



# Draft 2040 Transportation Master Plan

Keep Kelowna Vibrant. Keep Kelowna Moving.



# Draft 2040 Transportation Master Plan

- ▶ Sets the direction for a vibrant city where people and places are **conveniently connected** by diverse **transportation options**.
- ▶ A long-term, **citywide** plan for transportation improvements that will help **keep Kelowna moving**, now and into the future.



# Imagine Kelowna



- ▶ The TMP puts the Imagine Kelowna community **vision into action**.
- ▶ Imagine Kelowna is a vision **for the community, created by the community**, that envisions a Kelowna that is connected, smarter, responsible, and collaborative.



# The Draft TMP recognizes:

- ▶ Kelowna is growing
- ▶ Our climate is changing
- ▶ Our transportation needs are evolving



# TMP Recommendations will:

- ▶ Reduce the growth of traffic congestion and emissions
- ▶ Make it easier for more people to walk, bike and take transit
- ▶ Help people of all ages and abilities get around
- ▶ Create a future where everyone has the opportunity to fully participate in the City's prosperity



# 2040 Targets

Ambitious, yet achievable with the actions proposed in the TMP:

- ▶ Double transit ridership
- ▶ Quadruple the number of trips made by bicycle
- ▶ Reduce the average distance driven per person 20 per cent



