

APPENDIX A

SIMILAR TRIP SET SUMMARY DATA

As described in Chapter 3, only trips that involved the use of either CCC or ICC were used for the analysis of variance. In addition, each similar trip set considered was composed of at least one Conventional Cruise Control (CCC) trip and one Intelligent Cruise Control (ICC) trip. The screening resulted in 60 similar trip sets consisting of 103 CCC and 163 ICC trips. This appendix contains the trip summary data for these trips in two tables. The first table consists of the trips performed under CCC use while the second contains the trips performed with ICC use.

Table A-1 Conventional Cruise Control Similar Trip Set Summary Data

Set #	Driver	Trip	Time	Dist	Engage	ACCon	Set	Coast	Resume	Accel	Brake	Cancel	CCBi	CCNe
1	3	19	22.200	25.200	0.360	2	2	2	0	1	19	0	0	0
1	3	22	22.900	25.200	0.560	3	4	3	0	3	15	7	2	0
2	5	35	17.900	20.600	0.130	1	1	0	1	0	43	2	0	0
3	6	25	11.000	11.000	0.390	1	1	8	0	6	13	0	1	0
4	9	12	38.200	54.800	0.610	1	1	1	1	1	20	0	0	1
4	9	38	36.700	54.700	0.800	1	1	3	0	1	13	0	0	0
4	9	42	35.500	54.700	0.410	1	1	0	1	1	13	0	0	0
5	9	16	50.600	57.000	0.170	1	2	3	5	0	36	0	0	0
6	10	16	39.800	45.600	0.420	1	1	1	0	2	56	0	0	0
7	12	4	10.300	13.000	0.470	1	1	1	0	0	23	0	1	0
8	12	5	14.900	15.100	0.170	1	1	1	0	3	34	0	0	0
8	12	37	16.600	15.400	0.410	1	1	1	1	5	34	0	1	0
8	12	50	17.400	15.100	0.210	1	1	2	1	1	31	0	1	0
9	12	21	13.100	10.200	0.370	2	2	2	0	0	23	0	2	0
10	14	4	57.500	36.700	0.360	1	1	4	1	5	106	1	0	0
10	14	14	41.600	36.800	0.320	1	4	5	0	5	57	4	1	1
11	14	15	37.700	36.600	0.550	1	8	15	0	20	61	7	2	1
12	14	16	28.500	36.500	0.510	1	3	7	2	14	35	2	2	0
13	17	3	9.100	9.800	0.290	1	1	2	1	4	7	0	0	0
14	17	5	17.700	21.300	0.740	1	0	12	1	11	15	0	0	1
14	17	15	19.700	21.300	0.720	2	0	2	1	4	17	0	1	0
14	17	28	20.800	21.400	0.720	1	1	1	0	0	14	0	1	3
15	19	3	29.000	32.900	0.520	1	3	5	3	9	33	0	2	0
16	20	5	19.900	15.900	0.530	1	1	1	3	5	27	0	1	0
16	20	13	18.500	15.900	0.550	1	1	0	2	3	24	0	0	0
17	21	18	25.300	16.300	0.080	1	1	1	1	1	44	0	0	0
18	23	19	18.200	23.600	0.320	1	1	1	0	0	17	0	0	0
19	30	6	32.400	24.400	0.250	1	2	5	0	0	34	0	0	1
19	30	21	35.500	24.500	0.260	1	1	1	0	0	30	0	0	0
19	30	25	39.000	23.400	0.240	1	1	1	0	0	41	0	0	0
20	30	24	31.900	24.400	0.070	1	1	1	0	0	60	0	1	0
21	33	4	30.200	20.700	0.300	1	1	1	0	4	34	0	0	0
