



Transportation Master Plan Update

Part 1 | Policies

HIGHLIGHTS



March 8th, 2023

Where are we going?

The City of Ottawa is planning for a flexible, dependable, safe and efficient transportation network to meet the evolving needs of residents and businesses across the city.

Guided by the Official Plan and the goal of becoming North America's most liveable mid-sized city, the Transportation Master Plan Update (TMP) is the roadmap for Ottawa's walking, cycling, transit, and vehicular networks. Part 1 of the new TMP – now complete – includes policies and actions to support Ottawa's vision and priorities for growth from now to 2046.



The updated Transportation Master Plan has two parts:

Part 1 (2023) – Policies

Describes how Ottawa will plan, design, build, operate, and maintain its transportation system to achieve the goals of the Official Plan.

Part 2 (2025) – Capital Infrastructure Plan

Will identify the City's planned road, transit, and active transportation (walking and cycling) projects to accommodate Ottawa's expected growth to 2046.



The TMP encompasses all modes of travel; this is a change from 2013, when the Ottawa Cycling Plan and Ottawa Pedestrian Plan were supporting documents.



By 2046, it is expected that Ottawa's population will surpass 1.4 million people.



Ottawa is growing! Over the next two decades, Ottawa will gain approximately 400,000 new residents and 160,000 new jobs. Ottawa is planning to direct just under half of its growth to existing communities – to make use of existing infrastructure and services, to create vibrant neighbourhoods, and to reduce pressures on farmland and the natural environment. The Official Plan aims to create healthy and equitable communities designed around public transit and active transportation. It encourages “15-minute neighbourhoods” where people can meet their daily and weekly needs, like shopping and childcare, within a 15-minute walk.

The *Official Plan* also supports the ambitious targets within Ottawa's *Climate Change Master Plan* to reduce greenhouse gas (GHG) emissions. Given that 42 per cent of Ottawa's emissions are from transportation, shifting trips from private automobiles to sustainable modes of travel is critical. The Official Plan sets a target that, in 2046, the majority of trips will be made by walking, cycling, transit, and carpooling. The new TMP includes policies and actions to advance the Official Plan objectives.

Ottawa is vast. It includes a large rural area as well as the Greenbelt that separates the city's urban neighbourhoods from its suburban communities. This creates transportation challenges, such as long travel distances. The new TMP includes policies and actions that recognize Ottawa's mobility context and that advance the Official Plan's objectives for city building, sustainable transportation, and economic development.



Planning for the future of Ottawa's transportation system requires us to be ready for change.

The COVID-19 pandemic, increasing severe weather events, and rapid advances in technology are just a few examples of changes that continue to influence travel patterns and transportation infrastructure. The new TMP guides transportation into the future by being proactive and adaptable to change.

Through the TMP's public engagement, Ottawa residents have shared many thoughts on how to improve the city's transportation system. The following key themes are important drivers of change and give focus to the policies and actions within Part 1 of the new TMP:



Meet the mobility needs of our growing city



Address climate change



Create a healthy and equitable transportation system



Respond to emerging technologies and trends





How are we getting there?

Ottawa's updated transportation policies will lead the city toward a more sustainable, equitable and change-ready future.



Transportation Master Plan Update

Meet the mobility needs of our growing city



Coordinate land use and transportation planning

- ✓ Design new neighbourhoods as “15-minute neighbourhoods”, with densities and street networks that support transit
- ✓ In the TMP Capital Infrastructure Plan, identify future road and transit projects that support growth and provide access to new development
- ✓ Prioritize more space-efficient modes, like transit and active transportation, to accommodate travel demand, while also completing the city’s road network
- ✓ Improve sustainable transportation infrastructure in existing neighbourhoods to support intensification, as funding permits
- ✓ Explore opportunities to repurpose road space for transit, active transportation or “placemaking” such as patios



Advance regional competitiveness

- ✓ Support efforts to build a rapid transit connection between downtown Ottawa and downtown Gatineau
- ✓ Work with partners in the National Capital Region to provide an appropriate connection for trucks between Highway 417 in Ontario and Quebec Highways 5 and 50
- ✓ Maintain a safe and efficient truck route network
- ✓ Attract and retain residents by providing safe, convenient, and sustainable transportation options
- ✓ Create lively, people-friendly streets that support local business success





Address climate change



Reduce greenhouse gas emissions from transportation

- ✓ In the TMP Capital Infrastructure Plan, identify the transportation infrastructure investments and supporting measures that are required to achieve the City's climate change targets
- ✓ Continue to electrify the City's transit and fleet vehicles, and encourage electrification of privately-owned vehicles
- ✓ Explore best practices to reduce lifecycle GHG emissions (embodied carbon) from transportation infrastructure