City of Kelowna



# TMP Goals



Improve  
travel choices



Optimize  
travel times



Enhance  
travel affordability



Foster a  
growing economy



Enhance  
urban centres



Be innovative  
and flexible



Improve  
safety



Protect the  
environment



Ensure value  
for public investment



Improve  
health



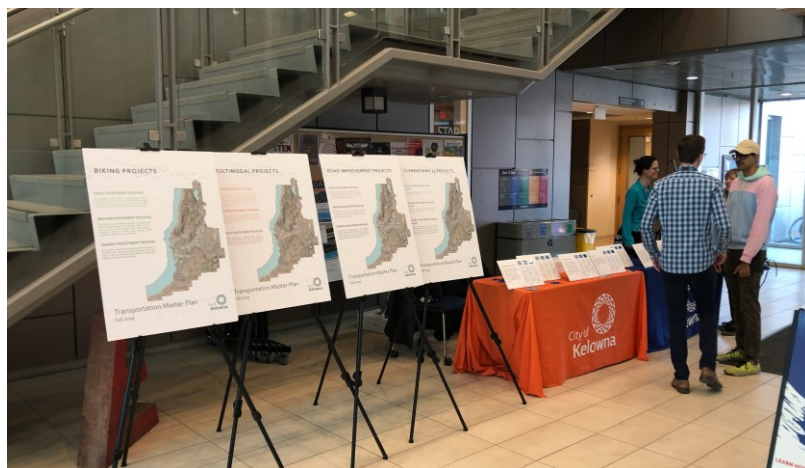
Promote inclusive  
transportation



Support livable  
communities

# TMP Development

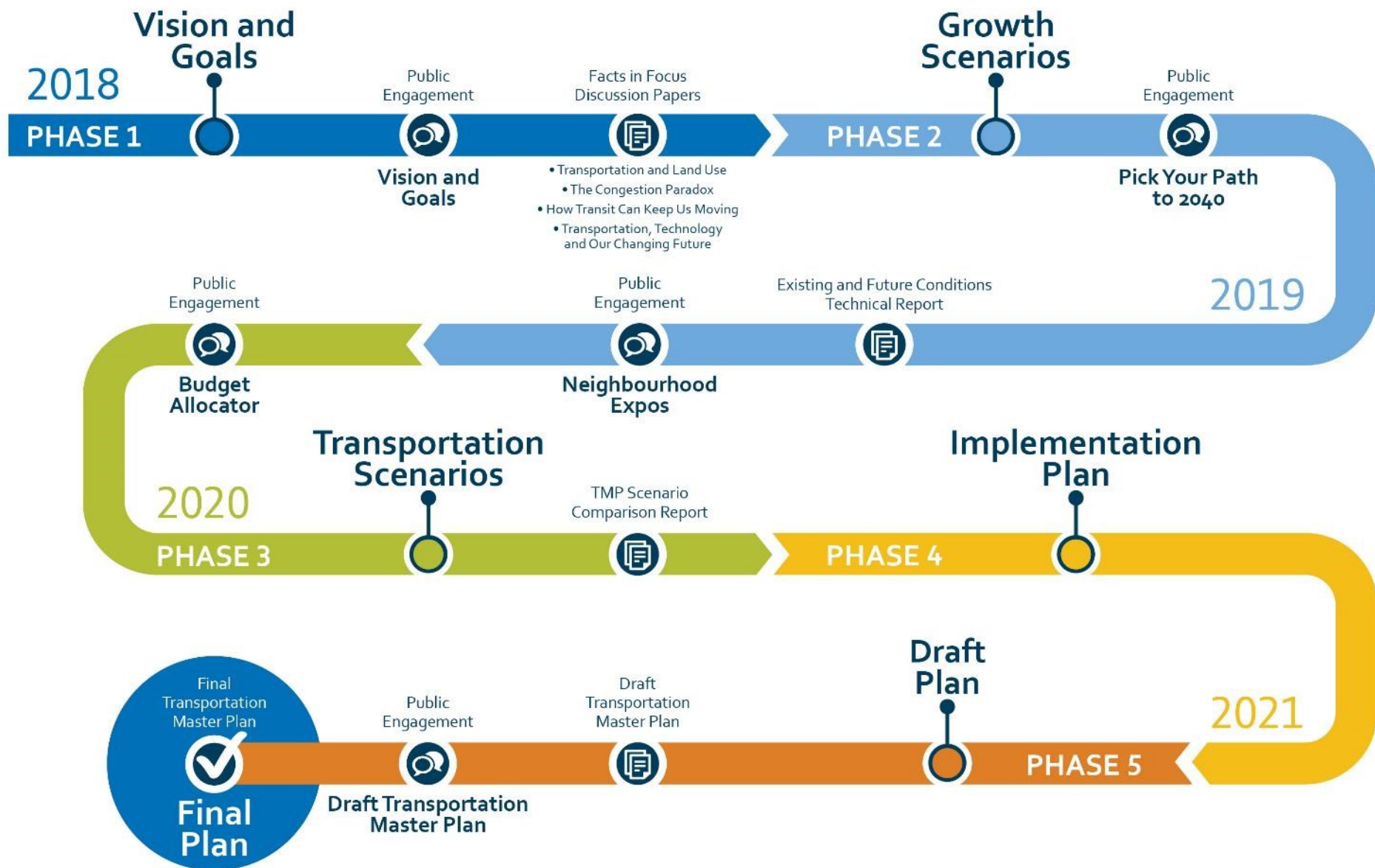
- ▶ Five-phase, multi-year technical and community engagement process
  - ▶ 14 presentations to Council
  - ▶ 4 Major Public Engagements
  - ▶ 3,000 + survey respondents



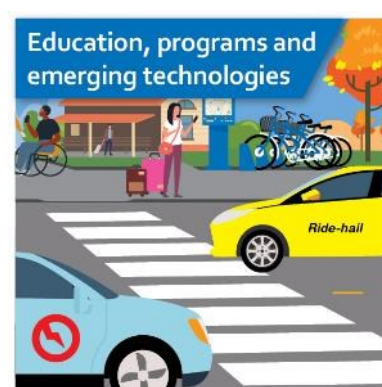
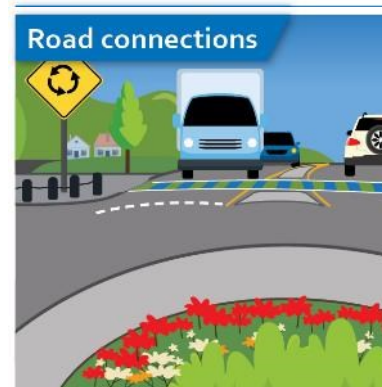


# Coordination with other Plans





# TMP Recommendations





## Maintenance and renewal



- ▶ Residents told us maintaining and renewing existing infrastructure is a high priority
- ▶ The TMP recommends increasing investment in maintenance and renewal by 30 per cent
- ▶ Examples: fixing potholes, repairing sidewalks, replacing aging infrastructure, snow clearing

# Transit



Critical for supporting the 2040 OCP. Best option for shifting trips too long to walk or bike. Highlights include:

- ▶ New transit operations centre
- ▶ Harvey Ave dedicated transit lanes
- ▶ Transit priority infrastructure
- ▶ Transit exchange and bus stop improvements

