Experiment 2021_4_19_9274

Experiment Details

Car Mixture

AV: 125

HV: 130

No Label: 0

AV Car Spawner: 43

HV Car Spawner: 46

No Label: 0

Active Reservation Nodes

[11, 12, 16, 17] - 62 cars

[5, 4, 8, 9] - 71 cars

[7, 6, 14, 15] - 56 cars

[19, 18, 16, 17] - 62 cars

Comparison of Experiment Metrics

	w/ Reservation Nodes	w/ Traffic Lights	w/ Safe Distance and 4 Way Intersection
Waiting Time	87	0	36
No. of Brakings	235	0	23
Avg. Braked Cars per min	941.57	0.0	63.75
Avg. Safe Distance (AV)	13	4	8
Safe Distance (HV)	83652058690584420103505507809387894566189914960107394730072501844026715803589767455087600341324085428346171015823336		
Total Simulation Time (s)	80.1	8.1	80.1

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

Open "./output/experiment_results/AVHV_CAwSD4WI/" for distributions and graphs of Experiment with CAwSD4WI

RN - Reservation Nodes

TL - Traffic Lights

CAwSD4WI - Collision Avoidance with Safe Distance and 4 Way Intersection