

Experiment 2021_5_21_11557

Experiment Details

Car Mixture

AV: 106

HV: 177

No Label: 0

Active Reservation Nodes

[11, 12, 14, 15] - 53 cars

[5, 4, 16, 17] - 81 cars

[7, 6, 8, 9] - 75 cars

[19, 18, 2, 1] - 53 cars

AV Car Spawner: 34

HV Car Spawner: 57

No Label: 0

Cars Simulated: 283

Comparison of Experiment Metrics

	w/ Reservation Nodes	w/ Traffic Lights	w/ Safe Distance and 4 Way Intersection
Waiting Time	52	91	56
No. of Brakings	87	228	42
Braking per 1000 cars per min	4190.6	17423.2	2453.07
Avg. Safe Distance (AV)	19	18	18
Avg. Safe Distance (HV)	17	17	17
Total Simulation Time (s)	90.1	90.1	90.1
Reached Destination	21	0	0

Open `"/output/experiment_results/100_percent_capacity/AVHV_Reservation_Nodes/"` for distributions and graphs of Experiment with RN

Open `"/output/experiment_results/100_percent_capacity/AVHV_Traffic_Lights/"` for distributions and graphs of Experiment with TL

RN - Reservation Nodes

TL - Traffic Lights

CAWSD4WI - Collision Avoidance with Safe Distance and 4 Way Intersection