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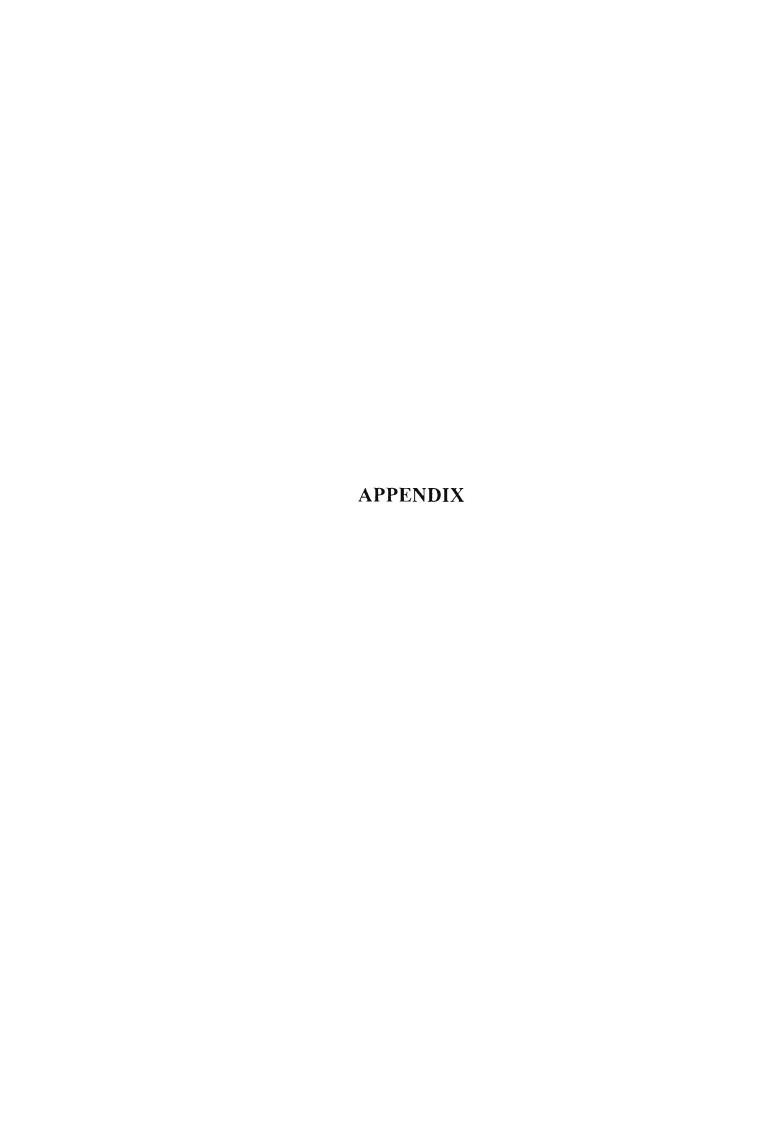Taylor, M.A.P., Woolley, J.E., and Zito, R. Immersion Reality: Combining Microsimulation Modeling and Probe Vehicles Traffic Studies, Proceeding of the 5th International IEEE Intelligent Transport System Conference, pp. 610-615, Singapore, 2002.

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APPENDIX

The "demand" file specified in Paramics V5

associated with Figure 3.4

Table 1 Demand file for traffic volume 4000veh/h
(All traffic volumes are in veh/h)

	To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	Total
From 1	0	199	36	21	22	23	22	21	35	18	29	0	426
From 2	200	0	21	21	35	26	35	34	36	34	29	9	480
From 3	9	12	0	9	12	12	9	168	10	3	12	12	268
From 4	8	8	8	0	12	10	10	15	172	12	16	11	282
From 5	12	13	12	14	0	6	7	16	12	201	12	8	313
From 6	11	12	16	12	13	0	8	12	11	9	199	7	310
From 7	12	18	18	15	14	14	0	11	7	14	0	210	333
From 8	18	17	222	21	23	9	9	0	13	9	4	8	353
From 9	9	12	16	210	24	7	21	5	0	0	5	7	316
From 10	8	8	4	19	180	17	18	12	12	0	6	6	290
From 11	12	12	14	13	14	190	16	7	8	12	0	3	301
From 12	12	23	13	22	16	15	189	13	12	5	8	0	328
												Total	4000

Table 2 Demand file for traffic volume 6000veh/h
(All traffic volumes are in veh/h)

