



2022 - 2025 DEPARTMENT BUSINESS PLAN

Transportation,
Planning and
Engineering

Date of last revision
APRIL 2022



MESSAGE FROM THE DIRECTOR



Strathcona County's transportation system is essential to safe, sustainable growth, and quality of life. An effective transportation system gets us to and from work and school; allows a quick response time from emergency services and RCMP; and allows delivery of goods and services to our homes and businesses. Some of the responsibilities of our team include review and assessment of traffic volume patterns, optimized traffic signal design and maintenance, monitoring and planning for 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.

Transportation Planning and Engineering is committed to providing safe and efficient multi-modal transportation infrastructure through effective planning, design, and implementation according to engineering, construction, and municipal best practices.

The Transportation Planning and Engineering department continues to collaborate with municipal and regional partners to ensure strategic, cost-effective development, and regional transportation linkages to meet the current and future needs of the municipality. This includes capitalizing on recently announced provincial and federal stimulus programs to help support the economy.

Throughout the implementation of this business plan, it is vital that we focus on the all-encompassing link to Strathcona County's strategic plan to establish how we approach our work, collaborate with internal and external stakeholders, and ultimately engage our citizens, as we move along the road to become Canada's most livable community.

Kevin Cole, P.Eng.

Director, Transportation Planning and Engineering

PLANNING FOUNDATION

STRATHCONA COUNTY VISION

Living in Strathcona County

Strathcona County, located in the heart of Alberta, is an energetic and thriving community. A leader in North America’s petroleum industry and a champion for advancing diverse agricultural business, we use our energy to power our new tomorrow.

We are a specialized municipality and work cooperatively with our urban and rural residents to govern as a single municipality. Proud of our distinct governance model, we promote and demonstrate our achievements.

We are a welcoming place to live and attract people of all ages, cultures and walks of life to join us. Families thrive in our dynamic, caring and safe community.

We strive to be a model of ecological integrity, protecting our environment and preserving our agricultural heritage.

Investment in infrastructure, quality services, cultural and recreational programs, and facilities is a priority and sets us apart.



Goal 1
Build strong communities to support the diverse needs of residents



Goal 5
Foster collaboration through regional, community and governmental partnerships



Goal 2
Manage, invest and plan for sustainable municipal infrastructure



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



Goal 3
Cultivate economic diversification, within the petro-chemical industry and beyond, through a business-friendly environment



Goal 7
Provide opportunities for public engagement and communication



Goal 4
Ensure effective stewardship of water, land, air and energy resources



Goal 8
Foster an environment for safe communities



Goal 9
Continuously improving the way we work, as one organization, in an agile and sustainable manner

CORPORATE MISSION

We are committed to working collaboratively, efficiently and effectively to provide quality service delivery to citizens, business, and industry alike.

CORPORATE VALUES

Our values help to form our organizational identity and define our culture.

Integrity	We demonstrate ethical standards and behaviours We display honest behaviour at all times We do what we say we will do
Respect	We treat others with care and dignity We pay attention to each other We welcome a variety and diversity of ideas
Safety	We consistently demonstrate safe work practices We build an environment of openness and trust We make it safe for each other to voice opinions or concerns
Fairness	We consider how our actions might affect others We treat everyone impartially and equitably We are willing to share the reasoning behind our thinking and decisions
Cooperation	We support, assist and learn from each other We give credit to others for their contributions We compromise when needed to achieve common goals

DEPARTMENT MISSION STATEMENT

To provide safe and efficient multi-modal transportation infrastructure through effective planning, design, implementation, and operation according to engineering, construction, and municipal best practices.

DEPARTMENT OVERVIEW

Transportation Planning and Engineering is responsible for strategic transportation planning and major road construction projects of the County's transportation systems infrastructure. Transportation systems infrastructure is required for vehicular, pedestrian, and other active transportation modes. We primarily serve internal stakeholders with 36.6 full-time employees who plan, survey, design, and manage \$10 million in transportation system-related capital projects per year.

