



STAFF REPORT

Title: 2024 Transportation Master Plan

Meeting Date: November 19, 2024

Executive Summary:

The 2024 Transportation Master Plan (TMP) updates the City of Cold Lake's 2012 Transportation Master Plan to align with recent growth expectations, annexation impacts, and the city's Municipal Development Plan (MDP) and Intermunicipal Development Plan (IDP). This update provides a strategic, long-term vision for Cold Lake's transportation network over the next 25 years, reflecting recent shifts in travel patterns, regional connectivity, and anticipated infrastructure needs.

ISL Engineering will present these core elements to the Corporate Priorities Committee (CPC) for Council feedback before a public open house on December 5, 2024, which will give residents the opportunity to learn about and comment on the TMP's findings.

Background:

The City of Cold Lake's original Transportation Master Plan (TMP), completed in 2012, has effectively guided the development of the city's transportation infrastructure for over a decade. However, significant changes—including a surge in residential and commercial growth, annexations, and shifts in travel trends influenced by the COVID-19 pandemic and subsequent recovery—have underscored the need for an updated plan. In response, the City retained ISL Engineering through a rigorous Request for Proposal (RFP) process in early 2024 to develop the 2024 TMP, ensuring both expertise and transparency in the selection process.

The updated TMP aligns closely with the City's strategic planning framework, including the MDP and IDP, and incorporates anticipated growth areas, travel demand projections, and infrastructure requirements. Collaboration with surrounding municipalities has also been factored in where regional transportation impacts are expected. This alignment allows the City to build, maintain, and operate its transportation infrastructure network with a forward-looking, sustainable approach.

Key Features of the 2024 TMP:

- 1. Travel Demand Forecast and Growth Projections:**



- A 25-year travel demand forecast considers projected population and land use growth across Cold Lake, incorporating expected shifts in residential density, commercial hubs, and transit-oriented development.
- 2. **Transportation Servicing and Safety Requirements:**
 - The TMP outlines infrastructure improvements, such as new road construction, intersection upgrades, and expansions to existing routes, to support projected growth. Areas with historically high collision rates have been identified for targeted safety enhancements, ensuring that future developments are safer for all users.
- 3. **Transportation Staging Horizons:**
 - The plan establishes phased implementation stages at 5, 10, 15, 20, and 25-year horizons, enabling the City to prioritize areas with the highest projected growth or greatest immediate need for infrastructure upgrades.
- 4. **Pedestrian, and Downtown Core Enhancements:**
 - The TMP provides recommendations for enhancing mobility corridors and addresses pedestrian movement, parking, and intersection functionality in the Downtown Core to improve accessibility and walkability.
- 5. **Traffic Calming and Goods Route Review:**
 - New strategies for traffic calming in sensitive areas will support safer neighborhoods, and an updated truck and dangerous goods route review aligns with modern safety standards.

Next Steps:

ISL Engineering will present the key features of the TMP to the Corporate Priorities Committee for feedback, and a public open house is scheduled for December 5, 2024, to share findings with residents and gather their input. This community engagement ensures that the TMP reflects Cold Lake's collective vision for an accessible, safe, and efficient transportation future.

Alternatives:

For Information and feedback.

Recommended Action:

For information and feedback.

Budget Implications (Yes or No):

Yes

Submitted by:

Kevin Nagoya, Chief Administrative Officer