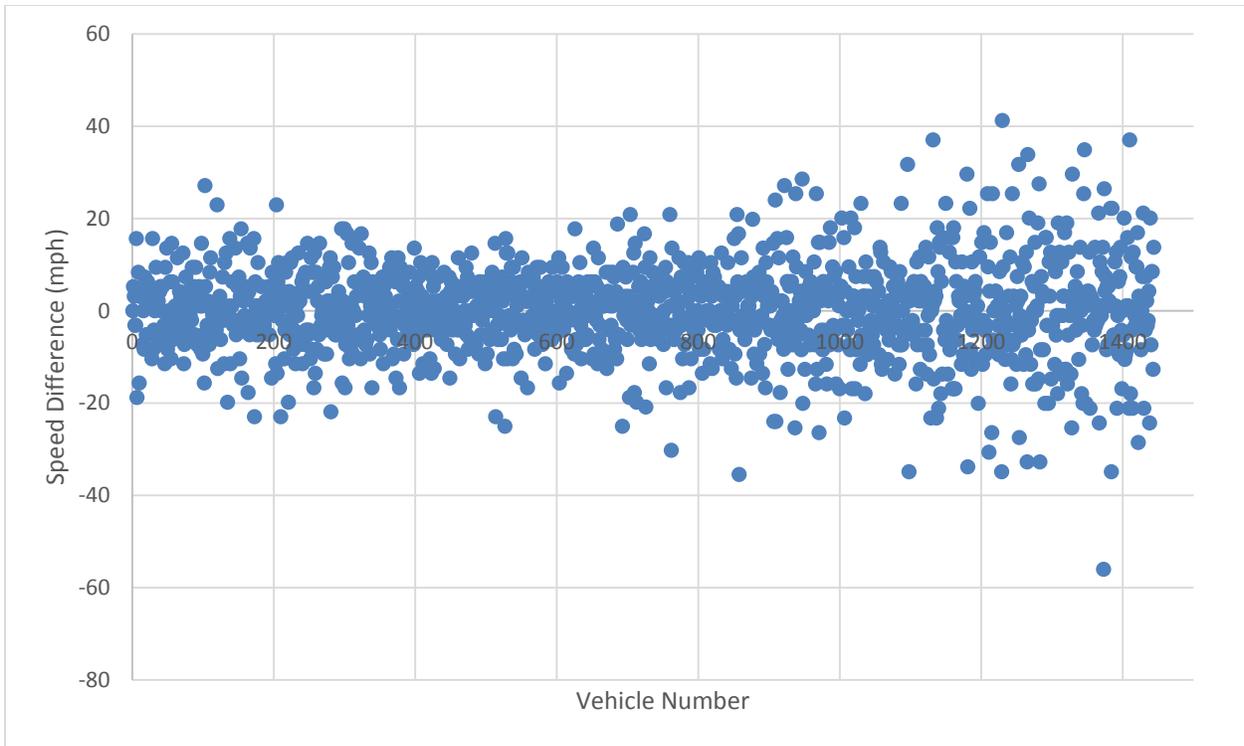


Figure D.42: Speed Difference, I-84, Vactoring, With RSS (Day 2), RWA, Operation Time

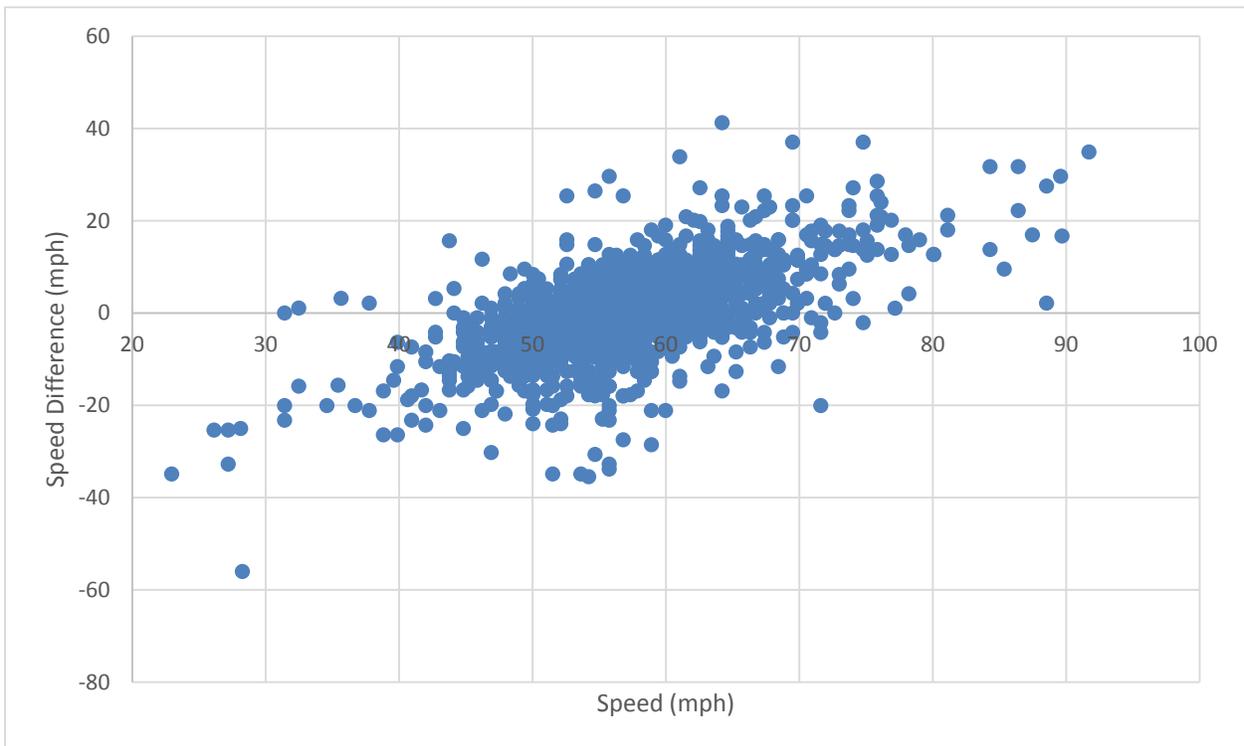


Figure D.43: Speed Difference vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), RWA, Operation Time

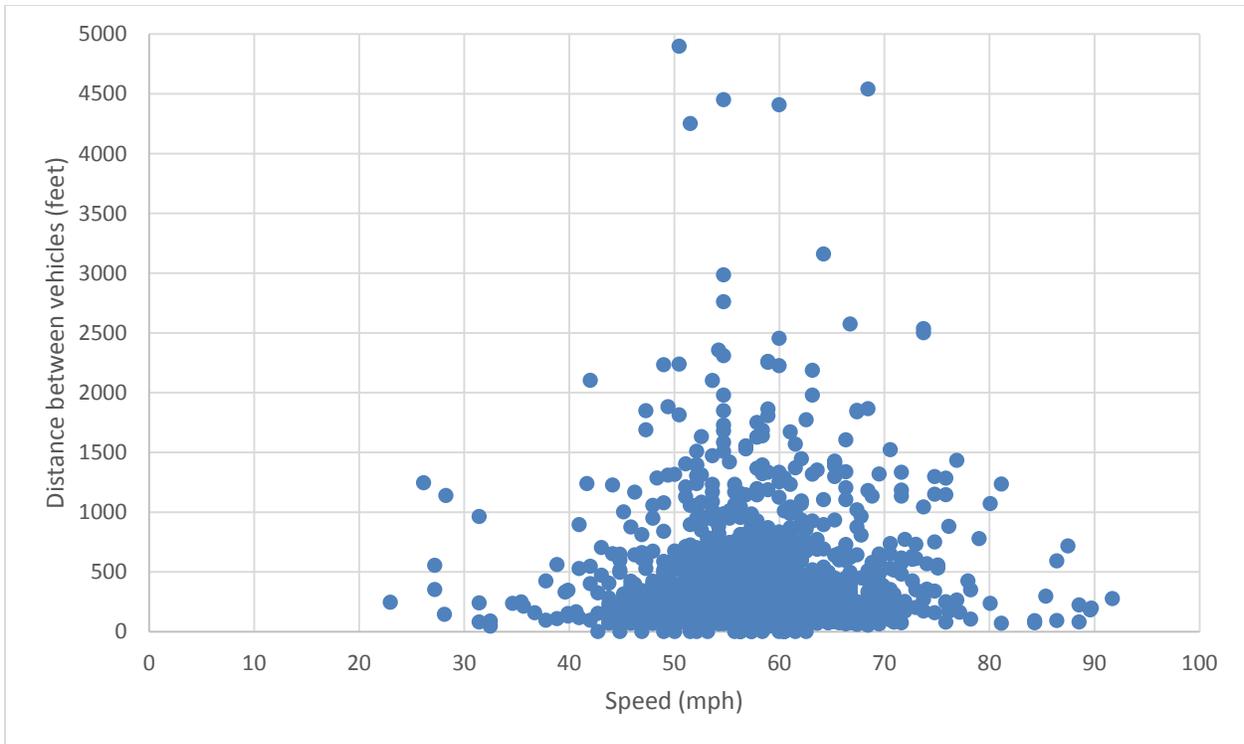


Figure D.44: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), RWA, Operation Time

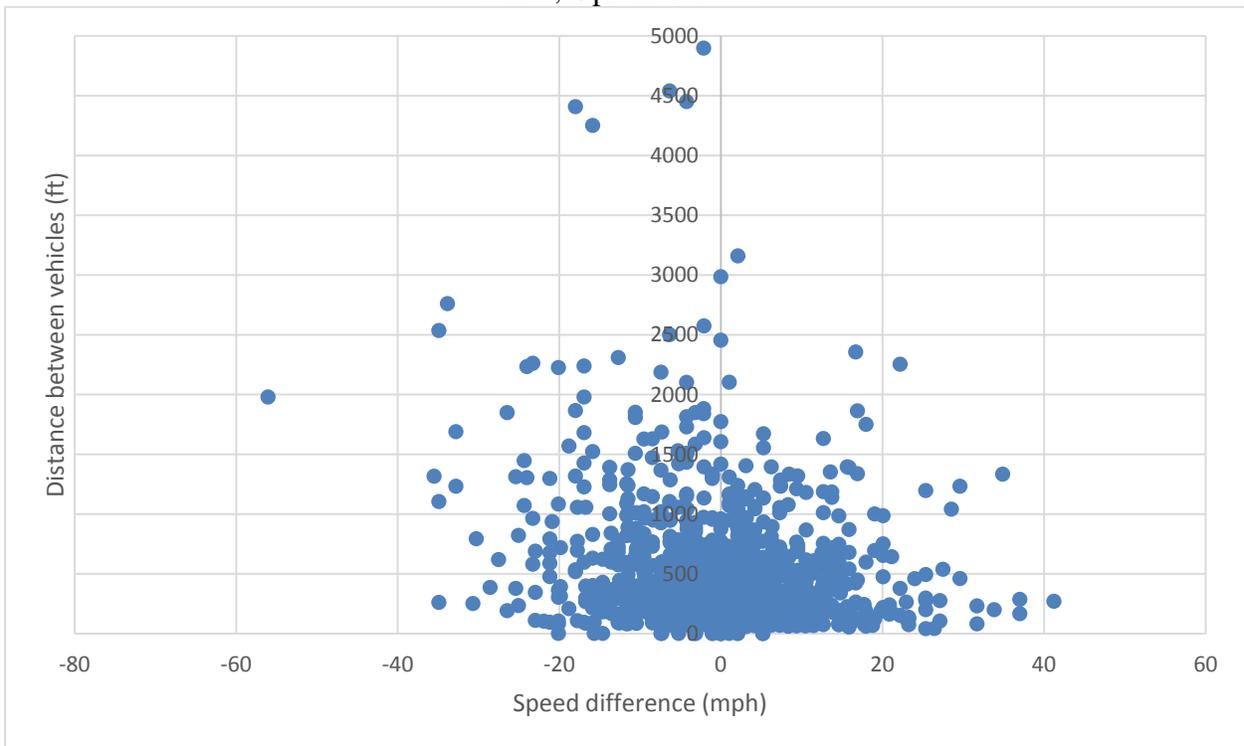


Figure D.45: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, With RSS (Day 2), RWA, Operation Time

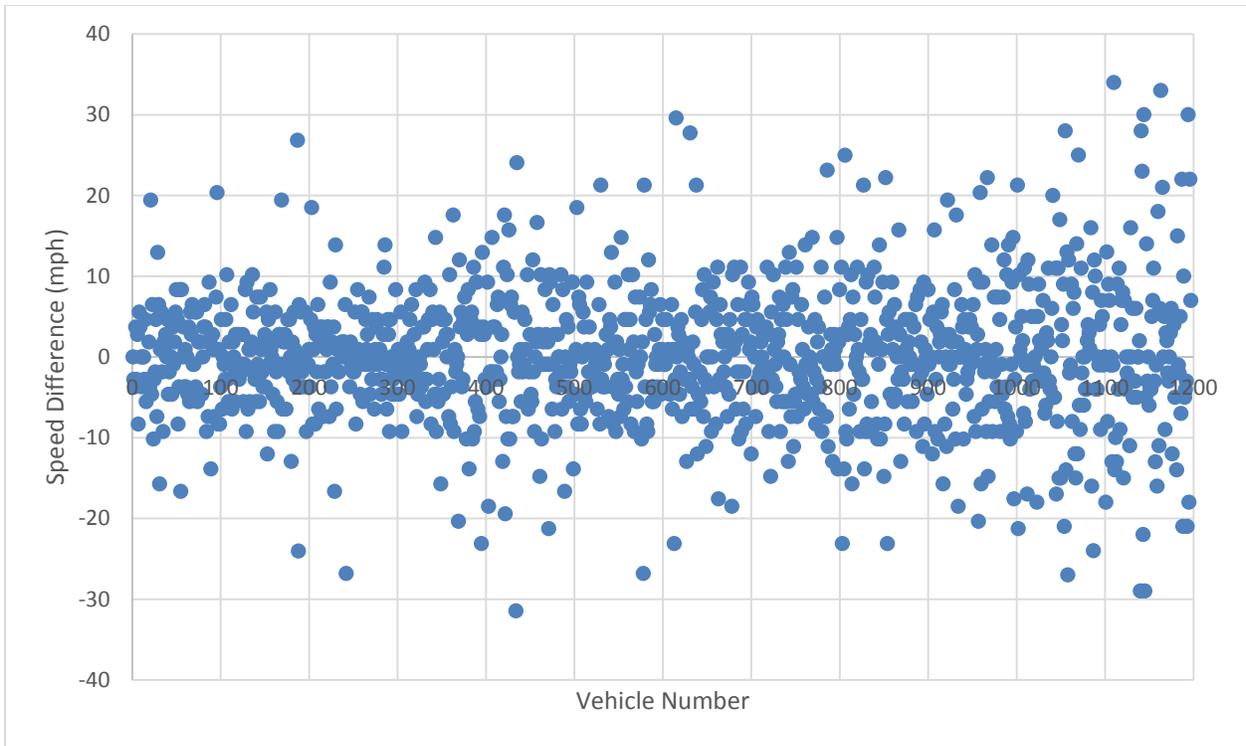


Figure D.46: Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 2, Operation Time

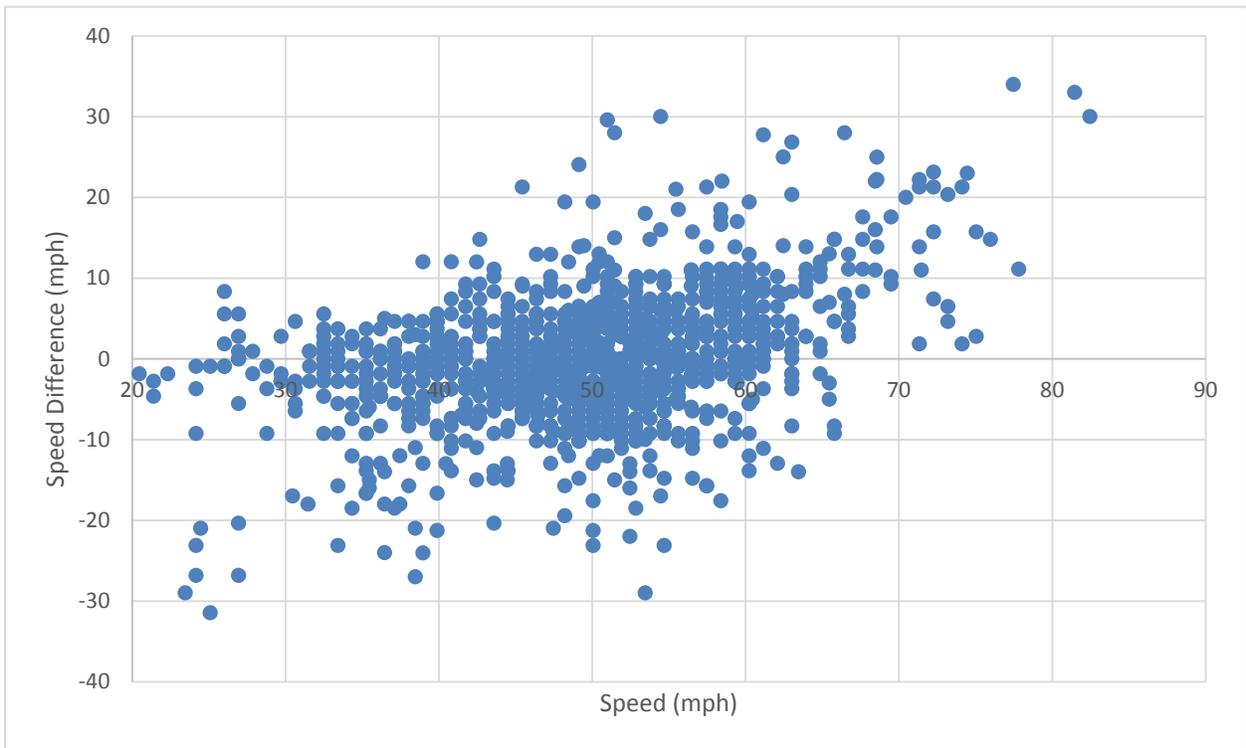


Figure D.47: Speed Difference vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 2, Operation Time

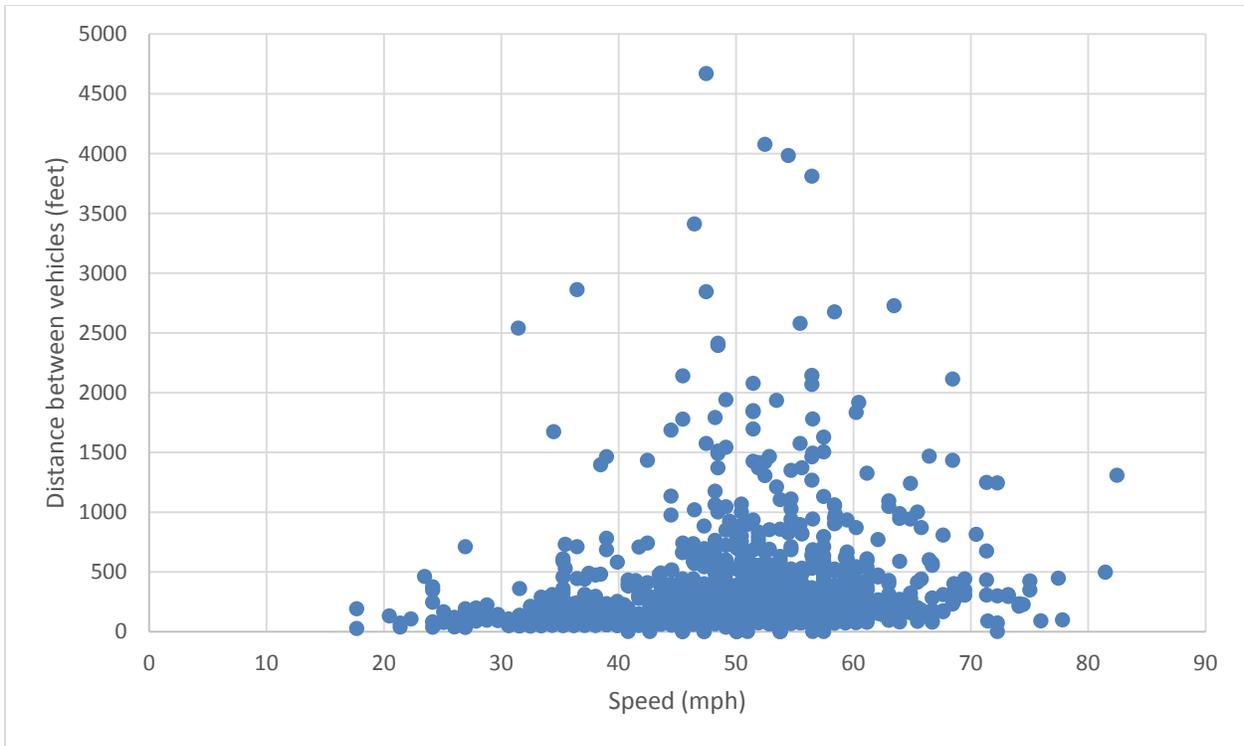


Figure D.48: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 2, Operation Time

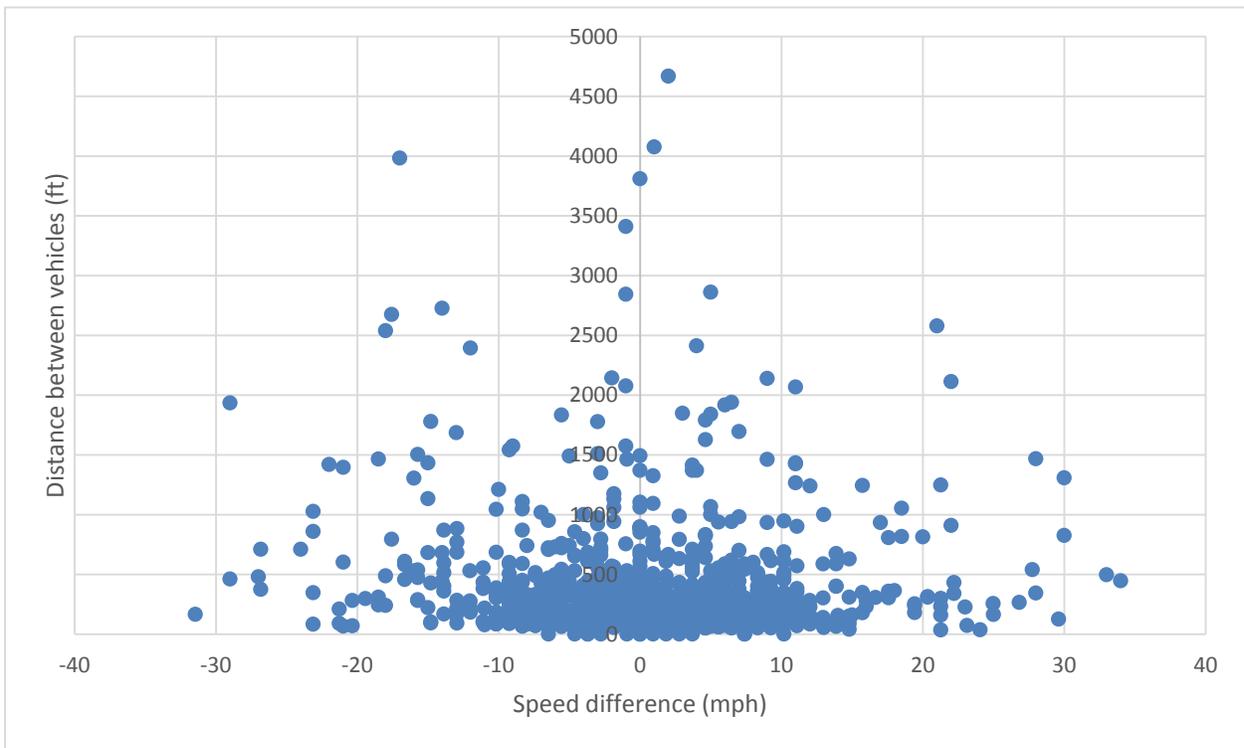


Figure D.49: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 2, Operation Time

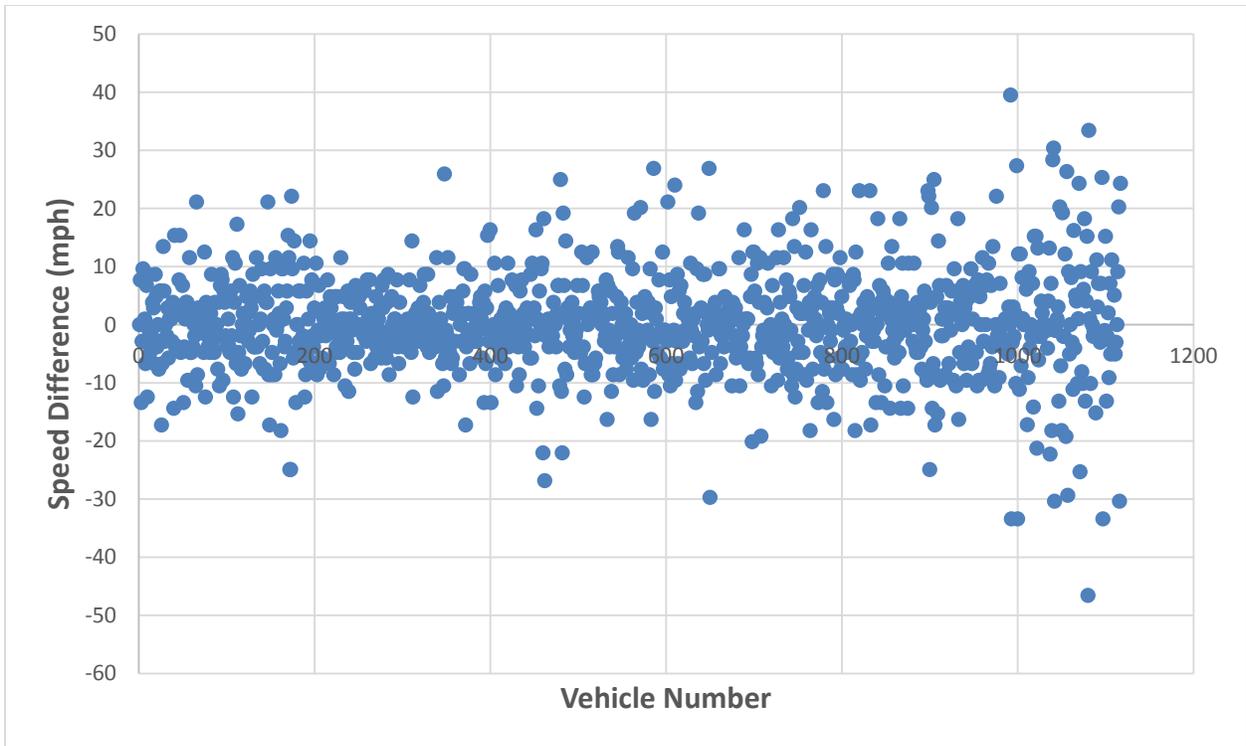


Figure D.50: Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 4, Operation Time

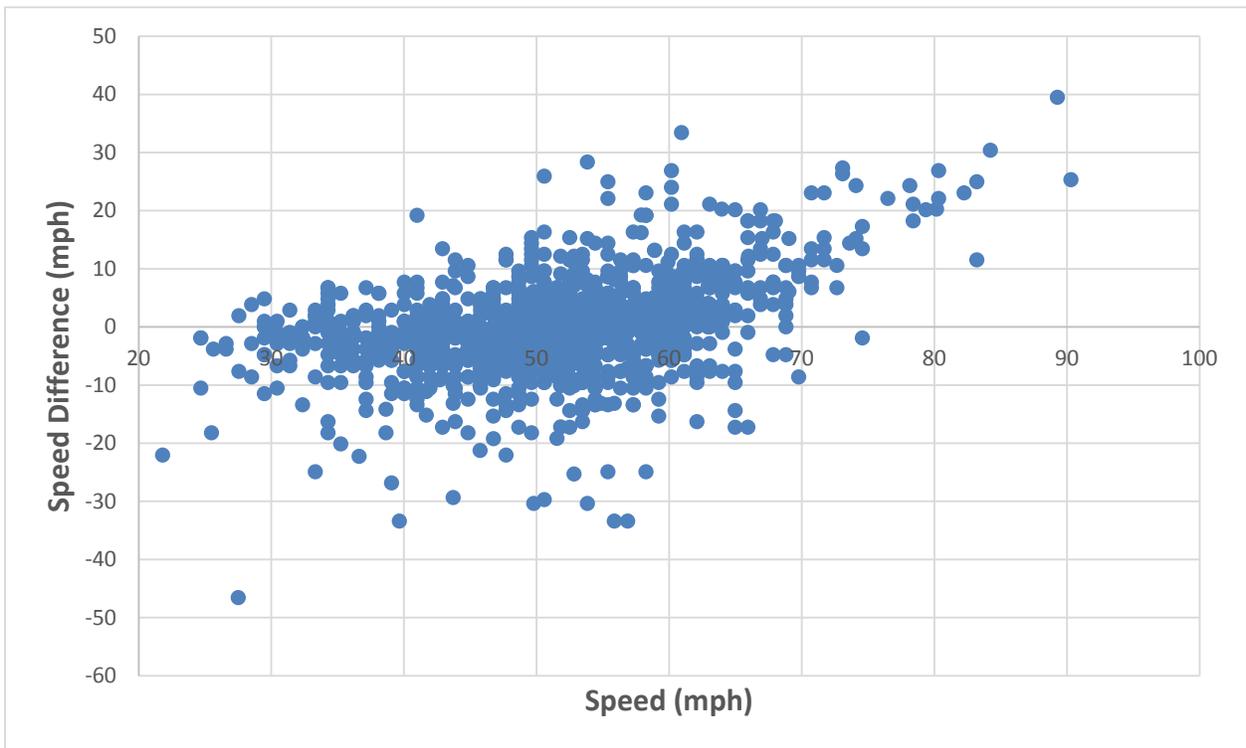


Figure D.51: Speed Difference vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 4, Operation Time

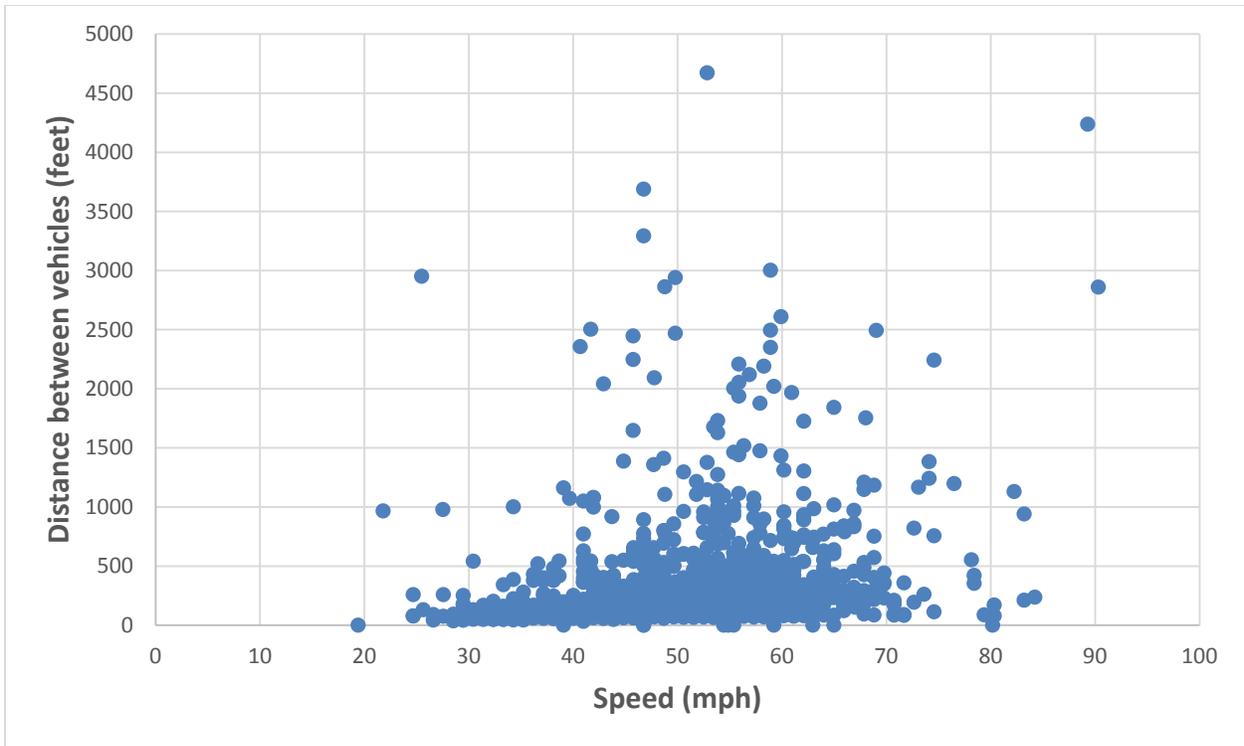


Figure D.52: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 4, Operation Time

