USER'S GUIDE

- *Running a siumlation for testing*

    1. Open PROJECT_testing.mod using SIGMA
    2. Select seed in RUN options menu
    3. Select lane capacity by changing its value in:
        - Initial value of S
        - Value in FINISH to CLOSE edge
        - Value in LANES event.
    4. Run simulation in step mode
    5. Trace output generated

- *Running a siumlation to collect data (total runs = 180)*

    1. Open PROJECT_data16.mod using SIGMA
    2. Select seed #1 in RUN options menu & select name 1.OUT
    3. Run simulation in High Speed
    4. Repeat steps 2 and 3 for subsequent seeds & corresponding file names
    5. Combine the 30 (e.g. 1.OUT, 2.OUT,…30.OUT) files generated into a single text file named 16.txt
    6. Import file data into EXCEL
    7. Repeat steps 1-6 with rest of mod files (PROJECT_dataX.mod, X=18,20,22,24,26) and appropriate naming (e.g. X.txt)

- *Running a siumlation for sensitivity (total runs = 36)*
    - Do the procedure for:
        - Mean Intearrivarrival time = 4.5 (edge ARRIVE-ARRIVE)
        - Mean Intearrivarrival time = 3.5 (edge ARRIVE-ARRIVE)
        - Mean Bowling Time = 35 K (edge START-FINISH)
        - Mean Bowling Time = 25 K (edge START-FINISH)
        - Standard Deviation Bowling Time = 5K (edge START-FINISH)
        - Standard Deviation Bowling Time = 3K (edge START-FINISH)

    1. Open PROJECT_data_7using SIGMA
    2. Select seed 12345 in RUN options menu
    3. Change the desired paramter appropriately in the event graph
    4. Run simulation in High Speed
    5. Copy output to EXCEL
    6. Repeat steps 1-5 with different capacity (18,20,22,24,26) and changing in it appropriately in the event graph (intial S and FINISH-CLOSE edge S)

List of seeds

n	Seed
1	12345
2	16807
3	34981
4	60193
5	45819
6	59231
7	29227
8	39839
9	12393
10	63913
11	51213
12	24231
13	31623
14	10209
15	62065
16	27491
17	46177
18	36939
19	50257
20	61551
21	2549
22	5325
23	41499
24	13091
25	8863
26	7575
27	9201
28	19301
29	51197
30	44597