

Department Business Plan Update

Transportation Planning and Engineering

Department overview

Plan, design, and construct Strathcona County's multimodal transportation infrastructure for safe and sustainable growth, while working collaboratively with all stakeholders

Review and assessment of traffic volume patterns, monitoring impacts from regional growth and development

Coordinated review of provincial and regional transportation matters, consistent application of traffic safety best practices

Core business functions

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



Progress on core function forecast

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...

- coordination on projects and programs are on schedule and on budget
- annual programs and functional plans are on schedule and on budget

Progress continued

Engineering Services and Programming

- provide design services 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
- manage department Capital programming
 - collaborate with other departments
 - utilizing sound asset management principles

Here's where we are...

- design and survey staff continue to provide project support
 - TPE traffic management,
 - traffic safety and construction projects
 - support to RPC, Facility Services, PDS, and TAS



Progress continued

Here's where we are... (cont'd)

- significant advancements made on projects
 - establishment of Strathcona County survey control monuments
 - acquisition of updated LiDAR data
 - update to Strathcona County Design and Construction Standards
 - Sherwood Drive design project
 - Twp Rd 524/Rge Rd 213 design project
- Capital budget planning is on track to meet timelines
- actively involved in corporate projects
 - Strathcona County Business Transformation (SCBT) project
 - Multi-year Planning and Execution (MYPE)
 - Corporate Asset Management (CAM) Committee
- actively involved with other Strathcona County departments on North of Yellowhead (Cambrian) and off-site infrastructure planning and strategies

Progress continued

Project Construction and Engineering

- manage Capital projects including transportation and open space
- 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 corporate projects
 - Strathcona County Business Transformation (SCBT) project
 - Multi-year Planning and Execution (MYPE)

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



Initiatives

- Annual Traffic and Pedestrian Safety
- Annual Traffic Signal/Intersection Replacements
- Annual Sidewalk Missing Links



Southwest Quadrant Functional Planning Study - Status

Overall Initiative Status



Initiative status	Current status	Previous status
Time	G	G
Scope	G	G
Budget	G	G

Alignment to 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

Key Deliverables

- develop and release Request for Proposal with City of Edmonton support
- develop a transportation functional plan to support County roads with traffic generated by the City of Edmonton Decoteau development

Opportunities/Challenges

- Opportunities:
- identify the long-term network needs with traffic modelling, access management, identify land requirements and stakeholder engagement due to the Decoteau development
- Challenges:
- aligning timelines with another municipality
 - City of Edmonton development is planned to accommodate more than 60,000 residents and will have direct impacts to the road networks through Range Road 234 from Township 512 to Township 514 and Township 512, 513, 514 from Range Road 234 to Range Road 232

Risks

City of Edmonton has not contributed financial support for the study

the scope of work and/or budget may need to be reviewed once proposals are received

Mitigation

Continued communication with City of Edmonton.

Wye Road, Estate Drive to Clover Bar Road Widening Construction - Status

Overall Initiative Status



Initiative status	Current status	Previous status
Time	G	G
Scope	G	G
Budget	G	G

Alignment to Strategic Goals
<ul style="list-style-type: none">Goal 2 - Manage, invest and plan for sustainable municipal infrastructureGoal 6 - Provide facilities and services that are available and accessible to residents

Key Deliverables
<ul style="list-style-type: none">construct widening of Wye Road from Estate Drive to Clover Bar Road to six lanesConstruction completion by end of 2020

Opportunities/Challenges
<p>Opportunities:</p> <ul style="list-style-type: none">increased safety, enhanced level of service and increased efficiency of vehicle movements <p>Challenges:</p> <ul style="list-style-type: none">Hillshire development timing and required execution of agreements before construction

Risks	Mitigation
a delay in obtaining permits and developer agreements results in a delay in the timelines	<ul style="list-style-type: none">ATCO Pipeline permits are in progressagreements with developers are in progress

2019 Train Whistle Cessation - Status

Overall Initiative Status



Initiative status	Current status	Previous status
Time	Y	G
Scope	G	G
Budget	G	G

Alignment to Strategic Goals

Goal 2 - Manage, invest and plan for sustainable municipal infrastructure
Goal 8 - Foster an environment for safe communities

Key Deliverables

- work with CN Rail to implement train whistle cessation at next seven (7) crossings along Wainwright subdivision line north of Hwy 630 (Wye Road)
- acquire CN Rail commitment to assess and complete required improvements

Opportunities/Challenges

Opportunities:

- Train Whistle Cessation at seven (7) crossings

Challenges:

- CN Rail has not completed the required assessments
- no scope of work is known including the final budget requirements

Risks

CN Rail requires additional infrastructure – address Council with the finalized design need based upon final design.

CN Rail has a long schedule and implementation plan – continued communication with CN Rail.

Alberta Transportation (AT) does not accept the whistle cessation on Hwy 830 (RR215) – rely on strong networks and relationships with AT.

Mitigation

Continue working with CN Rail to define and complete the required infrastructure to achieve train whistle cessation.

Township Road 522, 800m East of Hwy 21 to West of Curve, Construction - Status

Overall Initiative Status



Initiative status	Current status	Previous status
Time	G	G
Scope	G	G
Budget	G	G

Alignment to Strategic Goals
Goal 2 - Manage, invest and plan for sustainable municipal infrastructure Goal 8 - Foster an environment for safe communities

Key Deliverables
<ul style="list-style-type: none">construction of the remaining section of Township Road 522 from west of the curve at Range Road 224 to east of Highway 21, to a Class I standardcomplete construction in 2019 with FAC in 2021

Opportunities/Challenges
Opportunities: <ul style="list-style-type: none">address safety, level of service and pavement quality issues Challenges:

Risks	Mitigation
unforeseen issues could arise during construction	TPE anticipates being able to mitigate unforeseen issues during the course of the project to ensure completion on time and on budget.

Annual Traffic and Pedestrian Safety - Status

Overall Initiative Status



Initiative status	Current status	Previous status
Time	G	G
Scope	G	G
Budget	G	G

Alignment to Strategic Goals
<p>Goal 2 - Manage, invest and plan for sustainable municipal infrastructure</p> <p>Goal 6 - Provide facilities and services that are available and accessible to residents</p> <p>Goal 8 - Foster an environment for safe communities</p>

Key Deliverables
<ul style="list-style-type: none"> improvement intersection designs, traffic calming, and neighbourhood engagement define physical improvement initiatives to enhance safety and mobility at critical rural and urban locations <ul style="list-style-type: none"> Hawkins Crescent Traffic Review and Engagement Jim Common Drive Public Engagement and Evaluation Glen Allan Traffic Calming Program Heritage Hills Public Engagement and Traffic Plan Sherwood Drive Traffic Circle Review and Assessment Lakeland Drive Traffic Flow Review and Assessment
Opportunities/Challenges
<p>Opportunities:</p> <ul style="list-style-type: none"> enhanced safety and mobility at critical rural and urban locations

Risks	Mitigation
seeking approvals from multiple departments can lead to longer timelines	Coordination and collaboration with multiple departments and stakeholders will be managed through effective communication.
unforeseen issues could arise during construction	

Questions?