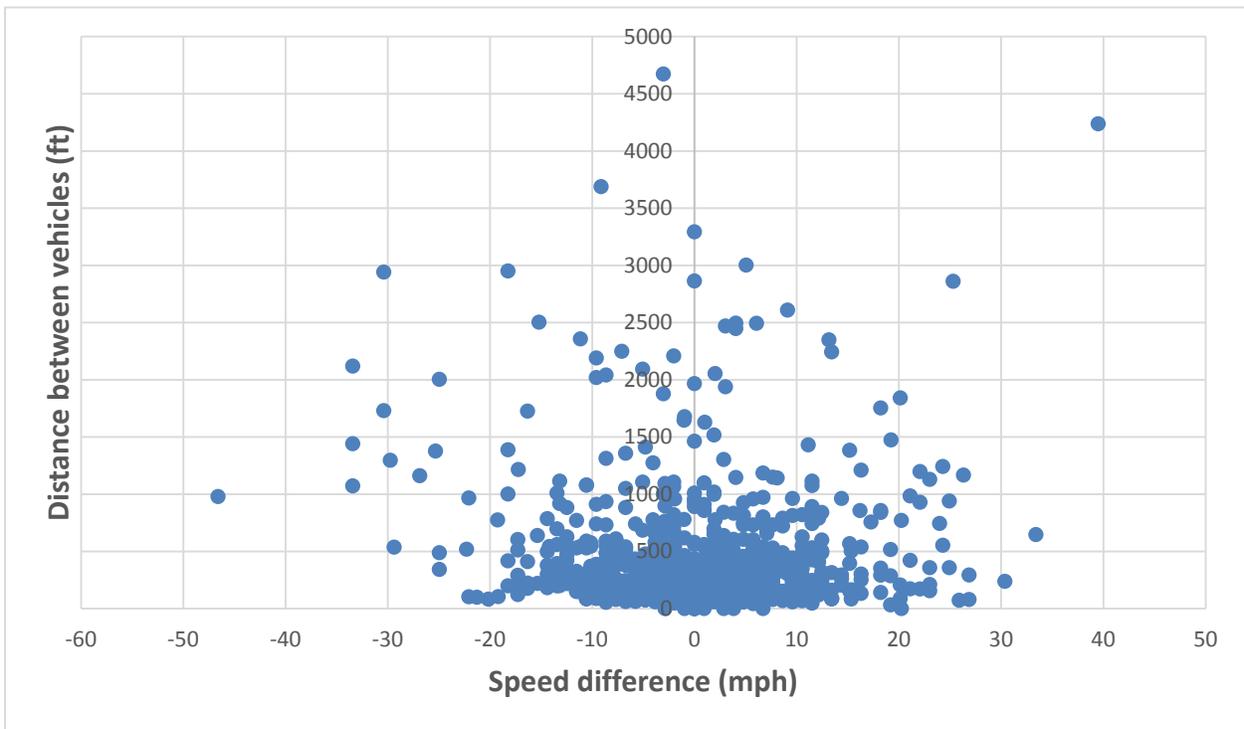


Figure D.53: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 4, Operation Time

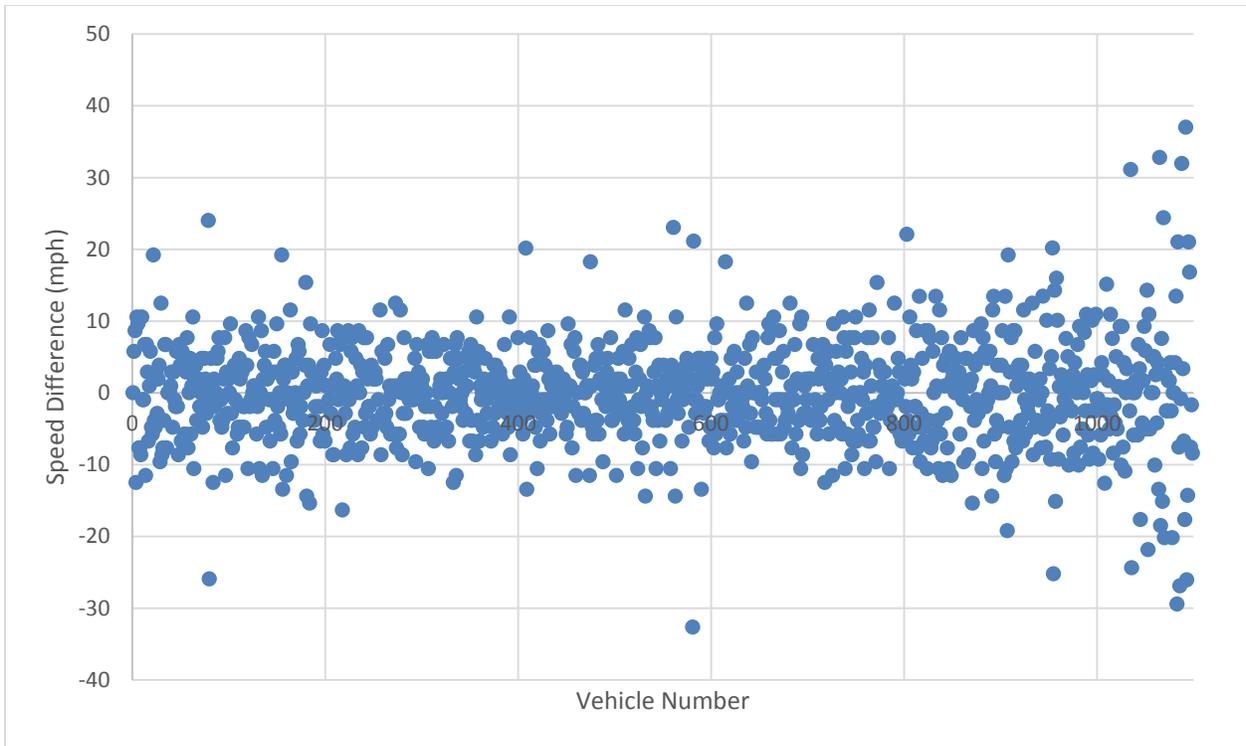


Figure D.54: Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 6, Operation Time

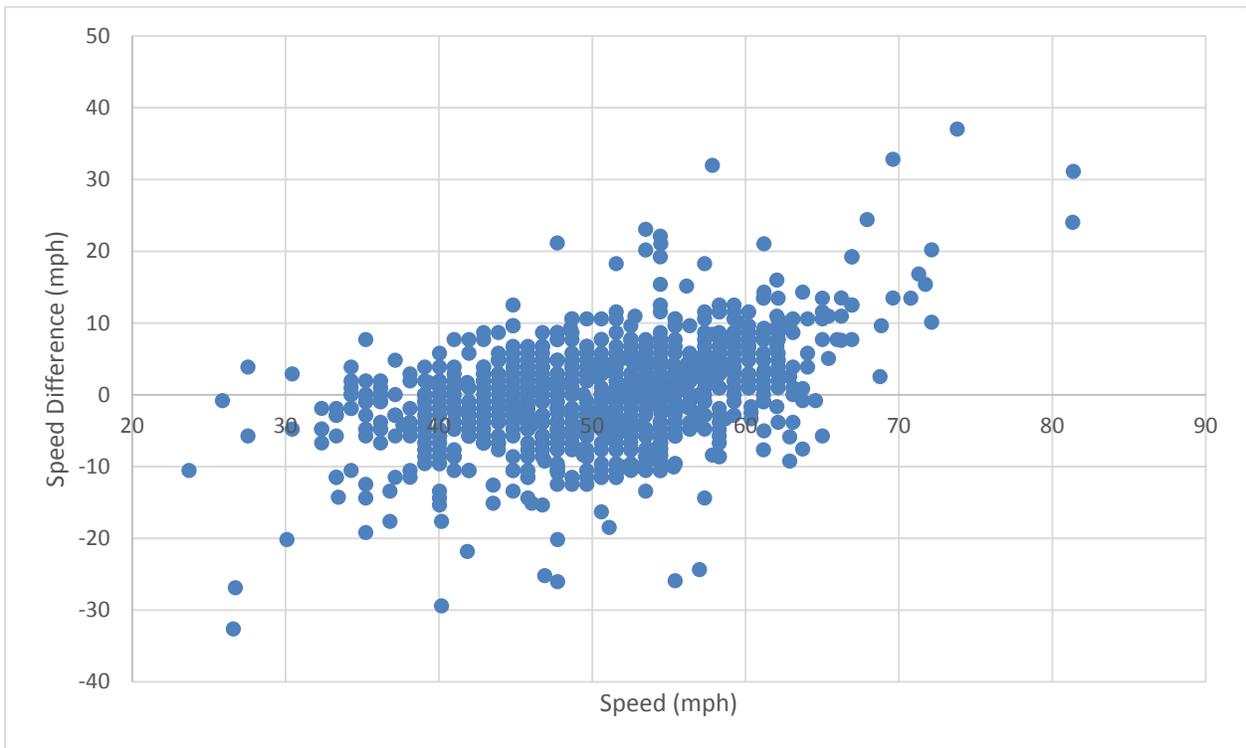


Figure D.55: Speed Difference vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 6, Operation Time

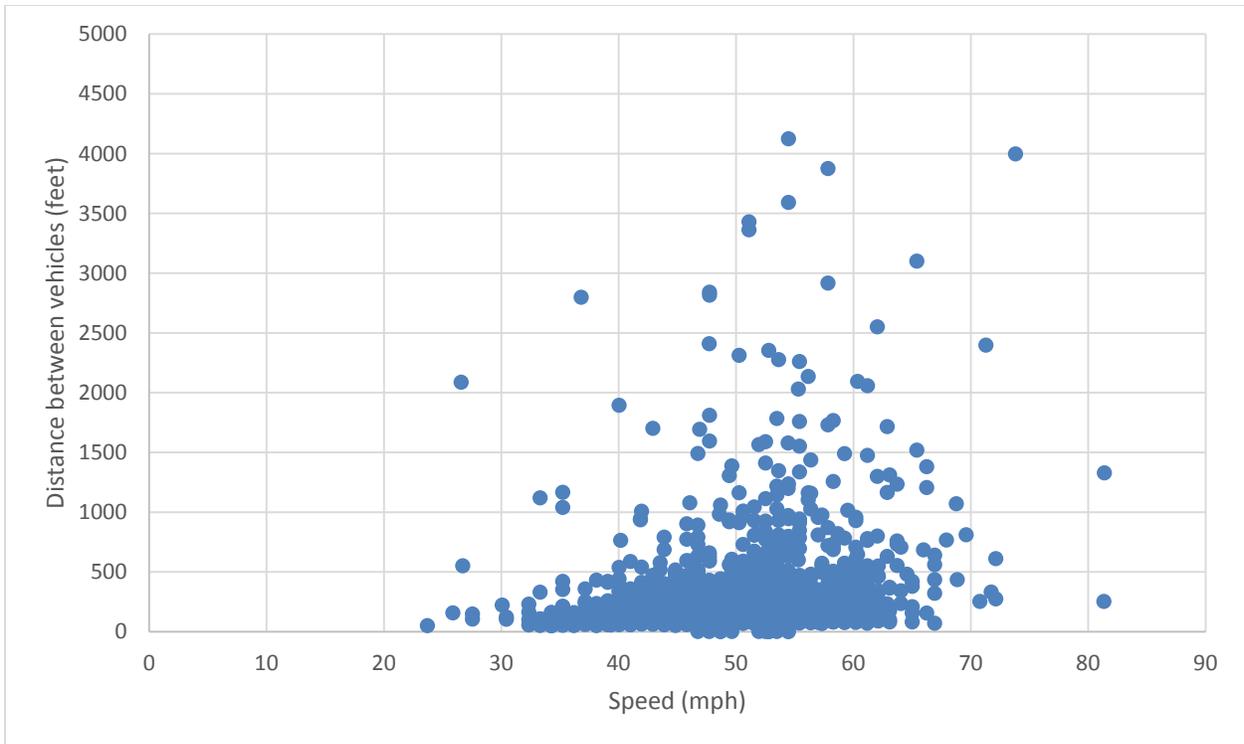


Figure D.56: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 6, Operation Time

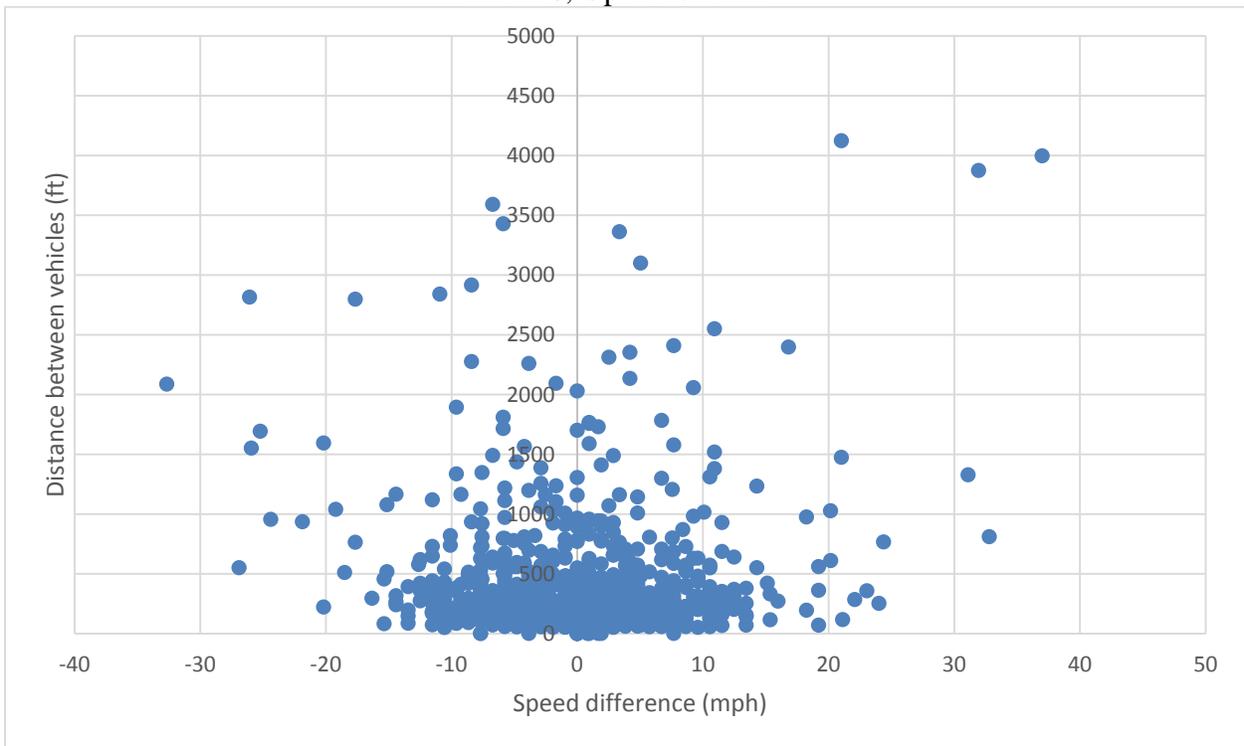


Figure D.57: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 6, Operation Time

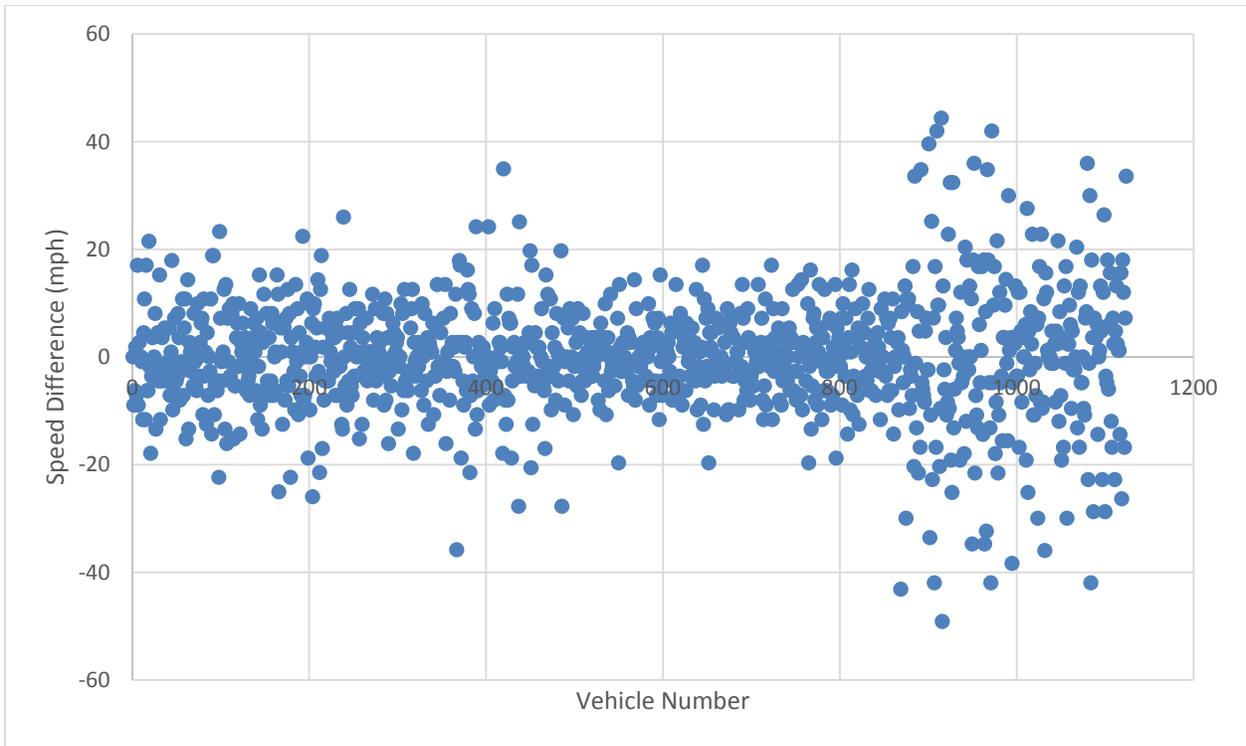


Figure D.58: Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 8, Operation Time

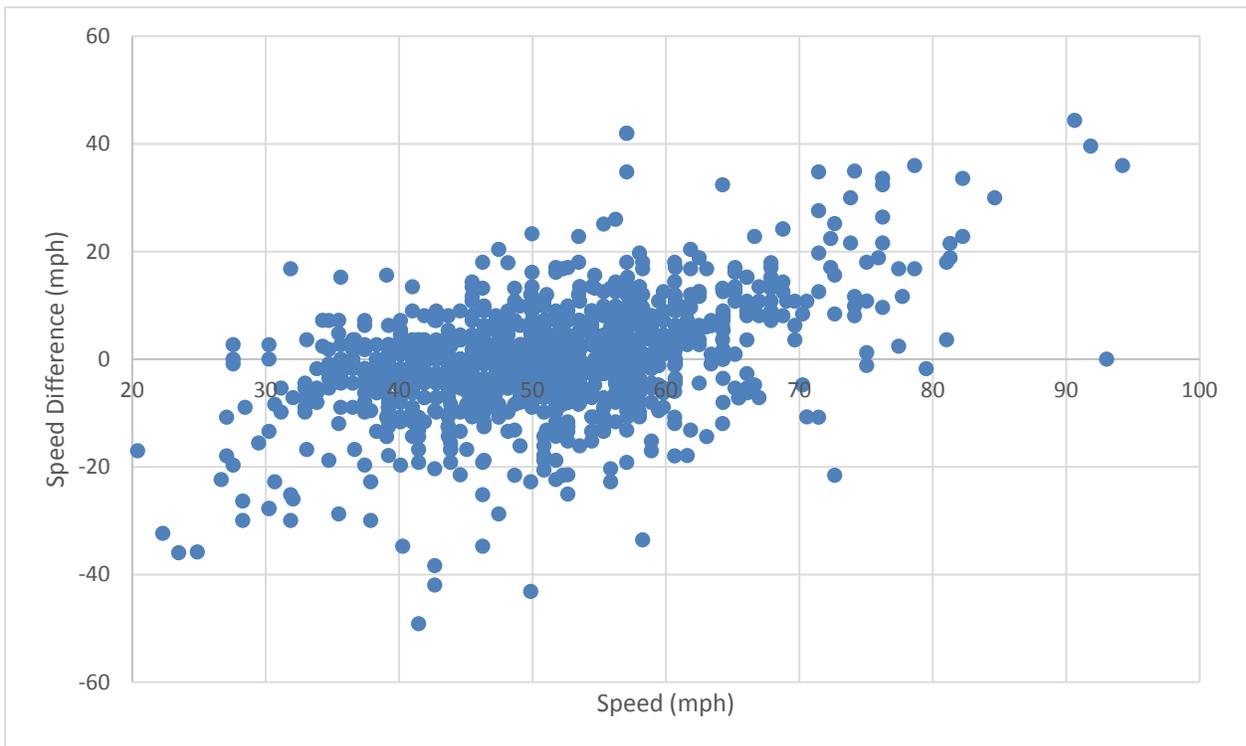


Figure D.59: Speed Difference vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 8, Operation Time

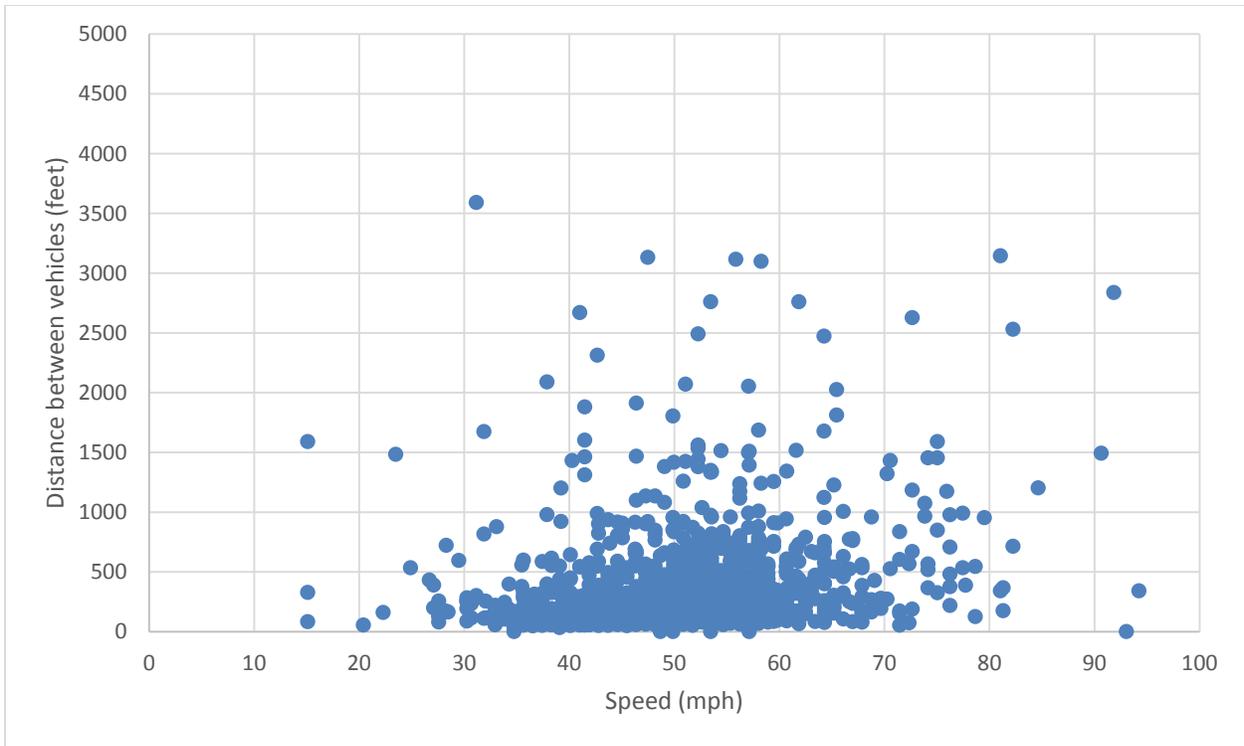


Figure D.60: Distance between Vehicles vs. Vehicle Speed, I-84, Vactoring, With RSS (Day 2), Drain 8, Operation Time

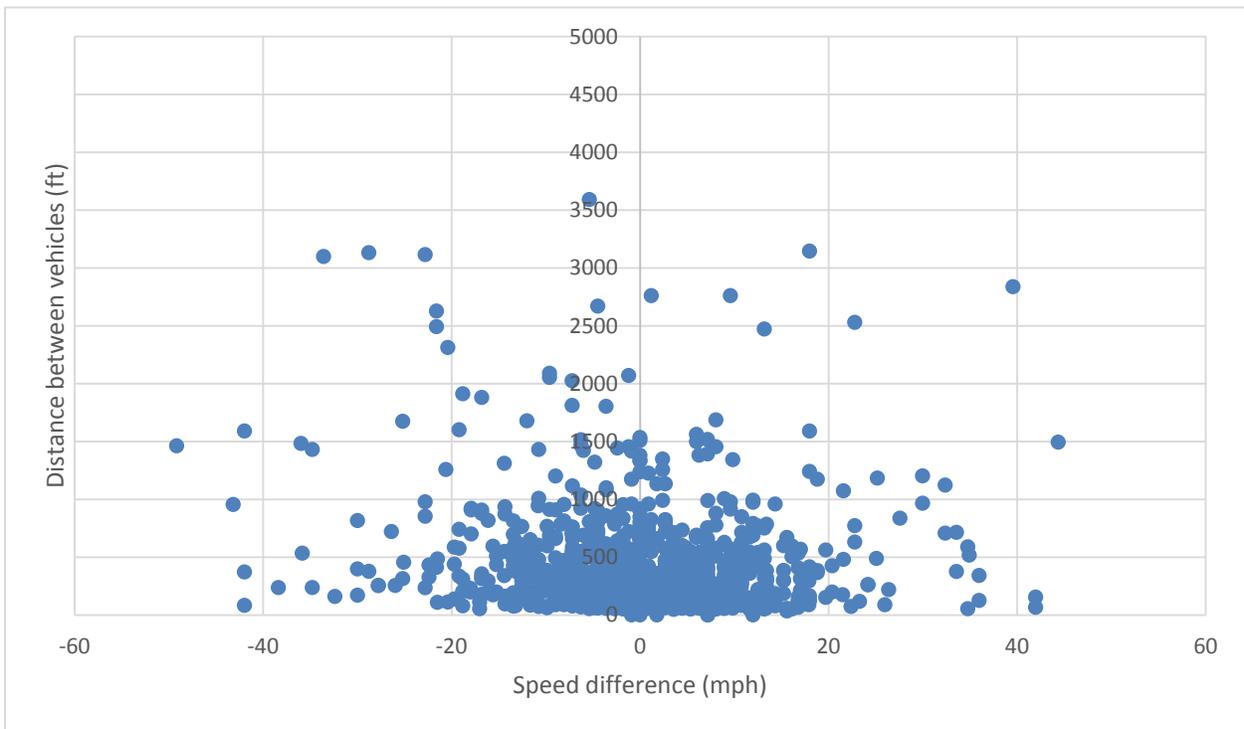


Figure D.61: Difference between Vehicles vs. Vehicle Speed Difference, I-84, Vactoring, With RSS (Day 2), Drain 8, Operation Time

Table D.44: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-84, Vactoring, RWA

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.82	7.07	0.25	0.3437
Passenger Cars	6.83	7.02	0.19	0.4920
Trucks	6.45	8.07	1.62	0.2570

Table D.45: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-84, Vactoring, RWA

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.10	7.44	0.34	0.3564
Passenger Cars	7.11	7.41	0.30	0.4184
Trucks	6.56	8.20	1.64	0.5440

Table D.46: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-84, Vactoring, RWA

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	497.44	429.51	67.93	0.0013
Passenger Cars	498.36	421.23	77.13	0.0003
Trucks	476.11	594.23	118.12	0.2728

Table D.47: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.83	6.45	0.38	0.6969
Mean positive speed difference (mph)	7.11	6.56	0.55	0.7229
Mean distance between adjacent vehicles (feet)	498.36	476.11	22.26	0.7975

Table D.48: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	7.02	8.07	1.05	0.1978
Mean positive speed difference (mph)	7.41	8.20	0.79	0.5888
Mean distance between adjacent vehicles (feet)	421.23	594.23	173.00	0.0038

Table D.49: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With and Without RSS (Day 1 and 2), RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	6.94	7.47	0.53	0.3990
Mean positive speed difference (mph)	7.29	7.52	0.23	0.8282
Mean distance between adjacent vehicles (feet)	452.16	550.88	98.72	0.0474

Table D.50: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 1 and Drain 2

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.20	5.93	0.27	0.3243
Passenger Cars	6.12	5.81	0.31	0.2583
Trucks	7.45	7.82	0.36	0.7768

Table D.51: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 1 and Drain 2

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.75	6.62	0.14	0.7379
Passenger Cars	6.70	6.42	0.29	0.4859
Trucks	7.64	10.40	2.76	0.2399

Table D.52: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-84, Vactoring, Drain 1 and Drain 2

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	450.89	367.16	83.73	0.0056
Passenger Cars	447.10	365.47	81.63	0.0098
Trucks	510.31	392.68	117.63	0.2119

Table D.53: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.12	7.45	1.33	0.1401
Mean positive speed difference (mph)	6.70	7.64	0.94	0.5236
Mean distance between adjacent vehicles (feet)	447.10	510.31	63.22	0.5559

Table D.54: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	5.81	7.82	2.01	0.0036
Mean positive speed difference (mph)	6.42	10.40	3.99	0.0005
Mean distance between adjacent vehicles (feet)	365.47	392.68	27.21	0.7133

Table D. 55: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With and Without RSS (Day 1 and 2), Drain 1 and Drain 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	5.93	7.68	1.75	0.0014
Mean positive speed difference (mph)	6.53	9.26	2.73	0.0025
Mean distance between adjacent vehicles (feet)	397.33	437.77	40.44	0.5118

Table D.56: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 3 and Drain 4

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.91	6.15	0.24	0.3960
Passenger Cars	5.91	6.33	0.41	0.1662
Trucks	5.77	6.83	1.06	0.3829

Table D.57: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 3 and Drain 4

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.24	6.93	0.69	0.0994
Passenger Cars	6.25	7.10	0.85	0.0483
Trucks	6.11	8.30	2.19	0.2919

Table D.58: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-84, Vactoring, Drain 3 and Drain 4

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	559.09	400.42	158.67	< 0.0001
Passenger Cars	544.01	402.09	141.92	0.0003
Trucks	786.38	381.67	404.71	0.0147

Table D.59: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 3

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	5.91	5.77	0.14	0.8645
Mean positive speed difference (mph)	6.25	6.11	0.14	0.9022
Mean distance between adjacent vehicles (feet)	544.01	786.38	242.37	0.0921

Table D.60: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.33	6.83	0.51	0.4665
Mean positive speed difference (mph)	7.10	8.30	1.19	0.2596
Mean distance between adjacent vehicles (feet)	402.09	381.67	20.42	0.7895

Table D.61: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With and Without RSS (Day 1 and 2), Drain 3 and Drain 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	6.18	6.50	0.32	0.5540
Mean positive speed difference (mph)	6.78	7.58	0.80	0.3198
Mean distance between adjacent vehicles (feet)	450.77	509.47	58.70	0.4041

Table D.62: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 5 and Drain 6

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	5.72	5.01	0.72	0.0038
Passenger Cars	5.57	5.27	0.30	0.2654
Trucks	8.07	5.67	2.40	0.0600

Table D.63: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 5 and Drain 6

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.18	5.43	0.76	0.0440
Passenger Cars	5.96	5.80	0.17	0.6753
Trucks	10.51	5.12	5.39	0.0265

Table D. 64: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-84, Vactoring, Drain 5 and Drain 6

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	596.54	399.48	197.06	0.0000
Passenger Cars	584.00	398.59	185.41	0.0001
Trucks	793.85	416.71	377.13	0.0458

Table D.65: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 5

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	5.57	8.07	2.50	0.0035
Mean positive speed difference (mph)	5.96	10.51	4.54	0.0015
Mean distance between adjacent vehicles (feet)	584.00	793.85	209.85	0.2520

Table D.66: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 6

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	5.27	5.67	0.40	0.5954
Mean positive speed difference (mph)	5.80	5.12	0.68	0.5562
Mean distance between adjacent vehicles (feet)	398.59	416.71	18.13	0.8683

Table D.67: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With and Without RSS (Day 1 and 2), Drain 5 and Drain 6

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	5.38	6.66	1.29	0.0227
Mean positive speed difference (mph)	5.86	7.16	1.30	0.1506
Mean distance between adjacent vehicles (feet)	454.92	554.39	99.46	0.2785

Table D.68: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 7 and Drain 8

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS (Day1)	Mean of absolute value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.90	7.43	0.53	0.1218
Passenger Cars	6.93	7.59	0.66	0.0627
Trucks	6.45	7.07	0.62	0.6735

Table D.69: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, I-84, Vactoring, Drain 7 and Drain 8

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	6.94	7.99	1.05	0.0260
Passenger Cars	6.98	8.14	1.16	0.0185
Trucks	6.15	8.86	2.72	0.1955

Table D.70: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, I-84, Vactoring, Drain 7 and Drain 8

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	527.40	392.81	134.59	< 0.0001
Passenger Cars	510.82	389.70	121.13	< 0.0001
Trucks	812.72	436.88	375.84	0.0289

Table D.71: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, Without RSS (Day 1), Drain 7

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.93	6.45	0.48	0.6472
Mean positive speed difference (mph)	6.98	6.15	0.84	0.5408
Mean distance between adjacent vehicles (feet)	510.82	812.72	301.90	0.0093

Table D.72: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With RSS (Day 2), Drain 8

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	7.59	7.07	0.52	0.5724
Mean positive speed difference (mph)	8.14	8.86	0.72	0.6123
Mean distance between adjacent vehicles (feet)	389.70	436.88	47.19	0.3692

Table D.73: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, I-84, Vactoring, With and Without RSS (Day 1 and 2), Drain 7 and Drain 8

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	7.35	6.87	0.49	0.4880
Mean positive speed difference (mph)	7.70	7.79	0.09	0.9329
Mean distance between adjacent vehicles (feet)	434.95	562.16	127.22	0.0178

