



2-WAY
LEFT
TURN
LANE

BEGIN



The Congestion Paradox

August 13th, 2018



Transportation Master Plan Facts in Focus Series



Transportation Master Plan Phase 1 Consultation

Responding to themes heard in feedback during the
TMP Phase 1 engagement;

- ▶ The Cost of Widening Roads
- ▶ The Budget for Transportation
- ▶ What Does 'Car-Centric Culture' Mean?

The Cost of Widening Roads

- ▶ If we do not find ways to reduce the impact of congestion, our economy and quality of life will suffer



City of Kelowna

The Cost of Widening Roads



- ▶ Kelowna's road network is shaped by its context.
- ▶ Roadways on the edges of the City are constrained by topography, water and agricultural lands.
- ▶ Roadways in the core are constrained by existing neighbourhoods and businesses.

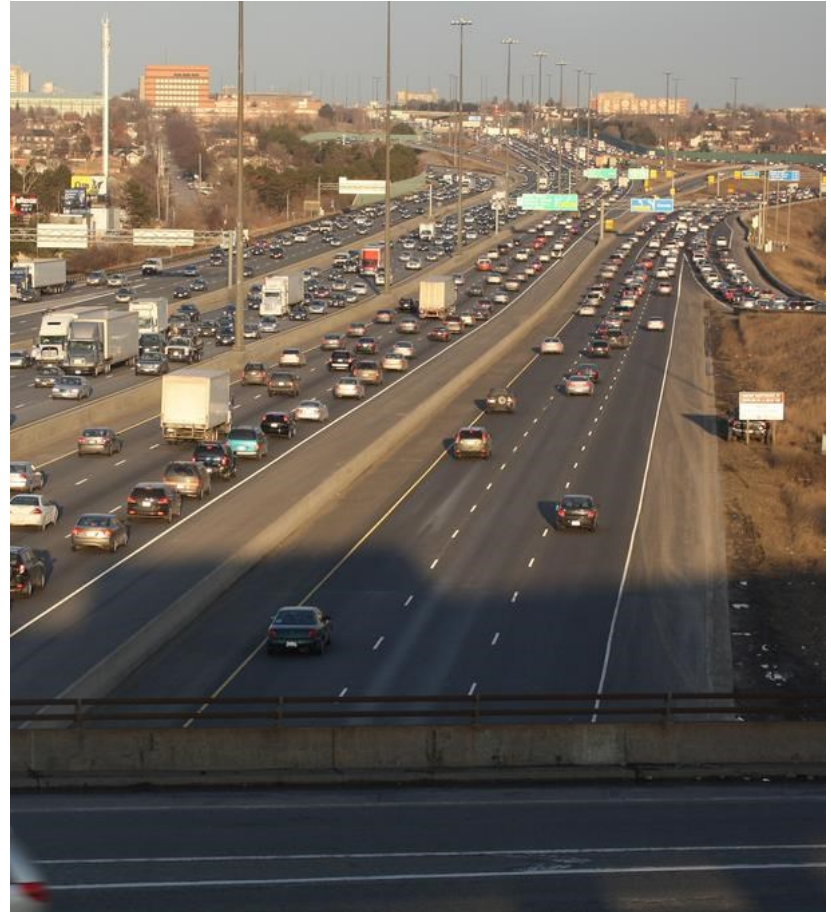
The Cost of Widening Roads



- ▶ The estimated cost to widen a major road in the core is \$26m per kilometre
- ▶ Space in the core of the city is limited

The Congestion Paradox

- ▶ When roads are expanded, people adjust their routines
- ▶ Driving faster allows people to live further, shaping development patterns.
- ▶ This rebound effect occurs even without population growth



The 401 – Danielle Scott

Building more roads may ease the pressure for a time, but will also make Kelowna a less safe, attractive, and healthy place to live.