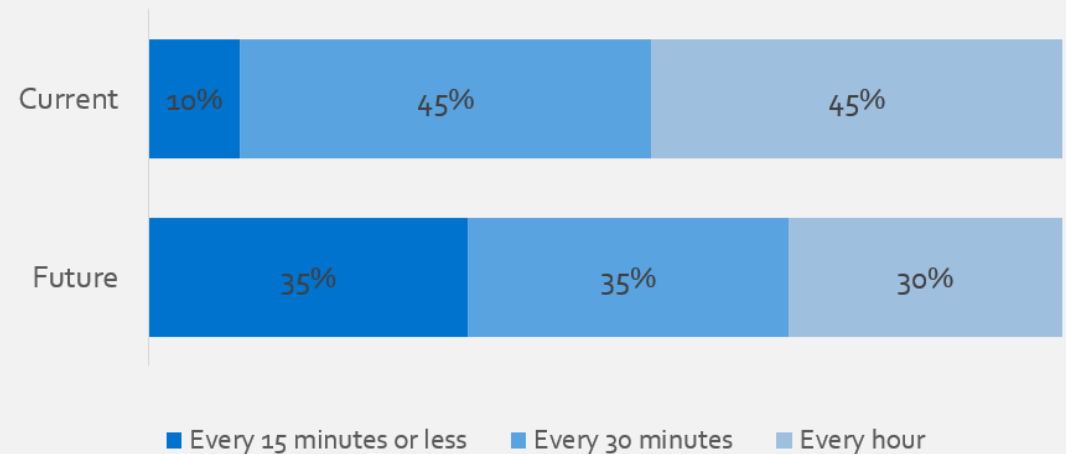
# Transit



- ▶ More frequent transit service, including the Transit Supportive Corridors identified in the 2040 OCP
- ▶ More routes coming every 10 – 15 minutes
- ▶ +65% increase in transit service hours

## More frequent service throughout the day

Share of transit service by frequency on a fall weekday





# Road connections



Carefully selected, cost-effective investments that will improve traffic safety, support economic growth, optimize travel times and develop more complete streets – without encouraging more driving. Highlights include:

- Extension of Hollywood Road from McCurdy to UBC Okanagan
- Extending Clement Avenue from Spall Road to Highway 33 (in conjunction with dedicated transit lanes on Harvey Avenue)
- Improving Rutland Road for vehicles and so more people can safely bike, walk and take transit