We are guided by and follow:

Regulatory

- Engineering and Geoscience Professions Act and associated regulations

- Association of Professional Engineers and Geoscientists of Alberta
- The Association of Science and Engineering Technology Professionals of Alberta
- Professional Practice Management Plan/Permit to Practice
- Traffic Safety Act
- Water Act
- Builders Lien Act
- Expropriation Act
- Environmental Protections and Enhancement Act
- Canadian Environmental Protection Act
- Railways Act
- Navigable Waters Act
- Migratory Birds Act
- Fisheries Act

Bylaws and policies

- Transportation Systems Bylaw
- Noise Control Bylaw
- Speed Control Bylaw
- Surface Drainage Bylaw
- Traffic Bylaw
- Public Engagement
- Tree Clearing Policy
- Traffic Noise Policy
- Traffic Calming Policy
- Train Whistle Cessation Policy
- Traffic Control Devices Policy

Guidelines, standards, strategies

- Transportation Association of Canada
- Alberta Transportation
- Strathcona County Design and Construction Standards
- Federal (USA) Highway Administration
- Integrated Transportation Master Plan
- Traffic Safety Strategic Plan 2020

DEPARTMENT CORE BUSINESS FUNCTIONS AND PROGRAMS (SUMMARY OF OPERATIONAL PLANS)

PLANNING, ENGINEERING AND SAFETY

Planning, Engineering and Safety is responsible for planning and managing updates and ongoing development of the County's integrated transportation master plan, functional planning studies, and traffic impact assessments in support of ongoing development. The transportation modeling program develops and maintains predictive transportation models for major transportation corridors throughout Strathcona County. The branch collaborates with residents and other stakeholders to develop traffic safety initiatives through ongoing operational reviews and audits; traffic safety engineering; traffic calming engineering, public engagement, education, and evaluation expertise. The Priority Based Budget programs under the Planning, Engineering and Safety core function are:

Strathcona County and Region Transportation Planning and Coordination

- Transportation Modeling
- Traffic Safety Education and Outreach

2022 – 2025 FORECAST

The focus of this core function is to continue to work cooperatively with other Strathcona County departments, regional partners, the public, and stakeholders to address daily operational issues due to growth and development throughout the County. This function will continue to be responsible for the Traffic and Pedestrian Safety annual program.

ENGINEERING SERVICES AND PROGRAMMING

The Engineering Services and Programming branch provides topographical surveying, mapping, and layout services for the planning and construction of County infrastructure. The branch offers design services for transportation infrastructure and provides AutoCAD support to County departments.

The branch uses principles of asset management to evaluate and prioritize transportation network needs and demands in order to develop individual capital projects in terms of cost estimate and scope, and further develop multi-year transportation capital programs. Additionally, the branch maintains, distributes, and updates aspects of Strathcona County's Design and Construction Standards.

The Priority Based Budget programs under the Engineering Services and Programming core function are:

- Survey Services
- Design Services
- Transportation Capital Programming

2022 – 2025 FORECAST

Continue to provide internal survey and design services to other Strathcona County departments and update our capital programming procedures as a new system comes online through the Strathcona County Business Transformation project. Due to advances in technology and expiration of the current survey equipment service contract, replacement of the survey equipment will occur in the next four years.

PROJECT CONSTRUCTION AND ENGINEERING

Project Construction and Engineering manages capital projects that include new roadways or upgrades to existing transportation systems infrastructure, as well as open space projects that provide gathering places (parks, playgrounds), streetscape plantings, and pedestrian connectivity (trails) in Strathcona County. The branch also provides project management services in support of other County departments' projects such as supporting Recreation, Parks, and Culture's open space projects. PCE's functions range from coordination of procurement and contract management of land, utilities, public engagement, coordination with other stakeholders, along with technical design, engineering, and construction management. This branch also manages the County's geotechnical and materials testing contract in collaboration with other County departments that require these services on an annual basis. The Priority Based Budget programs under the Project Construction and Engineering core function are:

- Capital Road Construction Project Management
- Outdoor Open Space Construction Project Management

2022 – 2025 FORECAST

This branch will be completing the projects in the capital program including roadways, trails, parks, and sidewalks. This group will also continue to focus on enhancing project management practices including quality assurance and quality control procedures and documents.

TRANSPORTATION NETWORK MANAGEMENT

Transportation Network Management oversees Strathcona County's traffic signal network and traffic controls, including management of and administrative updates to the Transportation System Bylaw. The traffic engineering program focuses on optimized traffic signal design and implementation, while traffic and operations management include evaluating traffic speed, maintaining traffic signals, monitoring traffic volumes, and measuring traffic noise levels.