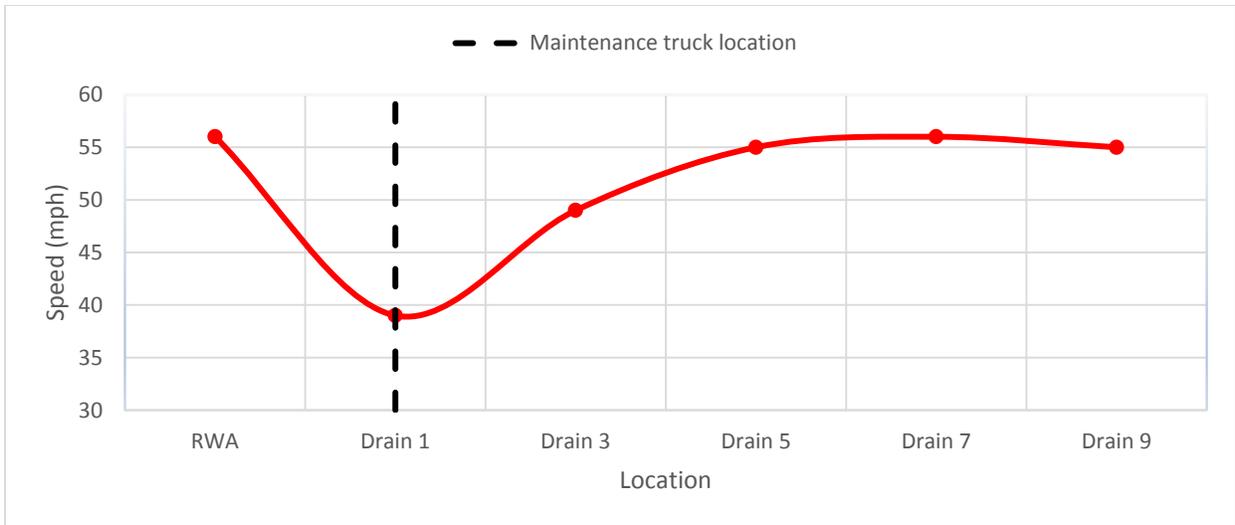


Figure D. 62: Probe Vehicle, I-84, Vactoring, Without RSS (Day 1), Trip 1

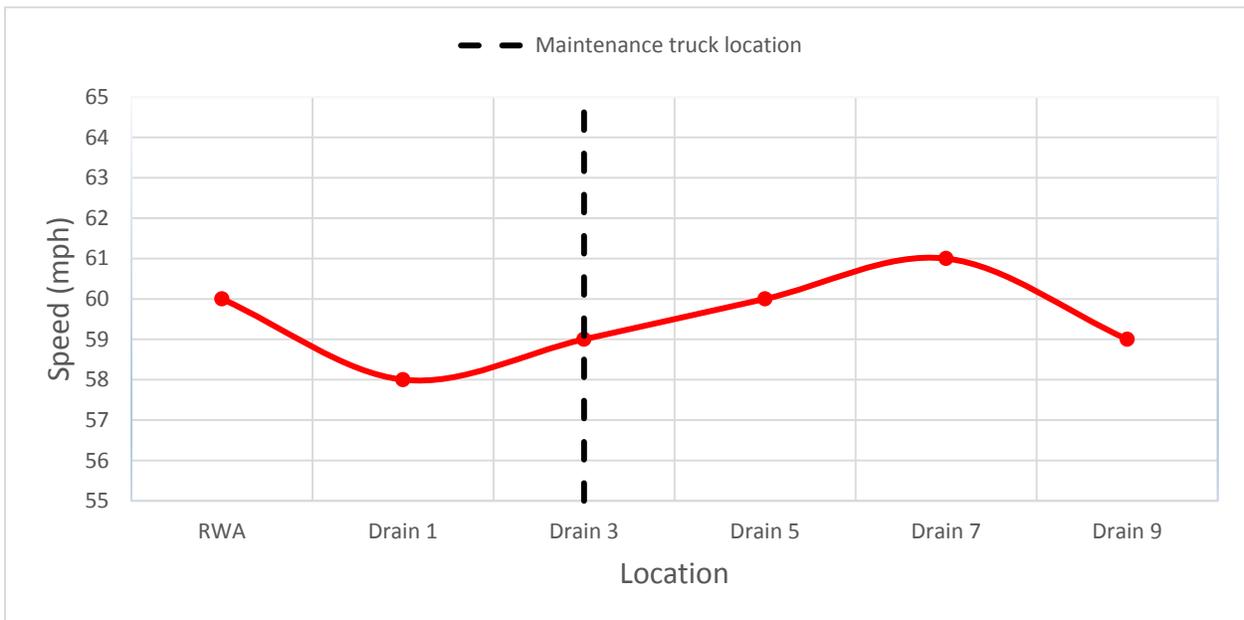


Figure D.63: Probe Vehicle, I-84, Vactoring, Without RSS (Day 1), Trip 2

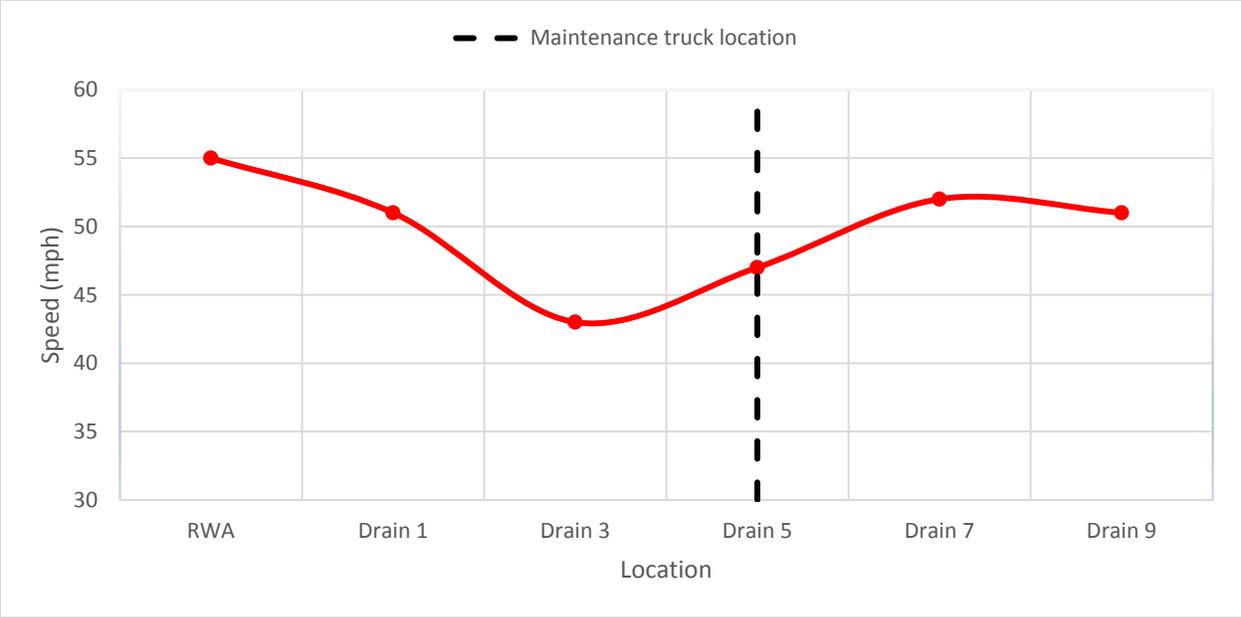


Figure D.64: Probe Vehicle, I-84, Vactoring, Without RSS (Day 1), Trip 3

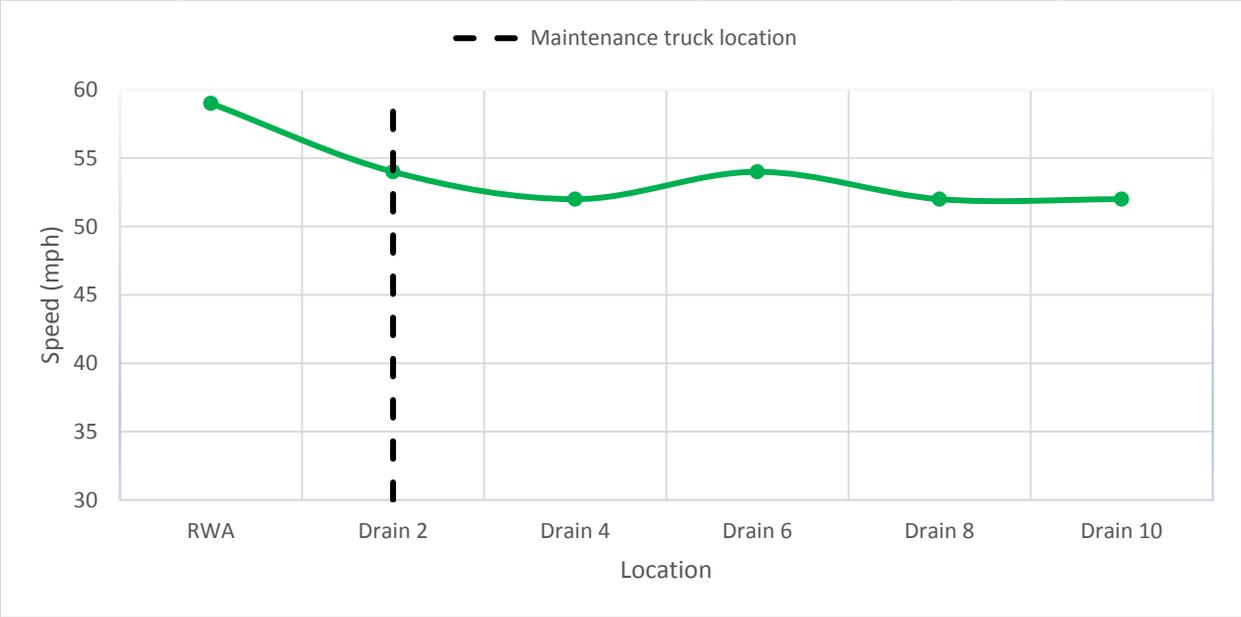


Figure D.65: Probe Vehicle, I-84, Vactoring, With RSS (Day 2), Trip 1

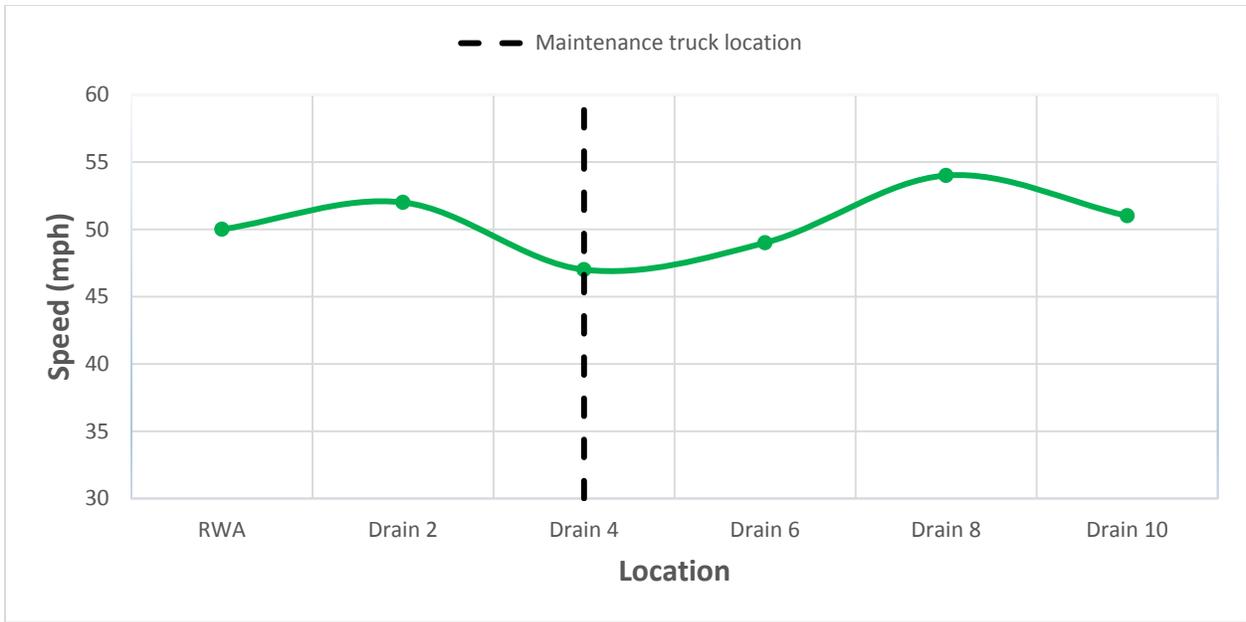


Figure D.66: Probe Vehicle, I-84, Vactoring, With RSS (Day 2), Trip 2

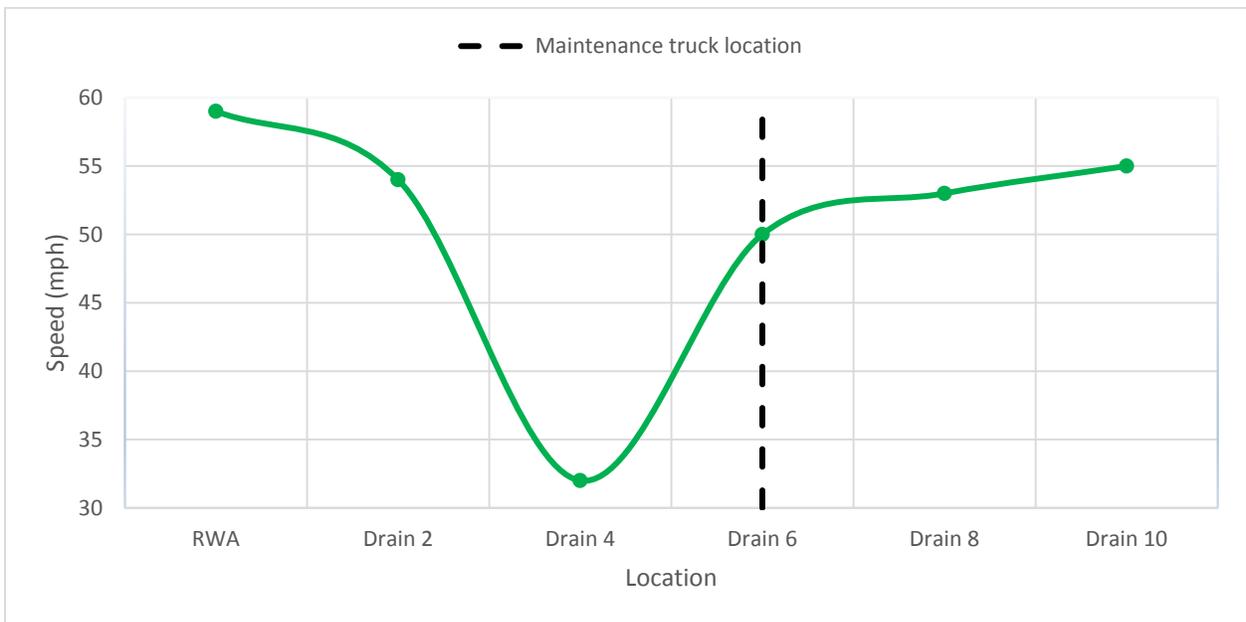


Figure D.67: Probe Vehicle, I-84, Vactoring, With RSS (Day 2), Trip 3

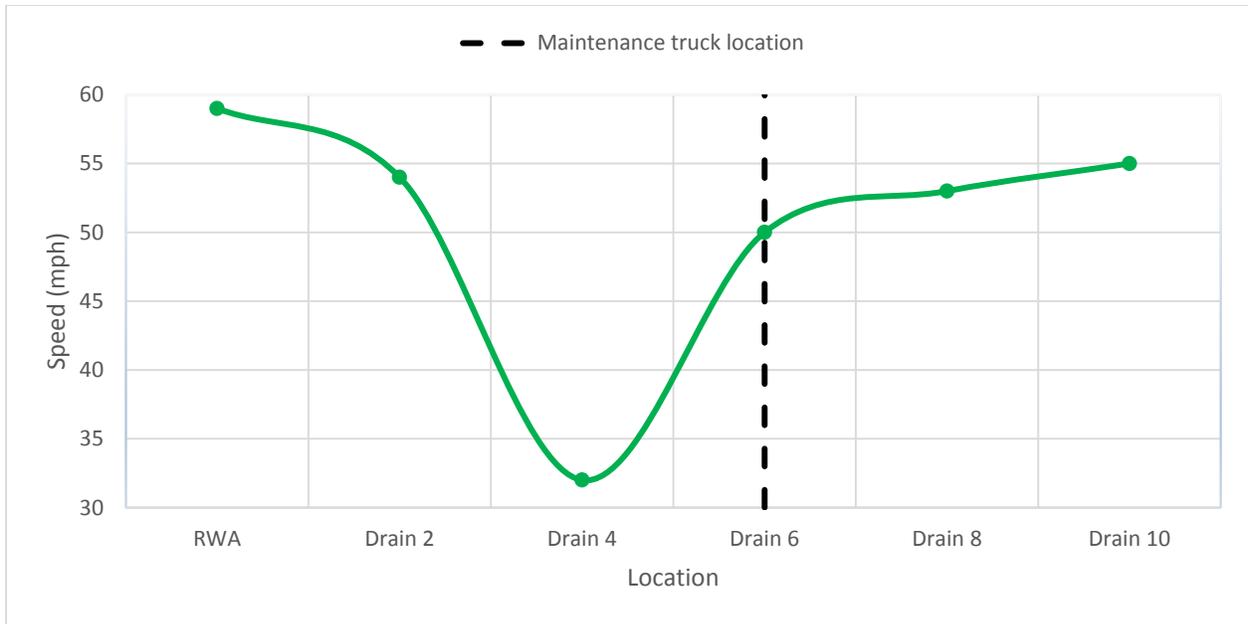


Figure D.68: Probe Vehicle, I-84, Vactoring, With RSS (Day 2), Trip 3

APPENDIX E

CASE STUDY #4: US-97, SPRAYING

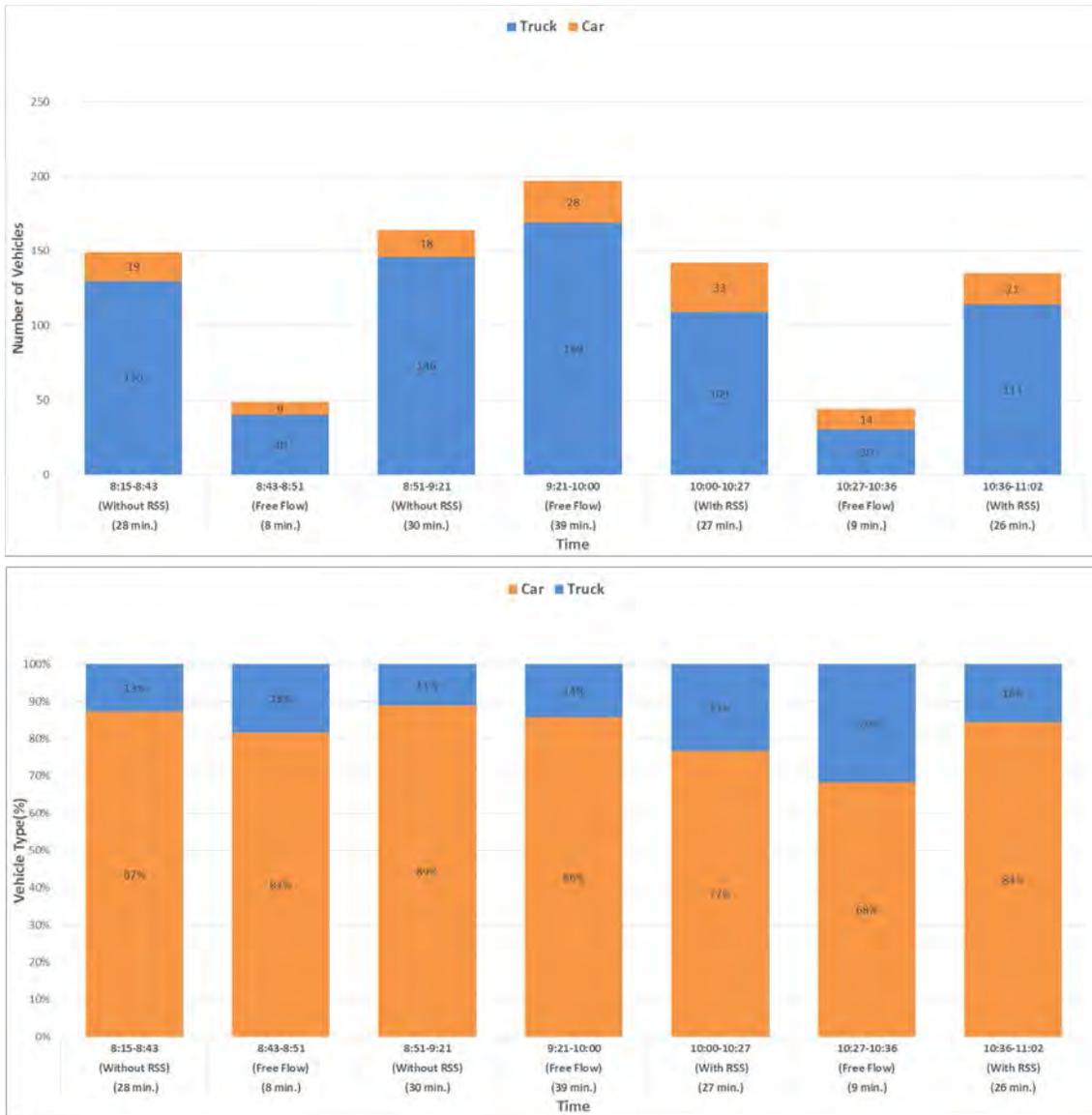


Figure E.1: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, US-97, Spraying, Location 1

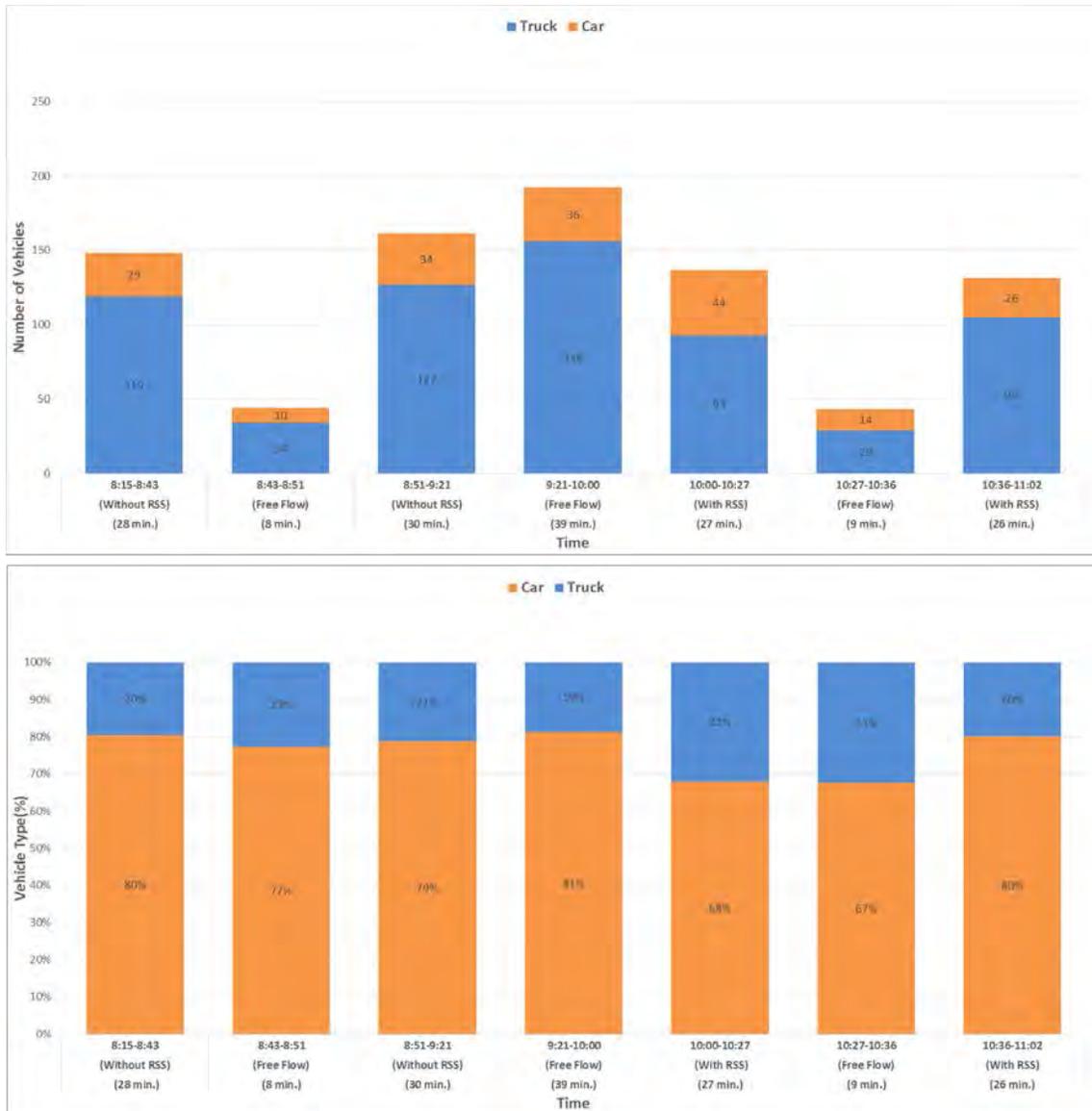


Figure E.2: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, US-97, Spraying, Location 2

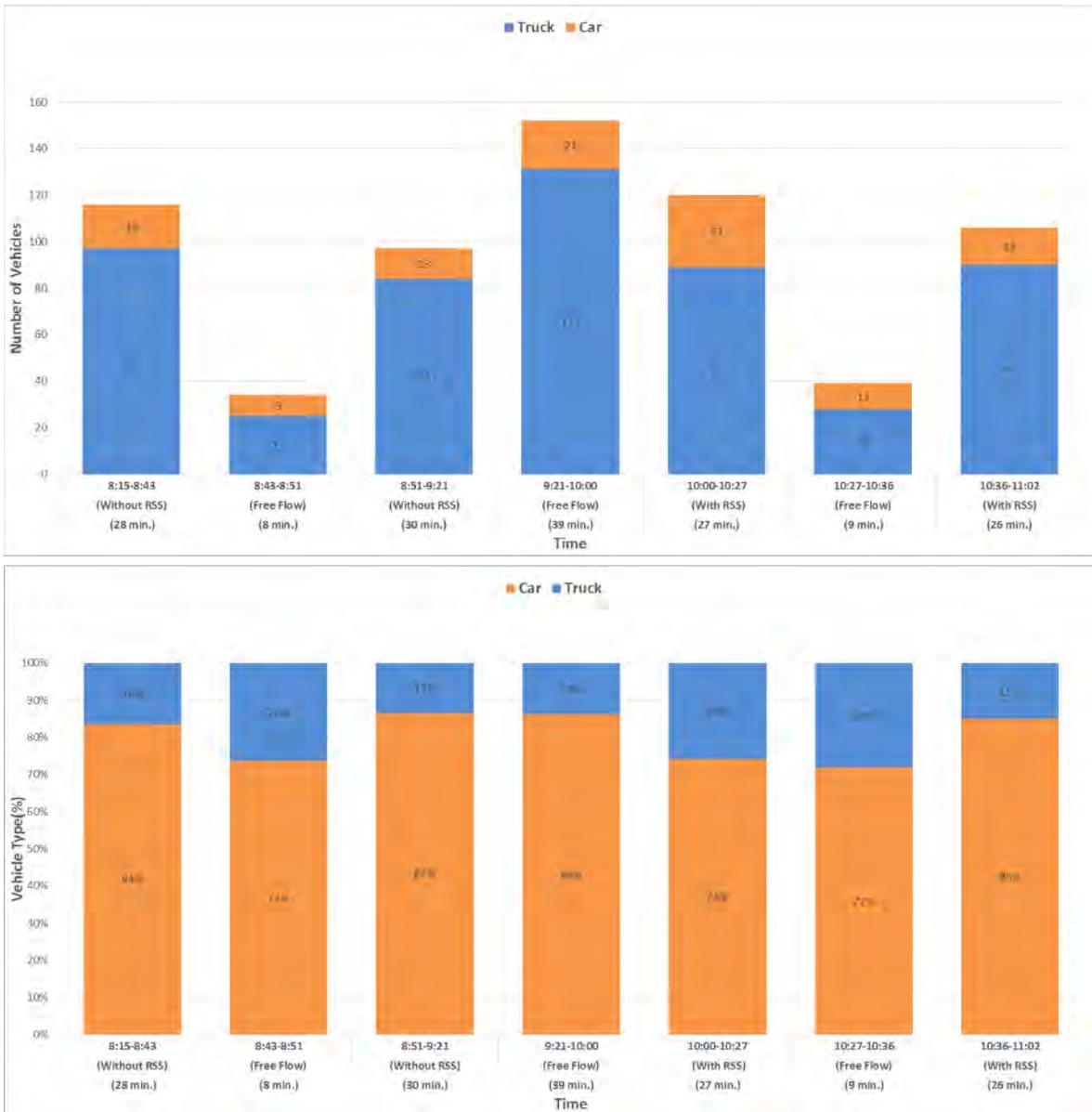


Figure E.3: Traffic Volume, Number of Vehicles and Vehicle Type Percentage, US-97, Spraying, Location 3

Table E.1: Hourly Summary of Vehicle Speed for All Vehicles, US-97, Spraying, RWA

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.3%	0.4%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	2.3%	0.0%
25-29	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.3%	0.4%	0.0%	0.7%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
35-39	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%
40-44	0.3%	3.6%	0.4%	0.7%	0.0%	0.0%	5.2%	0.7%	0.0%	0.0%
45-49	7.3%	7.8%	6.9%	11.2%	0.0%	3.6%	9.9%	7.2%	7.0%	6.5%
50-54	26.2%	26.7%	23.1%	25.7%	26.1%	26.7%	25.5%	28.3%	32.6%	18.0%
55-59	29.7%	33.5%	37.2%	30.3%	34.8%	29.1%	31.8%	37.7%	39.5%	36.7%
60-64	20.2%	16.0%	19.5%	19.1%	19.6%	21.2%	16.7%	13.8%	9.3%	25.2%
65-69	10.4%	6.8%	7.6%	8.6%	10.9%	12.1%	5.7%	7.2%	7.0%	7.9%
70-74	3.5%	1.4%	2.9%	2.6%	2.2%	4.2%	1.6%	3.6%	0.0%	2.2%
>=75	1.9%	2.8%	2.2%	1.3%	6.5%	2.4%	2.1%	0.7%	2.3%	3.6%
Total # of vehicles	317	281	277	152	46	165	192	138	43	139
Average speed	58.4	56.8	58.5	57.3	59.7	59.4	56.1	57.4	56.4	59.6
St. Dev.	7.4	7.8	7.1	6.9	6.7	7.7	7.8	6.5	8.4	7.5
85th percentile	65.3	63.6	64.2	63.2	65.4	66.0	63.2	63.9	62.1	64.3
Min	24.0	25.0	29.3	34.6	50.5	24.0	32.5	29.3	25.0	47.3
Max	91.8	91.7	94.9	81.1	78.2	91.8	91.7	75.8	87.5	94.9
Range	67.8	66.7	65.6	46.5	27.8	67.8	59.2	46.5	62.5	47.6

Table E.2: Hourly Summary of Vehicle Speed for Passenger Cars, US-97, Spraying, RWA

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.4%	0.4%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	3.0%	0.0%
25-29	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%
40-44	0.4%	3.1%	0.5%	0.8%	0.0%	0.0%	4.4%	1.0%	0.0%	0.0%
45-49	5.9%	7.0%	3.7%	9.4%	0.0%	2.8%	8.2%	2.9%	9.1%	4.4%
50-54	22.4%	25.3%	19.1%	20.5%	24.3%	24.1%	25.2%	23.5%	27.3%	15.0%
55-59	30.1%	32.8%	37.7%	32.3%	29.7%	28.3%	32.7%	38.2%	36.4%	37.2%
60-64	22.8%	18.8%	23.7%	22.8%	21.6%	22.8%	19.5%	17.6%	12.1%	29.2%
65-69	11.8%	7.9%	9.8%	9.4%	13.5%	13.8%	6.3%	9.8%	9.1%	9.7%
70-74	4.0%	1.7%	3.3%	3.1%	2.7%	4.8%	1.9%	4.9%	0.0%	1.8%
>=75	2.2%	2.6%	1.9%	1.6%	8.1%	2.8%	1.3%	1.0%	3.0%	2.7%
Total # of vehicles	272	229	215	127	37	145	159	102	33	113
Average speed	59.2	57.3	59.3	58.3	60.6	60.0	56.6	58.6	56.8	60.0
St. Dev.	7.4	7.5	6.7	6.7	7.1	7.9	7.0	6.8	9.5	6.5
85th percentile	65.7	64.2	64.7	64.3	66.7	66.3	63.6	65.1	64.2	64.7
Min	24.0	25.0	29.3	44.1	50.5	24.0	36.5	29.3	25.0	48.0
Max	91.8	87.5	88.7	81.1	78.2	91.8	82.2	75.8	87.5	88.7
Range	67.8	62.5	59.3	37.0	27.8	67.8	45.7	46.5	62.5	40.7

Table E.3: Hourly Summary of Vehicle Speed for Trucks, US-97, Spraying, RWA

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	2.2%	1.9%	0.0%	4.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%
35-39	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%
40-44	0.0%	5.8%	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%
45-49	15.6%	11.5%	17.7%	20.0%	0.0%	10.0%	18.2%	19.4%	0.0%	15.4%
50-54	48.9%	32.7%	37.1%	52.0%	33.3%	45.0%	27.3%	41.7%	50.0%	30.8%
55-59	26.7%	36.5%	35.5%	20.0%	55.6%	35.0%	27.3%	36.1%	50.0%	34.6%
60-64	4.4%	3.8%	4.8%	0.0%	11.1%	10.0%	3.0%	2.8%	0.0%	7.7%
65-69	2.2%	1.9%	0.0%	4.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%
70-74	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%
>=75	0.0%	3.8%	3.2%	0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	7.7%
Total # of vehicles	45	52	62	25	9	20	33	36	10	26
Average speed	53.5	54.5	55.7	52.5	56.1	54.7	53.8	54.0	55.2	57.9
St. Dev.	5.1	8.7	7.8	5.7	3.2	4.2	10.8	3.8	2.7	10.8
85th percentile	60.0	58.4	59.8	57.4	58.7	60.0	58.5	57.9	58.2	63.2
Min	34.6	32.5	46.2	34.6	51.5	47.3	32.5	46.2	50.5	47.3
Max	65.3	91.7	94.9	65.3	62.1	62.1	91.7	62.1	58.4	94.9
Range	30.7	59.2	48.6	30.7	10.6	14.8	59.2	15.9	7.9	47.6

Table E.4: Hourly Summary of Vehicle Speed for All Vehicles, US-97, Spraying, Location 1