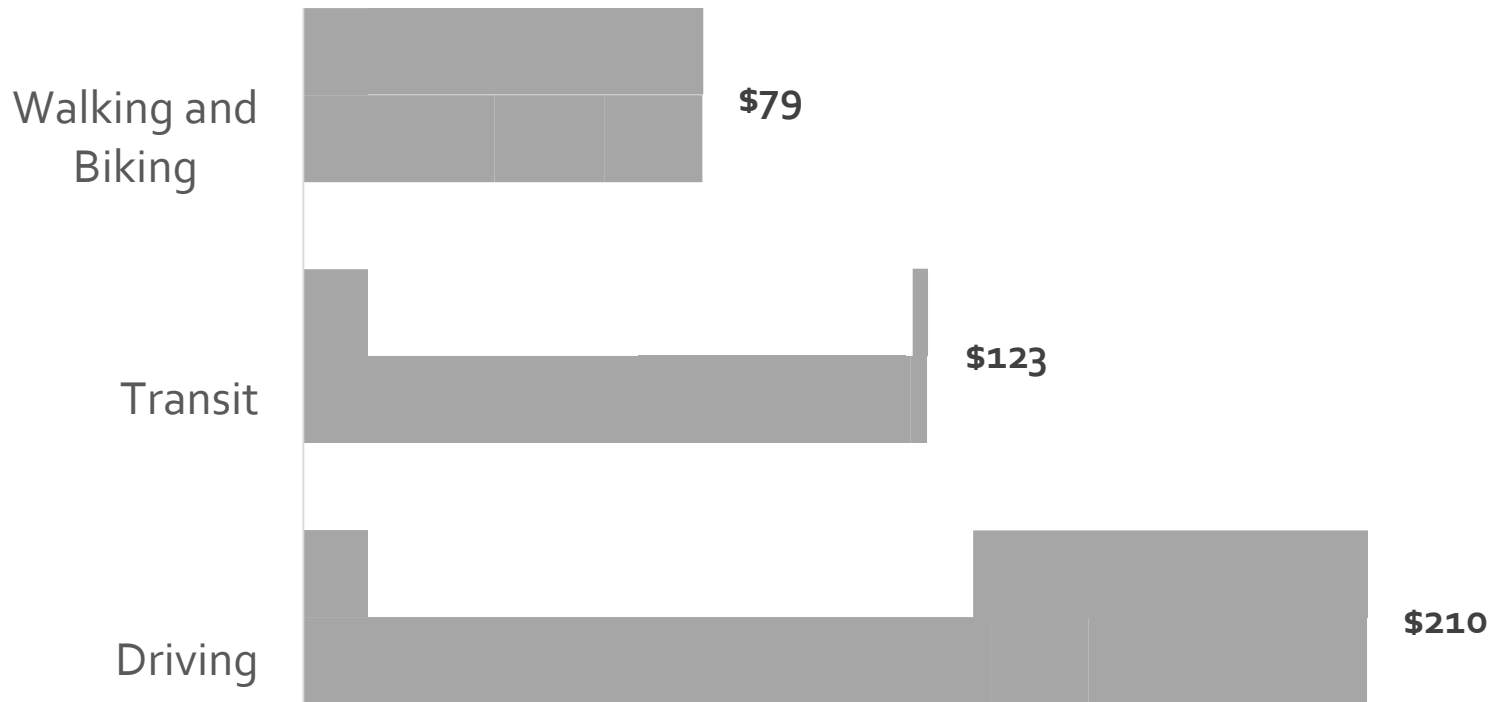


Metro ATL Pedestrians – Stephen Lee David



The Budget for Transportation