22	33	10	26.400	27.700	0.530	2	2	1	0	0	24	0	0	0
23	39	2	12.000	10.900	0.260	1	0	1	2	2	24	0	1	0
23	39	8	12.000	11.000	0.520	1	1	1	3	3	22	0	0	0
23	39	14	11.400	10.900	0.110	1	1	1	0	0	24	0	0	0
24	41	42	38.700	52.900	0.050	1	1	5	0	1	69	2	0	1
25	43	5	15.100	8.400	0.350	1	2	2	1	4	29	0	0	2
25	43	9	12.300	8.300	0.190	1	1	1	1	1	24	0	1	0
25	43	13	12.800	8.400	0.260	1	1	1	0	1	27	0	0	0
25	43	17	23.100	8.600	0.020	1	1	1	0	0	51	0	1	0
25	43	23	10.000	8.200	0.470	1	2	3	3	4	22	0	2	2
26	43	6	17.000	8.200	0.450	1	2	1	1	1	17	0	1	0
26	43	10	12.900	8.200	0.480	1	1	1	0	3	13	0	1	0
26	43	14	10.500	8.200	0.510	1	1	1	0	0	12	0	1	0
27	43	7	14.300	8.400	0.520	1	1	1	4	2	13	0	0	0
27	43	15	25.900	8.300	0.620	1	2	2	0	0	17	0	1	0
28	43	8	24.500	18.900	0.420	3	2	2	3	8	33	0	3	1
28	43	16	27.200	8.800	0.430	1	3	3	2	5	35	1	1	1
29	47	20	15.900	17.000	0.490	1	2	2	0	0	25	0	1	0
30	47	21	15.400	16.400	0.400	2	2	1	2	1	21	0	2	2
31	53	6	35.900	36.800	0.420	1	3	5	0	1	64	0	3	1
31	53	15	31.700	36.800	0.090	1	1	1	0	0	66	0	0	0

31	53	27	32.900	36.800	0.190	1	3	3	1	0	56	0	2	0
32	53	14	29.500	30.000	0.160	1	1	1	0	0	68	0	1	3
32	53	26	28.700	34.600	0.180	1	1	1	0	0	38	0	0	0
33	53	16	39.300	52.800	0.350	2	4	4	0	0	34	0	2	2
33	53	41	39.900	52.800	0.060	1	2	3	0	0	55	0	0	1
34	59	56	22.400	22.900	0.020	1	1	1	1	1	62	0	0	0
35	60	16	13.700	17.600	0.450	1	1	1	1	4	21	1	0	1
35	60	23	15.100	17.700	0.350	1	1	1	0	4	19	0	1	3
36	60	24	20.100	17.100	0.450	1	1	1	2	2	30	0	1	2
37	74	2	14.400	11.800	0.550	1	1	2	1	5	18	0	0	1
37	74	16	13.000	12.100	0.580	1	1	5	2	4	29	0	0	1
37	74	22	12.700	11.900	0.530	1	1	1	0	1	26	0	0	0
37	74	24	13.300	12.000	0.610	4	3	5	3	4	23	4	0	1
38	74	23	16.300	11.600	0.120	1	0	1	1	4	22	0	0	0
38	74	25	19.500	11.600	0.220	2	2	3	2	5	36	2	0	1
39	76	21	75.600	116.300	0.670	1	2	14	11	17	42	1	2	3
39	76	25	74.800	116.300	0.480	1	1	6	5	4	31	0	0	1
40	76	22	25.700	33.500	0.320	1	2	7	3	6	22	2	0	0
41	78	30	96.100	147.600	0.870	1	1	6	6	6	38	0	3	2
42	78	34	86.700	148.100	0.880	1	1	4	4	4	31	0	0	1
43	79	43	15.900	20.500	0.410	2	1	9	0	5	16	0	2	1
44	80	10	23.500	21.300	0.002	1	1	1	0	0	28	0	0	0
45	84	12	63.100	87.100	0.510	1	15	104	12	62	65	0	5	1
45	84	17	62.700	87.000	0.480	1	14	66	5	37	59	0	5	0
45	84	23	65.900	87.500	0.250	1	11	54	3	35	75	0	0	1
46	87	32	35.600	50.400	0.570	1	5	4	0	2	31	1	3	2
47	88	25	10.700	13.500	0.780	2	2	16	2	6	15	1	1	0