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.3%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
35-39	1.0%	1.0%	0.0%	0.7%	0.0%	1.2%	1.5%	0.0%	0.0%	0.0%
40-44	6.1%	7.9%	6.5%	6.0%	8.2%	6.1%	8.1%	6.3%	6.8%	6.7%
45-49	24.0%	23.8%	25.3%	21.5%	28.6%	26.2%	20.3%	25.4%	34.1%	25.2%
50-54	31.3%	26.9%	28.5%	29.5%	30.6%	32.9%	27.4%	33.8%	20.5%	23.0%
55-59	17.3%	18.6%	19.9%	16.8%	16.3%	17.7%	18.3%	11.3%	22.7%	28.9%
60-64	9.9%	12.4%	14.1%	13.4%	10.2%	6.7%	13.2%	15.5%	11.4%	12.6%
65-69	5.1%	5.5%	4.3%	6.0%	4.1%	4.3%	6.6%	5.6%	2.3%	3.0%
70-74	2.6%	2.1%	0.7%	3.4%	2.0%	1.8%	2.0%	1.4%	2.3%	0.0%
>=75	2.6%	1.4%	0.7%	2.0%	0.0%	3.0%	2.0%	0.7%	0.0%	0.7%
Total # of vehicles	313	290	277	149	49	164	197	142	44	135
Average speed	54.4	54.0	54.0	54.7	53.2	54.1	54.4	54.0	53.3	53.9
St. Dev.	8.5	8.0	6.8	8.5	6.8	8.5	8.4	7.2	7.0	6.4
85th percentile	62.1	61.5	61.2	63.0	60.1	60.4	62.1	61.4	60.5	60.2
Min	28.5	32.5	40.5	28.5	41.5	37.5	32.5	40.5	41.5	41.5
Max	91.7	88.9	82.4	82.4	71.3	91.7	88.9	82.4	74.1	77.8
Range	63.2	56.5	42.0	54.0	29.9	54.2	56.5	42.0	32.7	36.4

Table E.5: Hourly Summary of Vehicle Speed for Passenger Cars, US-97, Spraying, Location 1

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.4%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%
35-39	1.1%	0.4%	0.0%	0.8%	0.0%	1.4%	0.6%	0.0%	0.0%	0.0%
40-44	5.8%	6.3%	6.3%	5.4%	10.0%	6.2%	5.9%	5.5%	3.3%	7.0%
45-49	20.7%	20.9%	22.9%	18.5%	22.5%	22.6%	19.5%	22.0%	26.7%	23.7%
50-54	32.2%	27.2%	25.6%	30.0%	27.5%	34.2%	28.4%	32.1%	20.0%	19.3%
55-59	18.1%	20.5%	22.4%	17.7%	20.0%	18.5%	18.9%	12.8%	30.0%	31.6%
60-64	10.9%	13.4%	16.1%	14.6%	12.5%	7.5%	13.6%	18.3%	13.3%	14.0%
65-69	5.4%	6.7%	4.9%	6.2%	15.0%	4.8%	7.7%	6.4%	3.3%	3.5%
70-74	2.9%	2.5%	0.9%	3.8%	2.5%	2.1%	2.4%	1.8%	3.3%	0.0%
>=75	2.5%	1.7%	0.9%	2.3%	0.0%	2.7%	2.4%	0.9%	0.0%	0.9%
Total # of vehicles	276	239	223	130	40	146	169	109	30	114
Average speed	54.8	54.9	54.6	55.2	54.0	54.4	55.1	54.9	55.0	54.3
St. Dev.	8.3	8.1	7.0	8.6	7.2	8.1	8.5	7.4	7.0	6.6
85th percentile	62.4	62.6	61.2	63.3	61.2	61.2	63.8	62.4	62.1	61.2
Min	28.5	32.5	40.5	28.5	41.5	37.5	32.5	40.5	43.5	41.5
Max	85.2	88.9	82.4	82.4	71.3	85.2	88.9	82.4	74.1	77.8
Range	56.8	56.5	42.0	54.0	29.9	47.8	56.5	42.0	30.7	36.4

Table E.6: Hourly Summary of Vehicle Speed for Trucks, US-97, Spraying, Location 1

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%
40-44	8.1%	15.7%	7.4%	10.5%	0.0%	5.6%	21.4%	9.1%	14.3%	4.8%
45-49	48.6%	37.3%	35.2%	42.1%	55.6%	55.6%	25.0%	36.4%	50.0%	33.3%
50-54	24.3%	25.5%	40.7%	26.3%	44.4%	22.2%	21.4%	39.4%	21.4%	42.9%
55-59	10.8%	9.8%	9.3%	10.5%	0.0%	11.1%	14.3%	6.1%	7.1%	14.3%
60-64	2.7%	7.8%	5.6%	5.3%	0.0%	0.0%	10.7%	6.1%	7.1%	4.8%
65-69	2.7%	0.0%	1.9%	5.3%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%
70-74	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
>=75	2.7%	0.0%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%
Total # of vehicles	37	51	54	19	9	18	28	33	14	21
Average speed	51.4	49.9	51.3	51.2	49.7	51.7	50.1	51.0	49.7	51.7
St. Dev.	9.0	5.8	5.0	7.0	2.8	10.9	6.6	5.3	5.9	4.5
85th percentile	56.1	57.5	55.5	55.8	51.5	55.1	57.5	54.7	52.8	55.6
Min	40.5	39.5	40.5	40.5	45.5	41.5	39.5	40.5	41.5	41.7
Max	91.7	63.5	67.6	68.6	54.7	91.7	61.5	67.6	63.5	60.2
Range	51.2	24.0	27.2	28.1	9.2	50.2	22.0	27.2	22.0	18.5

Table E.7: Hourly Summary of Vehicle Speed for All Vehicles, US-97, Spraying, Location 2

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%
25-29	0.3%	0.4%	0.7%	0.0%	0.0%	0.6%	0.5%	1.5%	0.0%	0.0%
30-34	0.3%	0.0%	1.1%	0.0%	0.0%	0.6%	0.0%	1.5%	0.0%	0.8%
35-39	1.3%	1.1%	0.0%	2.7%	0.0%	0.0%	1.0%	2.3%	0.0%	0.0%
40-44	1.9%	2.2%	4.1%	2.7%	0.0%	1.2%	3.1%	1.5%	0.0%	6.9%
45-49	9.4%	11.1%	9.0%	6.1%	13.6%	12.4%	9.4%	8.0%	16.3%	9.9%
50-54	23.0%	15.4%	22.8%	20.3%	15.9%	25.5%	16.7%	27.0%	9.3%	18.3%
55-59	28.8%	22.9%	23.1%	29.1%	27.3%	28.6%	22.4%	22.6%	20.9%	23.7%
60-64	20.4%	28.3%	24.3%	25.7%	29.5%	15.5%	28.1%	21.9%	27.9%	26.7%
65-69	7.8%	9.0%	9.0%	6.1%	9.1%	9.3%	9.9%	9.5%	4.7%	8.4%
70-74	4.5%	5.7%	2.6%	4.7%	4.5%	4.3%	4.2%	3.6%	14.0%	1.5%
>=75	2.3%	3.9%	3.0%	2.7%	0.0%	1.9%	4.7%	2.9%	4.7%	3.1%
Total # of vehicles	309	279	268	148	44	161	192	137	43	131
Average speed	57.9	59.2	57.5	58.3	58.4	57.5	59.2	57.6	60.3	57.4
St. Dev.	8.0	8.8	8.6	8.1	6.6	8.0	8.9	8.7	10.5	8.6
85th percentile	65.0	66.9	65.0	65.0	64.0	65.9	66.9	65.9	70.5	64.0
Min	29.5	29.5	24.5	35.6	45.7	29.5	29.5	26.6	37.2	24.5
Max	89.0	91.8	88.0	89.0	73.1	89.0	91.8	76.5	90.9	88.0
Range	59.4	62.3	63.5	53.3	27.3	59.4	62.3	49.9	53.7	63.5

Table E.8: Hourly Summary of Vehicle Speed for Passenger Cars, US-97, Spraying, Location 2

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%
25-29	0.4%	0.5%	1.0%	0.0%	0.0%	0.8%	0.6%	2.2%	0.0%	0.0%
30-34	0.4%	0.0%	1.5%	0.0%	0.0%	0.8%	0.0%	2.2%	0.0%	1.0%
35-39	1.6%	1.4%	0.0%	3.4%	0.0%	0.0%	1.3%	0.0%	3.4%	0.0%
40-44	2.0%	2.3%	5.6%	3.4%	0.0%	0.8%	3.2%	2.2%	0.0%	8.6%
45-49	9.8%	11.9%	10.1%	4.2%	17.6%	15.0%	9.6%	9.7%	17.2%	10.5%
50-54	25.2%	15.5%	24.2%	22.7%	20.6%	27.6%	16.0%	29.0%	6.9%	20.0%
55-59	26.4%	23.3%	21.7%	26.9%	26.5%	26.0%	23.1%	20.4%	20.7%	22.9%
60-64	19.9%	26.0%	21.2%	24.4%	20.6%	15.7%	27.6%	18.3%	24.1%	23.8%
65-69	8.5%	10.0%	9.1%	7.6%	8.8%	9.4%	10.9%	9.7%	6.9%	8.6%
70-74	4.1%	5.9%	2.0%	5.0%	5.9%	3.1%	4.5%	3.2%	13.8%	1.0%
>=75	1.6%	3.2%	3.0%	2.5%	0.0%	0.8%	3.2%	3.2%	6.9%	2.9%
Total # of vehicles	246	219	198	119	34	127	156	93	29	105
Average speed	57.4	58.9	56.6	58.1	57.6	56.8	58.8	56.7	61.0	56.6
St. Dev.	7.8	8.8	9.0	8.1	7.2	7.5	8.5	9.4	11.7	8.6
85th percentile	65.0	66.9	64.5	65.3	64.2	65.0	66.9	65.9	71.4	63.4
Min	29.5	29.5	24.5	35.6	45.7	29.5	29.5	26.6	37.2	24.5
Max	80.2	90.9	77.5	80.2	73.1	77.5	88.0	76.5	90.9	77.5
Range	50.6	61.3	53.0	44.6	27.3	47.9	58.5	49.9	53.7	53.0

Table E.9: Hourly Summary of Vehicle Speed for Trucks, US-97, Spraying, Location 2

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
40-44	1.6%	1.7%	0.0%	0.0%	0.0%	2.9%	2.8%	0.0%	0.0%	0.0%
45-49	7.9%	8.3%	5.7%	13.8%	0.0%	2.9%	3.3%	4.5%	14.3%	7.7%
50-54	14.3%	15.0%	18.6%	10.3%	0.0%	17.6%	19.4%	22.7%	14.3%	11.5%
55-59	38.1%	21.7%	27.1%	37.9%	30.0%	38.2%	19.4%	27.3%	21.4%	26.9%
60-64	22.2%	36.7%	32.9%	31.0%	60.0%	14.7%	30.6%	29.5%	35.7%	38.5%
65-69	4.8%	5.0%	8.6%	0.0%	10.0%	8.8%	5.6%	9.1%	0.0%	7.7%
70-74	6.3%	5.0%	4.3%	3.4%	0.0%	8.8%	2.8%	4.5%	14.3%	3.8%
>=75	4.8%	6.7%	2.9%	3.4%	0.0%	5.9%	11.1%	2.3%	0.0%	3.8%
Total # of vehicles	63	60	70	29	10	34	36	44	14	26
Average speed	59.7	60.3	59.8	59.1	60.9	60.1	60.6	59.4	58.9	60.5
St. Dev.	8.5	8.8	6.9	7.9	3.4	9.1	10.2	6.5	7.6	7.8
85th percentile	67.0	65.9	65.6	62.9	62.7	69.0	65.9	65.5	64.4	65.2
Min	40.7	44.7	45.7	45.7	55.9	40.7	44.7	45.7	47.7	47.8
Max	89.0	91.8	88.0	89.0	67.9	89.0	91.8	76.5	72.7	88.0
Range	48.3	47.1	42.3	43.2	12.0	48.3	47.1	30.7	24.9	40.2

Table E.10: Hourly Summary of Vehicle Speed for All Vehicles, US-97, Spraying, Location 4

Vehicle Speed (all vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%
25-29	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.9%
30-34	0.9%	0.4%	0.4%	0.9%	0.0%	1.0%	0.7%	0.8%	0.0%	0.0%
35-39	3.8%	3.1%	2.7%	4.3%	0.0%	3.1%	3.9%	1.7%	2.6%	3.8%
40-44	6.6%	8.0%	9.3%	6.0%	5.9%	7.2%	6.6%	10.0%	15.4%	8.5%
45-49	17.8%	15.1%	19.9%	18.1%	8.8%	17.5%	15.1%	15.8%	20.5%	24.5%
50-54	20.7%	16.9%	22.1%	19.8%	17.6%	21.6%	16.4%	27.5%	17.9%	16.0%
55-59	18.8%	21.3%	21.7%	23.3%	35.3%	13.4%	19.1%	21.7%	17.9%	21.7%
60-64	11.3%	17.3%	11.9%	8.6%	5.9%	14.4%	21.1%	12.5%	12.8%	11.3%
65-69	8.9%	6.7%	3.5%	10.3%	11.8%	7.2%	6.6%	3.3%	2.6%	3.8%
70-74	6.6%	3.6%	3.1%	6.0%	5.9%	7.2%	2.0%	3.3%	7.7%	2.8%
>=75	4.7%	7.1%	4.4%	2.6%	8.8%	7.2%	7.9%	2.5%	2.6%	6.6%
Total # of vehicles	213	225	226	116	34	97	152	120	39	106
Average speed	56.3	56.7	54.7	55.9	59.2	56.9	56.7	54.3	54.5	55.1
St. Dev.	10.6	10.7	10.0	9.9	10.9	11.3	10.8	9.1	10.0	11.0
85th percentile	67.0	66.7	61.9	66.7	68.0	69.3	66.1	61.9	62.6	62.5
Min	32.1	28.5	22.3	32.1	40.3	34.3	28.5	22.3	35.5	27.1
Max	85.8	88.2	93.0	85.8	88.2	85.8	84.6	85.8	82.2	93.0
Range	53.8	59.8	70.7	53.7	48.0	51.6	56.2	63.5	46.8	66.0

Table E.11: Hourly Summary of Vehicle Speed for Passenger Cars, US-97, Spraying, Location 4

Vehicle Speed (0-25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%
25-29	0.0%	0.5%	0.6%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	1.1%
30-34	1.1%	0.5%	0.6%	1.0%	0.0%	1.2%	0.8%	1.1%	0.0%	0.0%
35-39	3.9%	2.7%	2.8%	5.2%	0.0%	2.4%	3.8%	2.2%	0.0%	3.3%
40-44	7.2%	7.1%	8.9%	6.2%	4.0%	8.3%	5.3%	9.0%	17.9%	8.9%
45-49	14.9%	12.5%	19.0%	13.4%	8.0%	16.7%	13.7%	13.5%	10.7%	24.4%
50-54	21.0%	17.4%	21.8%	21.6%	16.0%	20.2%	16.8%	27.0%	21.4%	16.7%
55-59	19.9%	21.2%	20.7%	25.8%	36.0%	13.1%	19.1%	20.2%	17.9%	21.1%
60-64	11.6%	19.0%	14.0%	8.2%	4.0%	15.5%	22.9%	16.9%	14.3%	11.1%
65-69	9.9%	8.2%	3.9%	11.3%	16.0%	8.3%	7.6%	3.4%	3.6%	4.4%
70-74	6.6%	4.3%	2.8%	6.2%	8.0%	7.1%	2.3%	3.4%	10.7%	2.2%
>=75	3.9%	6.5%	4.5%	1.0%	8.0%	7.1%	6.9%	2.2%	3.6%	6.7%
Total # of vehicles	181	184	179	97	25	84	131	89	28	90
Average speed	56.4	57.4	54.9	55.7	60.8	57.1	57.0	54.6	56.5	55.2
St. Dev.	10.5	10.5	10.4	9.5	11.0	11.5	10.4	9.5	10.2	11.2
85th percentile	67.0	66.7	62.7	66.2	68.8	69.3	66.1	62.4	66.9	63.4
Min	32.1	28.5	22.3	32.1	43.9	34.3	28.5	22.3	41.5	27.1
Max	85.8	88.2	93.0	81.0	88.2	85.8	82.2	85.8	82.2	93.0
Range	53.8	59.8	70.7	49.0	44.4	51.6	53.8	63.5	40.8	66.0

Table E.12: Hourly Summary of Vehicle Speed for Trucks, US-97, Spraying, Location 4

Vehicle Speed (>25 FT Vehicles)	Time									
	Total (without RSS)	Total (Free Flow)	Total (with RSS)	8:15-8:43 (without RSS)	8:43-8:51 (Free Flow)	8:51-9:21 (without RSS)	9:21-10:00 (Free Flow)	10:00-10:27 (with RSS)	10:27-10:36 (Free Flow)	10:36-11:02 (with RSS)
MPH										
< 10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-19	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-29	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
30-34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
35-39	3.1%	4.9%	2.1%	0.0%	0.0%	7.7%	4.8%	0.0%	9.1%	6.3%
40-44	3.1%	12.2%	10.6%	5.3%	11.1%	0.0%	14.3%	12.9%	9.1%	6.3%
45-49	34.4%	26.8%	23.4%	42.1%	11.1%	23.1%	23.8%	22.6%	45.5%	25.0%
50-54	18.8%	14.6%	23.4%	10.5%	22.2%	30.8%	14.3%	29.0%	9.1%	12.5%
55-59	12.5%	22.0%	25.5%	10.5%	33.3%	15.4%	19.0%	25.8%	18.2%	25.0%
60-64	9.4%	9.8%	4.3%	10.5%	11.1%	7.7%	9.5%	0.0%	9.1%	12.5%
65-69	3.1%	0.0%	2.1%	5.3%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%
70-74	6.3%	0.0%	4.3%	5.3%	0.0%	7.7%	0.0%	3.2%	0.0%	6.3%
>=75	9.4%	9.8%	4.3%	10.5%	11.1%	7.7%	14.3%	3.2%	0.0%	6.3%
Total # of vehicles	32	41	47	19	9	13	21	31	11	16
Average speed	56.2	53.6	53.7	56.7	54.8	55.5	55.2	53.3	49.5	54.4
St. Dev.	11.2	11.3	8.5	11.9	9.8	10.6	13.3	7.8	7.6	10.1
85th percentile	70.7	60.7	59.9	70.6	59.7	64.0	64.3	57.6	57.7	61.6
Min	39.1	35.5	35.6	43.9	40.3	39.1	35.5	41.5	35.5	35.6
Max	85.8	84.6	75.9	85.8	75.1	78.6	84.6	75.9	61.9	75.1
Range	46.7	49.2	40.3	41.9	34.8	39.5	49.2	34.5	26.4	39.4

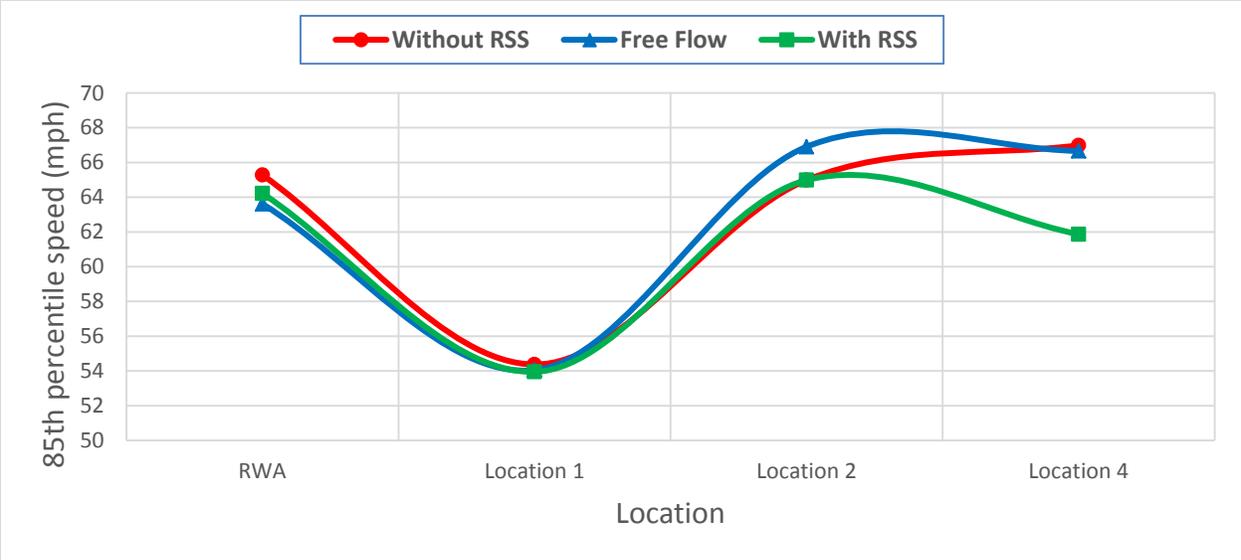


Figure E.4: Vehicle Speed (85th percentile) at Different Locations for All Vehicles during Operation Time, US-97, Spraying

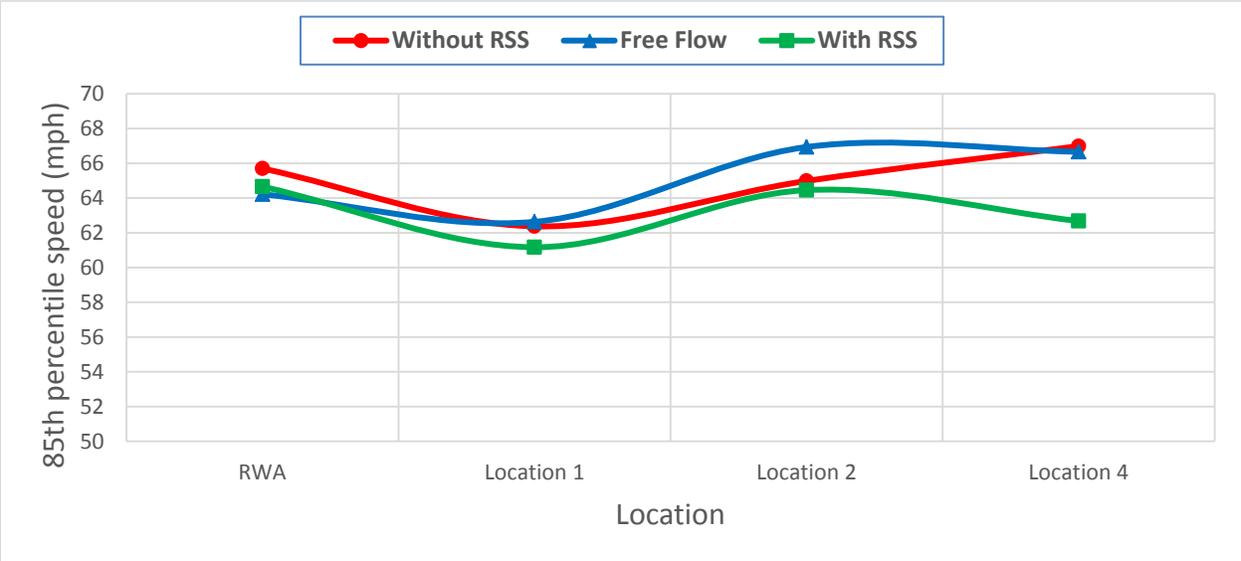


Figure E.5: Vehicle Speed (85th percentile) at Different Locations for Passenger Cars during Operation Time, US-97, Spraying

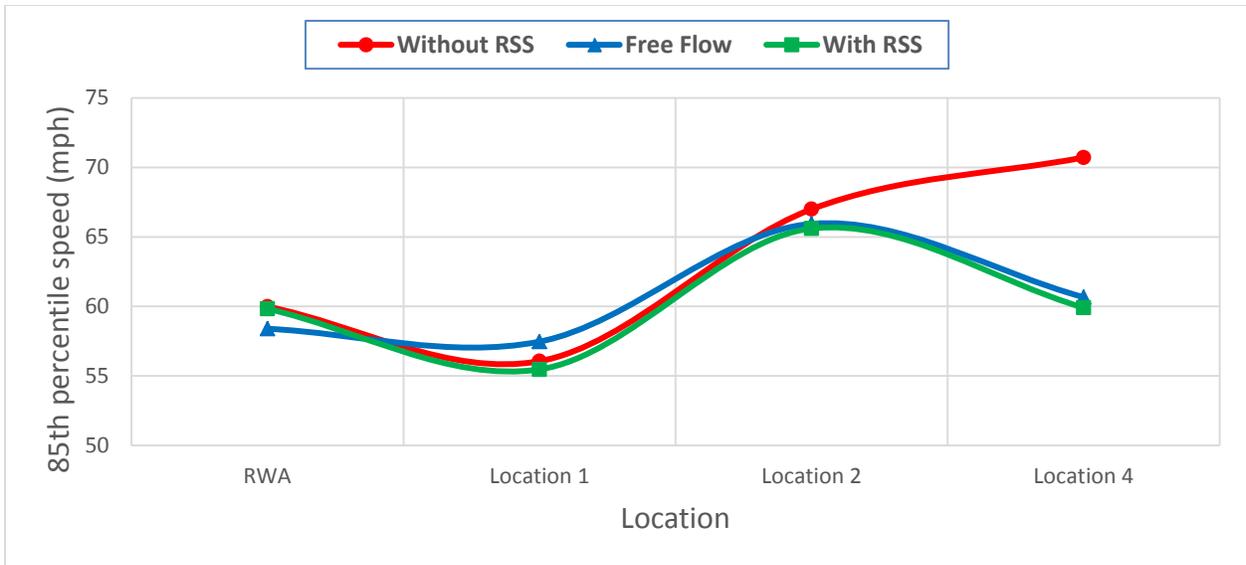


Figure E.6: Vehicle Speed (85th percentile) at Different Locations for Trucks during Operation Time, US-97, Spraying

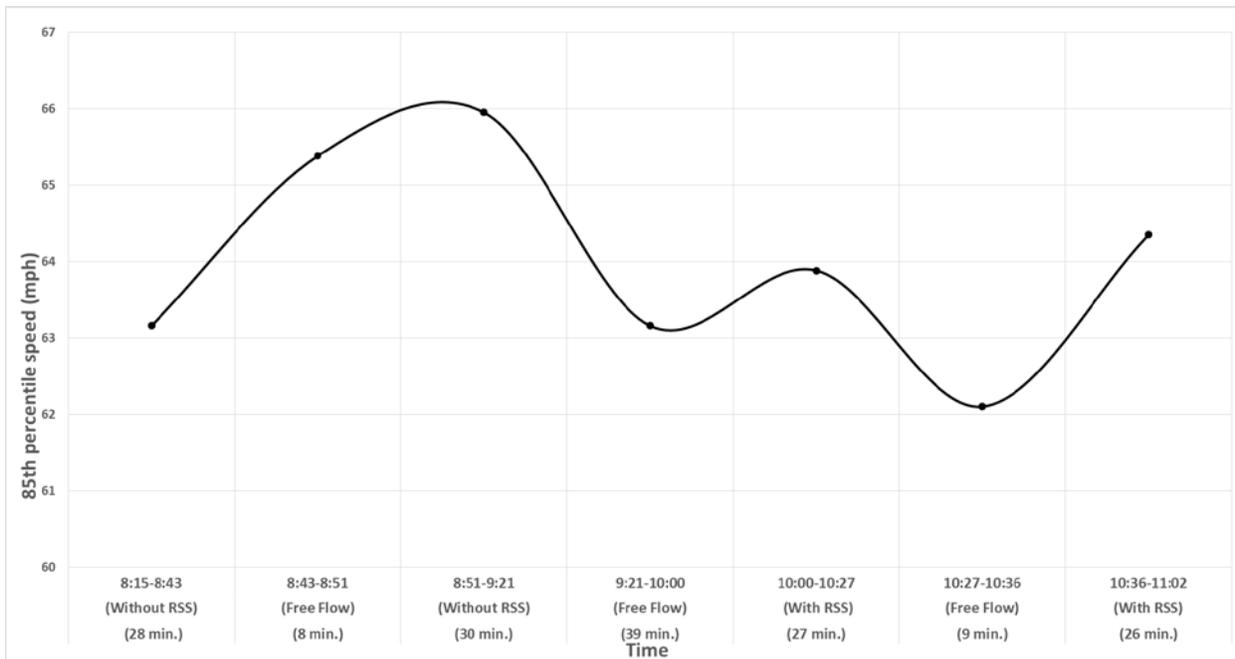


Figure E. 7: Vehicle Speed (85th Percentile) at RWA during Operation Time, US-97, Spraying

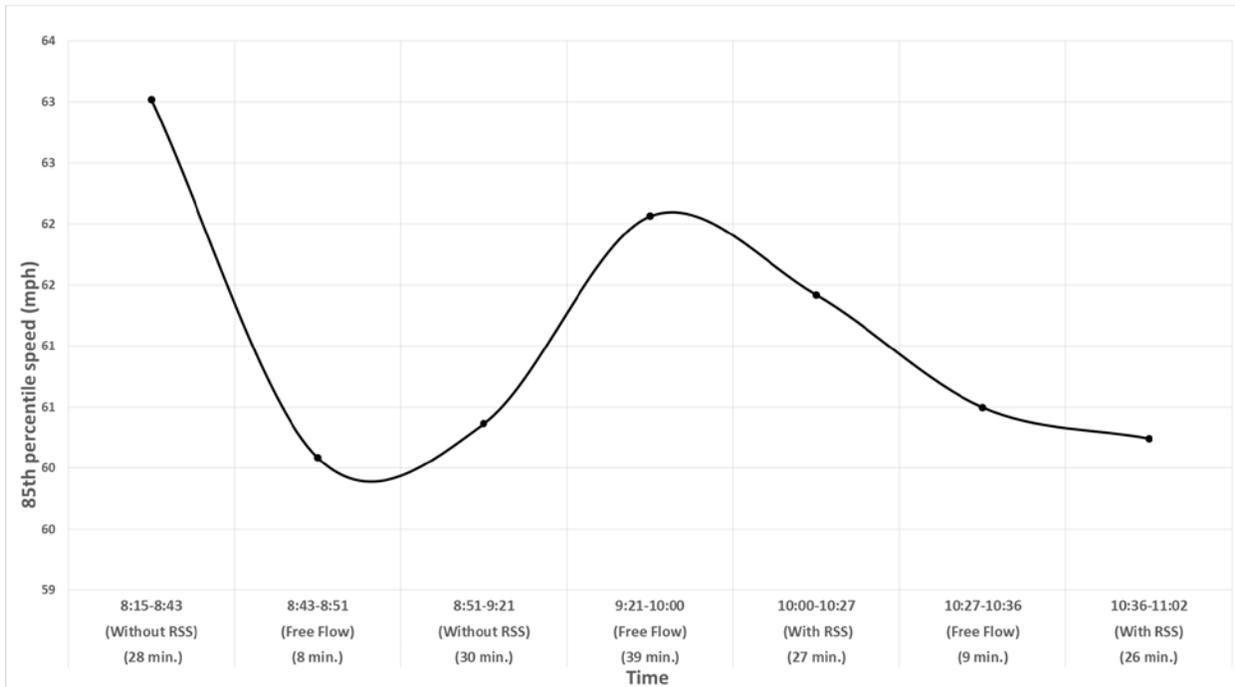


Figure E.8: Vehicle Speed (85th Percentile) at Location 1 during Operation Time, US-97, Spraying

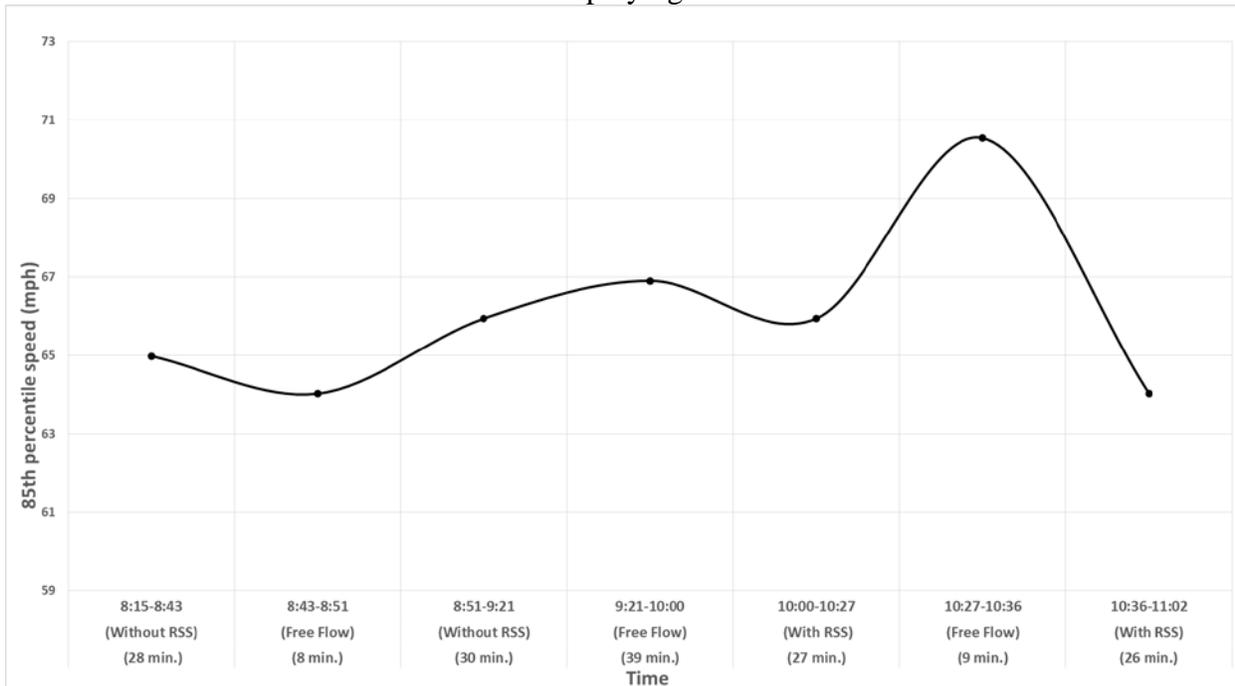


Figure E.9: Vehicle Speed (85th Percentile) at Location 2 during Operation Time, US-97, Spraying