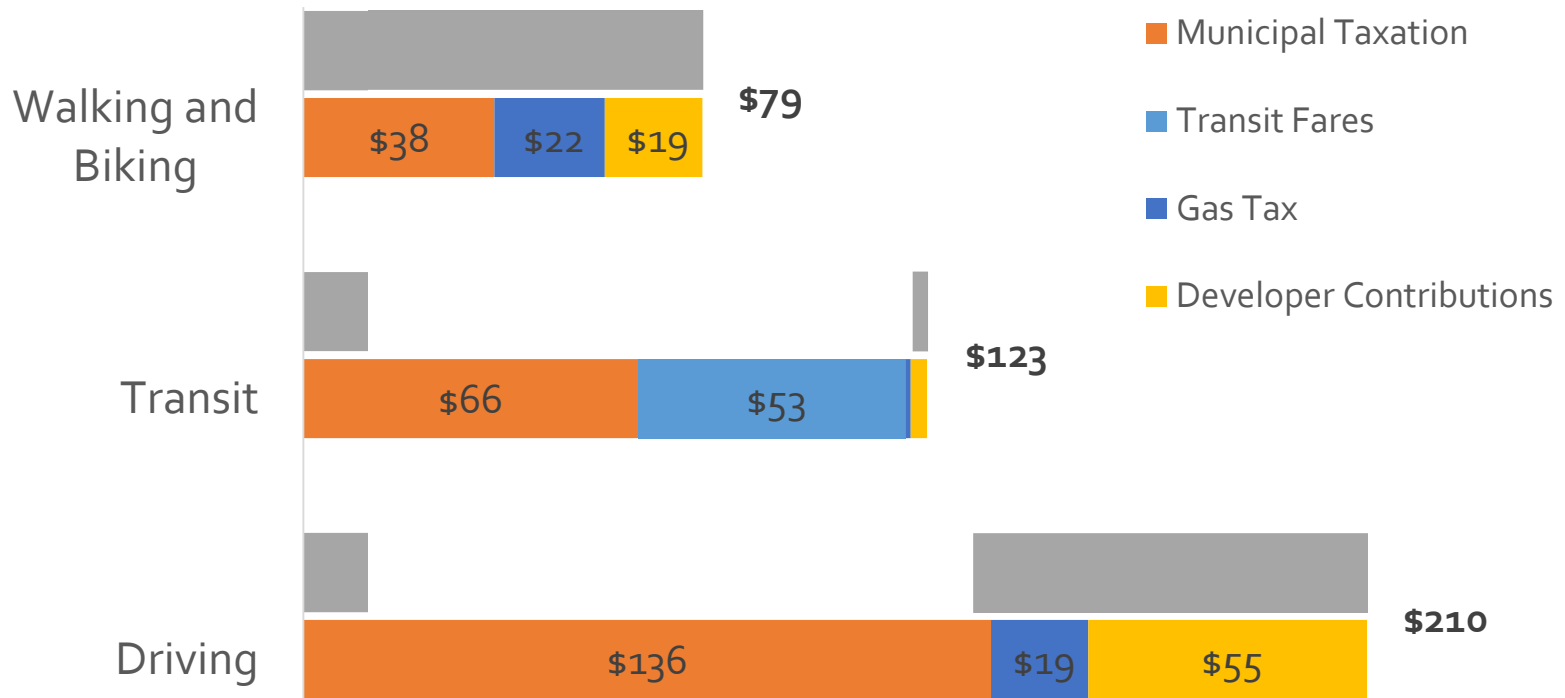
Budgeted Municipal Spending (Millions), 2018-2027



