

## ACTIVE-AURORA CAV Demo

### What is ACTIVE-AURORA?

ACTIVE-AURORA is Canada's first connected vehicle test bed network, established with the collaborative support of Transport Canada, Alberta Transportation, City of Edmonton, the University of Alberta Centre for Smart Transportation, University of British Columbia and several industry partners. ACTIVE refers to the Edmonton test beds, while AURORA refers to the Vancouver test beds.

In Edmonton, phase one of ACTIVE-AURORA includes segments of three roadways—Anthony Henday Drive, Whitemud Drive, and 23<sup>rd</sup> Ave—which are equipped with roadside equipment, enabling communication between vehicle and infrastructure. These roadside equipment enable communication between vehicles and with infrastructure such as traffic lights. Phase two of ACTIVE-AURORA is now underway and includes a new connected and automated vehicle (CAV) test track at University of Alberta South Campus.

### What Will Be Demonstrated?

You will receive a brief introduction about ACTIVE-AURORA and the CAV applications that will be demonstrated along Edmonton roads and at the University of Alberta South Campus CAV test track. In this demonstration, connected vehicles will be used to showcase a variety of applications illustrating the potential of CAV technology.



Sample interface used to convey information about the roadway environment.



The South Campus CAV test track facility includes one connected vehicle (CV) and one automated vehicle (AV) test track.