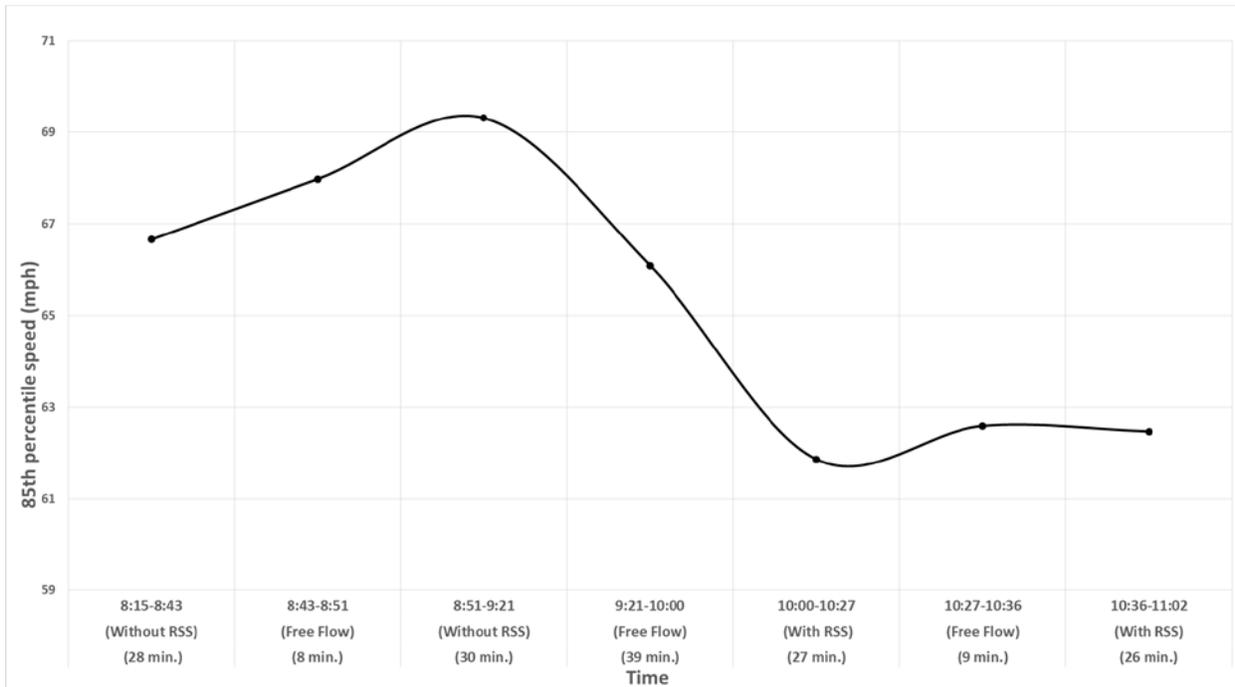


Figure E.10: Vehicle Speed (85th Percentile) at Location 4 during Operation Time, US-97, Spraying

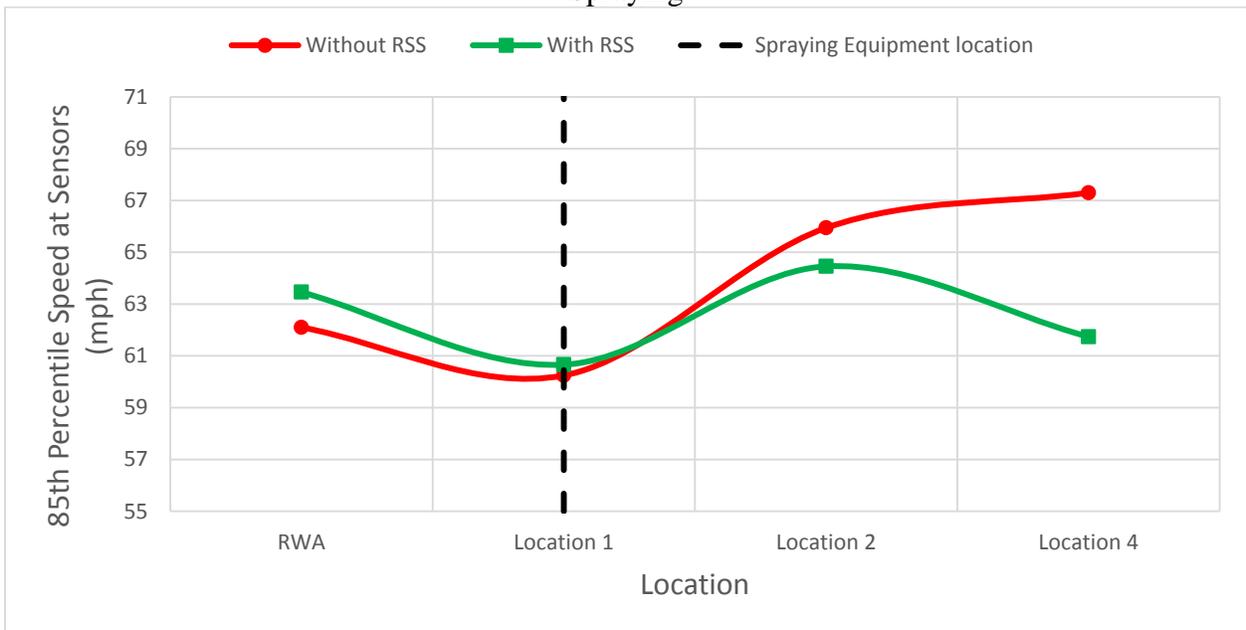


Figure E.11: 85th Percentile Speed at Different Distances from the Operation, US-97, Spraying, Location 1

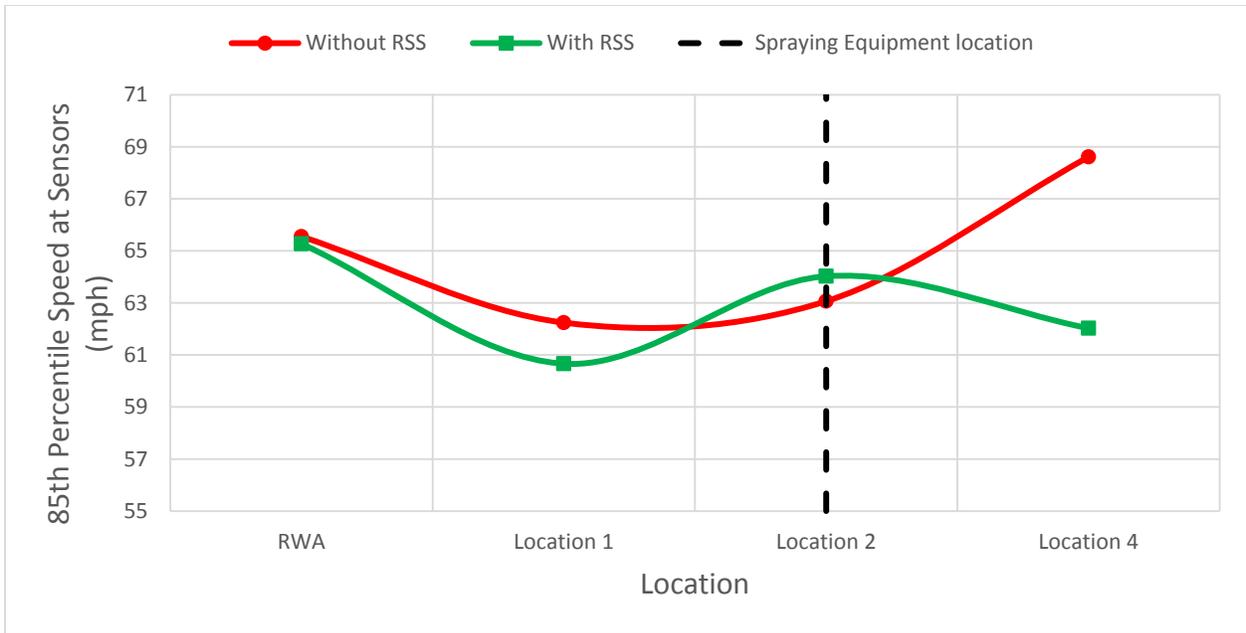


Figure E.12: 85th Percentile Speed at Different Distances from the Operation, US-97, Spraying, Location 2

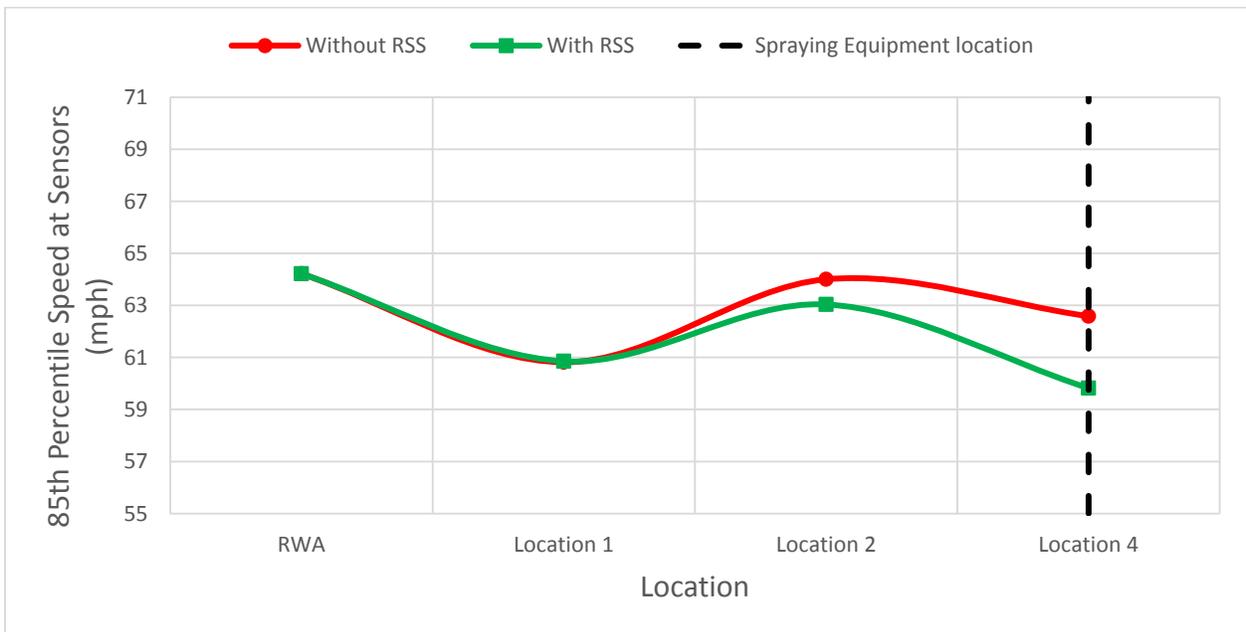


Figure E.13: 85th Percentile Speed at Different Distances from the Operation, US-97, Spraying, Location 4

Table E.13: Percentage of Vehicle Speed Decrease in the Work Zone Area, US-97, Spraying

Type of vehicle	Mean Speed (mph) without RSS at RWA	Mean Speed (mph) without RSS at WZ	Decrease in mean speed (%) without RSS	Mean Speed (mph) with RSS at RWA	Mean Speed (mph) with RSS at WZ	Decrease in mean speed (%) with RSS
All Vehicles	58.39	56.16	3.8%	58.51	55.38	5.4%
Passenger Cars	59.20	56.10	5.2%	59.34	55.37	6.7%
Trucks	53.46	56.52	-5.7%	55.66	55.44	0.4%

Table E.14: Effect of Radar Speed Sign on Vehicle Speed for All Workzone Locations, US-97, Spraying

Type of vehicle	Mean Speed (mph) without RSS	Mean Speed (mph) with RSS	Difference in mean speed (mph)	p-value
All Vehicles	56.16	55.38	0.78	0.0769
Passenger Cars	56.10	55.37	0.73	0.1375
Trucks	56.52	55.44	1.08	0.2912

Table E.15: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, US-97, Spraying, RWA

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	272	65.70	59.20	7.4	45	59.99	53.46	5.1	317	65.27	58.39	7.4
With RSS	215	64.66	59.34	6.7	62	59.83	55.66	7.8	277	64.22	58.51	7.1

Table E.16: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, US-97, Spraying, Location 1

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without RSS	276	62.37	54.77	8.3	37	56.06	51.43	9.0	313	62.09	54.37	8.5
With RSS	223	61.17	54.59	7.0	54	55.47	51.32	5.0	277	61.17	53.95	6.8

Table E.17: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, US-97, Spraying, Location 2

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without	246	64.	57.	7.8	63	67.	59.	8.5	309	64.	57.	8.0
With	198	64.	56.	9.0	70	65.	59.	6.9	268	64.	57.	8.6

Table E.18: Volume, 85th percentile, Mean and Standard Deviation speed for different types of vehicles, US-97, Spraying, Location 4

Test	Passenger Cars				Trucks				All Vehicles			
	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation	Volume	85th % Speed (mph)	Mean (mph)	Standard Deviation
Without	181	66.	56.	10.5	32	70.	56.	11.2	213	66.	56.	10.6
With	179	62.	54.	10.4	47	59.	53.	8.5	226	61.	54.	10.0

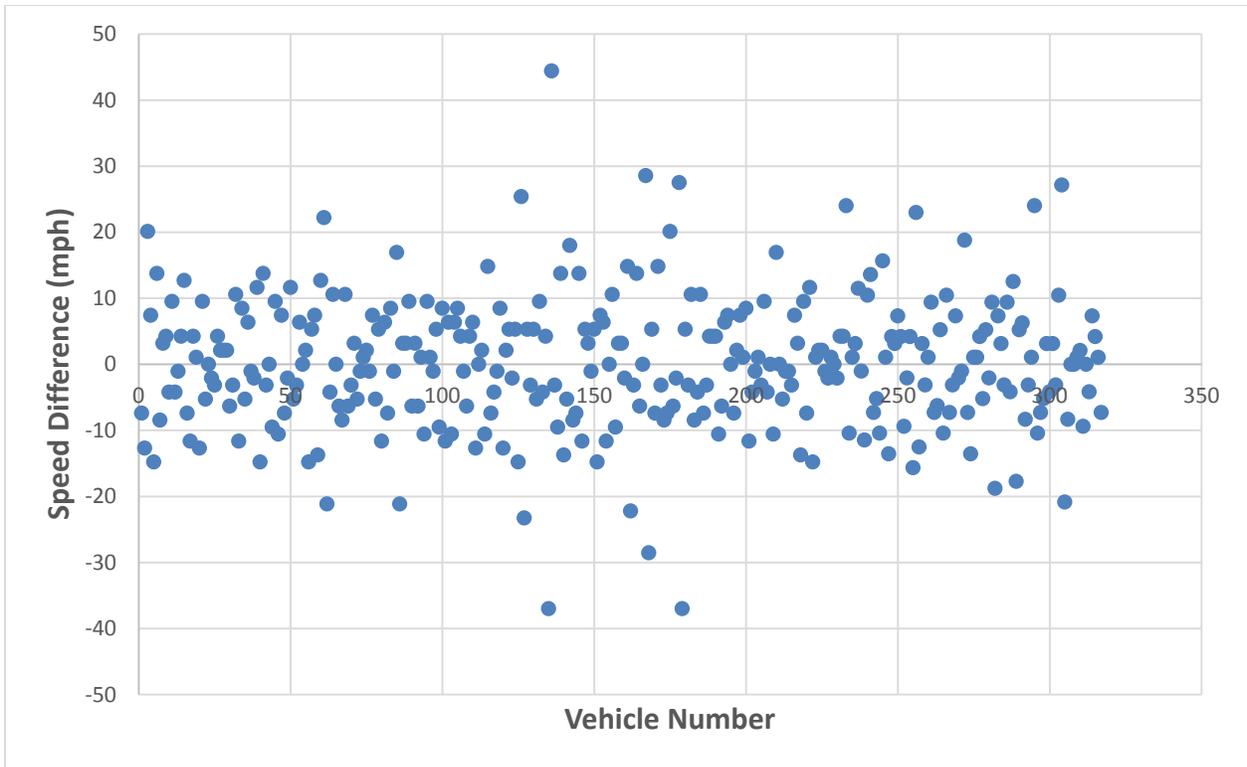


Figure E.14: Speed Difference, US-97, Spraying, Without RSS, RWA

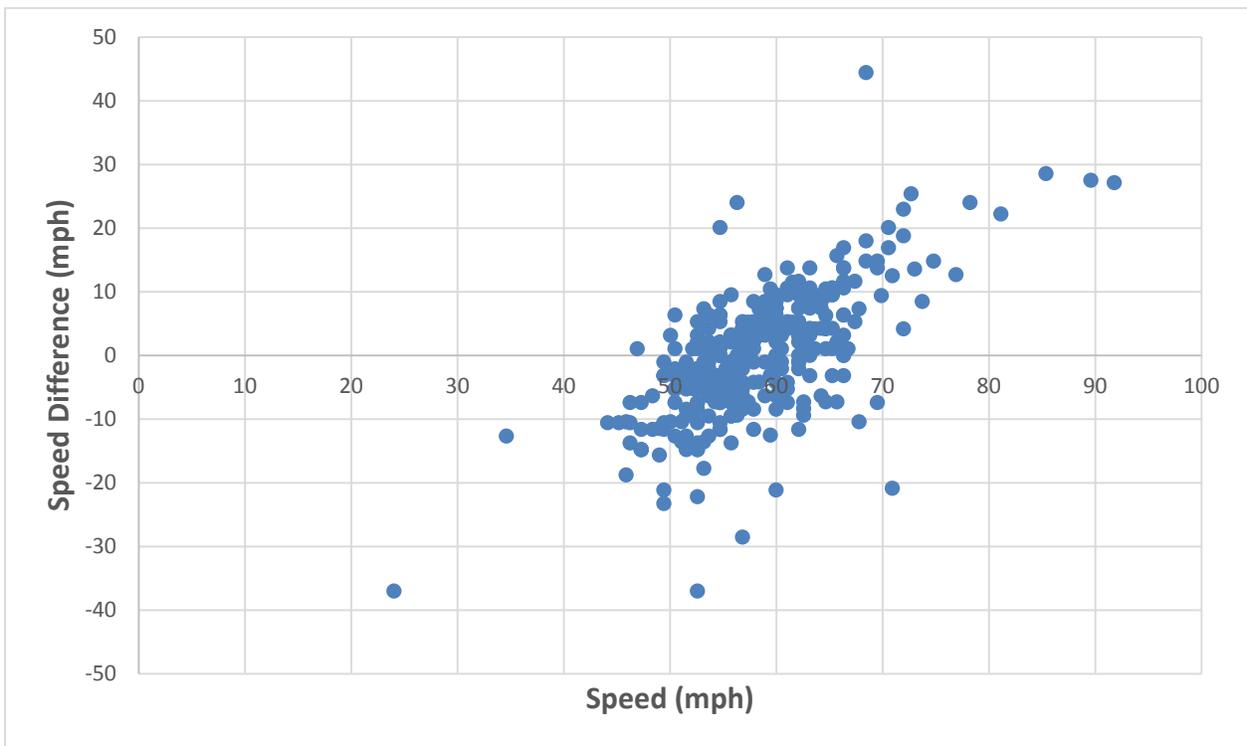


Figure E.15: Speed Difference vs. Vehicle Speed, US-97, Spraying, Without RSS, RWA

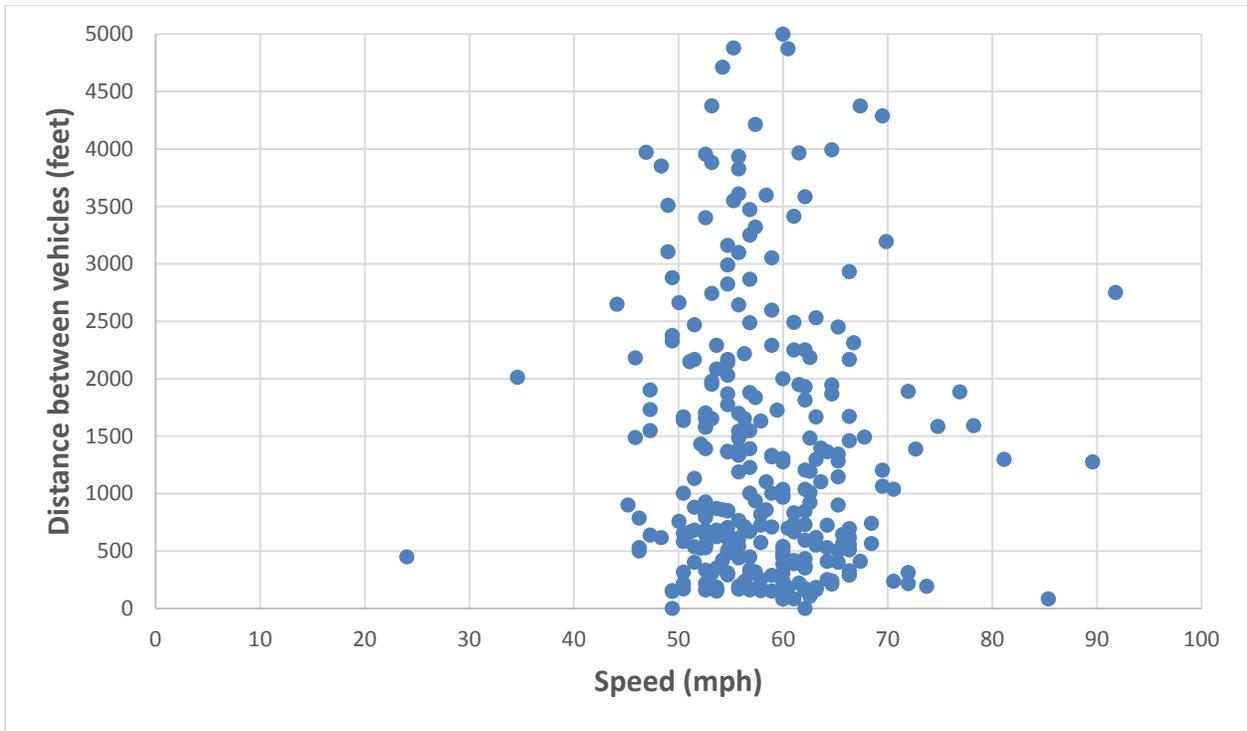


Figure E.16: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, RWA

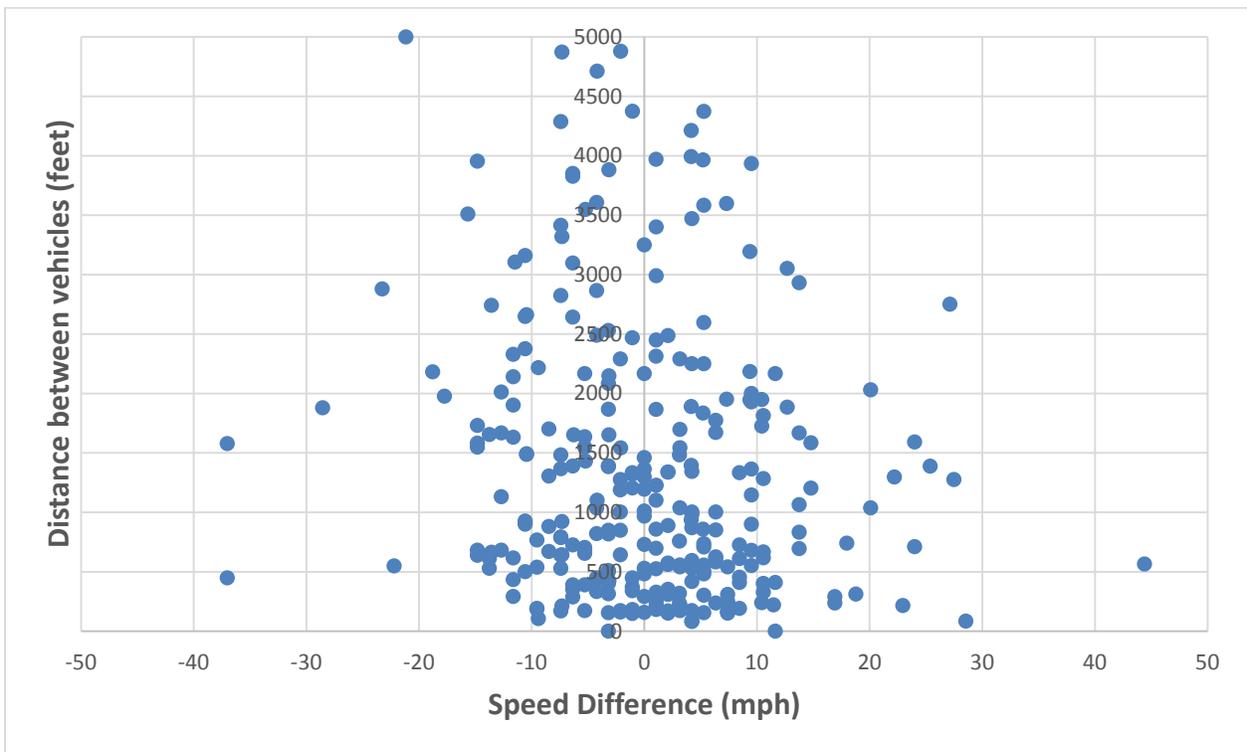


Figure E.17: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, RWA

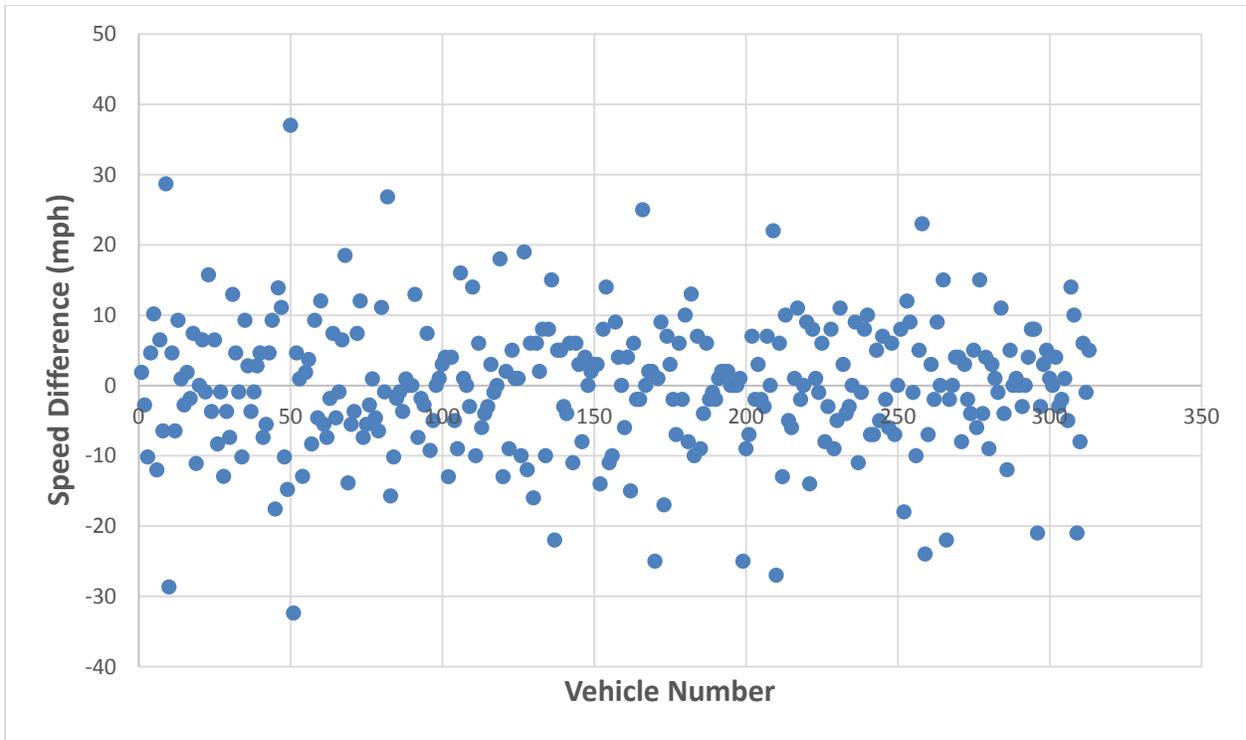


Figure E.18: Speed Difference, US-97, Spraying, Without RSS, Location 1

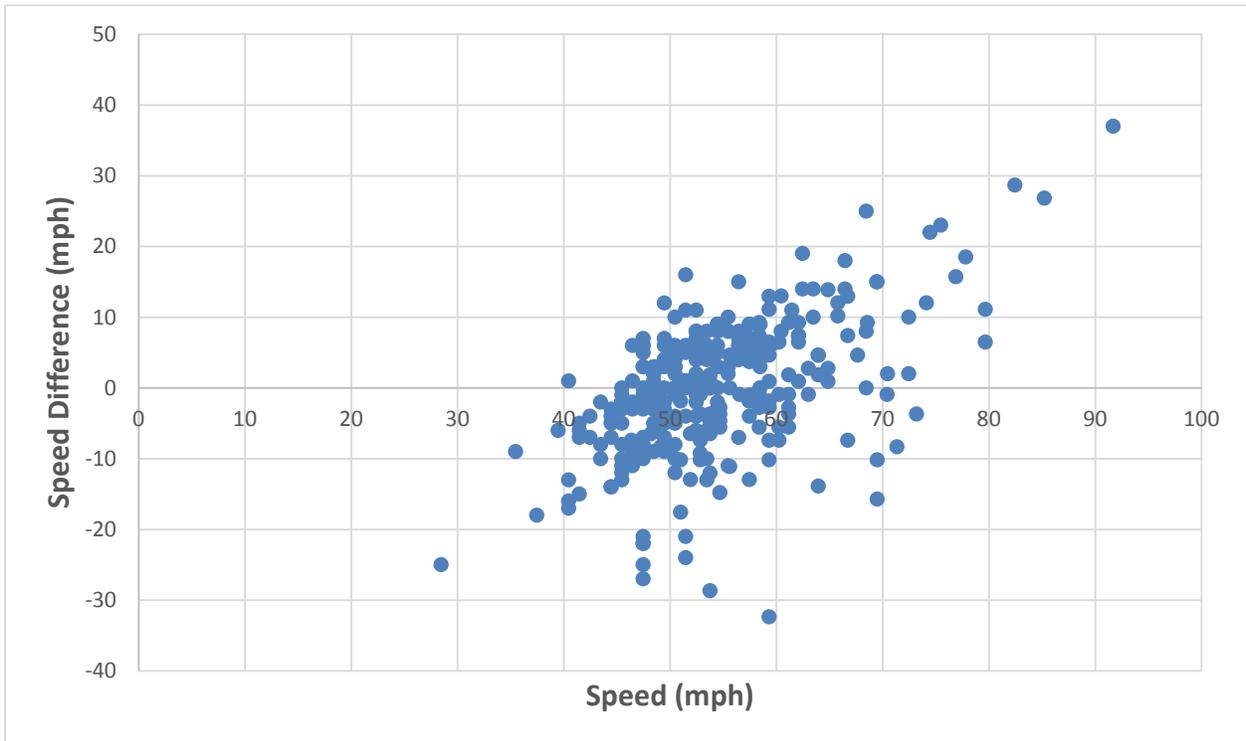


Figure E.19: Speed Difference vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 1

