

Supplementary Information

No.	Data collection Interval	Reasoning
1	Weekdays (Monday - Friday)	
1.1	Morning peak hours (0730 – 0930 hr)	To represent the morning traffic peak hours flow pattern which includes the activity due to school going kids.
1.2	Lull hours (1000 – 1500 hr)	To incorporate the traffic patterns variation during lull hours in sampling
1.3	Evening peak hours (1600 – 1900 hr)	Evening peak hours are different from morning peak hours as traffic due to school activities is not included due to school timings
2	Weekends (Saturday & Sunday)	
2.1	Normal activity hours (0900 – 2100 hr)	To incorporate the variance in traffic flow characteristics on weekends in the sampled data

Table S1: Details of the data collection timing with reasons

Speed (km/h)	Acceleration (m/s/s)											Total
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	
5	0.00	0.00	0.00	0.00	0.00	0.02	10.66	6.10	0.44	0.06	0.00	17.28
10	0.00	0.00	0.00	0.00	0.01	0.22	0.98	0.99	0.30	0.01	0.00	2.51
15	0.00	0.00	0.00	0.02	0.01	0.33	0.93	1.25	0.42	0.09	0.00	3.05
20	0.00	0.00	0.02	0.00	0.06	0.41	0.89	1.48	0.73	0.06	0.00	3.65
25	0.00	0.05	0.02	0.09	0.07	0.50	0.67	2.40	0.33	0.01	0.00	4.08
30	0.00	0.00	0.07	0.11	0.17	0.52	1.44	3.53	0.46	0.02	0.00	6.32
35	0.00	0.00	0.06	0.00	0.26	0.61	1.68	4.12	0.34	0.00	0.00	7.08
40	0.00	0.01	0.00	0.02	0.15	0.73	2.52	4.75	0.22	0.00	0.00	8.38
45	0.00	0.00	0.02	0.04	0.05	0.52	2.83	5.12	0.13	0.00	0.00	8.71
50	0.00	0.00	0.00	0.04	0.12	0.36	3.58	5.22	0.03	0.00	0.00	9.35
55	0.00	0.00	0.02	0.00	0.07	0.27	2.61	3.12	0.05	0.00	0.00	6.14
60	0.00	0.00	0.00	0.02	0.01	0.20	1.16	1.81	0.02	0.00	0.00	3.22
65	0.00	0.00	0.00	0.00	0.03	0.14	1.64	2.50	0.02	0.00	0.00	4.32
70	0.00	0.00	0.01	0.01	0.04	0.14	2.33	3.48	0.01	0.00	0.00	6.01
75	0.00	0.00	0.00	0.01	0.00	0.05	3.56	3.58	0.00	0.00	0.00	7.20
80	0.00	0.00	0.00	0.00	0.00	0.02	1.36	1.16	0.00	0.00	0.00	2.53
85	0.00	0.00	0.00	0.01	0.00	0.00	0.09	0.06	0.00	0.00	0.00	0.16
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.05	0.20	0.36	1.05	5.04	38.93	50.65	3.52	0.25	0.00	100.00

Table S2: Normal distribution of speed-acceleration data for streets, arteries and highways

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