### Estimated Project Timing

2021 - 2025

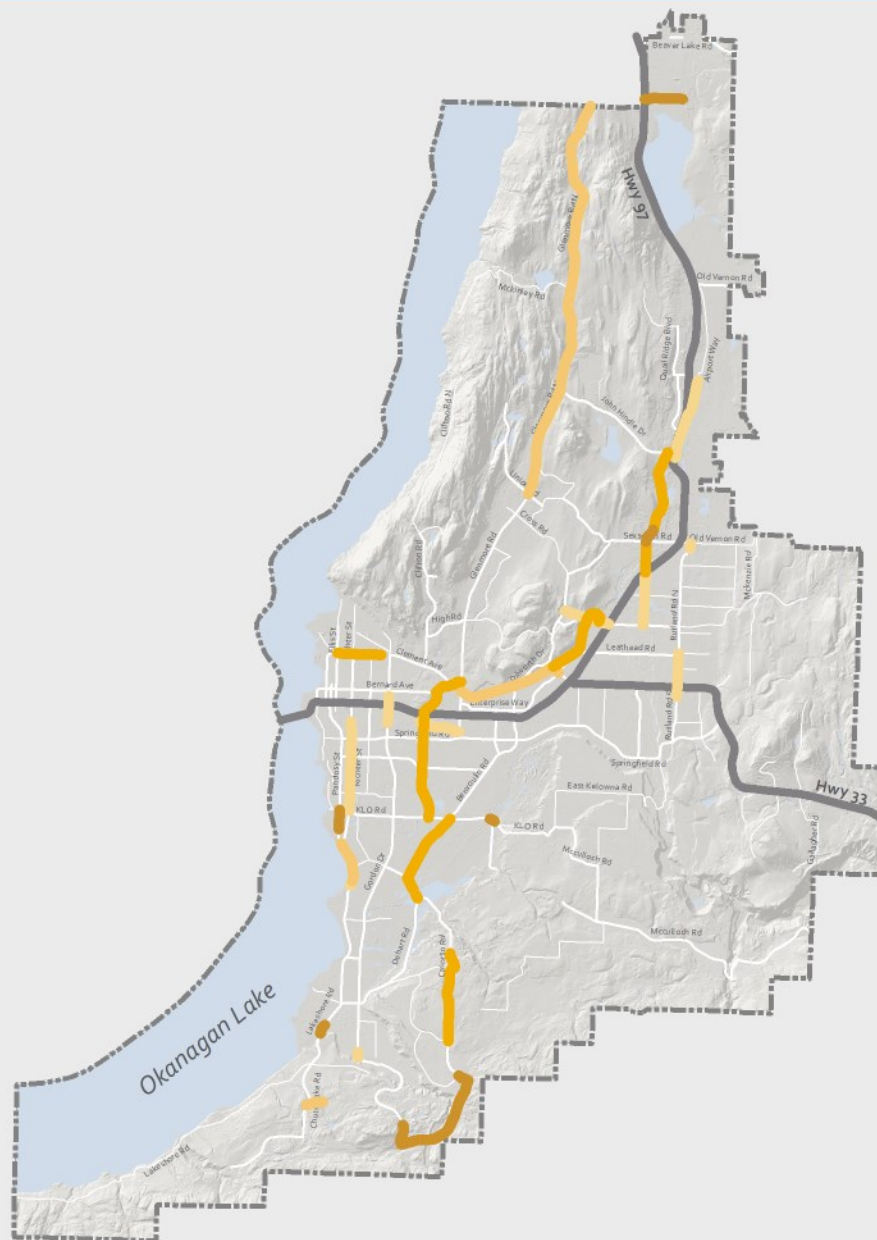
2026 - 2030

2031 - 2035

2036 - 2040

City Boundary

Highway

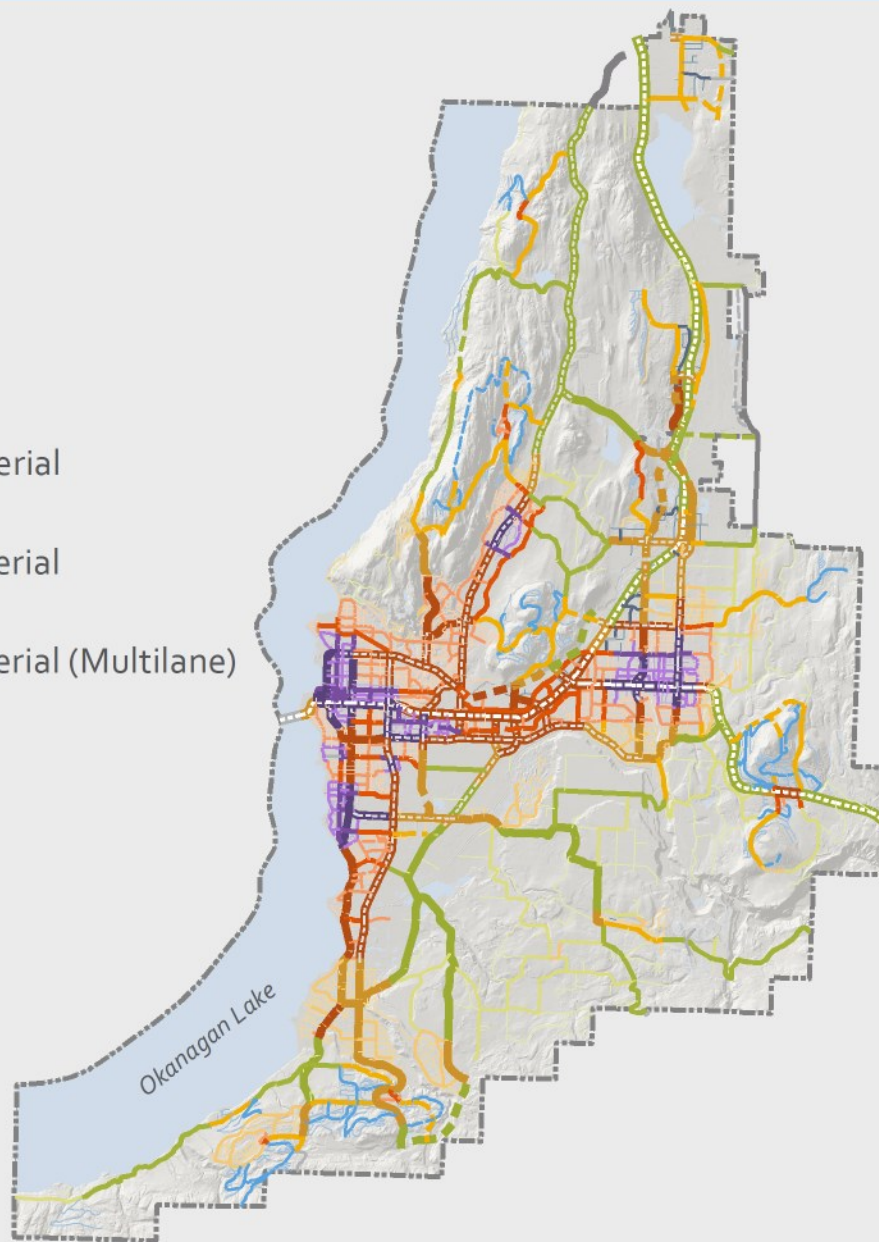


### Land Use Context

- Urban Centre
- Core Area
- Industrial
- Suburban
- Hillside
- Rural
- External

### Road Class

- Local
- Collector
- Minor Arterial
- Major Arterial
- = Major Arterial (Multilane)
- = Highway





# Biking



Biking is an affordable, healthy and sustainable way to get around and can offer travel times competitive with driving for trips under 5 km. The key to making biking attractive is building a network of comfortable routes protected from traffic. Highlights include:

- ▶ Connect Okanagan Rail Trail and Greenway
- ▶ Glenmore multi-use pathway (Scenic to JHD)
- ▶ New protected routes Downtown (Bertram and Leon-Lawrence)