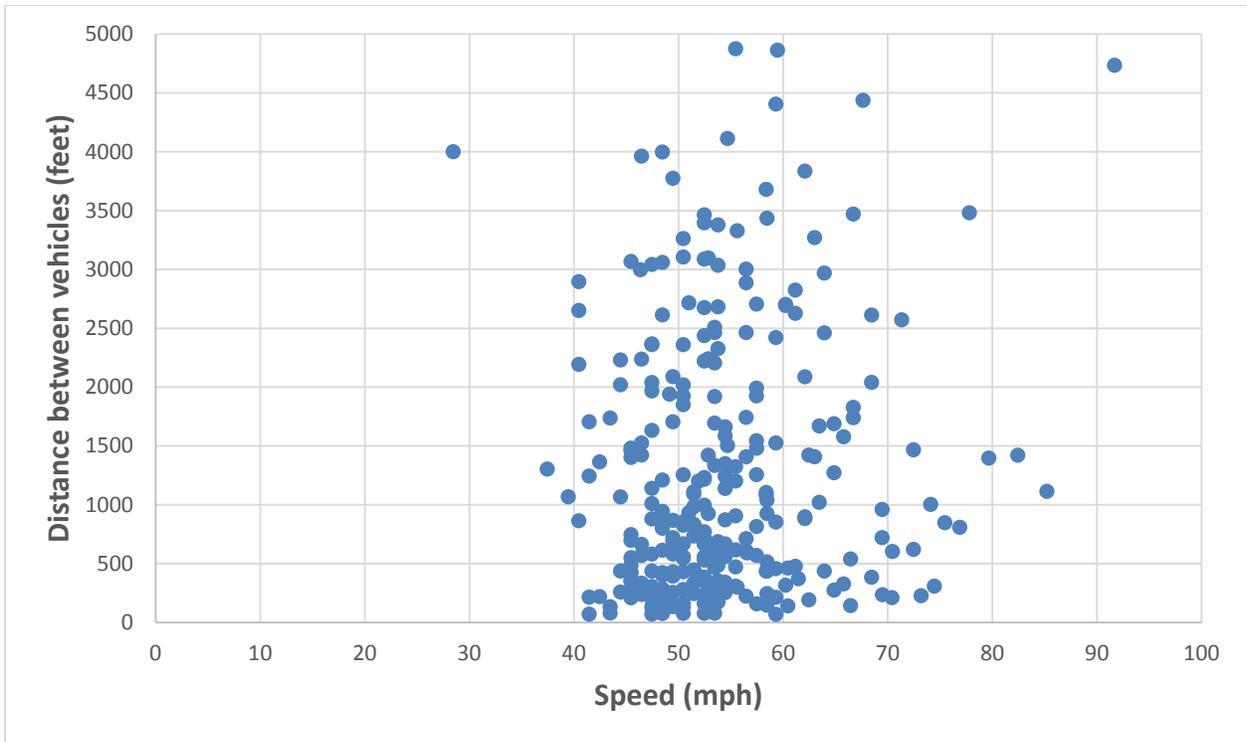


Figure E.20: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 1

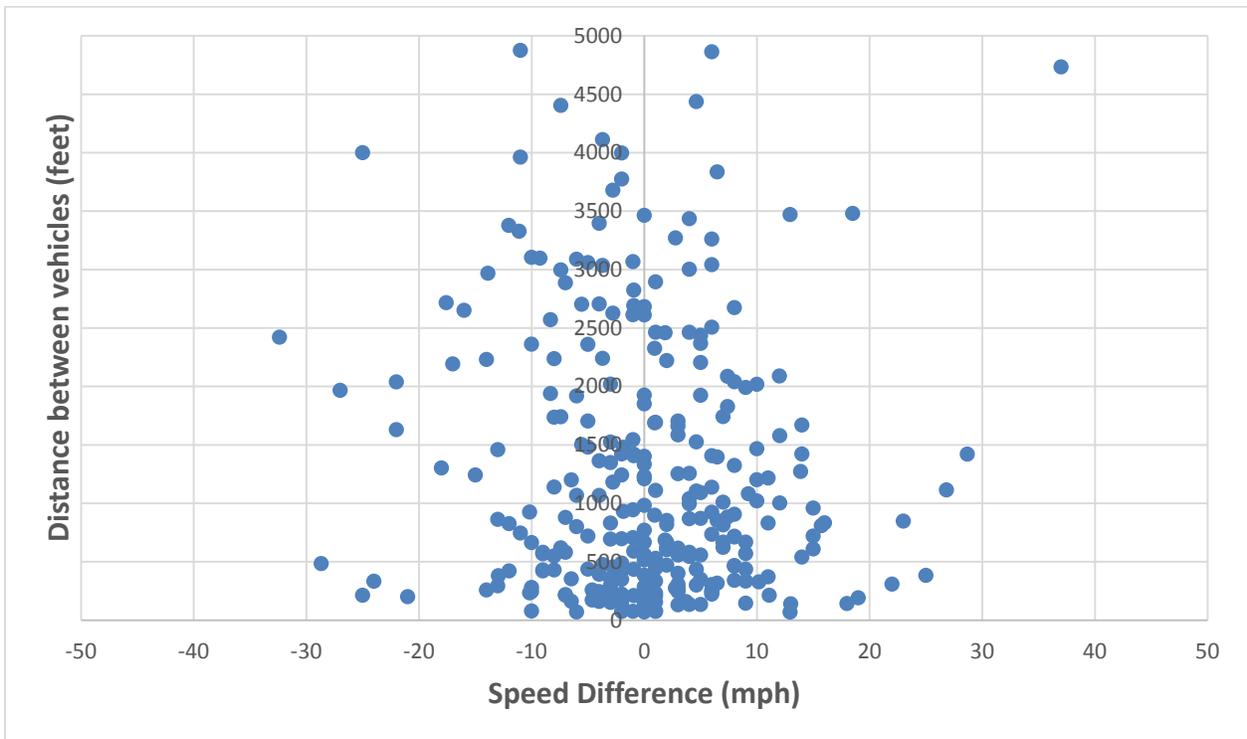


Figure E.21: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 1

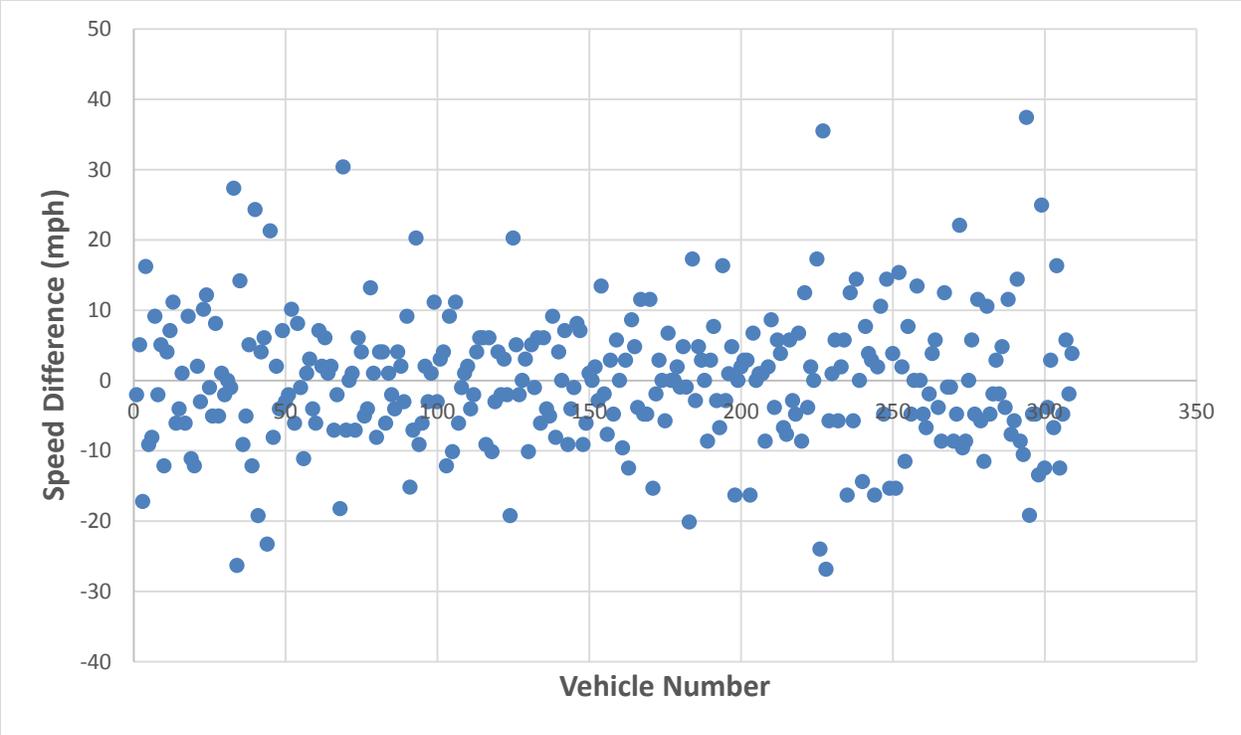


Figure E.22: Speed Difference, US-97, Spraying, Without RSS, Location 2

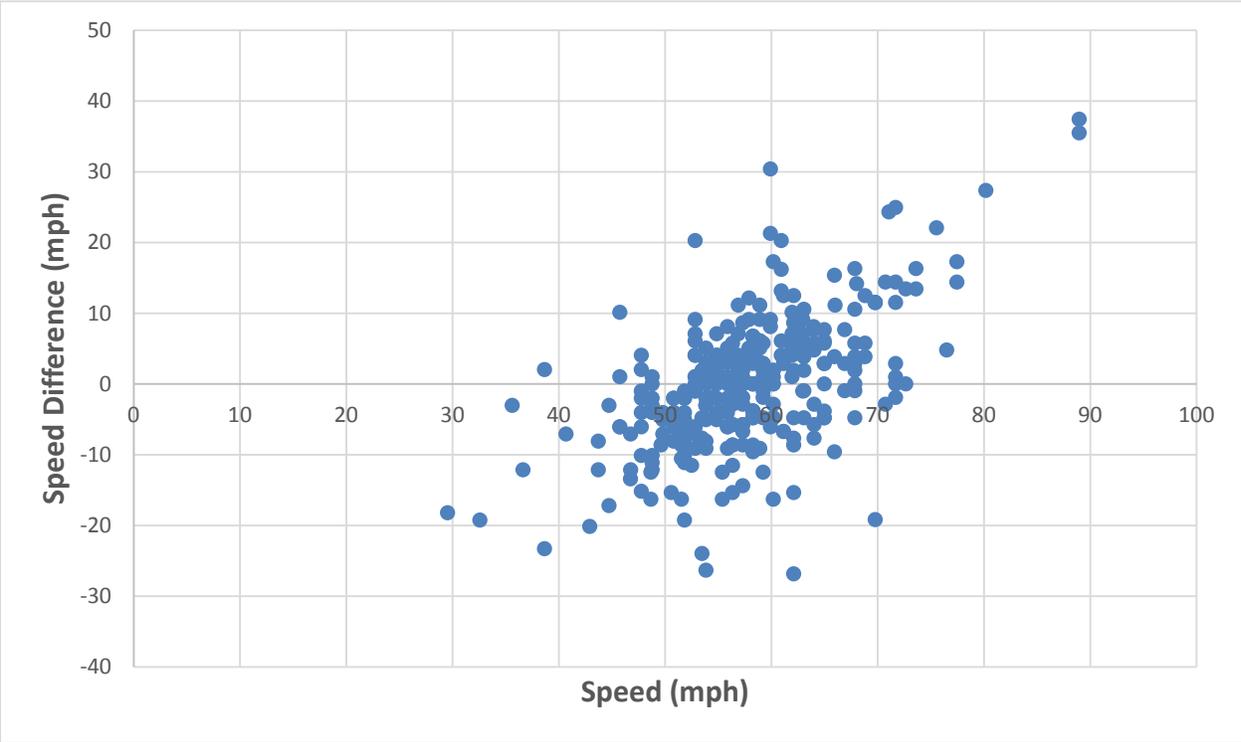


Figure E.23: Speed Difference vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 2

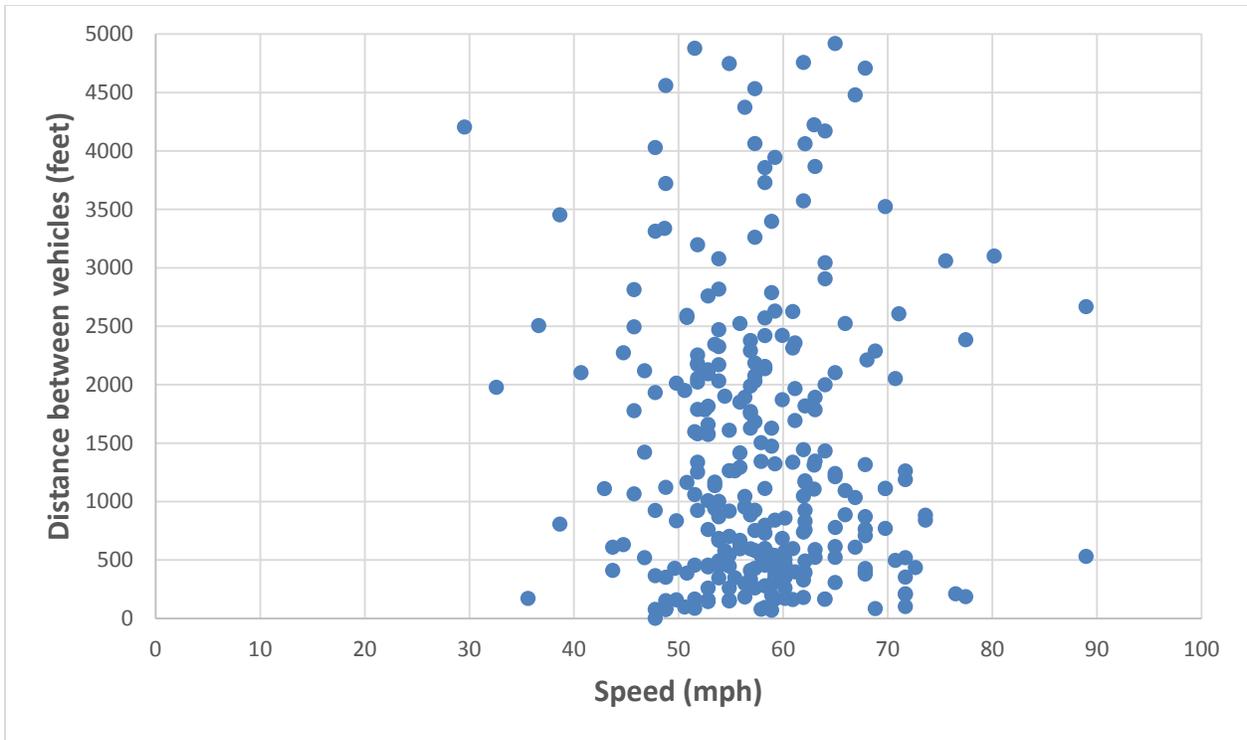


Figure E.24: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 2

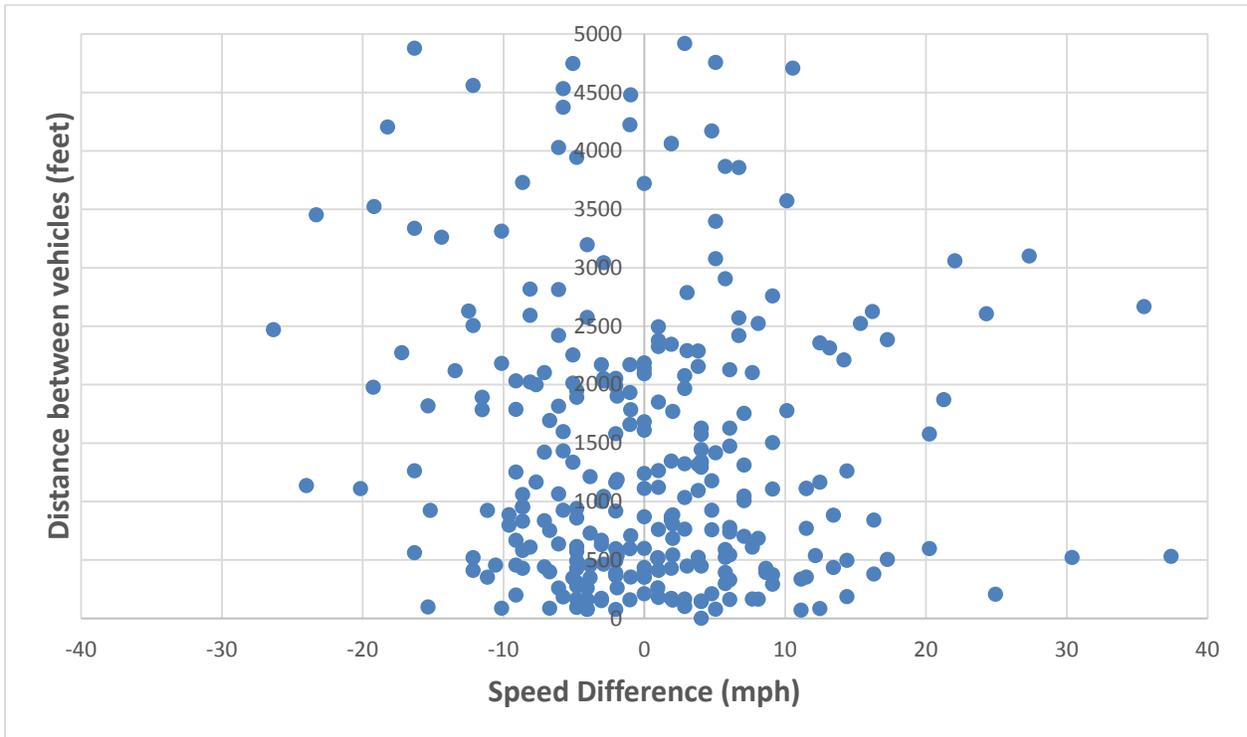


Figure E.25: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 2

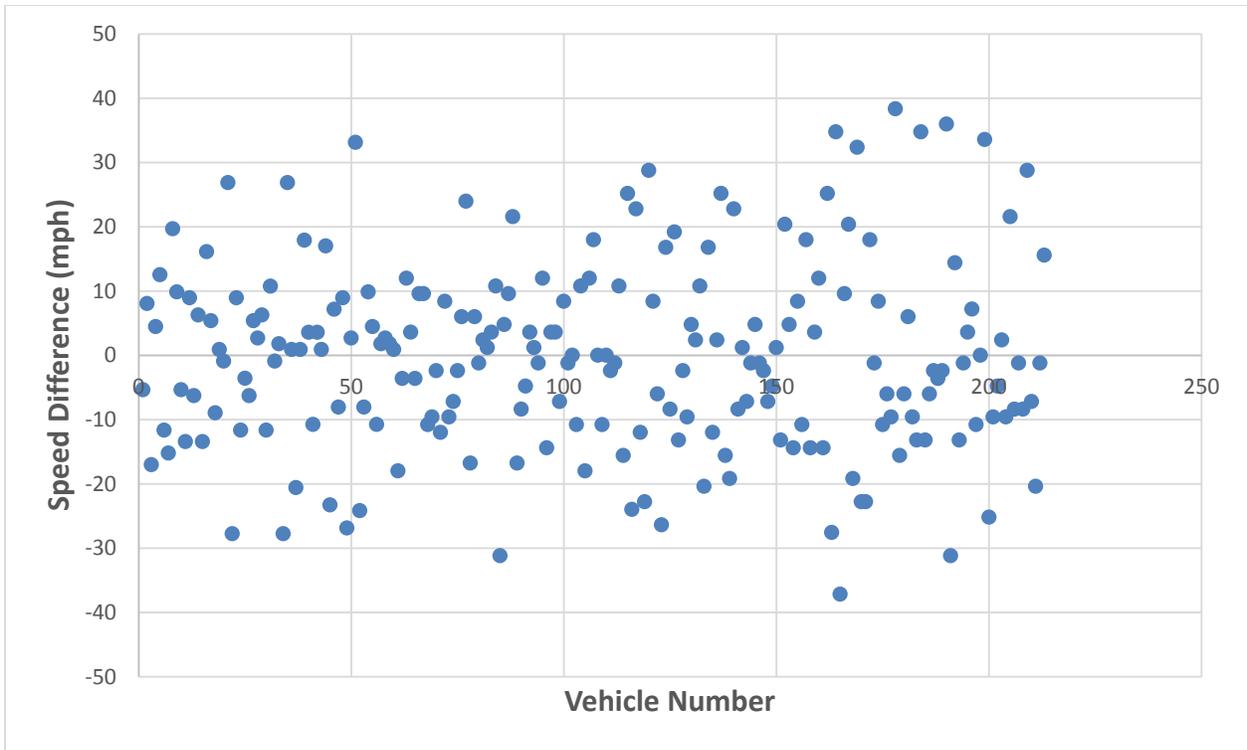


Figure E.26: Speed Difference, US-97, Spraying, Without RSS, Location 4

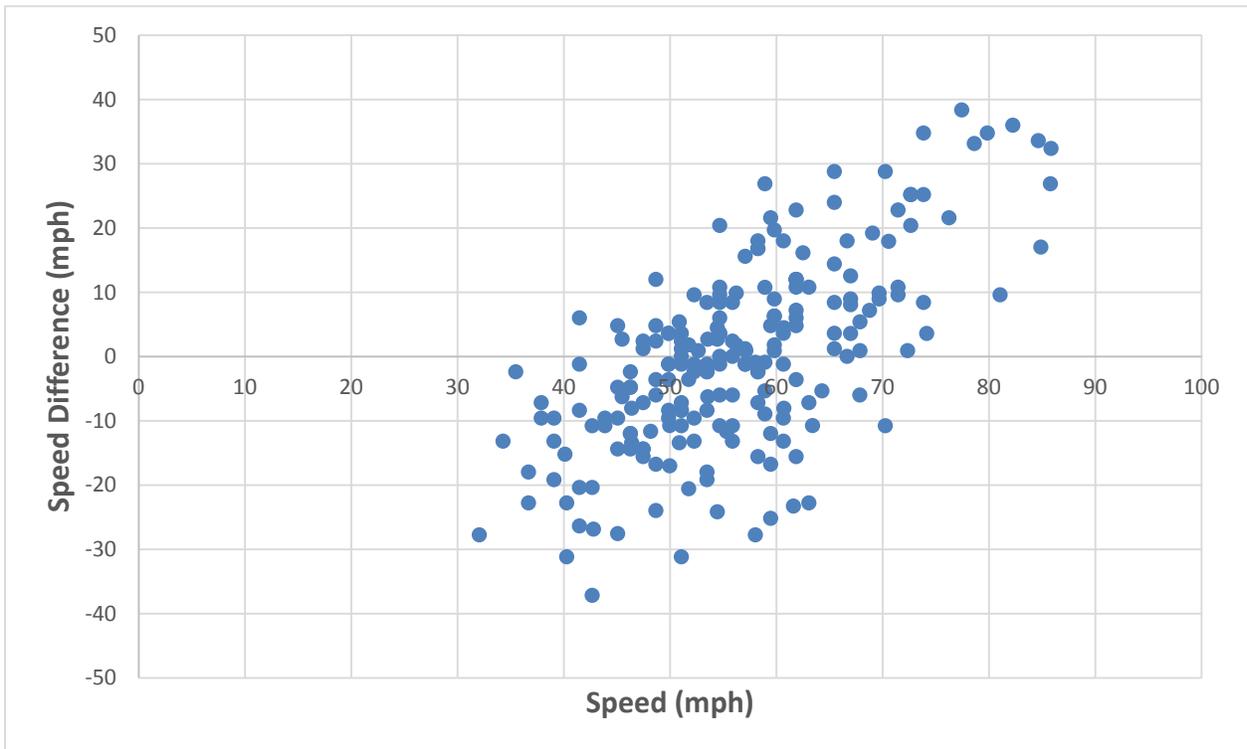


Figure E.27: Speed Difference vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 4

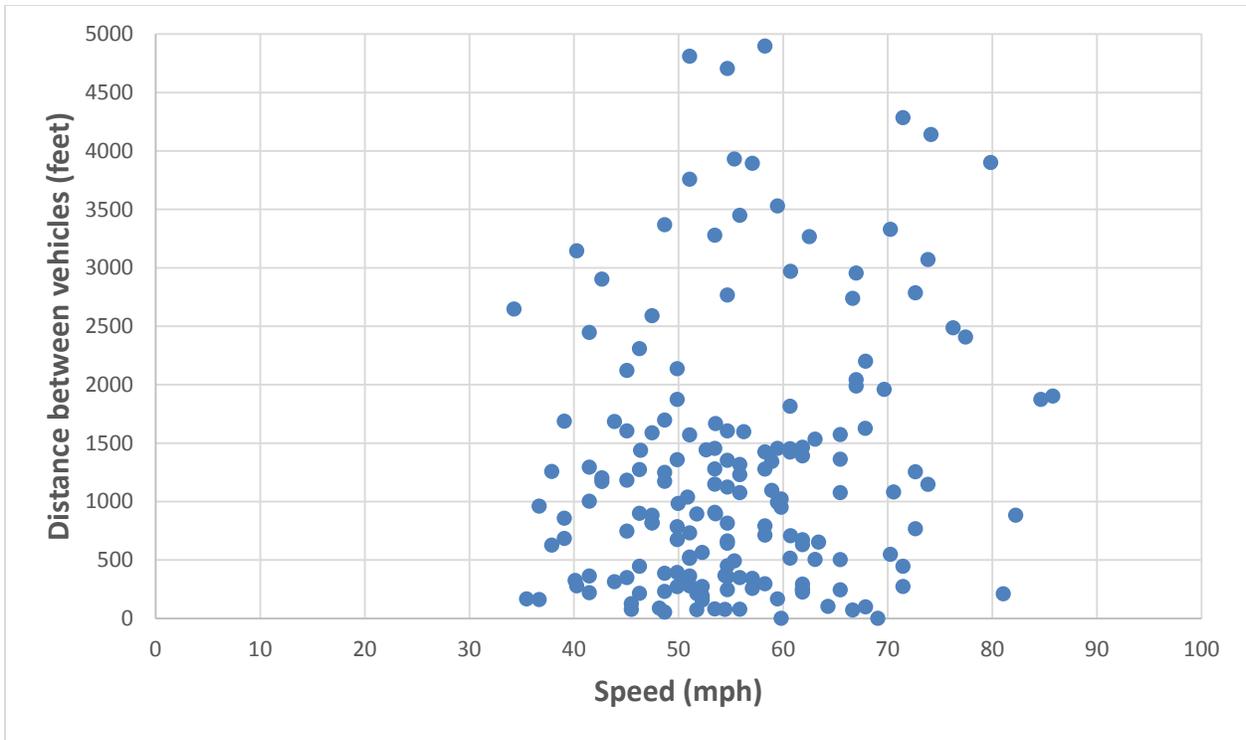


Figure E.28: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 4

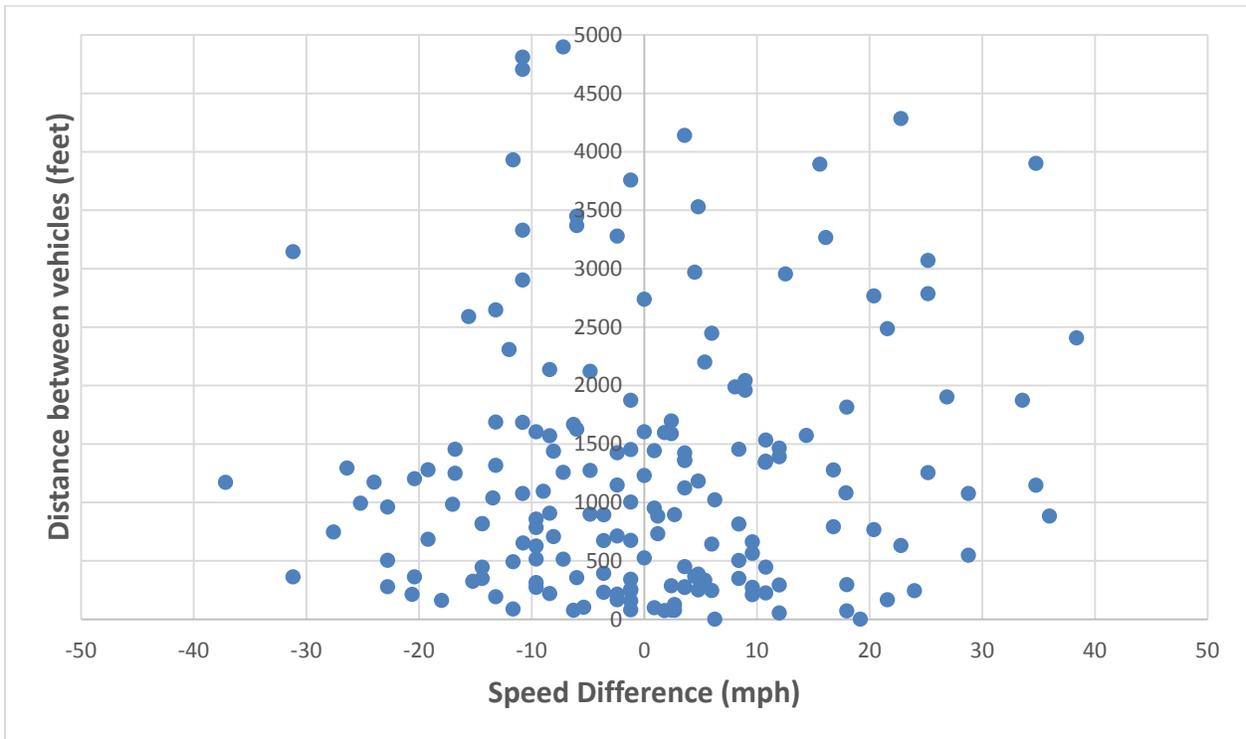


Figure E.29: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, Without RSS, Location 4

