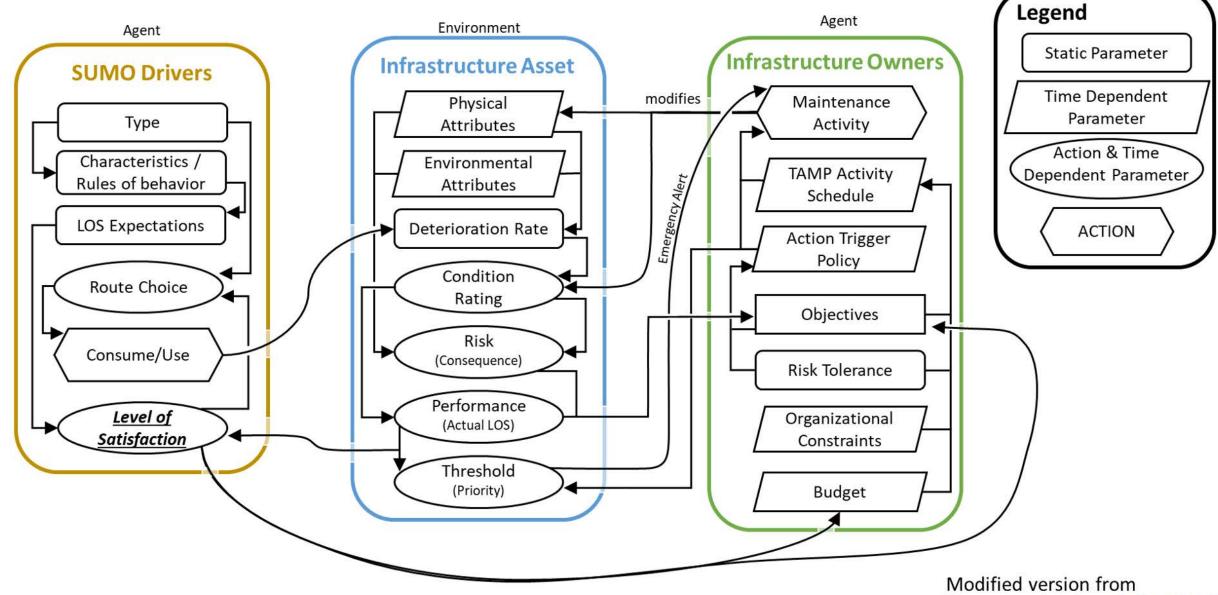
HOME



Introduction leads to why this model

Problem Statement

Why this model helps at all?

Questions to be answered

Others for now

Other papers or projects similar

Literature Review

Papers By Topic

ABM and Hybrid Models

Etc..

Virtual Network

Virtural Network

Description of virtual network

Why SUMO

Components

Physical layout – OSM

Roadway parameterization

Names; lane width, max speed; permissions; etc...

Virtural Network

Show Dataframe

O agent HQ locations

Users Routes veh per hour types etc...

Description_of_Network_Demand

Calibrators

Data sources

Specific roadway flow counts

Virtural Network

Vehicle type distribution

Routes

Try without and see if we can go for a longer

Dynamic User Assignment

Infrastructure Asset Own Agent

Description of Owner Agent Purpose Capabilities

Operation Research Scheduling Decision Module

Virtural Network

Description of how the schedule will be made inputs outputs

Scenarios to run

Objective Function

Constraints

metrics

Virtual Network Modification Module Python Code

Description of how O agent interacts with V network

True to constraints of OR Schedule

Physical Representation of workforce enforces logic controls

Work crews like buses with special stops

Virtural Network

TRAci Python SUMO Interface

Link back to net work parameters

HOME

O agent collects simulation network run data for OR module

Frequency and Accuracy of update based on agent characteristics