— 2021 - 2025

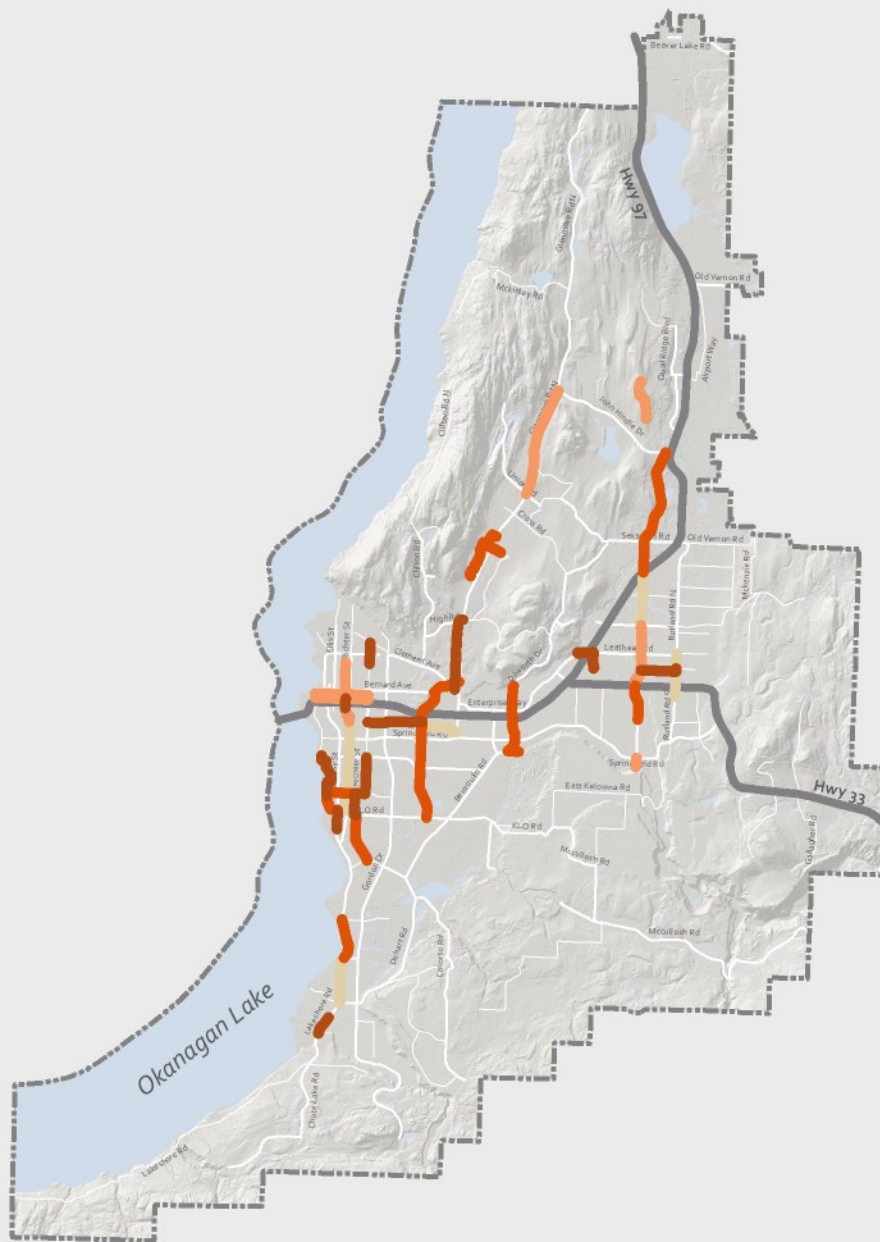
— 2026 - 2030

— 2031 - 2035

2036 - 2040

 City Boundary

— Highway



## Neighbourhood streets



A cornerstone of the 2040 OCP is creating walkable neighbourhoods in our core and urban areas. Safe, walkable neighbourhood streets are vital for helping Kelowna grow without gridlock. Highlights include:

- ▶ Neighbourhood traffic calming
- ▶ Crosswalk safety, signals and flashers
- ▶ Sidewalk network expansion



# Education, programs and emerging technologies



Not all investments in transportation involve building new infrastructure. Education and incentive programs can help people learn how to use and enjoy new ways of getting around. Highlights include:

- ▶ Bicycle skills training
- ▶ Bicycle maps and wayfinding
- ▶ Safe routes to school expansion
- ▶ Emerging technology options and education
- ▶ Transit travel training
- ▶ Accessibility Transition Plan

# Key Refinements to Scenario 2

*"Investigate low-cost alternatives to addressing traffic from the South Mission"*