- Traffic Engineering
- Traffic Operations / Management

2022 – 2025 FORECAST

This branch will continue to address growth pressures and maintain service levels. To help reduce overtime in the future, a 4-month student has been approved to be added in 2023. This group is responsible for the traffic signal / intersection replacement annual program.

DEPARTMENT ANNUAL CAPITAL IMPROVEMENTS

ANNUAL TRAFFIC AND PEDESTRIAN SAFETY IMPROVEMENTS (AUTO 1399, 1400, 1401, 1402, 1403)

Capital improvements include intersection designs, traffic calming, neighbourhood engagement and physical improvement initiatives to enhance safety and mobility at critical rural and urban locations.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 9: Continuously improving the way we work, as one organization, in an agile and sustainable manner

- Supports infrastructure management

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services and Transportation and Agriculture Services

Timeframe: Ongoing

ANNUAL TRAFFIC SIGNAL / INTERSECTION REPLACEMENTS (AUTO 1404, 1405, 1406, 1407, 1408)

This program ensures continuous improvement to safety and efficiency of our transportation network. The network is strategically reviewed to plan and prioritize new installations and infrastructure upgrades. Traffic signals and intersection control devices are installed and upgraded as traffic delays and safety triggers are met. Rehabilitation of aging traffic signal infrastructure reduces risks of hardware malfunctions while supporting the advancement of technology.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead: Transportation Planning and Engineering

Support: Transportation and Agriculture Services

Timeframe: Ongoing

ANNUAL SIDEWALK MISSING LINKS PROGRAM (AUTO 1414, 1415, 1416, 1417, 1418)

Increasing transportation mode choice and creating a more connected framework for pedestrians contributes to walkability and quality of place. This initiative allows for planning, prioritization, land acquisition, and construction of sidewalks through business and industrial areas. These areas need active transportation connectivity for pedestrians including those who are transit users at bus stops.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

Investment in our infrastructure that supports development and complete communities

Department role:

Lead: Transportation Planning and Engineering

Support: Transportation and Agriculture Services, Planning and Development Services, Utilities

Timeframe: Ongoing

ANNUAL PROGRAM - BRIDGE REPLACEMENT PROJECT (AUTO 1409, 1410, 1411, 1412, 1413)

This program ensures the timely replacement of our bridge network based on routine structural inspections and engineering analysis for failures. The bridge network is essential for ensuring the continuous use of roadways passing over the structures in addition to ensuring the uninterrupted flow of the drainage network and creeks in our County.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Transportation and Agriculture Services

Timeframe: Ongoing

DEPARTMENT SUPPORT ROLES (ANNUAL CAPITAL IMPROVEMENTS)

The list below includes initiatives that this department will be supporting during the 2022 – 2025 Business Plan timeline. Lead departments are responsible for providing clear plans to support departments. These plans are to advise support departments on particulars of the support required and timing.

- Annual Facility Capital Lifecycle Program
Lead: Facility Services
- Annual Information Technology Corporate Infrastructure Replacement Program – Municipal
Lead: Information Technology Services
- Annual Parks Infrastructure Lifecycle Program
Lead: Recreation, Parks and Culture
- Annual Open Space Planning Revitalization
Lead: Recreation, Parks and Culture
- Annual Rural Roads Rehabilitation Program
Lead: Transportation and Agriculture Services
- Annual Asphalt Trails Rehabilitation Program
Lead: Transportation and Agriculture Services
- Annual Urban Roads Rehabilitation Program
Lead: Transportation and Agriculture Services

DEPARTMENT IMPROVEMENT INITIATIVES

SURVEY EQUIPMENT REPLACEMENT (AUTO 1782)

The survey equipment is reaching the end of its lifecycle and needs to be replaced. This project will replace the total station, GPS, reference station, and scanner.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 4: Municipal Excellence – Strathcona County is a leading municipality that moves the community forward through service excellence delivered by engaged and empowered employees

- Optimal use of resources that meets the community’s needs

Department role:

Lead: Transportation Planning and Engineering

Support: Information Technology Services

Timeframe:

Start time: T1 2020

End time: T3 2022

CLASS II IMPROVEMENTS – RGE RD 210, TWP RD 550 TO HWY 15 (AUTO 2059)

Rural roads classifications and surface types in Strathcona County are based on traffic volume. When traffic volumes change, the classification is updated to safely support vehicle traffic. Starting in 2021, Range Road 210 will be updated from a Class III roadway to a Class II roadway. This upgrade will support the increase in vehicular traffic. This road is also an important agricultural corridor and will support its use to transport heavy agriculture equipment.