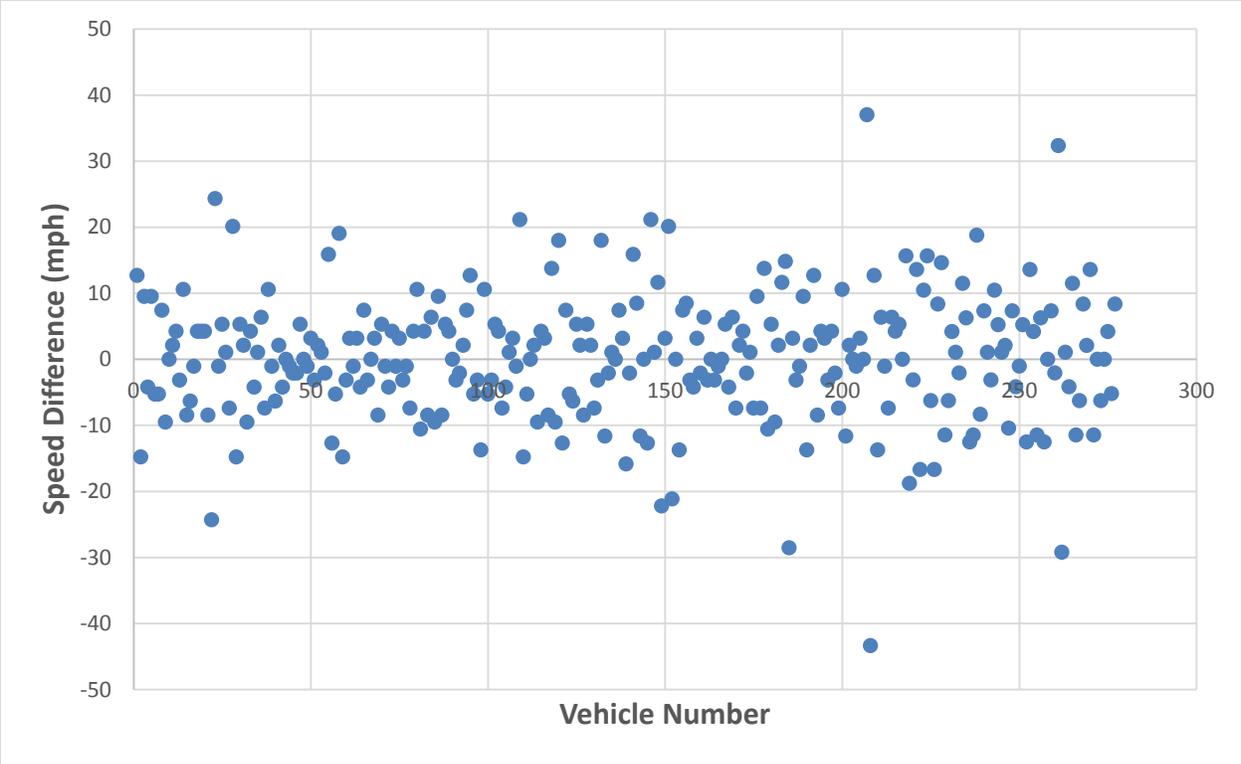


Figure E.30: Speed Difference, US-97, Spraying, With RSS, RWA

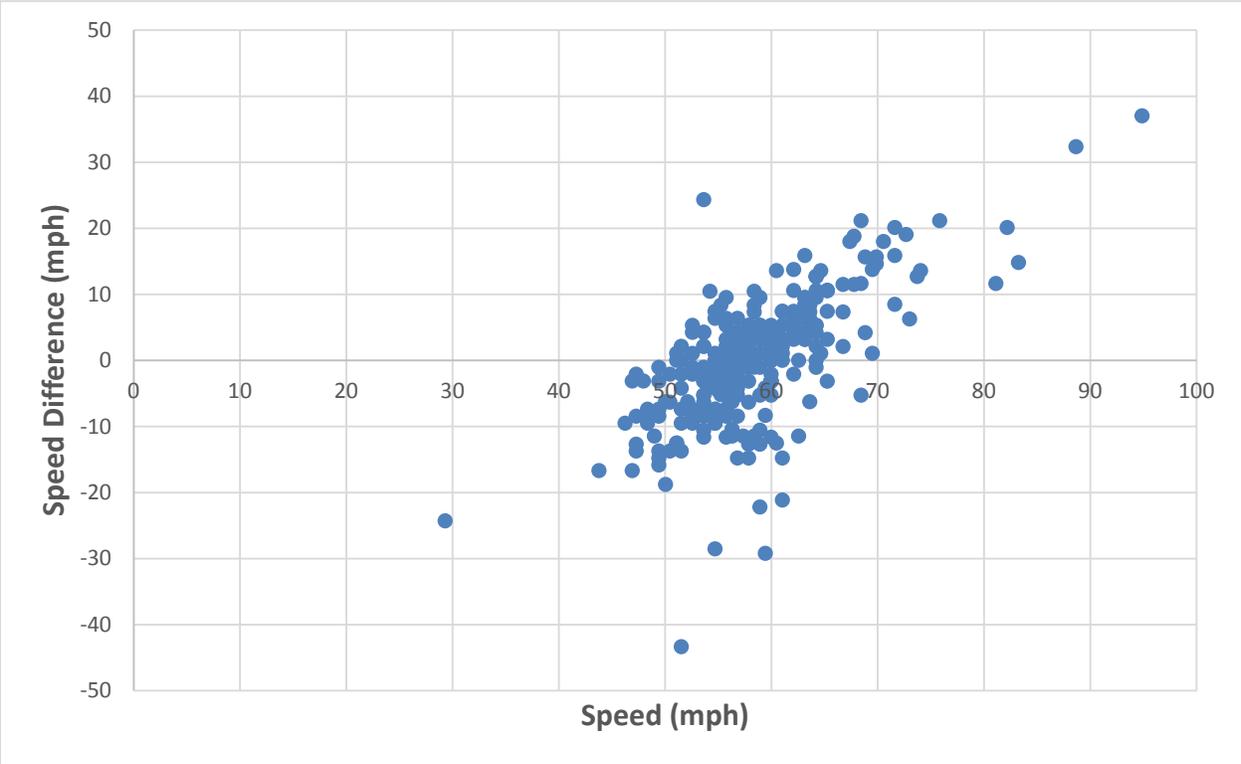


Figure E.31: Speed Difference vs. Vehicle Speed, US-97, Spraying, With RSS, RWA

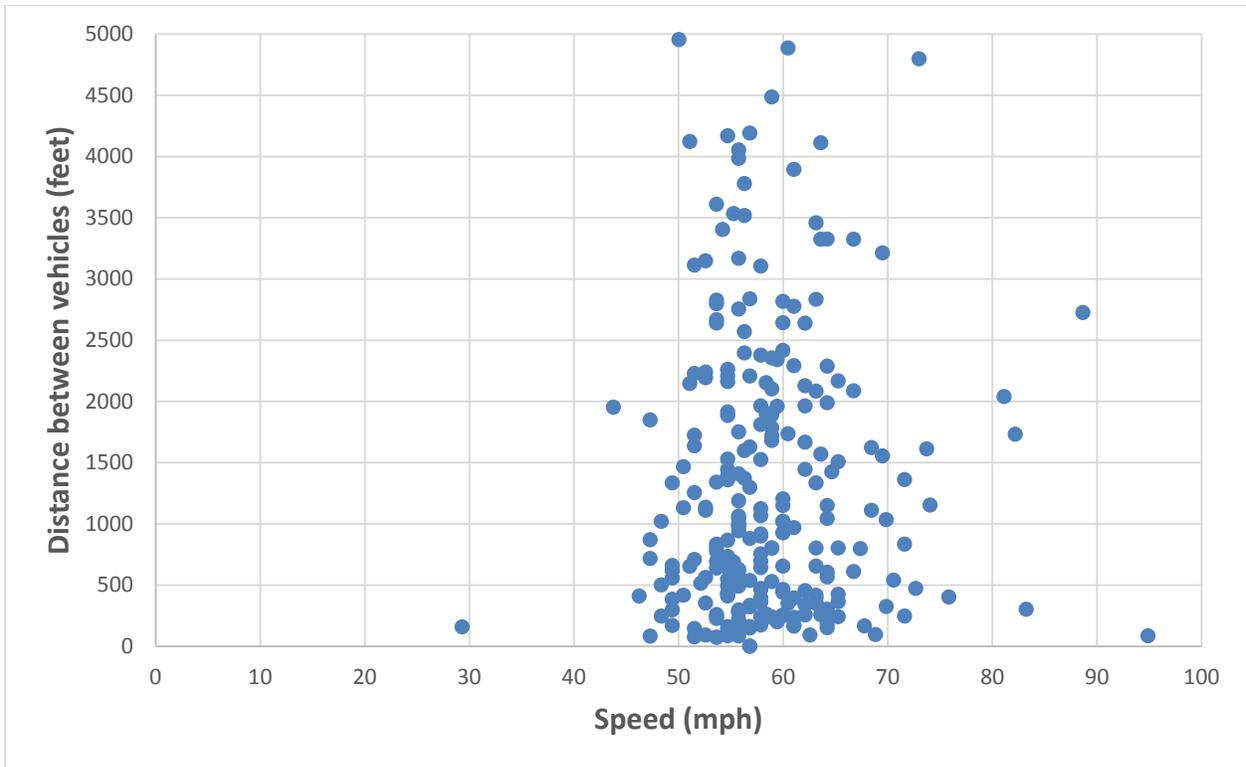


Figure E.32: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, RWA

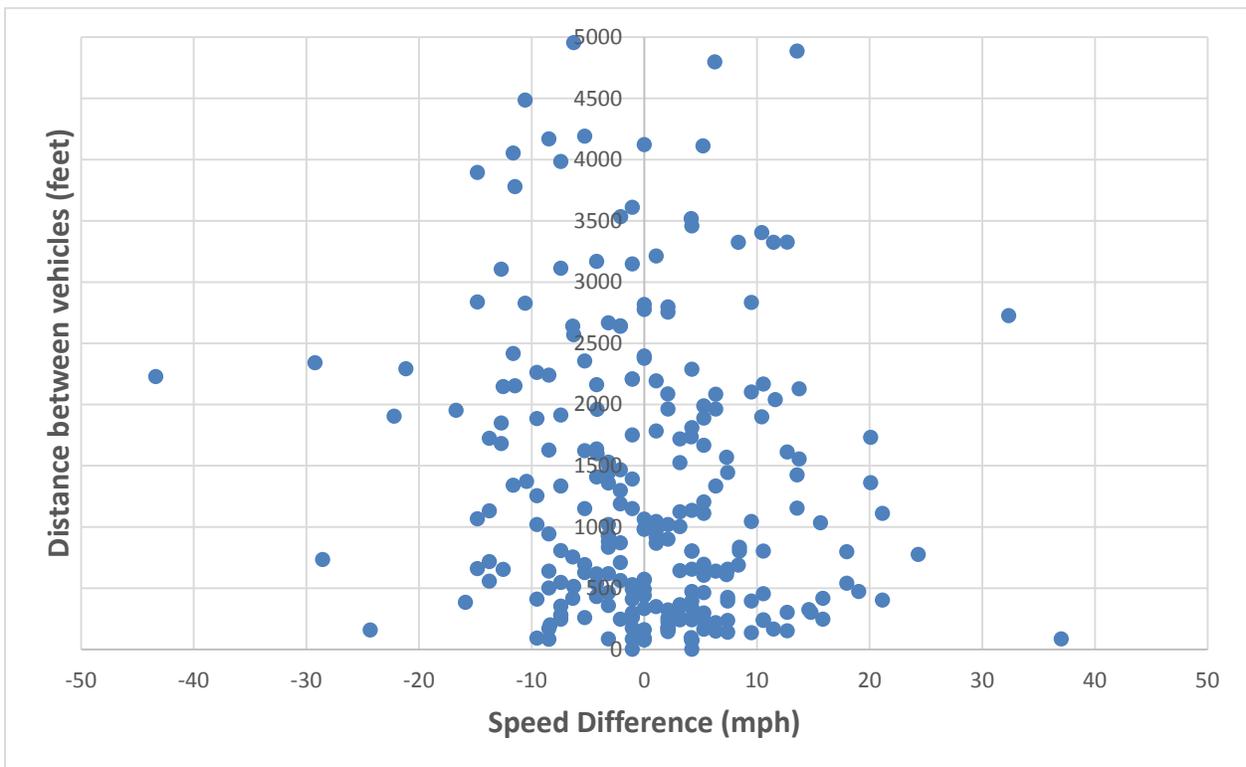


Figure E.33: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, RWA

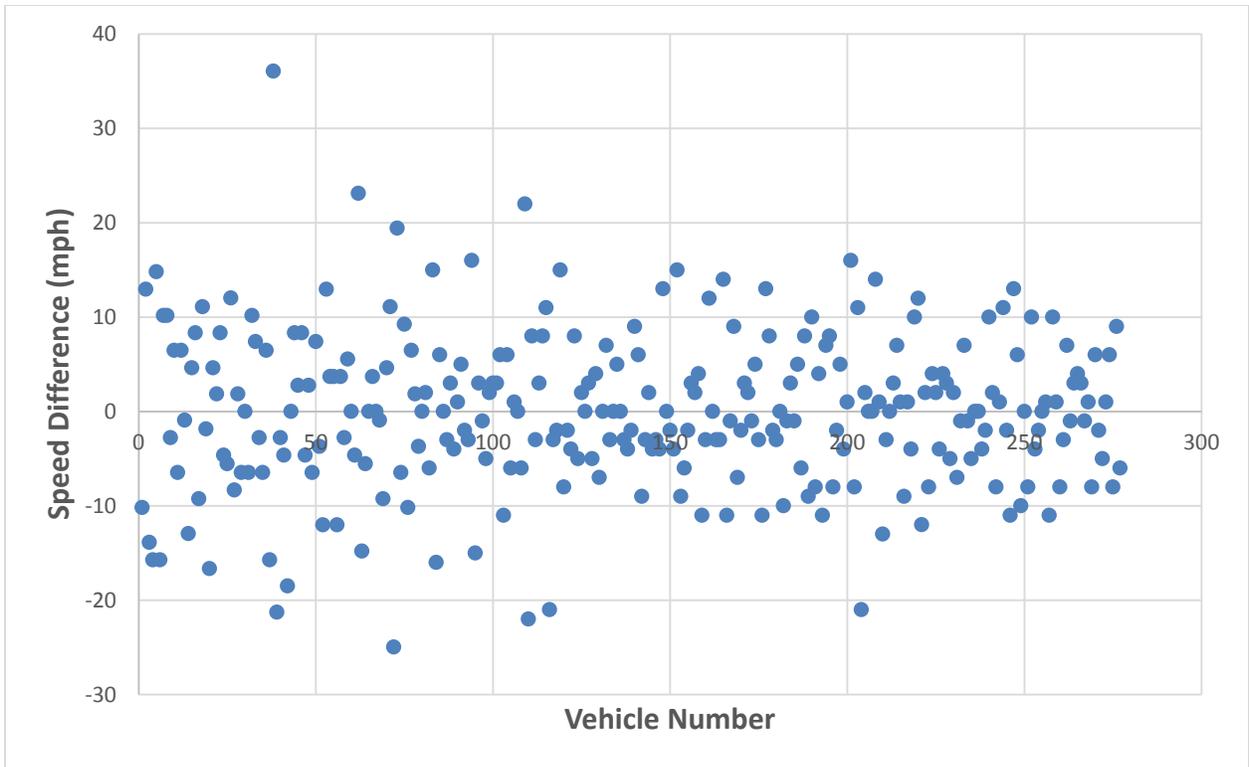


Figure E.34: Speed Difference, US-97, Spraying, With RSS, Location 1

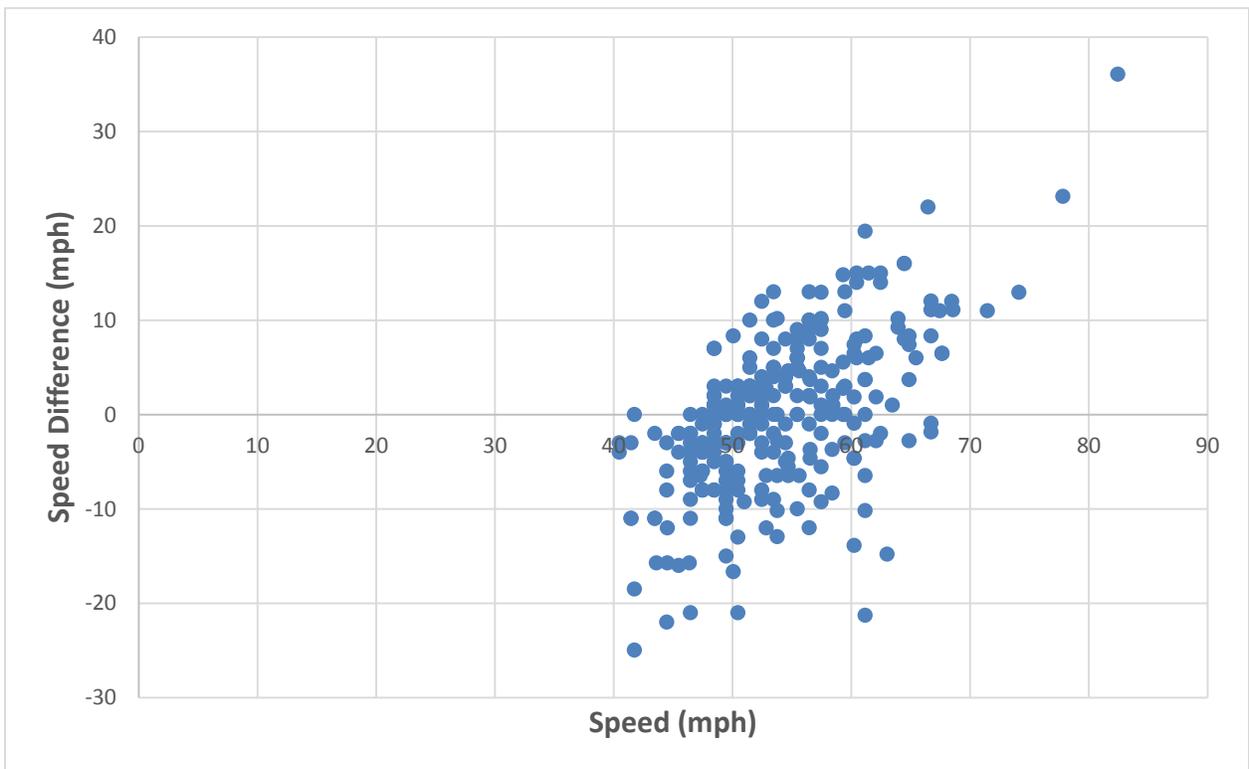


Figure E.35: Speed Difference vs. Vehicle Speed, US-97, Spraying, With RSS, Location 1

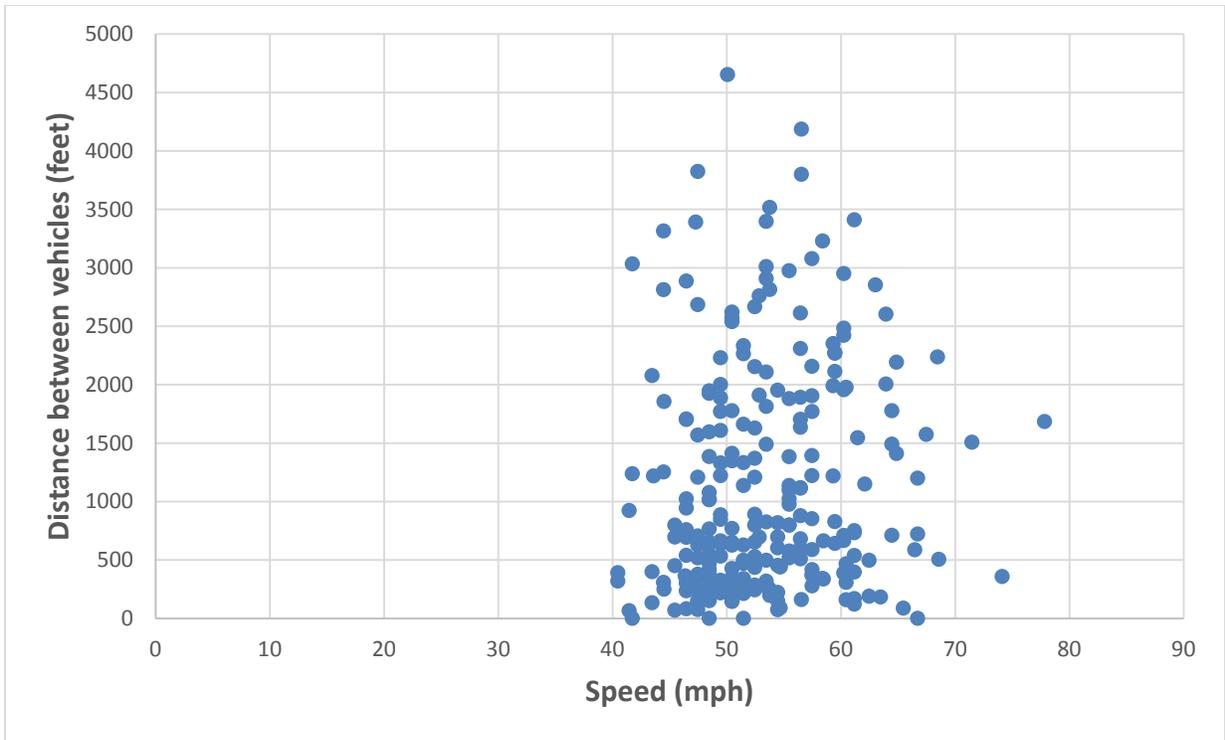


Figure E.36: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, Location 1

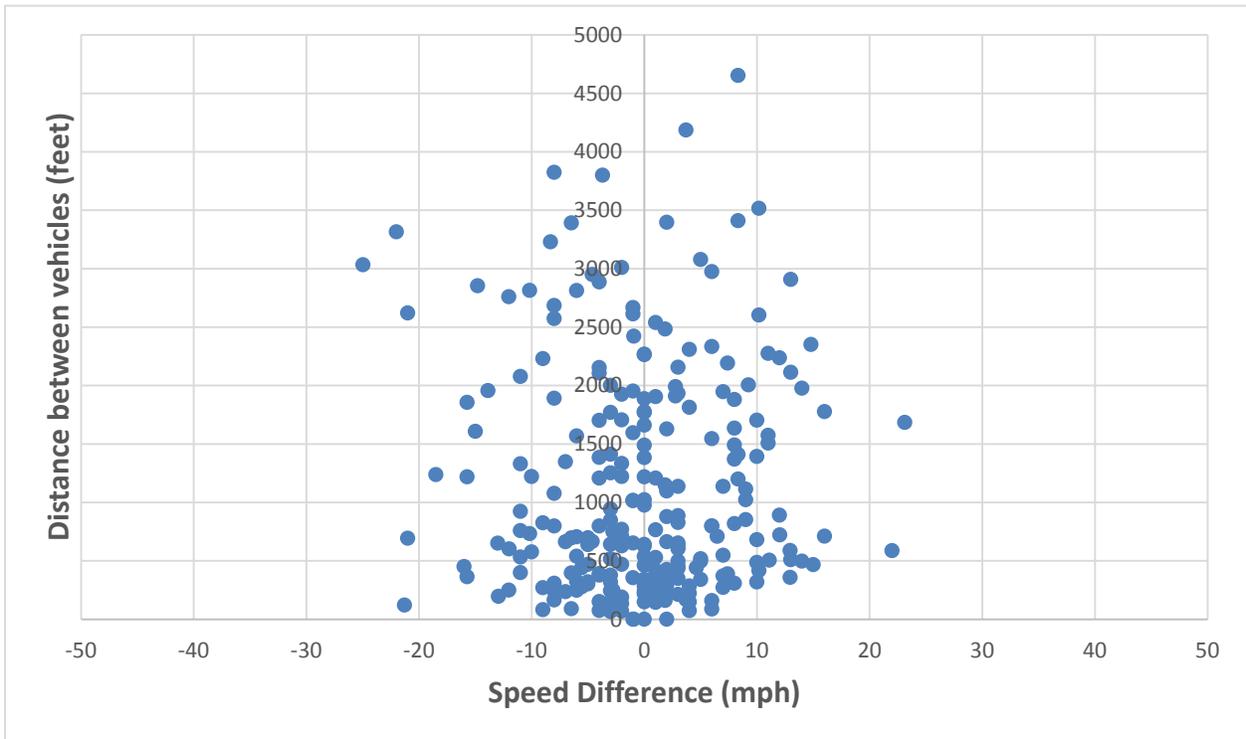


Figure E.37: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, Location 1

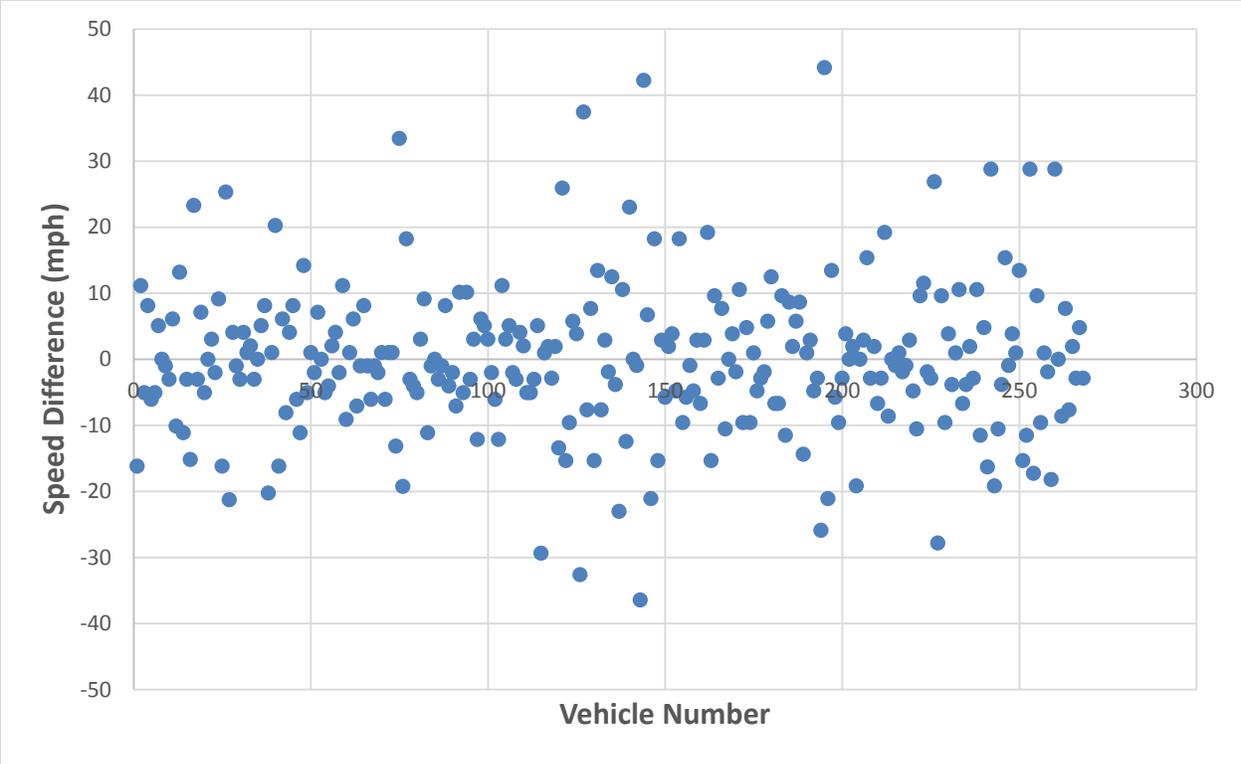


Figure E.38: Speed Difference, US-97, Spraying, With RSS, Location 2

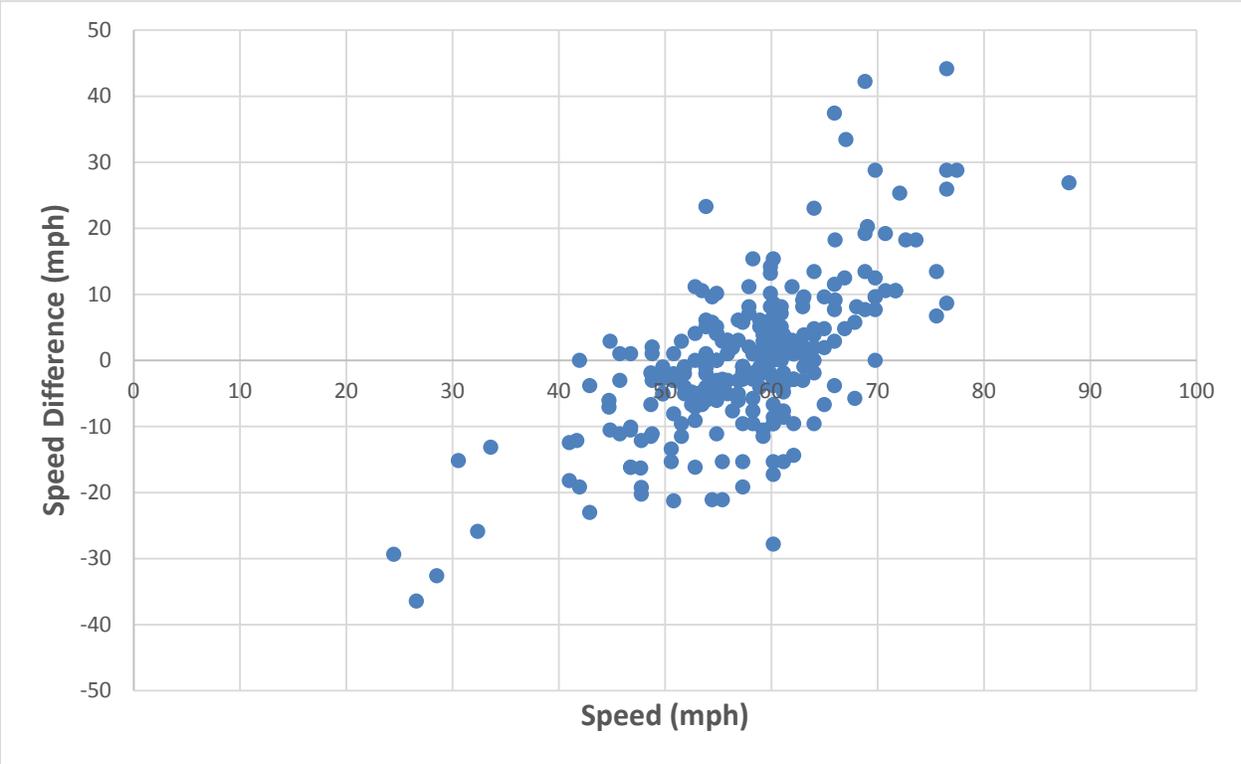


Figure E.39: Speed Difference vs. Vehicle Speed, US-97, Spraying, With RSS, Location 2

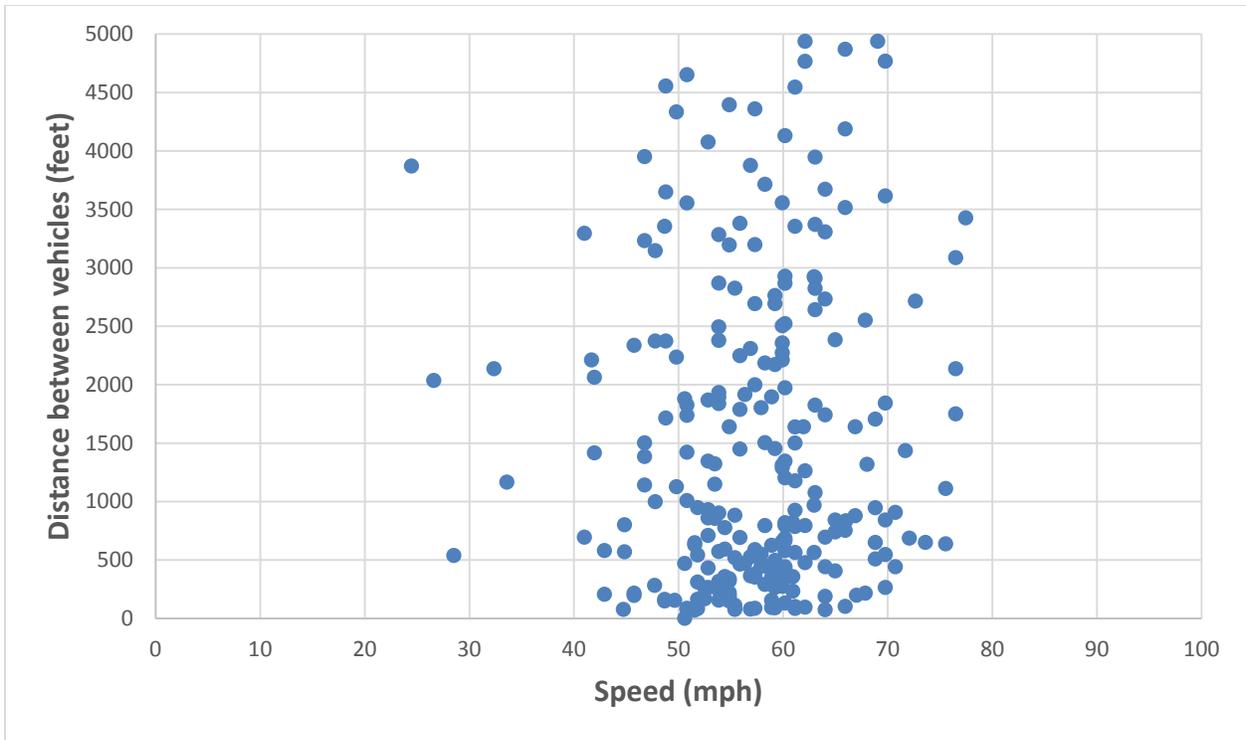


Figure E.40: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, Location 2

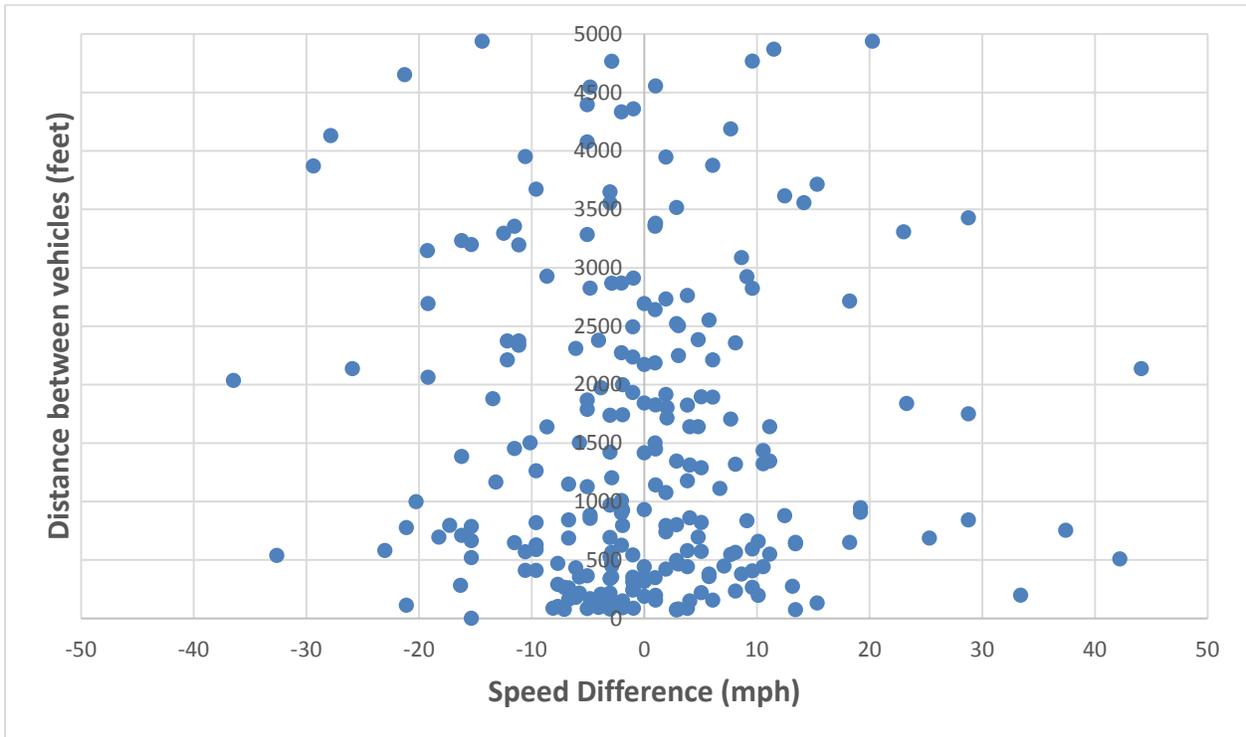


Figure E.41: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, Location 2

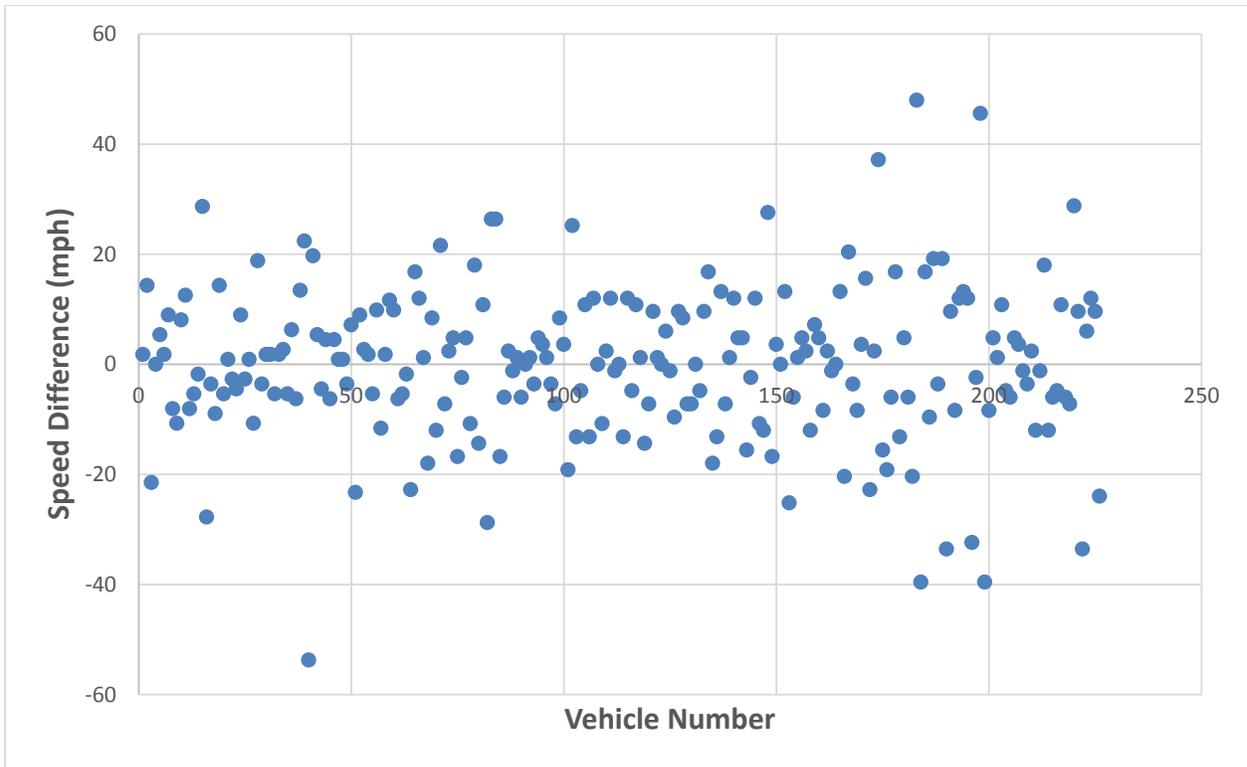


Figure E.42: Speed Difference, US-97, Spraying, With RSS, Location 4

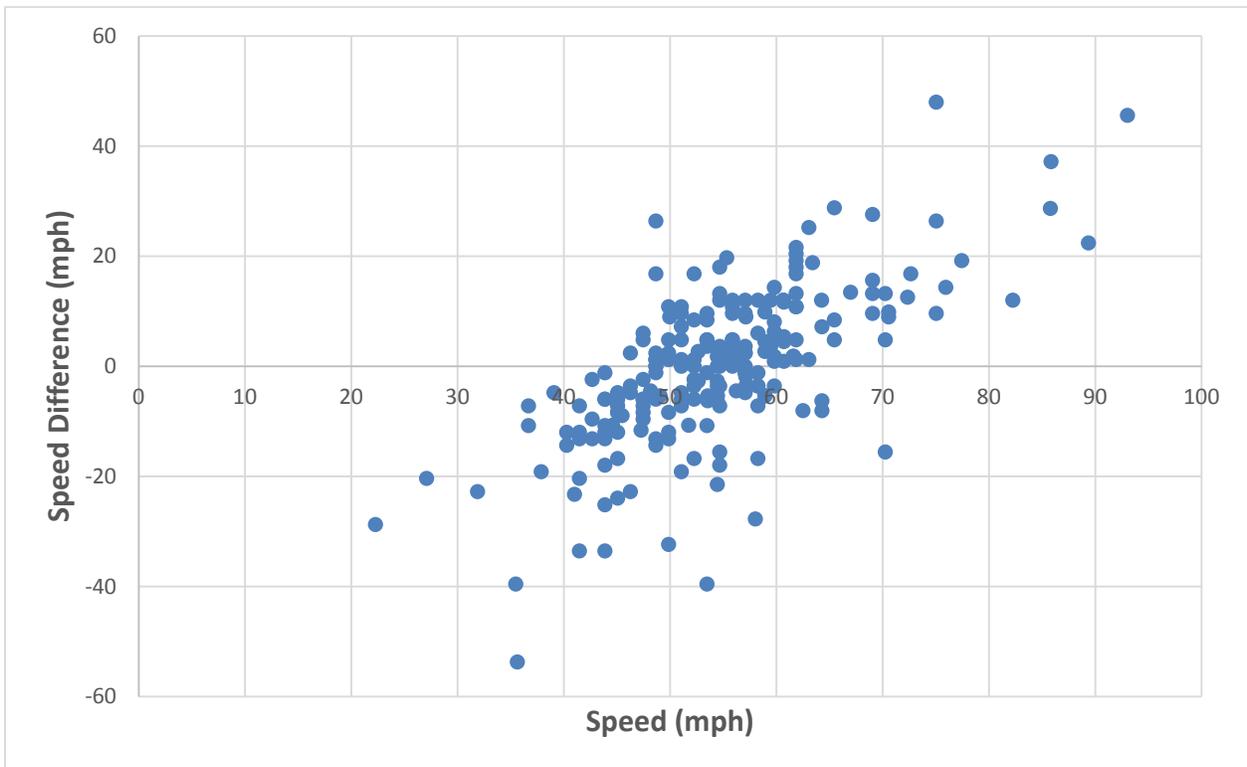


Figure E.43: Speed Difference vs. Vehicle Speed, US-97, Spraying, With RSS, Location 4