48	88	28	11.000	13.500	0.670	3	2	2	2	3	14	0	3	0
49	88	45	36.000	34.000	0.400	6	6	9	6	7	50	0	3	0
50	89	3	45.700	47.700	0.490	1	1	0	3	4	66	3	1	2
51	89	24	37.000	47.800	0.660	1	1	1	2	2	49	4	0	1
51	89	41	33.600	47.200	0.470	1	1	1	5	1	27	6	1	1
52	91	23	16.300	13.900	0.640	1	6	5	3	3	22	1	1	3
53	100	13	31.700	25.300	0.420	1	1	4	2	2	27	0	2	0
54	103	26	57.000	76.000	0.390	1	3	3	2	7	32	0	0	0
54	103	29	54.000	75.700	0.350	1	2	26	2	3	26	0	1	1
54	103	34	53.400	75.700	0.390	1	2	12	0	1	22	0	1	0
55	105	3	36.800	56.200	0.470	1	2	13	1	3	21	0	0	0
55	105	19	36.200	56.200	0.410	1	1	7	3	3	20	0	0	4
56	110	2	16.300	15.300	0.610	1	1	1	0	2	29	0	0	0
56	110	6	16.700	14.900	0.030	1	2	2	0	1	35	0	1	0
56	110	28	13.400	15.000	0.450	1	1	10	2	6	27	0	0	0
57	110	4	42.200	60.900	0.310	1	2	3	2	11	36	0	0	0
57	110	16	40.200	52.000	0.560	2	3	10	0	6	33	0	1	0
57	110	25	39.500	38.300	0.040	1	1	0	0	0	58	0	1	0
57	110	30	40.600	38.200	0.010	1	2	2	2	2	69	0	1	0
58	110	11	34.800	51.000	0.670	1	1	3	3	7	27	0	1	0
59	111	46	44.500	65.200	0.430	1	1	1	0	2	27	0	0	0
60	117	20	27.500	26.400	0.320	1	1	1	0	2	26	1	1	0
60	117	29	30.400	27.100	0.220	1	1	1	0	0	35	0	1	1

Table A-2 Intelligent Cruise Control Similar Trip Set Summary Data

Set1	Driver	Trip	Time	Dist	Engage	ACCOn	Set	Coast	Resume	Accel	Brake	Cancel	CCBi	CCNe
1	3	24	21.800	25.200	0.610	2	4	17	1	8	17	1	4	0
1	3	26	22.700	25.200	0.560	1	3	3	0	2	19	3	1	1
1	3	31	21.700	25.200	0.510	2	3	4	0	3	23	3	2	1
1	3	37	22.700	25.200	0.480	1	1	3	2	5	20	0	3	2
2	5	84	16.800	20.600	0.460	1	1	1	2	1	23	1	0	0
3	6	28	10.000	11.000	0.390	1	1	1	0	2	16	0	1	0
3	6	34	10.000	10.900	0.480	1	1	0	1	0	18	0	2	0
3	6	45	11.600	11.000	0.380	1	1	1	1	1	20	0	2	0
3	6	47	10.600	11.000	0.500	1	1	1	1	2	19	0	2	0
3	6	49	10.100	11.000	0.470	1	2	1	0	1	16	0	2	0
4	9	49	36.700	54.700	0.860	1	1	1	3	11	14	0	1	0
4	9	54	35.600	54.700	0.860	3	3	7	3	12	18	0	2	6
4	9	58	35.300	54.700	0.790	1	1	1	0	2	15	0	0	1
4	9	84	34.200	54.700	0.760	2	2	3	0	3	19	0	0	0
5	9	53	43.800	57.100	0.780	1	1	1	0	3	34	0	1	0
5	9	57	41.400	56.800	0.750	1	1	1	1	1	29	0	0	0
5	9	85	39.100	56.800	0.560	1	1	1	0	0	32	0	0	0
6	10	48	38.700	45.600	0.150	1	2	1	0	2	56	2	0	0
7	12	62	13.200	13.100	0.010	2	1	1	0	0	20	0	0	2
8	12	58	45.000	25.600	0.280	1	3	5	0	5	79	1	1	0
8	12	102	16.300	15.400	0.520	1	1	1	1	2	28	0	1	0
9	12	76	13.300	10.300	0.400	2	2	2	0	0	22	0	1	0