- **Class I** – wide asphalt roadway that handles more than 1,000 vehicles per day.
- **Class II** – cold mix (hard surface) roadways that manage between 250 to 1,000 vehicles per day; typically connect to Class Is or highways.
- **Class III** – dust-suppressed gravel roads that have been oiled; see up to about 250 vehicles per day. These roads have the appearance of a hard surface road, such as asphalt.
- **Class IV** – loose gravel road; some residences will get dust control 150 metres from their residence.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 6: Provide facilities and services that are available to residents

- Connected, accessible multi-modal transportation networks, including trails

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Transportation and Agriculture Service

Timeframe:

Start time: T1 2021

End time: T3 2023

MINISTIK SCHOOL PICNIC GAZEBO (AUTO 2060)

Administration has reviewed options to construct a picnic gazebo adjacent to the Ministik School playground and in a location to support the continued use of the area by municipal or library summer programs. Signage will be added that describes the history of the Ministik School and local area.

Linkage to corporate business plan organizational excellence goal and result(s):

Goal 6: Provide facilities and services that are available to residents

- Connected, accessible multi-modal transportation networks, including trails

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Facility Services, Recreation, Parks and Culture

Timeframe:

Start time: T1 2021

End time: T2 2022

DEPARTMENT SUPPORT ROLES (IMPROVEMENT INITIATIVES)

The list below includes initiatives that this department will be supporting during the 2022 – 2025 Business Plan timeline. Lead departments are responsible for providing clear plans to support departments. These plans are to advise support departments on particulars of the support required and timing.

- Business Expense Policy Review and Update
Lead: Financial and Strategic Services
- Strathcona County Business Transformation (SCBT) Project
Lead: Financial and Strategic Services
- Service Definition Project
Lead: Financial and Strategic Services
- Enterprise Risk Management Program
Lead: Financial and Strategic Services
- Occupational Health and Safety/Disability Management Technology Project
Lead: Human Resources
- Succession Planning Strategy
Lead: Human Resources
- New Occupational Health and Safety Legislation Implementation
Lead: Human Resources
- Corporate Inclusion and Diversity Training
Lead: Human Resources and Family and Community Services
- Digital Workplace Program
Lead: Information Technology Services
- Sustainable Rural Roads Master Plan Update
Lead: Transportation and Agriculture Services
- Gravel Road Rehabilitation
Lead: Transportation and Agriculture Services
- Electronic Procurement System Update
Lead: Financial and Strategic Services

DEPARTMENT STRATEGIC INITIATIVES

FUNCTIONAL PLANNING STUDY SOUTHWEST QUADRANT – RANGE ROAD 234 TO HIGHWAY 21 AND TOWNSHIP ROAD 510 TO HIGHWAY 14 (INIT 16)

This functional planning study is for the southwest quadrant of Strathcona County (Range Road 234 to Highway 21 and Township Road 510 to Highway 14) due to the Decoteau Development in the City of Edmonton.

Linkage to strategic goal(s) and result(s):

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

- Efficient and effective multi-modal transportation network

Goal 8: Foster an environment for safe communities

- Transportation network, including trails, allows people and goods to move safely and efficiently

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2019

End time: T1 2022

WYE ROAD UPGRADE – RANGE ROAD 231, WYE ROAD TO HILLSHIRE BOULEVARD (AUTO 1160)

The design, land acquisition, and shallow utilities for Range Road 231 from Wye Road to Hillshire Boulevard are required in advance of the Hillshire Development for construction of the intersection upgrades to commence.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2023

End time: T1 2026

WYE ROAD WIDENING, ESTATE DRIVE TO CLOVER BAR ROAD (AUTO 1649)

Widen Wye Road from Estate Drive to Clover Bar Road to six lanes. This construction will provide network continuity and connectivity including additional access to the Hillshire neighbourhood.

