

Priorities Committee Meeting_Jul16_2019

STRATEGIC INITIATIVE AND UPDATE

Transportation Planning and Engineering – Department Business Plan Update

Report Purpose

To provide the Priorities Committee with an update on the Transportation Planning and Engineering Department Business Plan

Our Prioritized Strategic Goals

Goal 2 - Manage, invest and plan for sustainable municipal infrastructure

Goal 6 - Provide facilities and services that are available and accessible to residents

Goal 8 - Foster an environment for safe communities

Goal 7 - Provide opportunities for public engagement and communication

Report

Transportation Planning and Engineering is responsible for planning, designing, and constructing Strathcona County's multimodal transportation infrastructure for safe and sustainable growth. In addition, continuous review and assessment of traffic volume patterns, monitoring and reacting to impacts from regional growth and development on the transportation network, coordinated review of provincial and regional transportation matters, as well as consistent application of traffic safety best practices, are some of the responsibilities of our team.

Transportation Planning and Engineering supports the following core functions:

- Planning, Engineering and Safety
- Engineering Services and Programming
- Project Construction and Engineering

Planning, Engineering and Safety

- develop coordinated long and short-range transportation plans
- regional, municipal, and provincial collaboration in transportation
- coordinate transportation planning in accordance with the Integrated Transportation Master Plan
- traffic engineering including traffic signal, safety, and calming

Here's where we are...

- on-going collaboration and coordination on local and regional projects and programs are on schedule and on budget
- annual programs and functional plans are on schedule and on budget

Engineering Services and Programming

- provide design services and support for planning and construction of Strathcona County infrastructure
- provide AutoCAD technical and drafting services to Strathcona County departments
- provide survey services; topographical, layout surveys, and 3D scans in support of Strathcona County planning, design, and construction projects
- develop and manage department capital programming by aligning with corporate strategic goals, collaborating with other departments, and utilizing sound asset management principles

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Here's where we are...

- design and survey staff continue to provide support on numerous TPE traffic management, traffic safety, and construction projects as well as supporting projects in RPC, Facility Services, PDS, and TAS departments
- significant advancements continue to be made on a number of on-going projects such as establishment of Strathcona County survey control monuments, acquisition of updated LiDAR data, update to Strathcona County Design and Construction Standards, Sherwood Drive design project, Broadway Blvd/Broadview Drive roundabout design, Twp Rd 524/Rge Rd 213 design project, and Old Ardrossan street upgrades design including Oldman Creek Bridge replacement
- department Capital budget planning is on-going and on track to meet timelines and align with strategic goals
- actively involved with the Strathcona County Business Transformation (SCBT) project, Multi-year Planning and Execution (MYPE), Corporate Asset Management (CAM) Committee, and Heartland Steering Committee
- actively involved with other Strathcona County departments on North of Yellowhead (Cambrian) off-site infrastructure planning and strategies

Project Construction and Engineering

- manage Capital projects including new and upgraded transportation systems and open space projects that provide gathering places (parks, playgrounds), streetscape plantings, and pedestrian connectivity (trails) in Strathcona County
- continue to enhance project management practices

Here's where we are...

- Capital project schedules are on-going including planning, permitting, designing, procuring, and constructing
- actively involved in ongoing corporate projects such as SCBT and MYPE which provide improvements to project management practices, and the basis for planning for future improvement focal points

Planning, Engineering and Safety: 2019-2022 Forecast:

In order to maintain our service levels with addressing public concerns and recommending technical solutions, additional staff will be required in this area. This branch includes the Traffic and Pedestrian Safety and Traffic Signal / Intersection Replacement annual programs.

Engineering Services and Programming: 2019-2022 Forecast:

The 2020 student staff extension request has been cancelled because Northern Alberta Institute of Technology has cancelled the co-op program extension. Due to advances in technology and the service contract expiration for the current survey equipment, survey equipment will be replaced in the next four years.

Project Construction and Engineering: 2019-2022 Forecast:

In order to meet on-going growth within the community, projects will be completed in the Capital program including roadways, trails, parks, and sidewalks. This group will continue to focus on enhancing project management practices including quality assurance and quality control procedures and documents.

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On-going Initiatives

- Southwest Quadrant Functional Planning Study
- Wye Road, Estate Drive to Clover Bar Road Widening Construction
- 2019 Train Whistle Cessation
- Township Road 522, 800m East of Highway 21 to West of Curve, Construction
- Annual Traffic and Pedestrian Safety

Council and Committee History

n/a

Other Impacts

Policy: n/a

Legislative/Legal: n/a

Interdepartmental: Transportation and Agriculture Services; Planning and Development Services; Utilities; Communications

Master Plan/Framework: n/a

Enclosure

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| 1 | Department Business Plan Update – Transportation Planning and Engineering Presentation |
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