



# Transportation Master Plan

## Option Categories and Investment Packages

Nov 18, 2019

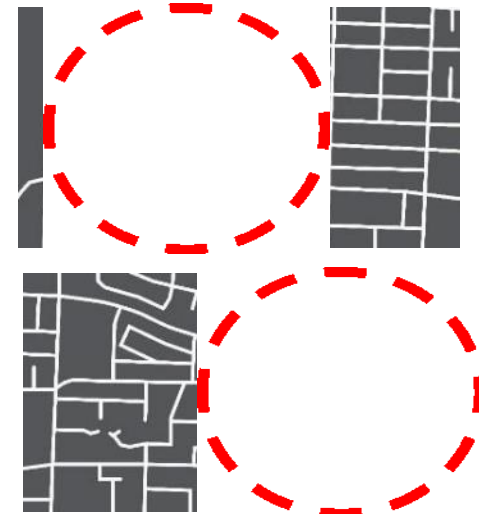
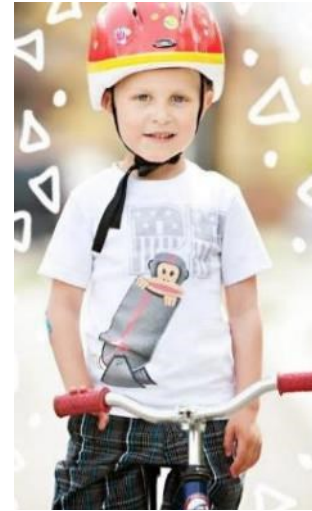
# Transportation Master Plan Phases and Milestones



# Existing and Future Conditions



- ▶ Shift as many future trips as possible to more space-efficient, sustainable travel modes
- ▶ Develop a well-connected complete urban street network
- ▶ Seek “healthy” levels of congestion







# Option Development



# Transportation “Options”

- ▶ Projects (Traditionally Infrastructure)
  - ▶ E.g. Build a new road, cycle track, transit exchange, pedestrian crossing, etc.
- ▶ Programs
  - ▶ E.g. Safe Routes to School Program, Traffic Calming Program, Transit Pass Program, Bike Skills Training / Education Program, Bikeshare Program, etc.
- ▶ Policies
  - ▶ E.g. Safety Policy, Design Standards, Parking Regulations, Congestion Pricing, etc.

# Option Development . . .

- ▶ From existing plans and policies
- ▶ From technical analysis
- ▶ From public and stakeholder input

# from existing plans and policies . . .

- ▶ 10-Year Capital Plan (2019 – 2028)
- ▶ Capri-Landmark Urban Centre Plan (2019)
- ▶ Central Okanagan Transit Future Action Plan (2018)
- ▶ Community Climate Action Plan (2018)
- ▶ Pedestrian and Bicycle Master Plan (2016)
- ▶ Urban Centres Roadmap (2016)
- ▶ Kelowna's Community for All Plan (2016)
- ▶ Hospital Area Plan (2016)
- ▶ Central Okanagan Clean Air Strategy (2015)

# from technical analysis . . .

- ▶ Review of Existing and Future Conditions
- ▶ 30 Opportunities/Challenges to Keep Kelowna Moving

Walking	1	Design for Walkability in the Urban Centres
	2	Connect the Pedestrian Network in the Core Area
	3	Shift Short Trips to Walking
	4	Ensure People Walking Feel Safe
	5	Create Flexible and Adaptable Pedestrian Spaces
Biking	6	Shift Trips within the Core Area to Biking
	7	Increase Perception of Biking as a Safe Mode of Travel
	8	Make Biking Accessible to More People
	9	Integrate Bicycles with Transit
	10	Build-out a Complete Bicycle Network
Transit	11	Focus Growth near Frequent Transit and Ensure Multimodal Access
	12	Increase Transit Investment where Effective to Serve Growing Demand
	13	Speed Up Transit and Make it More Reliable
	14	Maximize Benefits of Technology Change on Transit
	15	Collect High Quality Data to Support Transit Planning
Driving	16	Growth in Downtown and South <u>Pandosy</u>
	17	Continued Growth in Suburban Hillside
	18	Increasing Travel Demand through Midtown
	19	Employment Growth Along Highway 97
	20	Reduce the Frequency and Severity of Traffic Collisions
	21	Develop a Well-Connected, Complete Urban Street Network
Shared Mobility	22	Expand and Improve Bikeshare and other Emerging Options
	23	Attract One-way <u>Carshare</u>
	24	Prepare for the Arrival of Ride-Hailing
	25	Prepare for the Arrival of Autonomous Vehicles
Programs	26	Build Community Capacity
	27	Enhance Safe Routes to School
	28	Improve Transit Passes and Payment
	29	Manage the Curb
	30	Move Toward Parking On-Demand



