

## Mixed traffic trajectory data – Legend

October 14, 2014

The trajectory data is shared publically at the address: <http://toledo.net.technion.ac.il/downloads/>

When using this data, please use the following reference:

Kanagaraj V., Asaithambi G., Toledo T. and Lee T.-C., **Trajectory data and flow characteristics of mixed traffic**, paper presented at the 94th Annual Meeting of the Transportation Research Board, Washington DC, January 2015.

The data is presented in two parts - two excel files for the data collected in the periods 2:45 – 3:00 PM and 3:00 – 3:15 PM, respectively, on February 13, 2014. Each excel sheet contains 12 columns of data:

Column	Item	Remarks
1	Vehicle number	Consecutive numbers. Numbers are not matched between the two files
2	Vehicle type	1 – Motorcycle 2 – Car 3 – Bus 4 – Truck 5 – Light commercial vehicle 6 – Auto-Rickshaw
3	Time (seconds)	Time from beginning of recording (0 is at 2:45PM and 3:00PM, respectively). The time interval is 0.5 seconds.
4	Vehicle length (meters)	
5	Vehicle width (meters)	
6	Longitudinal position (meters)	Position of the front of the vehicle. Measured from the upstream end of the section
7	Longitudinal speed (meters/second)	Instantaneous speed of the vehicle.
8	Longitudinal acceleration (meters/second <sup>2</sup> )	Instantaneous acceleration of the vehicle.
9	Lateral position (meters)	Position of the center of the vehicle. Measured from the left-most side of the roadway.
10	Lateral speed (meters/second)	Instantaneous speed of the vehicle. Positive (negative) values represent movement to the right (left).
11	Lateral acceleration (meters/second <sup>2</sup> )	Instantaneous acceleration of the vehicle.
12	Flag	Represents manual correction of data points where overlap among vehicles occurred. 0 – No correction 1 through 7 – Data was manually modified to eliminate overlap with other vehicles. It is suggested that these observations will not be used for microscopic-level analysis