The City of St. Albert's ITS Strategic Plan - A Smart City Roadmap



Keenan Kitasaka, P.Eng. and Kent Eklund, P.Eng., MBA - Associated Engineering Dean Schick, C.E.T. - City of St. Albert

Vision

Building a better community through transportation innovation

Mission

We bring technology and innovation together, applying them to transportation challenges to protect the City's quality of life.

Principles

I ntegration S afety M easurable D eveloping A daptive **E** nvironment A ccessible R egional T eaming S upportive

Goals

- Support the transportation network
- Increase safety
- Support livability and sustainability
- Enhance economic prosperity and goods movement
- Support regional transportation
- Develop an active and transit transportation network
- Encourage innovation and technological excellence
- Support and enhance data management
- + 57 Objectives
- + 49 Key Performance Indicators

Specific and General ITS strategies with 41 projects phased over 10 years

App Discussion Papers

- Regional integration
- City wide ITS deployment
- Autonomous vehicles





Strategies Specific ITS Strategies

(based on ITS user services)

- Traveller information
- Public transportation
- Electronic payment
- Commercial vehicle operations
- Emergency management
- Vehicle safety / control
- Data and information management
- Maintenance & construction management





Step Needs Assessment and Stakeholder Engagement

- ITS Primer + Questionnaire
- ITS Workshop
- Council Strategic Priorities
- Responses



General ITS Strategies

- Traffic management centre
- Institutional management and innovation
- Regional transportation
- Active transportation
- Marketing and education





- practices





- Background documents
- Traffic / safety
- Inventory of infrastructure
- Environmental scan / best



Recommendations and Implementation

The content of the ITS Strategic Plan led to the development of the Implementation Plan which details the first 5 years of projects, specifically:

Short term (2018 - 2020) Medium term (2020 – 2023)

Project summaries were developed for all 16 of these projects. Traffic management, traveller information and safety were the top priority projects.

Long term projects were examined with paragraphs describing each.