10	14	24	39.300	36.600	0.400	1	1	0	2	3	69	0	3	3
11	14	25	36.800	36.500	0.740	2	4	6	3	26	60	2	4	6
12	14	21	33.300	36.500	0.400	2	4	4	0	2	36	2	0	2
12	14	28	35.000	36.700	0.490	1	1	2	2	6	46	4	2	1
12	14	46	38.900	36.500	0.400	1	1	0	0	0	54	0	0	0
13	17	34	10.300	9.800	0.840	1	2	5	2	12	10	0	0	0
13	17	43	9.000	9.600	0.690	1	1	0	3	2	8	0	1	2
13	17	47	9.100	9.700	0.680	1	3	1	4	1	10	0	1	0
13	17	66	9.500	9.700	0.380	1	3	4	1	9	15	0	0	0
14	17	35	21.700	24.900	0.660	1	1	1	0	3	23	0	0	1
14	17	44	20.300	21.400	0.740	1	1	1	0	4	25	0	1	0
14	17	48	20.600	21.400	0.730	1	1	1	0	2	23	0	1	0
14	17	53	17.700	21.300	0.780	1	1	2	0	18	19	0	0	0
14	17	68	19.900	21.300	0.730	1	1	0	0	4	21	0	1	0
15	19	40	32.100	32.700	0.440	1	12	15	0	10	32	0	4	1
15	19	72	29.100	38.500	0.690	1	3	4	1	7	27	0	0	0
16	20	53	19.000	15.800	0.620	1	1	0	4	7	26	0	0	0
17	21	37	26.500	16.300	0.370	2	2	4	11	14	47	0	0	0
17	21	45	23.600	16.300	0.220	2	2	4	6	3	46	0	0	0
18	23	27	18.200	23.700	0.650	3	2	2	0	0	12	0	1	0
18	23	36	21.200	23.700	0.800	1	1	1	0	0	15	0	1	0
18	23	49	26.400	23.700	0.780	2	2	2	2	2	15	1	0	0
19	30	34	35.000	23.400	0.270	1	1	1	0	0	36	0	0	0
19	30	40	40.600	24.500	0.280	2	3	6	0	0	38	1	2	0
19	30	48	37.500	23.400	0.280	1	1	1	0	0	39	0	0	0
20	30	39	30.000	25.900	0.140	1	1	1	0	0	46	0	0	0
20	30	74	29.100	25.800	0.120	2	2	1	0	2	62	0	0	0
21	33	64	19.000	23.500	0.580	1	1	0	0	2	14	1	0	0
22	33	61	21.800	27.500	0.540	3	3	1	0	4	19	3	0	0
23	39	32	10.600	10.900	0.100	1	1	1	0	0	14	0	0	0
23	39	36	14.500	11.000	0.370	1	2	2	3	5	27	0	0	1

23	39	41	9.600	9.300	0.530	1	1	0	3	1	10	0	2	0
23	39	58	11.500	10.900	0.200	1	1	0	1	3	20	0	0	0
23	39	61	11.600	10.900	0.610	1	2	2	3	2	20	0	3	0
24	41	48	43.800	53.100	0.008	3	1	1	0	0	79	1	0	0
25	43	33	12.800	8.300	0.190	1	1	1	0	0	20	0	1	0
25	43	39	13.700	8.300	0.480	1	1	1	1	3	27	0	0	1
25	43	48	11.600	8.200	0.640	1	1	1	3	3	18	0	0	0
25	43	54	16.000	8.300	0.230	3	2	2	0	3	32	0	0	0
25	43	62	15.300	8.400	0.360	1	1	1	0	0	28	0	1	0
26	43	25	11.200	8.200	0.620	1	1	1	0	9	13	0	0	0
26	43	34	10.400	8.200	0.510	1	1	1	0	2	13	0	1	1
26	43	40	11.400	8.300	0.590	1	1	1	0	6	16	0	1	0
26	43	51	9.900	8.200	0.630	1	1	1	1	6	12	0	1	0
26	43	56	11.900	8.200	0.120	1	1	1	0	0	12	0	0	0
26	43	63	11.500	8.200	0.110	1	1	1	2	1	15	0	0	0
27	43	30	15.500	8.300	0.420	1	1	1	0	0	13	0	1	1