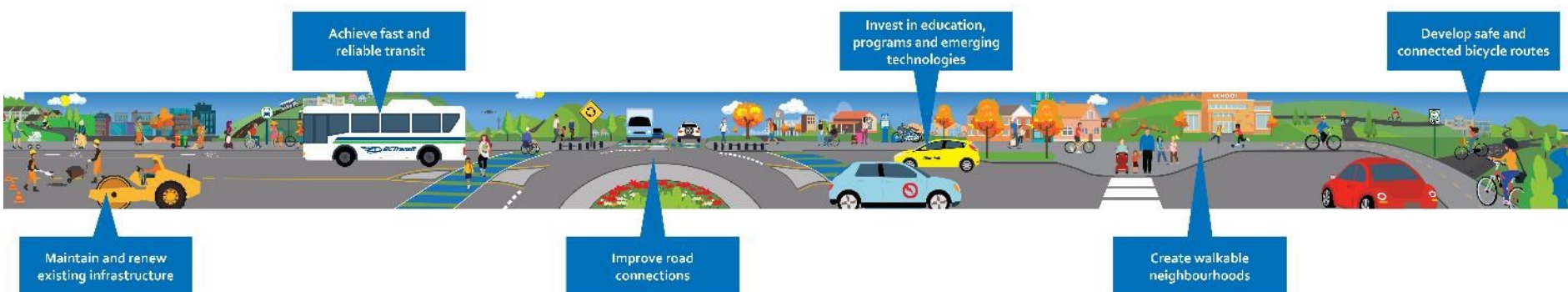
Projects added to the Draft 2040 TMP:

- ▶ Frost Road connection (Killdeer – Chute Lake)
- ▶ Casorso Roundabouts
- ▶ Benvoulin Capacity Optimization

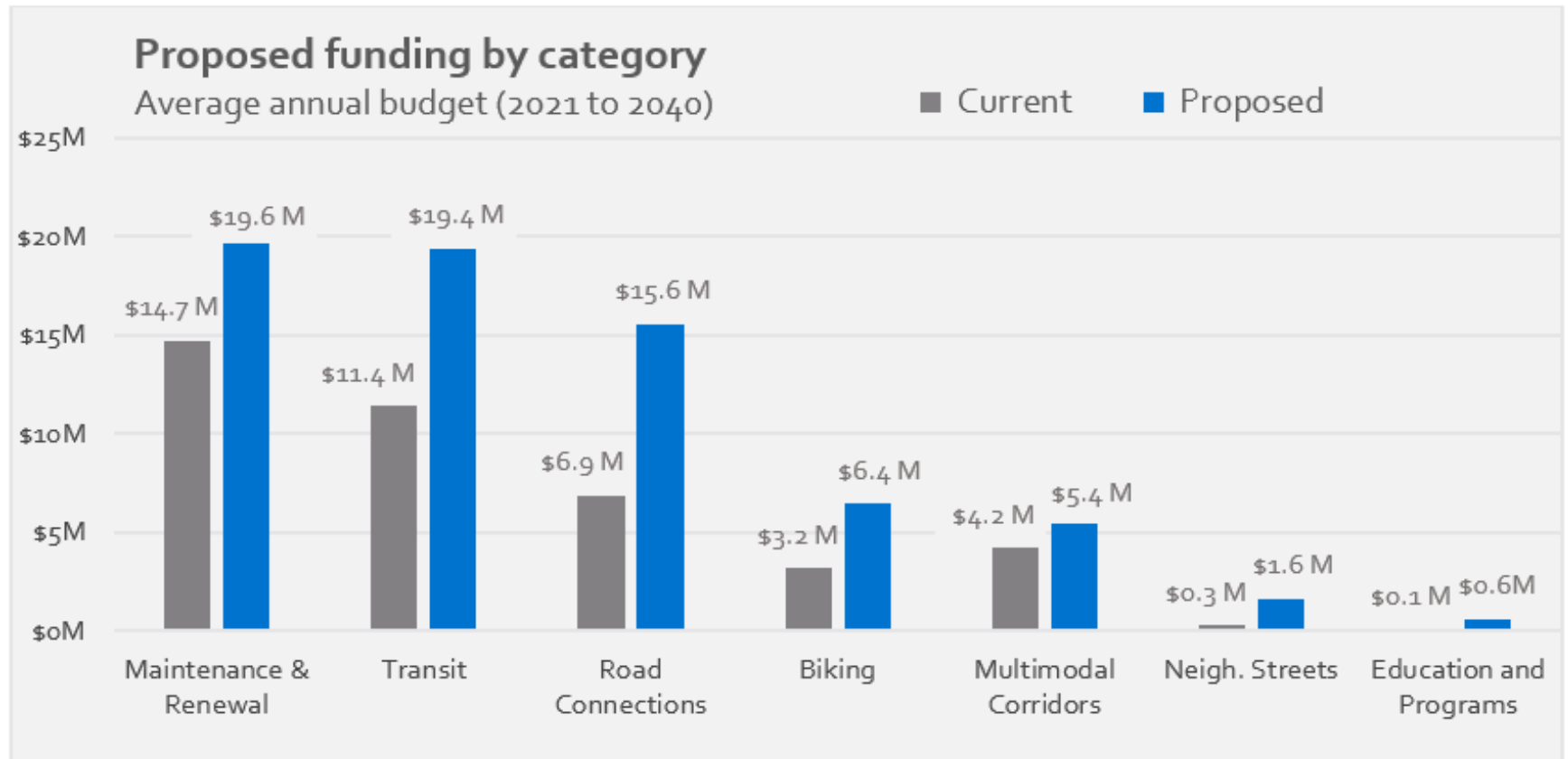
Cost-effective ways to maximize the capacity of our existing infrastructure before triggering more costly upgrades