	To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	Total
From 1	0	322	45	54	66	48	65	54	54	43	44	34	829
From 2	342	0	26	42	51	44	44	35	34	40	42	32	732
From 3	16	33	0	33	24	22	15	125	34	48	26	16	391
From 4	29	22	45	0	44	25	37	4	132	34	42	20	435
From 5	34	16	42	26	0	32	19	32	32	121	51	20	425
From 6	32	15	23	32	16	0	29	41	32	51	166	30	467
From 7	31	19	21	45	43	21	0	19	23	42	22	122	409
From 8	29	18	166	25	45	42	28	0	6	40	21	34	454
From 9	25	23	23	204	32	5	13	35	0	45	32	18	455
From 10	24	21	23	23	200	23	6	51	40	0	31	35	477
From 11	22	16	38	21	24	211	41	45	32	44	0	24	519
From 12	23	34	31	42	24	45	120	23	37	15	14	0	408
												Total	6000

Table 3 Demand file for traffic volume 8000veh/h
(All traffic volumes are in veh/h)

	To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	Total
From 1	0	484	55	78	32	40	45	28	30	50	47	43	932
From 2	422	0	23	33	40	34	39	35	54	56	38	50	824
From 3	32	43	0	56	28	28	28	146	40	50	52	25	528
From 4	45	34	45	0	44	48	48	38	240	30	50	46	669
From 5	44	44	40	63	0	63	24	28	24	160	32	40	562
From 6	40	43	33	52	52	0	49	50	29	34	188	65	636
From 7	50	47	43	50	54	45	0	47	25	22	65	187	635
From 8	22	77	140	40	44	34	43	0	35	47	35	40	557
From 9	25	32	45	256	47	32	48	51	0	34	51	44	665
From 10	23	32	25	71	289	20	45	32	34	0	40	39	650
From 11	24	34	35	30	75	246	72	28	42	43	0	34	663
From 12	50	41	43	40	32	44	210	40	50	84	45	0	679
												Total	8000

Table 4 Demand file for traffic volume 10000veh/h
(All traffic volumes are in veh/h)

	To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	Total
From 1	0	589	62	70	55	72	73	35	65	82	65	65	1233
From 2	510	0	77	51	81	84	65	50	66	65	89	66	1204
From 3	43	52	0	56	68	45	45	200	49	50	59	50	717
From 4	45	43	51	0	72	48	55	47	250	59	48	46	764
From 5	43	54	43	66	0	65	63	56	48	296	56	58	848
From 6	45	66	56	42	55	0	49	70	57	46	270	65	821
From 7	56	59	45	50	54	65	0	32	48	57	65	245	776
From 8	45	50	160	44	56	63	45	0	49	50	44	50	656
From 9	49	42	69	180	47	65	48	51	0	58	65	54	728
From 10	58	42	40	54	190	45	54	64	62	0	59	48	716
From 11	53	56	47	52	75	156	72	55	42	65	0	49	722
From 12	60	51	51	51	59	59	220	52	50	73	88	0	814
												Total	10000

Table 5 Demand file for traffic volume 12000veh/h
(All traffic volumes are in veh/h)

	To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	Total
From 1	0	704	94	64	69	89	100	35	94	89	105	87	1530
From 2	699	0	99	89	89	63	88	56	98	84	91	99	1555
From 3	77	23	0	86	33	78	66	216	44	82	80	41	826
From 4	68	90	91	0	96	14	86	35	270	65	145	68	1027
From 5	71	86	68	60	0	84	71	35	87	301	25	72	960
From 6	87	82	50	37	52	0	84	88	16	22	255	80	853
From 7	72	67	33	57	99	69	0	99	45	78	81	192	891
From 8	68	46	180	88	80	28	92	0	41	88	50	50	810
From 9	45	80	80	189	85	95	84	69	0	23	43	49	841
From 10	23	78	85	77	222	80	51	23	0	0	59	77	775
From 11	23	62	66	30	23	282	146	72	102	87	0	78	971
From 12	81	50	74	67	68	104	236	36	67	58	120	0	962
												Total	12000

BIOGRAPHY

Masria binti Mustafa was born in Negeri Sembilan, Malaysia on October 26, 1981. She was graduated from University of Science Malaysia in 2004 with Bachelor Degree in Civil Engineering. She has received the AUN/SEED-Net JICA Scholarship which enables her to start her Master Degree in Civil Engineering (Transportation Engineering) at Chulalongkorn University, Thailand in the same year. Upon graduation, Masria plans to further her PhD in Transportation Engineering related field before returning to work in Malaysia.