# from technical analysis . . .



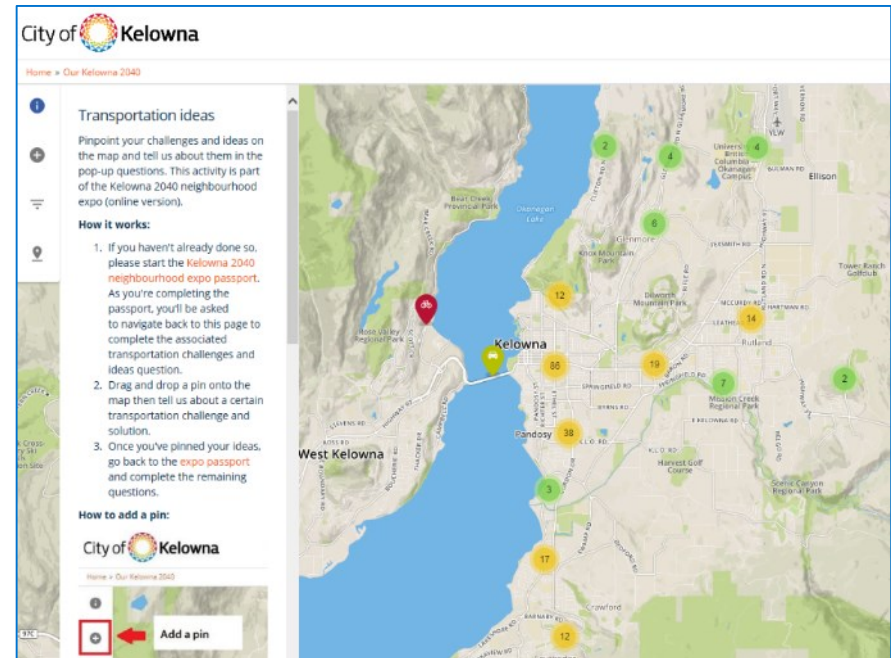
- ▶ Review of TMP Vision
- ▶ Option ideas to achieve that vision by 2040



# from public and stakeholder input . . .



- ▶ 2040 Neighborhood Expo Public Engagement
- ▶ Interactive Mapping Tool
  - ▶ 242 option ideas
  - ▶ 65 contributors
- ▶ Stakeholder Interviews
- ▶ OCP/TMP Stakeholder Workshop
- ▶ Phase 1 Vision and Goals





# Option Screening and Sorting



# Options “Long List”

- ▶ Over 700 options

Screening:

- Removed redundancies
- Removed fatal flaws
- “Bundled” for evaluation

= Over 400 options





# Public Engagement




# Build your own TMP


- ▶ Budget Allocator Tool
- ▶ 3 Investment Levels:
  - ▶ Basic Investment Package
  - ▶ Medium Investment Package
  - ▶ Highest Investment Package
- ▶ “Business As Usual” Transportation Budget out to 2040
- ▶ Mapping tool


## EDUCATION AND INCENTIVE PROGRAMS

Not all investments in transportation involve building new infrastructure. This category includes policies and programs focused on reducing congestion, which typically have a strong return on investment.

- ☐ Basic Investment Package \$100k

The City maintains current levels of spending for programs like Bike to Work Week, bike training for kids, and transit pass programs, etc. Reductions in future traffic congestion would be minimal. 
- ☐ Medium Investment Package \$2.10m

The City does everything in the Basic Package and adds funding for current programs and some new programs. Examples of new programs include working with major employers to provide more discounted...[Read More](#) 
- ☐ Highest Investment Package \$7.30m

The City does everything in the Basic and Medium Packages and also takes on a more significant role in funding and delivering education and incentive programs. Examples of new programs in this package...[Read More](#) 

# Key Issues & Trade-offs



- ▶ Imagine Kelowna and TMP Vision achievement will likely require changes to how the City invests in transportation
- ▶ Budget Allocation
  - ▶ Ability to “dial up or down” within each category
- ▶ Total Budget:
  - ▶ Ability to increase or decrease spending
    - ▶ Property tax rates
    - ▶ Alignment with OCP endorsed Growth Scenario
    - ▶ Pace of Imagine Kelowna achievement

# Maintenance and Renewal (all modes)

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- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package





# Education and Incentive Programs

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- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package



# Shared Mobility and New Technology

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- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package







# Neighbourhood Streets

- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package

# Biking

- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package





# Transit

- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package





# Multimodal Urban Corridors

- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package





# Road Improvements and Connections

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- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package





# Clement / Highway 33 Extension



- ▶ Basic Investment Package
- ▶ Medium Investment Package
- ▶ Highest Investment Package



# Public Engagement

- ▶ Budget Allocator Tool & Questionnaire
- ▶ Stakeholder Workshop
- ▶ Student Focus Group at UBCO
- ▶ In-person events
- ▶ Marketing / Social Media Campaign



# Next Steps



# Technical Evaluation

The options will be evaluated using a Multiple Accounts Evaluation Framework & Regional Travel Model

- ▶ Policy Alignment
- ▶ Benefits
- ▶ Costs

## TMP Goals





# Preliminary Recommendations

- ▶ Engagement Results + Technical Evaluation =
  - ▶ comprehensive suite of recommended transportation policies, programs and projects to service future growth
  - ▶ Informed by public values related to benefit and cost trade-offs



# Next Steps

- Public Engagement (Nov 18<sup>th</sup> – Dec 6<sup>th</sup>)
- Technical Evaluation (Nov/Dec/Jan)
- Preliminary Recommendations  
(winter/spring 2020)
- Draft Plan (summer 2020)