Adapt to a changing climate

- ✓ Plant canopy trees along streets wherever feasible to provide shade and to mitigate the effects of extreme heat
- ✓ Build transportation infrastructure that is resilient to future climate conditions, considering flood risk, stormwater runoff, freeze-thaw cycles, and impact on infrastructure durability
- ✓ Minimize or avoid negative impacts on Ottawa's Greenbelt and natural systems



Create a healthy & equitable transportation system



Improve access for people who experience transportation-related barriers

- ✓ Work with partners on consistent design standards that accommodate people of all abilities, and engage the public on where accessibility upgrades should be prioritized
- ✓ Accelerate transportation investments in TMP equity priority neighbourhoods
- ✓ Update transit service planning guidelines and fare policies, with a focus on improving equity
- ✓ Continue to pursue affordable housing near transit stations and along major corridors with frequent street transit routes
- ✓ Develop measures for assessing and monitoring transportation equity, building on the work of the TMP



Continue to invest in safe and healthy “complete streets”

- ✓ Take advantage of planned construction work to create “complete streets” that offer safety, comfort, and mobility for all users of the street
- ✓ Expand and connect the City’s pedestrian and cycling networks, including a focus on major barriers
- ✓ Add safe pedestrian crossings to make it easier to cross the road
- ✓ Within the TMP Capital Infrastructure Plan, review opportunities to fund additional “complete street” improvements
- ✓ Continue to implement projects from the City’s *Road Safety Action Plan* to prevent collisions resulting in serious injury or death





Make it easier to walk, bike or take transit



- ✓ Design streets for lower vehicle speeds, space for trees and greenery, and a vibrant public realm
- ✓ Avoid widening streets beyond four mid-block car lanes, to create streets where people feel comfortable walking and spending time
- ✓ Seek additional operating funding for transit from other levels of government to attract new riders and better meet the needs of existing riders
- ✓ Invest in neighbourhood pathway “shortcuts”
- ✓ Continue to expand the winter cycling network and invest in year-round walking and cycling routes to rapid transit stations
- ✓ Promote walking and cycling to school through infrastructure, changes to street operations, and school travel programs



Respond to emerging travel technologies and trends



Use data to manage change

- ✓ Collect new types of data to better understand evolving travel patterns
- ✓ Monitor and make real-time changes in response to traffic conditions, and continue to improve real-time traveler information
- ✓ Optimize the efficiency of existing roadways and transportation infrastructure, including through traffic signal changes
- ✓ Rethink how curbside space is allocated, given competition between parking, deliveries, bike lanes, bus lanes, patios, passenger pick-up and drop-off, and other emerging uses
- ✓ Optimize the efficiency of existing roadways and transportation infrastructure, including through traffic signal changes



Leverage new mobility technologies and services

- ✓ Review opportunities for on-demand transit to enhance transit service
- ✓ Enable the provision of shared micro-mobility services such as bike share to increase travel options and encourage multimodal trips
- ✓ Support the use of smaller, human-powered and electric vehicles for delivering goods
- ✓ Work with partners on Autonomous Vehicle initiatives that promote Ottawa as a leader in self-driving vehicle technology
- ✓ Ensure that new technologies align with objectives such as improving accessibility for people with disabilities, supporting transit, and making streets safer for vulnerable users





Where to next?

The policies and actions in Part 1 of the TMP will help inform Part 2 – Capital Infrastructure Plan.



The TMP Capital Infrastructure Plan will contain Ottawa's planned road, transit, and active transportation (i.e. walking and cycling) networks, projects, and investment priorities.

This work will follow the Ontario Environmental Assessment process and will involve additional analyses and public consultation. It will include:

- Analyzing travel survey data to forecast future trends and expected demands
- Identifying project priorities to meet future travel needs to 2046
- Setting targets for the share of trips being made by each mode of travel
- Evaluating different scenarios for investing in transportation projects, considering mobility outcomes, greenhouse gas reduction targets, and affordability

It is expected that Part 2 of the TMP, the Capital Infrastructure Plan, will be completed by 2025.



2022

**Conduct
Origin-Destination
Survey**



2023

**Assess travel
trends, forecast
future demand,
identify needs
and opportunities**



2024

**Develop future
transportation
networks**



2025

**TMP Part 2:
Capital
Infrastructure Plan**





Follow and become involved in the Transportation Master Plan:



Download the
complete Part 1 TMP

Click the link above or visit:

<https://engage.ottawa.ca/11511/widgets/45934/documents/100589>



Follow the Part 2
TMP Process

Click the link above or visit:

<https://engage.ottawa.ca/transportation-master-plan>