Linkage to strategic goal(s) and result(s):

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

- Efficient and effective multi-modal transportation network

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

- Connected, accessible multi-modal transportation network, including trails

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2019

End time: T3 2023

BROADWAY BOULEVARD AND BROADVIEW DRIVE ROUNDBOUT INTERSECTION UPGRADE (AUTO 1321)

Construction of a roundabout at the intersection of Broadway Boulevard and Broadview Drive. This roundabout will reduce the number of traffic conflict points, increase user compliance, and provide for active transportation with new sidewalk connections.

Linkage to strategic goal(s) and result(s):

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

- Connected, accessible multi-modal transportation network, including trails

Goal 8: Foster and environment for safe communities

- Transportation network, including trails, allows people and goods to move safely and efficiently

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2021

End time: T1 2024

WYE ROAD UPGRADE - SHERWOOD DRIVE FROM ASH STREET TO VILLAGE DRIVE (AUTO 1164)

Construction of roadway upgrades on Sherwood Drive from Ash Street to Village Drive. These upgrades will address traffic capacity challenges, intersection safety, traffic delays, and access challenges along the corridor.

Linkage to strategic goal(s) and result(s):

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

- Efficient and effective multi-modal transportation network

Goal 8: Foster and environment for safe communities

- Transportation network, including trails, allows people and goods to move safely and efficiently

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2020

End time: T3 2023

NORTH OF YELLOWHEAD - RANGE ROAD 232, AURUM ACCESS TO TOWNSHIP ROAD 534 INTERSECTION UPGRADE (AUTO 847)

This project is for the construction of the widening of Range Road 232 from the Aurum access to Township Road 534. This project is required due to the anticipated traffic volume increases in the corridor.

Linkage to strategic goal(s) and result(s):

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

- Efficient and effective multi-modal transportation network

Goal 8: Foster an environment for safe communities

- Transportation network, including trails, allows people and goods to move safely and efficiently

Department role:

Lead: Transportation Planning and Engineering

Support Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T3 2020

End time: T3 2024

HEARTLAND - RANGE ROAD 214 AND TOWNSHIP ROAD 554 INTERSECTION IMPROVEMENTS (AUTO 1139)

This project facilitates ongoing industry and development activities in Alberta's Industrial Heartland. It entails construction of intersection upgrades at the intersection of Range Road 214 and Township Road 554 and includes a bridge replacement to remove the current weight restrictions in the corridor.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Growth and development that prioritizes community well-being and economic benefits

Goal 1: Economic Prosperity – Strathcona County is a prosperous community that capitalizes on the strength of its industrial, agriculture and business sectors while advancing economic diversity and growth

- Collaboration with industrial partners that promotes innovation and growth opportunities

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2025

End time: T1 2029

RANGE ROAD 233, ASH STREET TO BALMORAL WAY LAND ACQUISITION (AUTO 1904)

Upgrades to Range Road 233/Sherwood Drive from Village Drive to Ash Street have been approved for 2020. In order to continue with upgrades from Ash Street to Balmoral Way, land needs to be purchased on the east and west sides of Range Road 233.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2023

End time: T1 2026

RANGE ROAD 233, FOUNTAIN CREEK WAY TO BALMORAL WAY (AUTO 1904)

Upgrades to Range Road 233/Sherwood Drive from Fountain Creek Way to Balmoral Way have been approved for 2023. In advance of upgrades from Ash Street to Balmoral Way, upgrades including a roundabout at Range Road 233 and Balmoral Way need to occur.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2024

End time: T1 2027

FACILITIES NORTH PARKING LOT (AUTO 1629)

Improvements to the Station 6 parking lot in order to comply with the urban parking lot standard. The gravel lot will be converted to asphalt with improved drainage and will provide access to Bethel Way.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead / Co-lead: Transportation Planning and Engineering, Facility Services

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2024

End time: T1 2026

TOWNSHIP ROAD 524, WYE ROAD TO RANGE ROAD 213 (AUTO 1738)

An upgrade from a Class II to a Class I roadway standard is required for Township Road 524, from Wye Road to Range Road 213. This roadway is close to or exceeding traffic volume capacity for a Class II rural road.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2025

End time: T1 2028

SHERWOOD DRIVE ROUNDABOUT (AUTO 1021)

As indicated in the October 22, 2019 report to Council, it is recommended that the traffic circle be considered for redesign and reconstruction with timing coordinated during the next road rehabilitation on Sherwood Drive. In 2019, asset management reports indicated that the rehab was likely to occur between 2025 and 2029. The detailed design will assess how to further reduce collisions at this location.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2024

End time: T1 2026

SHERWOOD DRIVE - GRANADA BOULEVARD INTERSECTION IMPROVEMENT (AUTO 2034)

The 2018 In Service Road Safety Review (ISRSR) and the 2019 Centre in the Park (CITP) Area Redevelopment Plan (ARP) have examined long-term development of the CITP area. Infrastructure and geomatic changes at the Sherwood Drive and Granada Boulevard intersection will require engineering design and consultation.