City of Kelowna

The Budget for Transportation

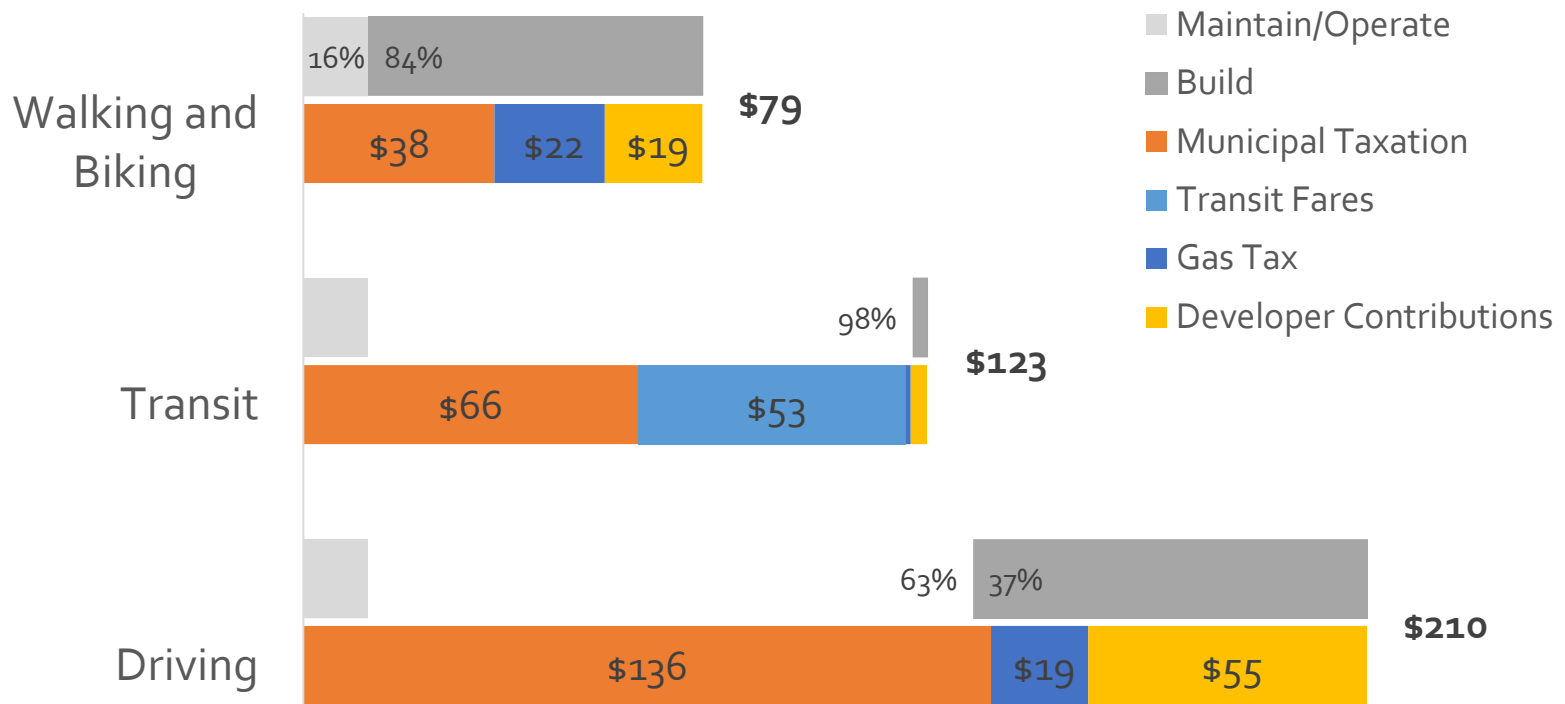
Budgeted Municipal Spending (Millions), 2018-2027



City of Kelowna

The Budget for Transportation

Budgeted Municipal Spending (Millions), 2018-2027



City of Kelowna

The Budget for Transportation

- ▶ Walking, biking, and transit make up roughly half of budgeted spending over the next ten years
- ▶ Nearly two-thirds of spending on roads is for operations and maintenance
 - ▶ Will likely increase as our infrastructure ages

The Budget for Transportation

- ▶ Through the TMP, we will need to consider how our transportation system is funded and what actions are prioritized

TMP Vision Statement

- ▶ “Kelowna will be a city with vibrant urban centres where people and places are conveniently connected by diverse transportation options that help us transition from our car-centric culture”

What Does 'Car-Centric Culture' Mean?