27	43	35	14.300	8.200	0.640	1	1	1	1	1	17	0	1	0
27	43	52	13.100	8.300	0.620	1	1	1	1	1	19	0	2	1
27	43	57	9.700	8.200	0.670	1	1	1	1	2	16	0	1	1
28	43	31	12.300	8.300	0.530	1	1	1	0	8	17	0	1	1
28	43	53	11.200	8.100	0.670	1	1	1	0	10	14	0	1	0
28	43	61	14.500	8.200	0.330	1	1	1	0	5	16	0	1	0
28	43	65	11.800	8.200	0.560	1	1	1	1	10	15	0	1	0
28	43	69	10.500	8.200	0.520	1	1	1	0	7	11	0	1	0
29	47	56	16.200	17.000	0.500	1	3	3	1	1	20	0	2	0
30	47	57	15.600	16.500	0.520	1	3	3	1	1	20	0	3	0
31	53	76	31.500	36.700	0.220	2	3	3	1	0	68	0	1	0
32	53	69	29.500	29.900	0.190	1	1	1	1	1	49	0	2	1
33	53	59	39.700	52.800	0.580	3	7	11	2	1	36	0	2	1
33	53	72	39.200	52.800	0.130	1	3	3	0	0	49	0	3	0
33	53	77	39.600	52.800	0.480	2	4	4	0	0	45	2	3	1
34	59	66	26.100	24.600	0.540	3	17	11	2	64	59	1	4	4
34	59	75	22.400	22.900	0.150	1	2	1	0	13	38	0	2	2
34	59	83	19.200	23.000	0.710	1	6	5	0	27	32	1	0	3
35	60	25	14.300	17.700	0.600	1	1	1	0	1	18	0	1	0
35	60	37	20.400	20.700	0.110	2	2	2	0	5	27	0	0	1
35	60	56	15.000	17.800	0.590	1	1	1	0	1	26	0	1	2
36	60	57	15.500	17.000	0.590	1	1	1	0	4	28	0	1	0
37	74	36	13.700	11.700	0.640	1	1	1	0	2	22	0	0	1
37	74	39	14.000	11.800	0.350	1	1	2	0	2	22	0	0	0
37	74	41	12.000	12.000	0.500	1	1	2	2	5	20	0	1	1
38	74	37	15.700	11.500	0.300	1	1	1	1	2	25	0	0	0
38	74	40	12.100	11.400	0.220	1	1	1	3	2	14	0	2	0
39	76	71	71.800	116.300	0.860	2	2	5	10	22	31	5	6	2
39	76	153	71.800	116.300	0.720	1	3	6	8	18	27	8	4	4
39	76	158	70.900	116.300	0.710	1	1	2	5	4	35	0	2	2
40	76	72	21.500	33.300	0.720	1	2	3	4	14	17	3	3	2
40	76	77	21.600	33.400	0.640	2	2	4	2	10	21	0	1	1
40	76	94	22.300	33.500	0.720	2	1	8	1	12	16	1	2	1
40	76	98	21.400	33.300	0.770	1	1	1	5	6	18	2	2	1
40	76	120	21.500	33.300	0.400	1	2	1	5	6	27	0	4	0
40	76	128	23.300	33.300	0.720	1	1	1	2	2	27	2	1	0
40	76	154	21.300	33.400	0.810	1	1	5	1	12	14	0	2	1
41	78	44	92.100	149.000	0.510	3	5	5	4	10	47	2	2	0
41	78	85	87.100	148.700	0.870	1	3	4	5	5	35	1	2	0
41	78	125	90.900	147.500	0.890	3	2	5	2	6	30	0	1	1

41	78	129	84.400	147.700	0.880	1	1	5	3	7	30	0	2	1
41	78	159	87.400	148.800	0.860	1	1	3	3	5	38	0	3	4
41	78	170	84.100	147.500	0.890	1	1	3	2	4	28	0	1	1
42	78	79	97.400	148.300	0.790	1	2	2	6	7	77	0	1	3
42	78	86	89.600	148.900	0.840	1	3	3	6	3	48	0	1	4
42	78	160	88.200	148.900	0.870	1	1	5	4	5	38	0	2	0
42	78	173	87.800	148.300	0.850	3	2	7	5	8	36	0	1	1
