Experiment 2021_5_15_14130

Experiment Details

Car Mixture

AV: 122

HV: 164

No Label: 0

AV Car Spawner: 41

HV Car Spawner: 57

No Label: 0

Active Reservation Nodes

[11, 12, 16, 17] - 74 cars

[5, 4, 2, 1] - 50 cars

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

[19, 18, 2, 1] - 74 cars

Comparison of Experiment Metrics

	w/ Reservation Nodes	w/ Traffic Lights	w/ Safe Distance and 4 Way Intersection
Waiting Time	27	31	14
No. of Brakings	0	63	1
Avg. Braked Cars per min	737.4	385.8	97.5
Avg. Safe Distance (AV)	18	16	18
Avg. Safe Distance (HV)	0	22	21
Total Simulation Time (s)	20.0	20.0	20.0

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