

**City Operations  
Parks & Roads Services**

**Edmonton**

# **CO01784 Real Time Traffic Monitoring Review**

**Urban Planning Committee - October 31, 2023**

Craig McKeown, Branch Manager of Parks and Roads Services

Shewkar Ibrahim, Director of Traffic Operations

Janis Chow, General Supervisor of Signals & Street Lighting

# Supporting All Modes of Travel

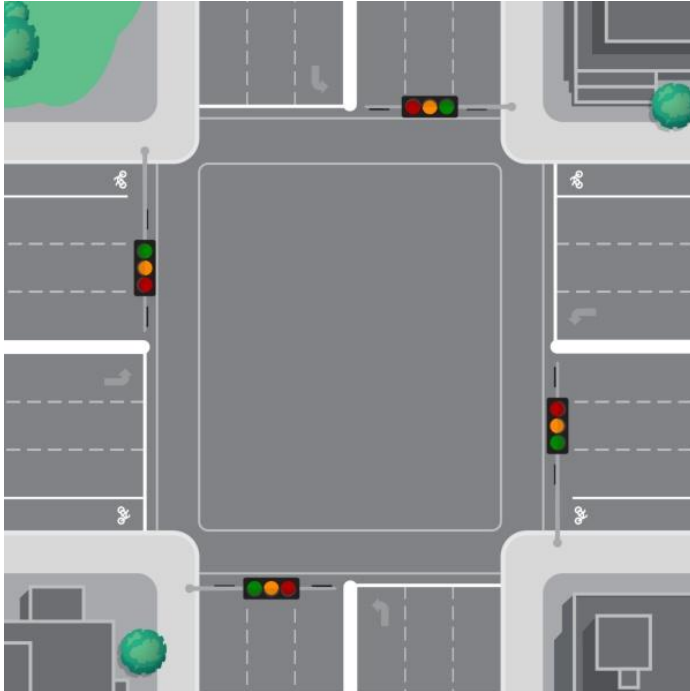


Safe, efficient movement through the mobility network for all modes supports active travel and climate resilience

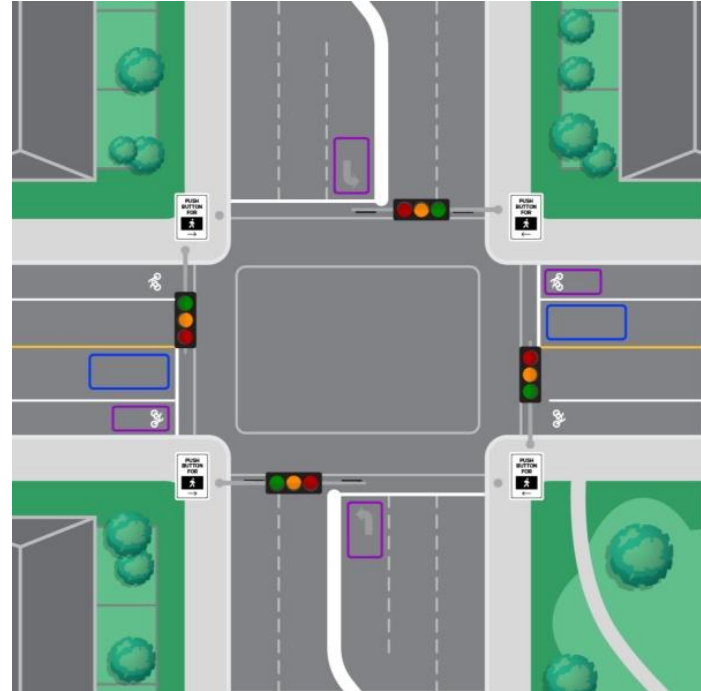
- Pedestrians
- Micromobility
- Transit
- Vehicles

# Edmonton's Traffic Signals

## Fixed-Time Signals



## Actuated Signals



## Jurisdictional Scan



Edmonton's approach is similar, compared to other cities

- Technology to detect traffic and collect data
- Traffic signals and signal timings
- Push buttons for pedestrian detection
- Accessible (audible) pedestrian signals in all new traffic signals

# Traffic Signals Program

Edmonton's Historical Growth (2013-2023)	
Geographic Size	□12%
Device Inventory	□46%
Staff Resources	<i>no change</i>

- Limited resources for proactive signal timing changes
- No capital funding for new traffic signals

## Next Steps



Comprehensive review in 2024

- Alignment with The City Plan
- Updated traffic signal guidelines
- Options for service enhancements
- Budget and resource requirements

**Thank you. Questions?**