Experiment 2021_4_29_115119

Experiment Details

Car Mixture

AV: 124

HV: 136

No Label: 0

AV Car Spawner: 40

HV Car Spawner: 43

No Label: 0

Active Reservation Nodes

[11, 12, 16, 17] - 67 cars

[5, 4, 2, 1] - 39 cars

[7, 6, 2, 1] - 77 cars

[19, 18, 16, 17] - 67 cars

Comparison of Experiment Metrics

	w/ Reservation Nodes	w/ Traffic Lights	w/ Safe Distance and 4 Way Intersection
Waiting Time	961	68	80
No. of Brakings	1177	26	25
Avg. Braked Cars per min	1121.94	108.37	60.73
Avg. Safe Distance (AV)	8	7	6
Avg. Safe Distance (HV)	0	15	14
Total Simulation Time (s)	180.1	180.1	180.1

Open "./output/experiment_results/AVHV_Reservation_Nodes/" for distributions and graphs of Experiment with RN

Open "./output/experiment_results/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