Linkage to strategic goal(s) and result(s):

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

- Efficient and effective multi-modal transportation network

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2021

End time: T1 2023

SHERWOOD DRIVE – GRANADA BOULEVARD INTERSECTION IMPROVEMENT CONSTRUCTION (AUTO 2053)

Construction of the improvements at the intersection of Sherwood Drive and Granada Boulevard. There are approximately 32,000 trips per day through the intersection, which equates to approximately 30% of the County's population using the intersection every day. Once CITP development is complete, this value is expected to increase. The improvements will increase safety and efficiency.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Investment in our infrastructure that supports development and complete communities

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2023

End time: T1 2026

BETHEL WAY, BISON WAY TO LAKELAND DRIVE (AUTO 1033)

Construction of Bethel Way to an urban collector road standard from Bison Way to Lakeland Drive. The scope includes design refresh and significant stormwater management/storm sewer and two sidewalks connecting pedestrians to/from the multi-use trails along Lakeland Drive.

Linkage to strategic goal(s) and result(s):

Goal 8: Foster an environment for safe communities

- Transportation network, including trails, allows people and goods to move safely and efficiently

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T3 2020

End time: T3 2023

TOWNSHIP ROAD 560, RANGE ROAD 214 TO 800M EAST (AUTO 1887)

This project includes upgrading 0.8 kilometers of existing roadway east of Range Road 214, in Strathcona County's Industrial Heartland area, to a two-lane rural industrial Class I standard, to accommodate anticipated industrial traffic. The project includes the engineering design, obtaining environmental permitting, tender and construction of the new roadway infrastructure, as well as surveying, testing, and construction supervision.

Linkage to strategic goal(s) and result(s):

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

- Efficient and effective multi-modal transportation network

Goal 8: Foster an environment for safe communities

- Transportation network, including trails, allows people and goods to move safely and efficiently

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T3 2020

End time: T1 2023

FUNCTIONAL PLANNING STUDY SOUTH OF LOCAL EMPLOYMENT AREA (LEA) – HIGHWAY 21 TO RANGE ROAD 222 AND TOWNSHIP ROAD 530 TO LEA BOUNDARY (INIT 171)

The functional planning study is required to understand and plan for future infrastructure and access transportation management requirements, and to establish a representative infrastructure improvement plan. The study will determine the appropriate level of engineered infrastructure to accommodate future growth, as well as the increased traffic generated through the impending development in Bremner, LEA, and Ardrossan adjacent to the area due to updated land uses within the Municipal Development Plan, in alignment with the Integrated Transportation Master Plan.

Linkage to strategic goal(s) and result(s):

Goal 3: Responsible development – Strathcona County is an innovative community that encourages sustainability and respects the environment

- Growth and development that prioritizes community well-being and economic benefits

Department role:

Lead / Co-lead: Transportation Planning and Engineering

Support: Planning and Development Services, Utilities, Transportation and Agriculture Services, Communications

Timeframe:

Start time: T1 2023

End time: T1 2025

DEPARTMENT SUPPORT ROLES (STRATEGIC INITIATIVES)

The list below includes initiatives that this department will be supporting during the 2022 – 2025 Business Plan timeline. Lead departments are responsible for providing clear plans to support departments. These plans are to advise support departments on particulars of the support required and timing.

- Northern Strathcona County Regional Park Masterplan
Lead: Recreation, Parks and Culture
- South of Wye ARP Project
Lead: Planning and Development Services
- Indoor Fieldhouse – Design
Lead: Recreation, Parks and Culture
- River Valley Alliance Pedestrian Footbridge
Lead: Recreation, Parks and Culture
- Urban and Rural Trail Construction
Lead: Recreation, Parks and Culture
- Community Broadband
Lead: Information Technology Services
- Northern Strathcona County Regional Park Masterplan
Lead: Recreation, Parks and Culture