

COUNCIL REQUEST FOR DECISION

MEETING DATE: May 26, 2025

SUBMITTED BY: Shawn Olson, Director, Engineering and Environment

PREPARED BY: Ryan Graham, Infrastructure Manager

REPORT TITLE: Transportation Master Plan

EXECUTIVE SUMMARY

This report summarizes the City of Leduc Transportation Master Plan (TMP). This plan outlines all required transportation upgrades for the short, medium, long and beyond the long-term horizons in addition to guiding principles for transportation investment.

RECOMMENDATION

That Council approves the Transportation Master Plan as presented.

COUNCIL HISTORY

May 8, 2023 the Transportation Master Plan project overview was presented to Council, and on September 18, 2023, the Surface Transportation Noise Policy was approved by Council.

BACKGROUND / RATIONALE

The Transportation Master Plan (TMP) is a long-term strategy that guides the planning, development, and management of the City's road and active transportation network. The City undertakes a TMP approximately every seven years, a required plan to support offsite levy updates and ensure that the long-term infrastructure planning aligns with projected growth. The previous plan was completed utilizing data from 2014-2016 and this plan will provide an update based on the new information available as well as considering some new elements of the transportation network such as Active Modes.

To support the continued growth of the active transportation network, missing links and substandard links have been identified. Future links are also shown in the plan illustrating a vision for a well-connected active transportation network throughout the City over the long-term.

This plan also includes a focus on the downtown transportation network. The existing and long-term safety of 50 Avenue was also identified as a concern and further technical analysis was completed for the corridor between Highway 2 and 50 Street to determine long-term solutions that can maintain fluid traffic operations and maximize corridor safety.

STRATEGIC / RELEVANT PLANS ALIGNMENT

The study aligns with many existing City of Leduc plans such as the 2023-2026 Strategic Plan, the Municipal Development Plan, Parks, Open Space and Trails Master Plan and the Urban Center Redevelopment Plan.

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ORGANIZATIONAL IMPLICATIONS

ADMINISTRATION:

Projects identified in this report will be used to update the offsite levy transportation projects into the long-term horizon. Transportation projects are identified and split into four phases; short-term, medium-term, long-term and beyond the long-term. These horizons allow for the complete list of projects to be available to the City while still prioritizing the projects that are needed in the short-term horizon. The first project scheduled for road construction from the plan will be the 74 Street and 50 Avenue roundabout.

Long-term multiway links and active transportation projects have been identified for design and construction to provide a better connected multiway network throughout the City.

RISK ANALYSIS: FINANCIAL / LEGAL:

The most significant update to this TMP from the previous report is that the long-term regional priority along Highway 2 has shifted from the construction of Phase 2 of the 65 Avenue Interchange to the Highway 2A Interchange realignment. While both projects remain planned in the ultimate horizon, Highway 2A is viewed as having a more significant benefit as the City grows while maintaining connectivity between the east and west portions of the City. This change in assumptions has some impacts to other projects, delaying some projects that were required to support 65 Avenue upgrades and advancing projects that will provide connections to the Highway 2A Interchange realignment. Overall, this has reduced the current transportation offsite levy however in the ultimate horizon, impacts are considered net neutral since the overall project list remains unchanged.

IMPLEMENTATION / COMMUNICATIONS:

A range of engagement tools and activities were used to solicit feedback, including social media releases and the City's project website. Other engagement activities were conducted through a mix of in-person, and virtual meetings, a bike tour, and online feedback using Vertisee—an interactive web-based map that allowed participants to post comments geographically. Comments from this engagement have been categorized and summarized in the report outlining various transportation themes.

During the bike tour, respondents received a short questionnaire that discussed design considerations and asked them to highlight specific issues they encounter travelling through the community. An open house is planned in June to present the results of the report to the public.

Following the approval of this plan, a short-term priority for the City should be engaging landowners along 50 Avenue from Highway 2 to 52 Street regarding potential solutions to safety concerns and traffic operational delays. It is recommended that any construction activities associated with the improvements be aligned with capital road construction projects in the area so early engagement will be important to effectively plan for these capital projects

ALTERNATIVES:

That Council direct Administration to make specific amendments to the document before approval.

ATTACHMENTS

- Transportation Master Plan
- TMP PowerPoint Presentation