# Funding the Plan

- ▶ Recommendations carefully selected to **maximize benefits** to our residents, businesses and community, at the **best price tag** possible
- ▶ Developed using a **financial lens** to ensure the plan is **realistic**
- ▶ Proposed budget based on what we heard from the public regarding balancing improved **transportation outcomes** and **managing costs** responsibly.

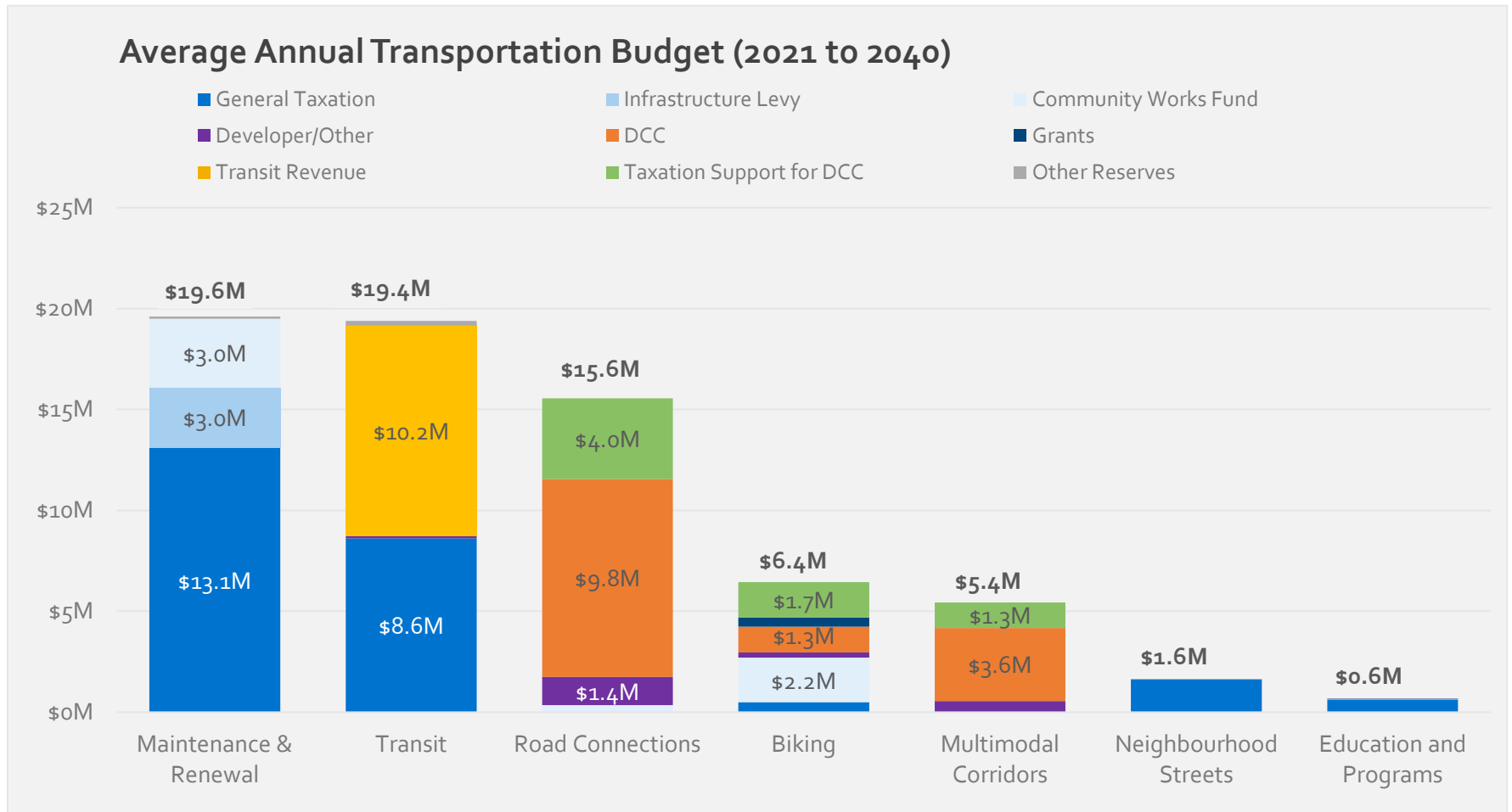


# Investment by Category



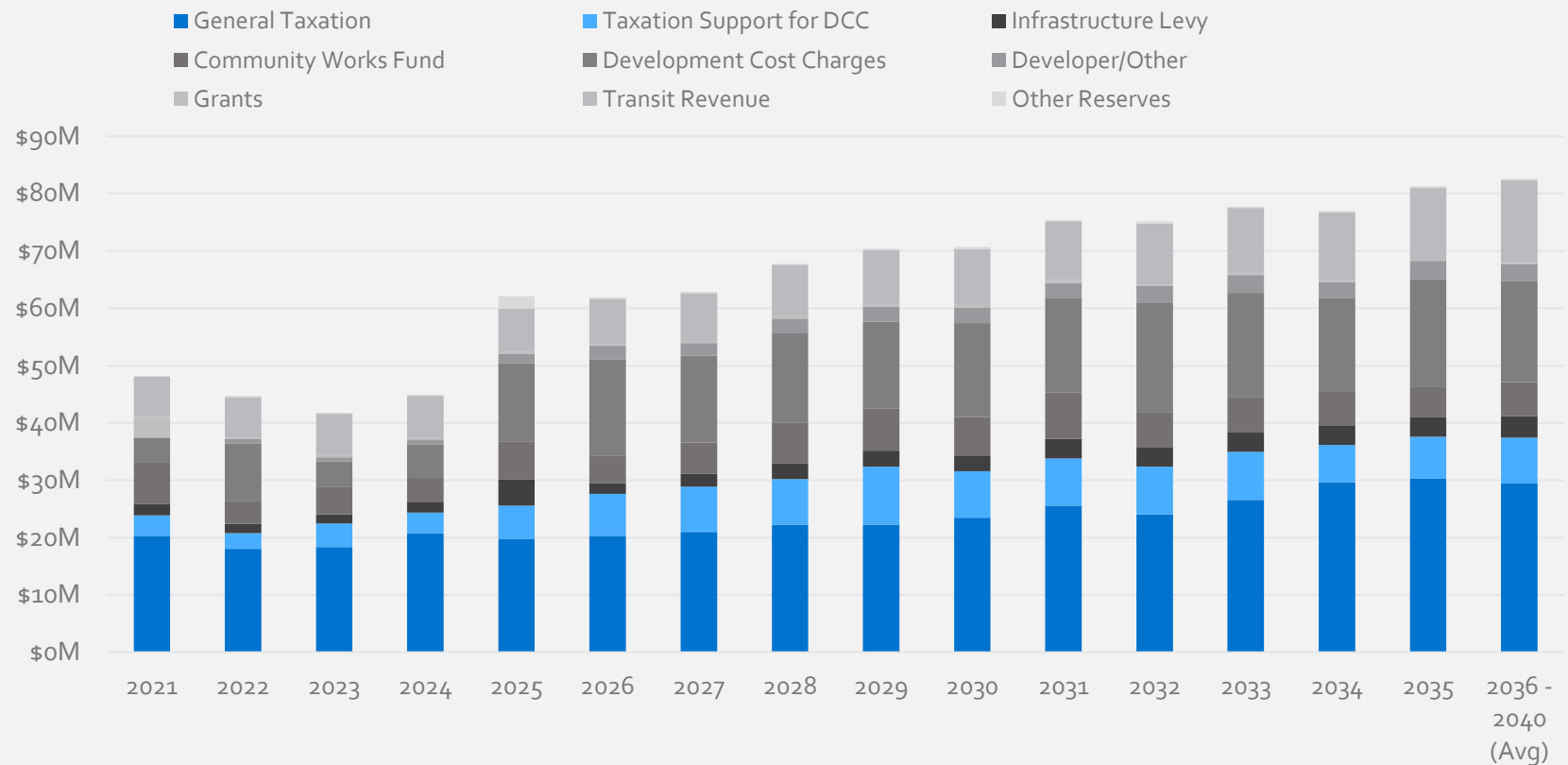


# Funding Sources



# Phased Implementation

Capital and Operating Forecast, by Funding Sources



# Monitoring our Progress

TMP Goal	Performance Metric
Improve travel choices	Number of trips by walking, biking and transit
Optimize travel times	Key corridor vehicle travel times
Enhance travel affordability	Vehicles per capita
Foster a growing economy	Average commute times
Enhance urban centres	Investments connecting higher density urban areas
Be innovative and flexible	Trips by emerging modes (shared mobility/ride-hailing)
Improve safety	Traffic related injuries and fatalities per capita
Protect the environment	Transportation emissions
Improve health	Share of students driven to school
Promote inclusive transportation	Share of low-income residents close to frequent transit and primary bike routes
Support livable communities	Sidewalk completeness in core area

# Next Steps

- ▶ Draft TMP Stakeholder and Public Engagement (Sept - Oct)
- ▶ Final 2040 TMP endorsement (Dec)



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