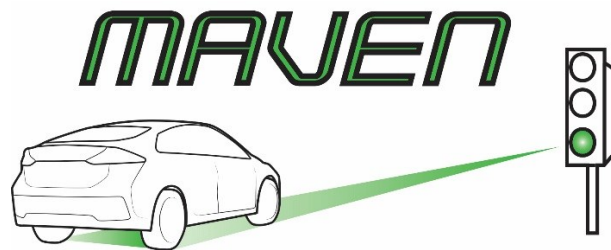# MAVEN

Managing Automated Vehicles Enhances Network

Deliverable nº: 4.2:

Scheduling and signal timing strategy simulation prototype

Dissemination level: Public

Version	Date	Release	Approval
1.0	23-02-2018	Robbin Blokpoel (DYN)	Jaap Vreeswijk (MAP)

1   Demonstrator deliverable

This deliverable is classified as a demonstrator. However, the ECAS portal does not allow submission of video's and therefore this document serves to provide a link to the actual videos of this deliverable. The infrastructure systems demonstrated in the video are further described in D4.1 and the communication between vehicle and infrastructure in D5.1.

The first video uses professional animations and targets a broad audience to explain the key benefits of the MAVEN use cases that can be provided thanks to the new signal timing strategy.

The second video shows the actual system in a simulation environment. Like described in D2.2, the simulation architecture uses the same software for the traffic light controller as for a real-world deployment. Therefore, the vehicles, their communication and triggering of loop detectors are the only elements that are really simulated.

Both videos can be found here:
http://adas.cvc.uab.es/maven/2018/02/23/infrastructure-simulation-video-released/

The work on Simpla for simulation on automated vehicles in SUMO is already released in SUMO versions 0.30 and later. Since this is open source and can be downloaded and tested in any scenario following the instructions at: http://sumo.dlr.de/wiki/Simpla