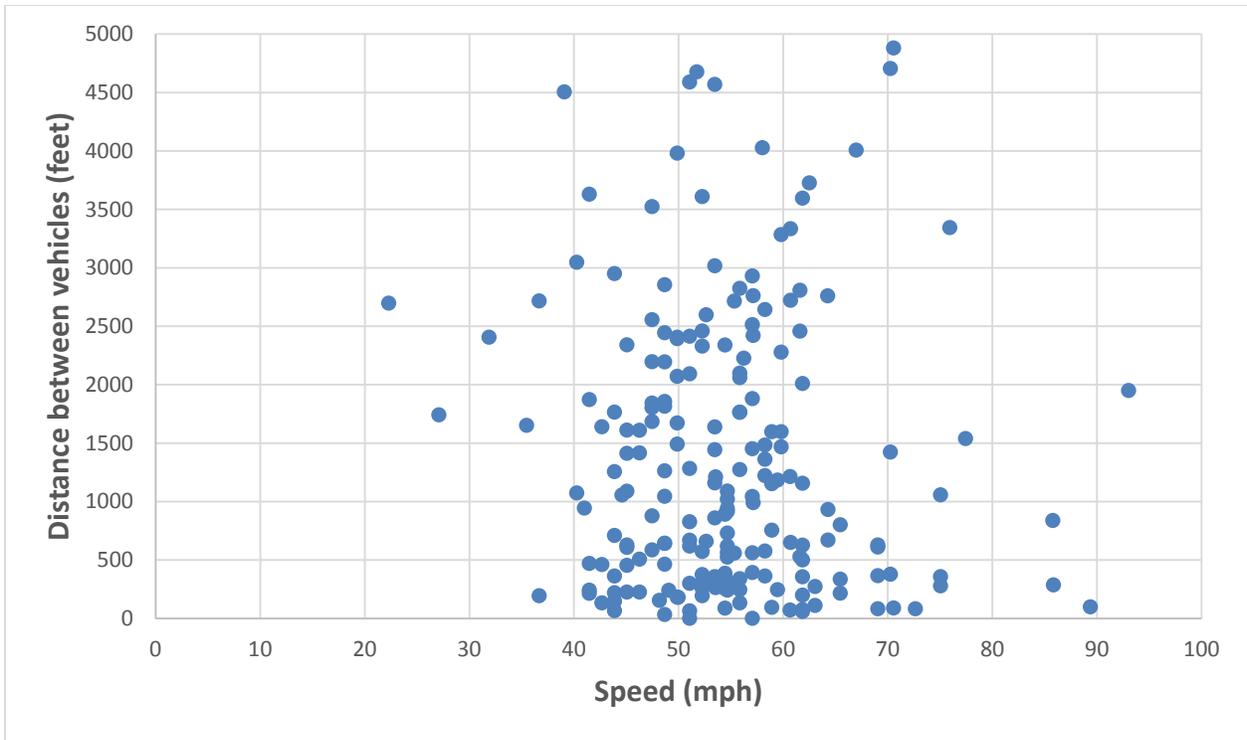


Figure E.44: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, Location 4

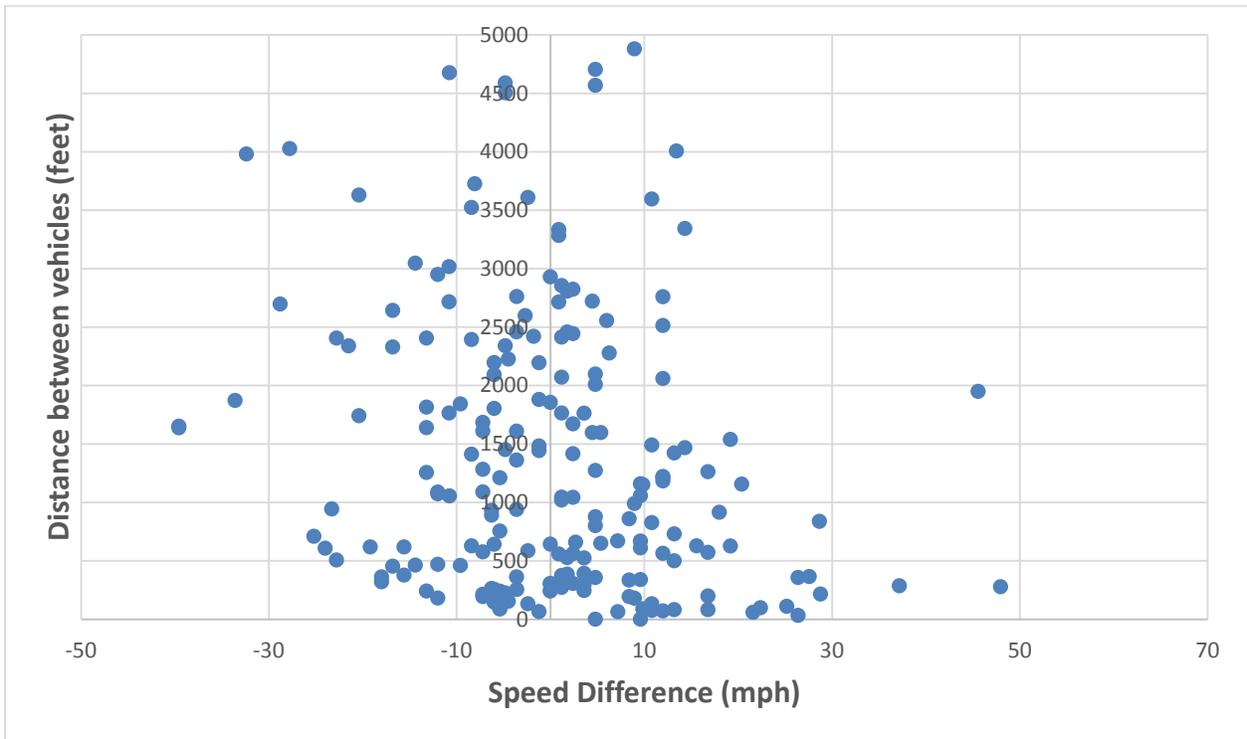


Figure E.45: Distance between Vehicles vs. Vehicle Speed, US-97, Spraying, With RSS, Location 4

Table E.19: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, US-97, Spraying, RWA

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	7.57	7.17	0.40	0.4562
Passenger Cars	7.69	7.18	0.51	0.4057
Trucks	6.81	7.11	0.31	0.7800

Table E.20: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, US-97, Spraying, RWA

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.97	7.59	0.38	0.6242
Passenger	8.22	7.36	0.86	0.2895
Trucks	5.29	8.94	3.66	0.1812

Table E.21: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, US-97, Spraying, RWA

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	1888.54	1976.35	87.81	0.6838
Passenger Cars	1915.40	1985.03	69.63	0.7782
Trucks	1726.74	1946.36	219.62	0.6111

Table E.22: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, Without RSS, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	7.69	6.81	0.89	0.4021
Mean positive speed difference (mph)	8.22	5.29	2.94	0.1342
Mean distance between adjacent vehicles (feet)	1915.40	1726.74	188.66	0.6540

Table E.23: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With RSS, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	7.18	7.11	0.07	0.9392
Mean positive speed difference (mph)	7.36	8.94	1.58	0.3100
Mean distance between adjacent vehicles (feet)	1985.03	1946.36	38.67	0.9188

Table E.24: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With and Without RSS, RWA

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	7.47	6.98	0.48	0.4859
Mean positive speed difference (mph)	7.84	7.46	0.38	0.7568
Mean distance between adjacent vehicles (feet)	1946.13	1854.00	92.13	0.7417

Table E.25: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, US-97, Spraying, Location 1

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	6.89	6.25	0.64	0.1871
Passenger Cars	6.89	6.29	0.60	0.2588
Trucks	6.85	6.07	0.78	0.5253

Table E.26: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, US-97, Spraying, Location 1

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.25	6.92	0.32	0.6450
Passenger Cars	7.20	7.21	0.00	0.9998
Trucks	7.61	5.55	2.06	0.3325

Table E.27: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, US-97, Spraying, Location 1

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	1845.35	1836.66	8.68	0.9666
Passenger Cars	1905.01	1802.24	102.77	0.6487
Trucks	1401.89	1978.19	576.30	0.2967

Table E.28: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, Without RSS, Location 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.89	6.85	0.04	0.9674
Mean positive speed difference (mph)	7.20	7.61	0.40	0.8056
Mean distance between adjacent vehicles (feet)	1905.01	1401.89	503.12	0.2601

Table E.29: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With RSS, Location 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	6.29	6.07	0.22	0.7858
Mean positive speed difference (mph)	7.21	5.55	1.66	0.2001
Mean distance between adjacent vehicles (feet)	1802.24	1978.19	175.95	0.6388

Table E.30: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With and Without RSS, Location 1

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.62	6.39	0.24	0.7216
Mean positive speed difference (mph)	7.20	6.41	0.80	0.4349
Mean distance between adjacent vehicles (feet)	1859.11	1743.87	115.24	0.6872

Table E.31: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, US-97, Spraying, Location 2

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	7.06	8.13	1.08	0.0700
Passenger Cars	6.85	7.98	1.14	0.0832
Trucks	7.88	8.56	0.67	0.6228

Table E.32: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, US-97, Spraying, Location 2

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	7.58	8.96	1.38	0.1563
Passenger	6.93	8.38	1.45	0.1484
Trucks	10.38	10.77	0.39	0.8815

Table E.33: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, US-97, Spraying, Location 2

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	1906.10	1955.22	49.12	0.7848
Passenger Cars	1931.19	1885.79	45.41	0.8190
Trucks	1808.51	2150.61	342.10	0.4133

Table E.34: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, Without RSS, Location 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	6.85	7.88	1.04	0.2378
Mean positive speed difference (mph)	6.93	10.38	3.45	0.0170
Mean distance between adjacent vehicles (feet)	1931.19	1808.51	122.68	0.6904

Table E.35: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With RSS, Location 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	7.98	8.56	0.57	0.6077
Mean positive speed difference (mph)	8.38	10.77	2.39	0.2083
Mean distance between adjacent vehicles (feet)	1885.79	2150.61	264.83	0.3703

Table E.36: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With and Without RSS, Location 2

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	7.35	8.24	0.88	0.2084
Mean positive speed difference (mph)	7.57	10.58	3.02	0.0103
Mean distance between adjacent vehicles (feet)	1910.95	1988.57	77.61	0.7152

Table E.37: Effect of Radar Speed Sign on Absolute Value of Speed Differences between Adjacent Vehicles, US-97, Spraying, Location 4

Type of vehicle	Mean of absolute value of Speed difference (mph) without RSS	Mean of absolute value of Speed difference (mph) with RSS	Difference in mean values (mph)	p-value
All Vehicles	11.40	10.20	1.20	0.1729
Passenger Cars	11.22	10.24	0.98	0.3169
Trucks	12.43	10.06	2.37	0.2532

Table E.38: Effect of Radar Speed Sign on Vehicles with Positive Speed Differences between Adjacent Vehicles, US-97, Spraying, Location 4

Type of vehicle	Mean of positive value of Speed difference (mph) without RSS (Day1)	Mean of positive value of Speed difference (mph) with RSS (Day2)	Difference in mean values (mph)	p-value
All Vehicles	11.77	10.07	1.70	0.1871
Passenger	11.11	10.46	0.65	0.6560
Trucks	15.56	8.43	7.12	0.0100

Table E.39: Effect of Radar Speed Sign on Distance between Adjacent Vehicles, US-97, Spraying, Location 4

Type of vehicle	Mean of distance apart without RSS (feet)	Mean of distance apart with RSS (feet)	Difference in mean values (feet)	p-value
All Vehicles	2843.69	2157.01	686.69	0.0591
Passenger Cars	2838.89	2065.89	772.99	0.0580
Trucks	2870.73	2502.08	368.66	0.6538

Table E.40: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, Without RSS, Location 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	11.22	12.43	1.22	0.4843
Mean positive speed difference (mph)	11.11	15.56	4.45	0.1060
Mean distance between adjacent vehicles (feet)	2838.89	2870.73	31.85	0.9713

Table E.41: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With RSS, Location 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference(mph)	10.24	10.06	0.18	0.9078
Mean positive speed difference (mph)	10.46	8.43	2.03	0.3441
Mean distance between adjacent vehicles (feet)	2065.89	2502.08	436.18	0.3485

Table E.42: Effect of Vehicle Type on Speed Differences between Adjacent Vehicles, US-97, Spraying, With and Without RSS, Location 4

Type of vehicle	Passenger Cars	Trucks	Difference	p-value
Mean Absolute value of speed difference (mph)	10.73	11.02	0.29	0.7992
Mean positive speed difference (mph)	10.77	11.32	0.54	0.7495
Mean distance between adjacent vehicles (feet)	2454.55	2651.40	196.86	0.6775

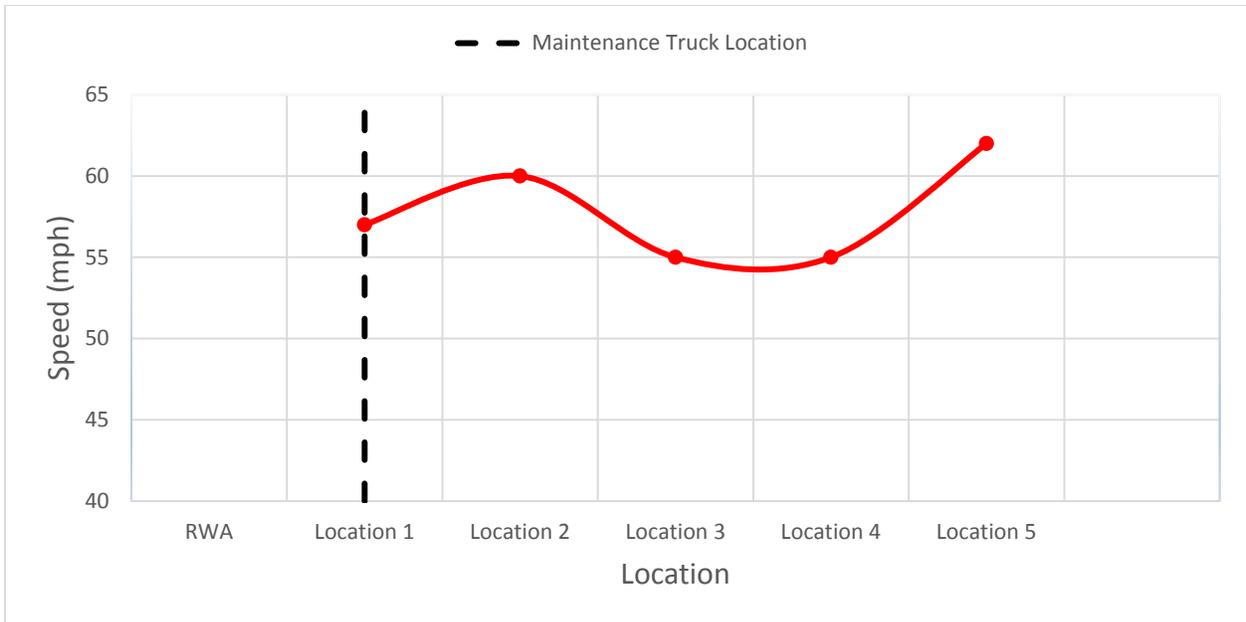


Figure E.46: Probe Vehicle, US-97, Spraying, Without RSS, Trip 1

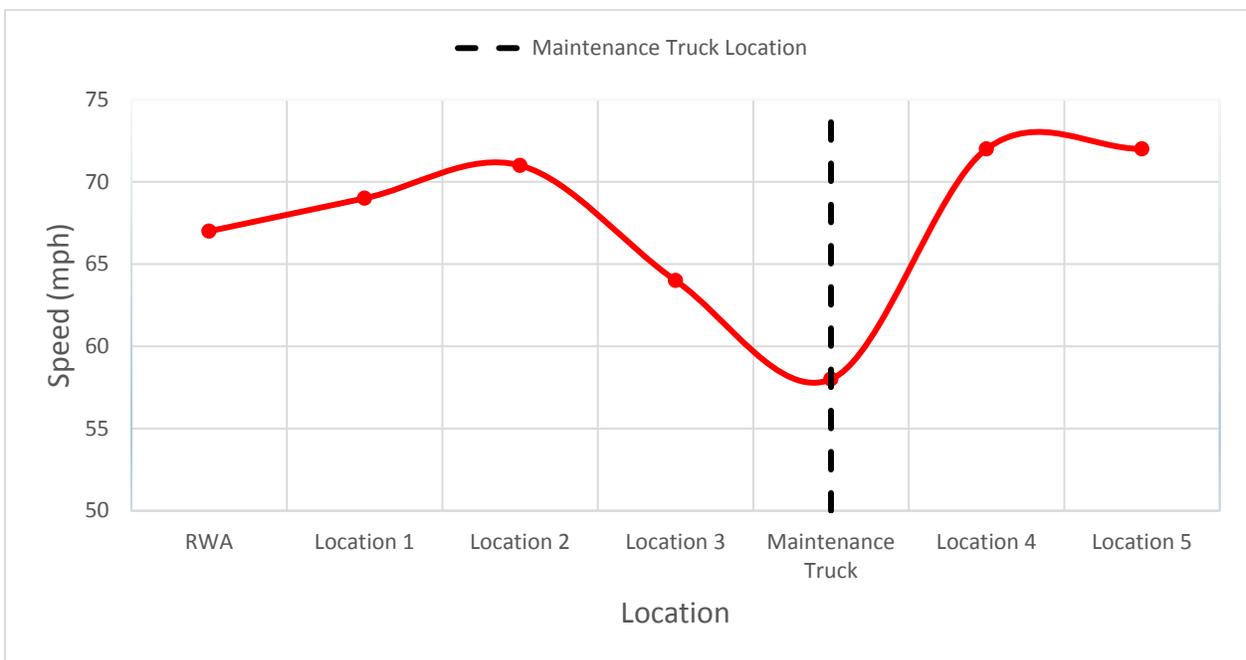


Figure E.47: Probe Vehicle, US-97, Spraying, Without RSS, Trip 2

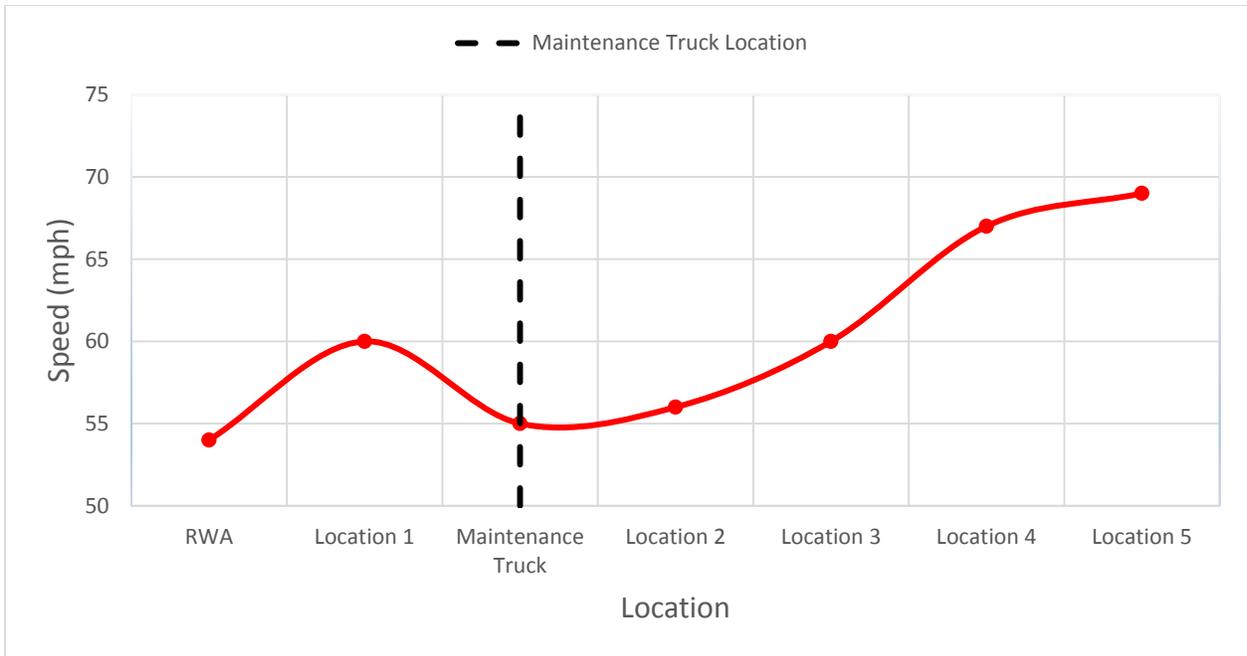


Figure E.48: Probe Vehicle, US-97, Spraying, Without RSS, Trip 3

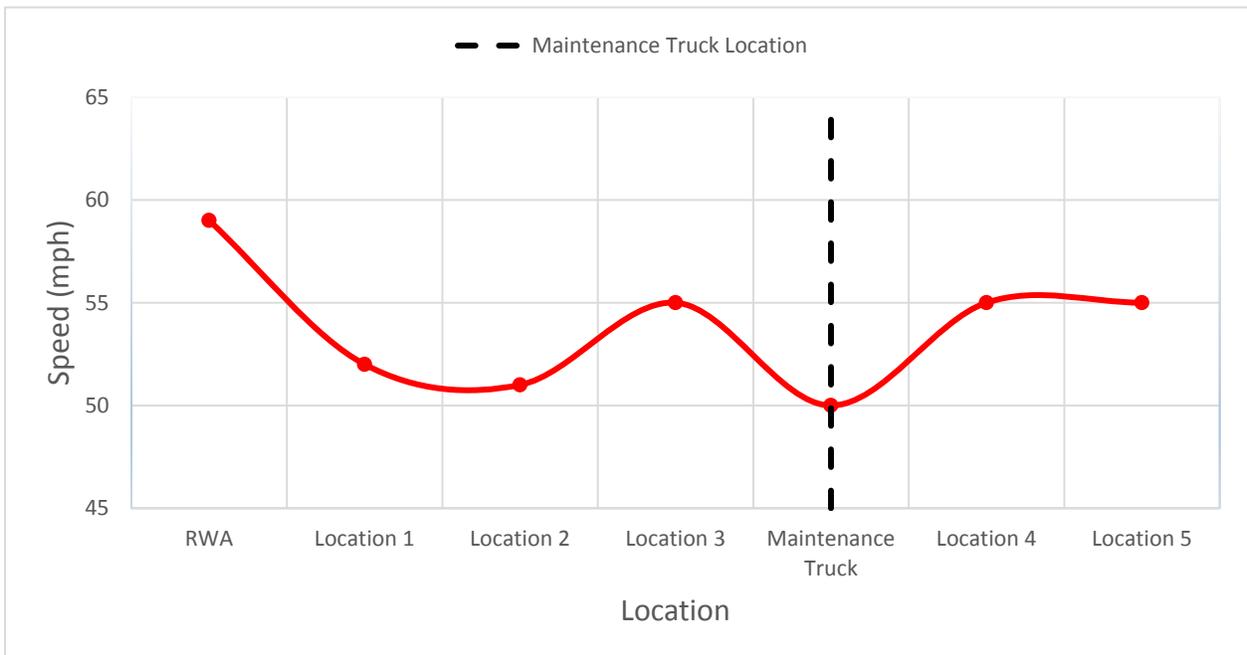


Figure E.49: Probe Vehicle, US-97, Spraying, Without RSS, Trip 4

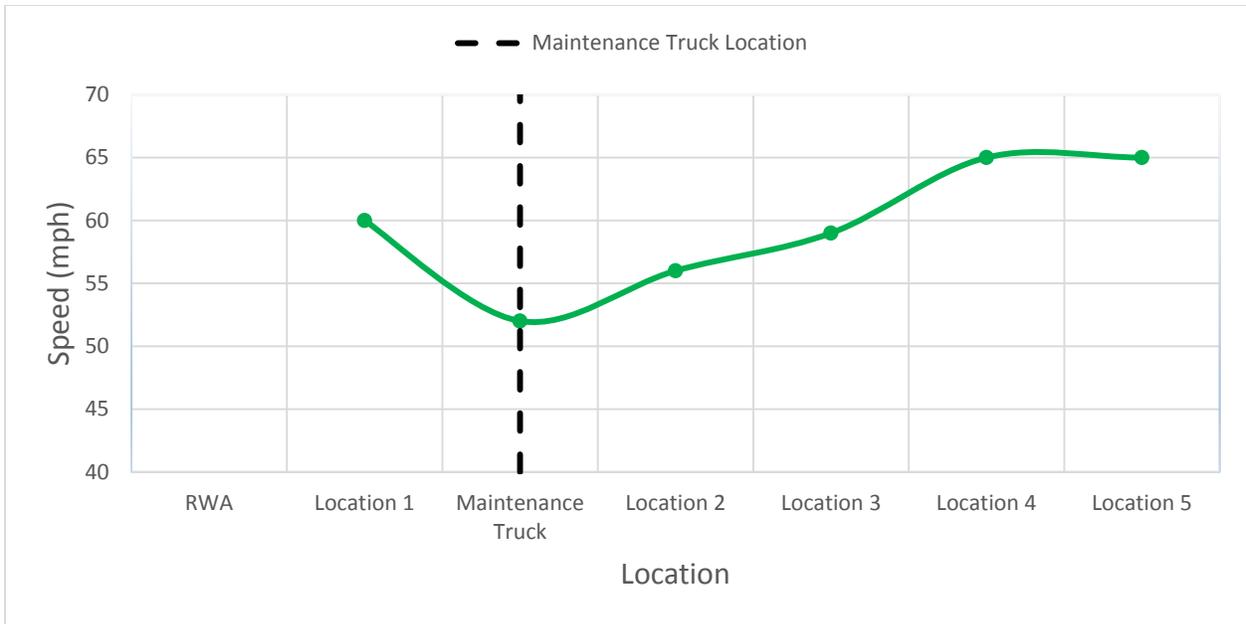


Figure E.50: Probe Vehicle, US-97, Spraying, With RSS, Trip 1

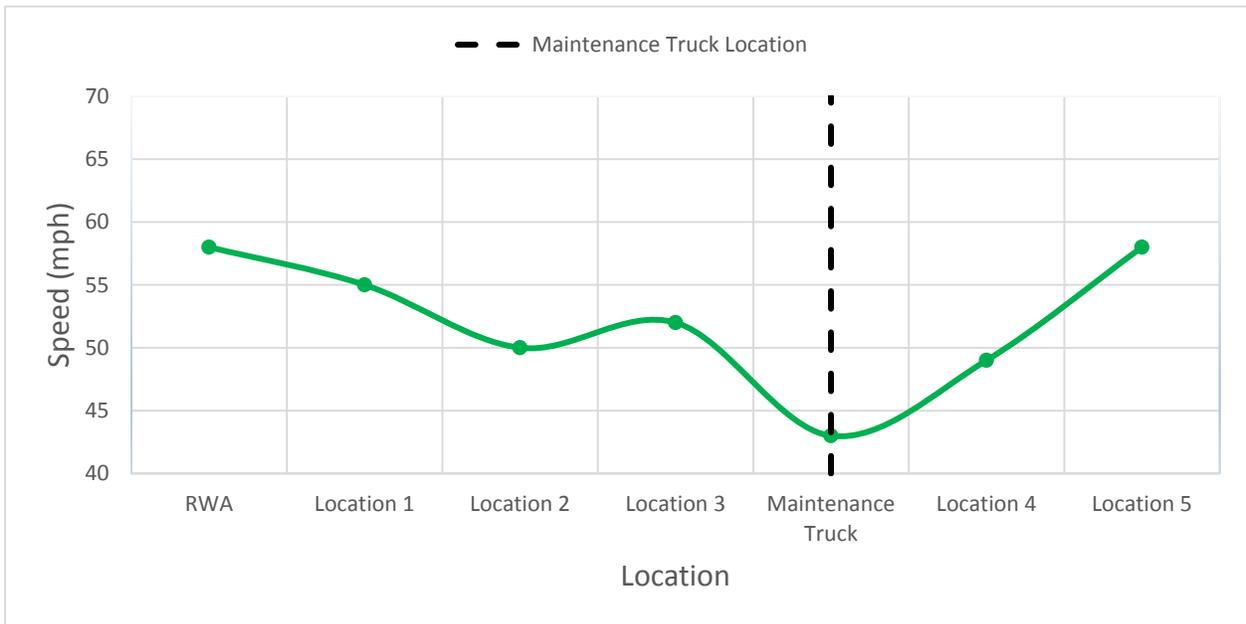


Figure E.51: Probe Vehicle, US-97, Spraying, With RSS, Trip 2

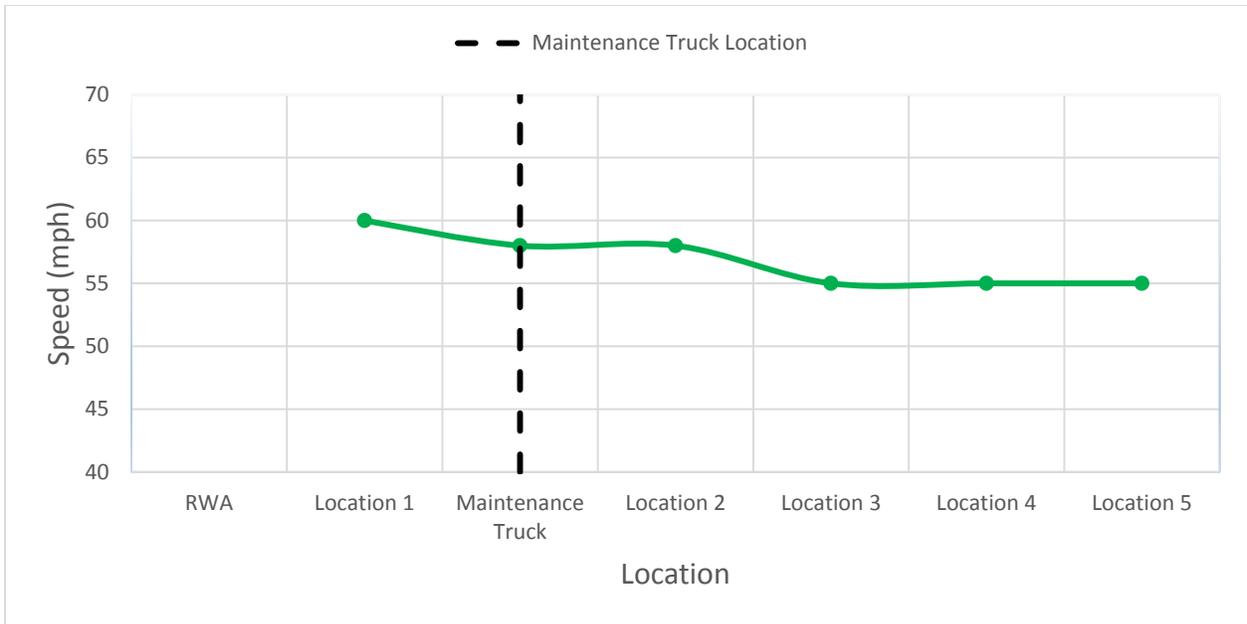


Figure E.52: Probe Vehicle, US-97, Spraying, With RSS, Trip 3

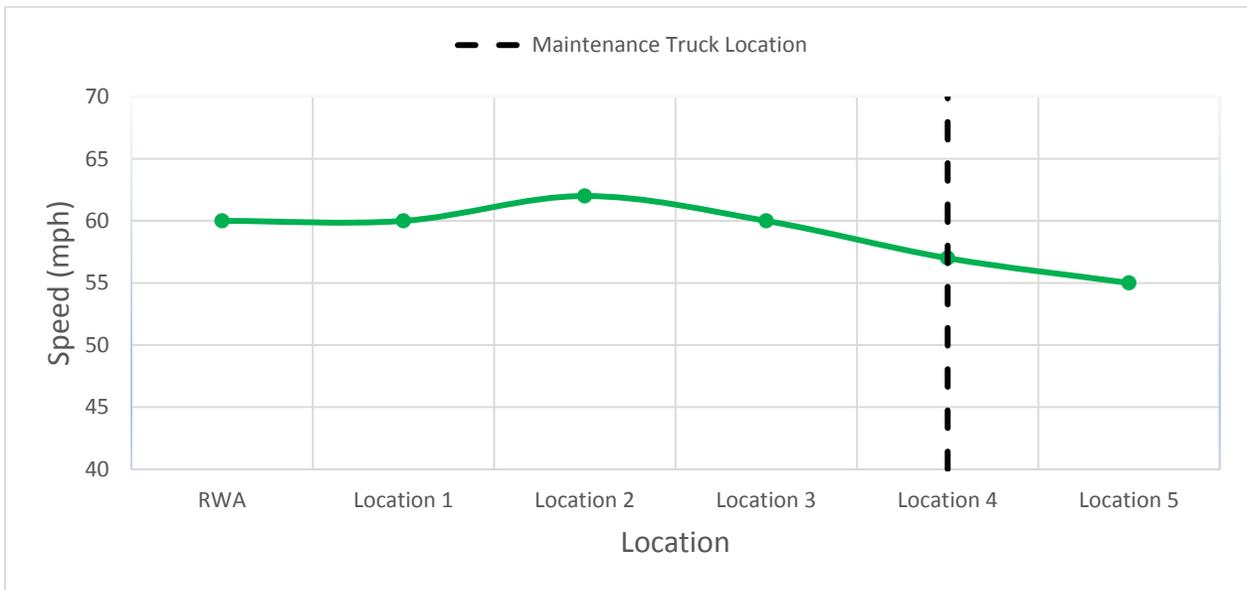


Figure E.53: Probe Vehicle, US-97, Spraying, With RSS, Trip 4