43	79	79	22.200	20.500	0.480	1	1	1	2	4	22	0	2	2
44	80	16	41.500	21.900	0.270	1	1	1	5	9	64	0	0	0
45	84	28	61.600	86.900	0.680	1	10	48	5	101	61	0	7	4
45	84	33	64.900	87.100	0.630	1	10	33	5	46	66	0	6	1
46	87	72	42.300	52.700	0.560	1	3	1	0	0	46	0	3	1
47	88	63	13.700	14.300	0.640	1	1	16	1	8	27	0	1	0
47	88	112	11.200	13.800	0.760	1	1	6	1	2	12	0	1	0
47	88	190	9.900	13.300	0.810	3	3	14	1	16	9	1	1	0
47	88	204	11.300	13.900	0.650	2	2	8	3	7	12	0	0	0
48	88	46	9.600	13.300	0.800	2	2	3	2	3	13	0	2	0
48	88	57	10.500	13.500	0.800	2	2	2	1	6	10	2	1	0
48	88	64	10.300	13.400	0.860	1	1	1	1	9	11	0	0	0
48	88	78	9.900	13.400	0.880	1	1	13	2	13	10	1	1	1
48	88	113	10.800	13.400	0.750	1	1	4	2	9	11	0	2	0
48	88	160	11.100	13.400	0.850	2	2	4	2	10	10	2	1	1
48	88	194	10.300	13.400	0.780	2	2	13	0	6	9	1	2	0
48	88	196	10.300	13.400	0.850	2	2	19	3	18	8	1	1	0
48	88	205	10.100	13.200	0.820	2	3	14	3	10	9	2	1	1
49	88	48	12.200	13.500	0.750	1	1	4	2	4	17	0	2	0
50	89	245	37.100	47.100	0.610	1	1	3	3	4	59	1	3	1
50	89	259	32.900	47.200	0.560	2	2	0	6	11	40	5	3	2
50	89	271	34.800	47.200	0.740	1	1	6	6	20	44	0	5	2
51	89	117	33.900	47.200	0.510	1	1	4	2	2	37	0	1	2
51	89	133	34.700	47.200	0.490	1	1	1	0	2	29	1	0	0
51	89	153	36.400	47.700	0.490	1	1	3	1	1	42	0	2	2
51	89	171	33.100	47.000	0.450	2	1	1	0	0	44	0	1	1
51	89	230	34.300	47.100	0.270	1	1	1	0	5	56	0	1	0
52	91	28	16.700	13.900	0.760	1	7	4	3	5	22	2	3	3
52	91	40	16.800	13.900	0.730	1	5	2	2	6	22	0	0	2
52	91	63	16.400	13.900	0.760	1	2	12	2	6	17	0	2	1
53	100	130	21.100	25.300	0.520	1	1	1	2	3	21	1	3	0
53	100	162	20.400	25.200	0.370	1	1	7	5	9	22	3	0	0
53	100	221	21.100	25.200	0.620	1	2	2	4	6	23	0	6	1
54	103	37	55.000	75.800	0.640	6	3	4	1	4	19	0	0	1
54	103	41	52.300	75.700	0.690	1	3	7	1	3	21	0	1	0
54	103	59	54.700	75.800	0.200	2	2	2	0	0	25	0	1	0
55	105	88	36.300	57.600	0.560	2	3	3	0	3	17	0	1	1
56	110	36	14.100	15.100	0.550	1	1	1	0	4	20	0	0	0
56	110	60	13.700	14.800	0.500	1	1	1	0	0	25	0	1	0
57	110	40	43.100	60.900	0.770	2	4	7	0	18	26	0	3	1
57	110	59	43.700	52.000	0.490	3	2	1	4	4	51	0	3	1
58	110	50	44.900	51.100	0.570	4	4	4	1	9	82	0	4	3
59	111	88	43.800	65.100	0.710	2	1	1	0	4	32	0	0	0
60	117	32	28.300	24.900	0.300	1	1	1	0	1	31	0	1	1
60	117	46	32.400	26.600	0.180	1	1	1	0	1	39	0	0	0
60	117	71	30.700	26.600	0.240	1	1	0	1	2	35	0	1	0
60	117	79	33.000	26.600	0.450	1	1	1	1	4	32	0	1	1