

Terms of Reference: Transportation Innovation

Council Term:	2017-2021 Council Term
City Council Sponsor(s):	Councillor T. Cartmell Councillor A. Knack
Supporting Department:	Urban Form and Corporate Strategic Development
Administration Lead:	Leanne McCarthy / Stephanie McCabe / Peter Ohm
Initiative Status:	Existing

Mandate

In alignment to the Smart City strategic direction, the Transportation Innovation initiative will support and enhance how people and goods move around Edmonton by using technology, innovation and collaboration to enhance this experience. This initiative will align city-building with technology advancements, and potentially autonomous vehicles, to provide a spectrum of personal travel, mass transit and goods movement services that enhance the quality of life for citizens.

Desired Outcomes

- Outcome #1: The City of Edmonton, with the support of other orders of government, will support and accommodate the testing of autonomous vehicles.
 - Autonomous vehicles are tested in Edmonton in 2019.
 - Autonomous vehicles are beyond the pilot phase and are operating on dedicated road right of way or dedicated (separated from traffic) roadways by the end of 2021.
- Outcome #2: The City of Edmonton will consider and, where appropriate, incorporate autonomous and/or technologically advanced vehicles into its transportation systems, budget processes and planning frameworks.
 - Administration develops an approach for incorporating and activating transportation innovation systems into existing planning structures, for example, the Transportation Master Plan (TMP) and Municipal Development Plan (MDP). This approach includes a process to ensure that future transportation innovation implications are considered in current and near term capital projects.

- The City of Edmonton's operations are testing, or partially utilizing, the acceptable transportation innovation system as available at the end of 2021.
- Outcome #3: The City of Edmonton will enter into partnerships to participate in ongoing research and development opportunities and initiatives.
 - Through work completed in partnership, Edmonton is recognized in Canada as a leading municipality in transportation innovation.

Existing Related Corporate Programs

- Smart Transportation Action Plan due to Council in September 2018
- ACTIVE-AURORA connected vehicles testbed partnership
- Vehicle for hire bylaws
- Planning for automated vehicles in Edmonton
- Edmonton's draft electric vehicle strategy
- An assessment of the economic and environmental impacts of Edmonton's carshare
- Municipal Development Plan
- Transportation Master Plan
- Transit Strategy

Timelines

- The Work Plan will be presented to Council on June 12, 2018
- This Council Initiative will report to the Urban Planning Committee twice a year, with the exception of the final year in which one report will be made to City Council.

Key Stakeholders

- Further details of stakeholder and public engagement will be included in the work plan that will be presented to Council on June 12, 2018.

Financial Implications

Any estimated required financial and human resources for future work will be identified in the work plan that will be presented to Council on June 12, 2018.