City of Kelowna

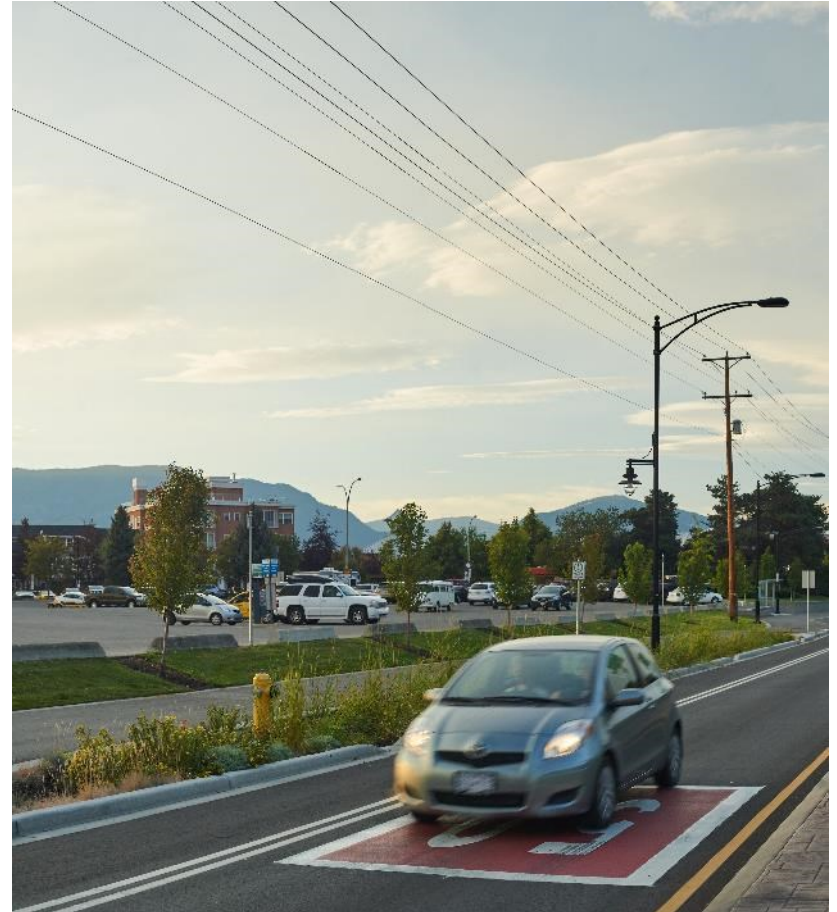
What Does 'Car-Centric Culture' Mean?



City of Kelowna

All About Choices

- ▶ Shifting away from our car-centric culture does not mean banning cars
- ▶ Many trips will always be more convenient in a personal vehicle



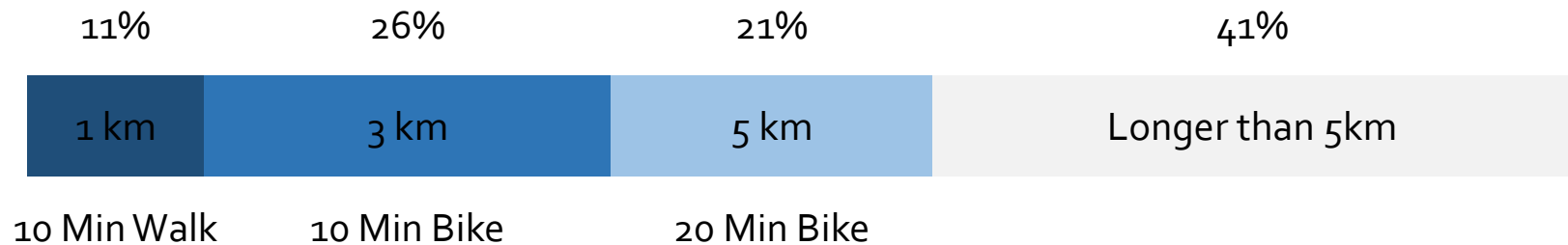
All About Choices



- ▶ Some neighbourhoods will continue to depend on personal vehicles
- ▶ Giving more choices to as many people as possible

All About Choices

- ▶ Most trips (59%) Kelowna residents make are short enough to walk or bike



- ▶ Not everyone has to make to switch in order to benefit from less congestion

Conclusions

- ▶ Giving people more convenient choices to get around is the only way to solve the congestion paradox
- ▶ Changes to how we move are required to accommodate future growth in our community in a way that enhances our quality of life.



Questions?

For more information, visit kelowna.ca.