

Urban Bicycle Facilities Planning and Design in Calgary: Examples and Opportunities

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Transportation Planning
The City of Calgary

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Bicycle Facilities? In Calgary?

1. Why?
2. Who?
3. What?
4. Where?
5. What's next?
6. What then?



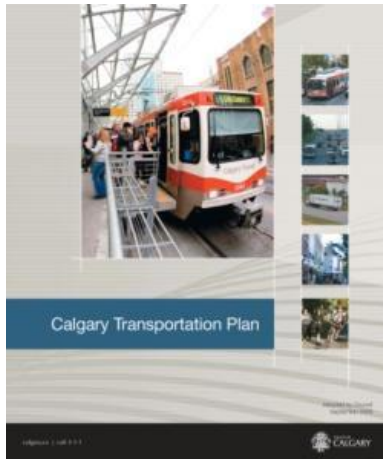
Why bike?



1. Healthy, active living
2. Style, fun & freedom
3. Economic & environmental sustainability
4. Few other options

City: Why?

Calgary Transportation Plan



- Policy direction on multiple aspects of the city's transportation system.
- Section 3.2 → Walking and cycling policies

Cycling Strategy



- Rationale and actions for making Calgary one of the premier cycling cities in North America.
- Three-pillar approach

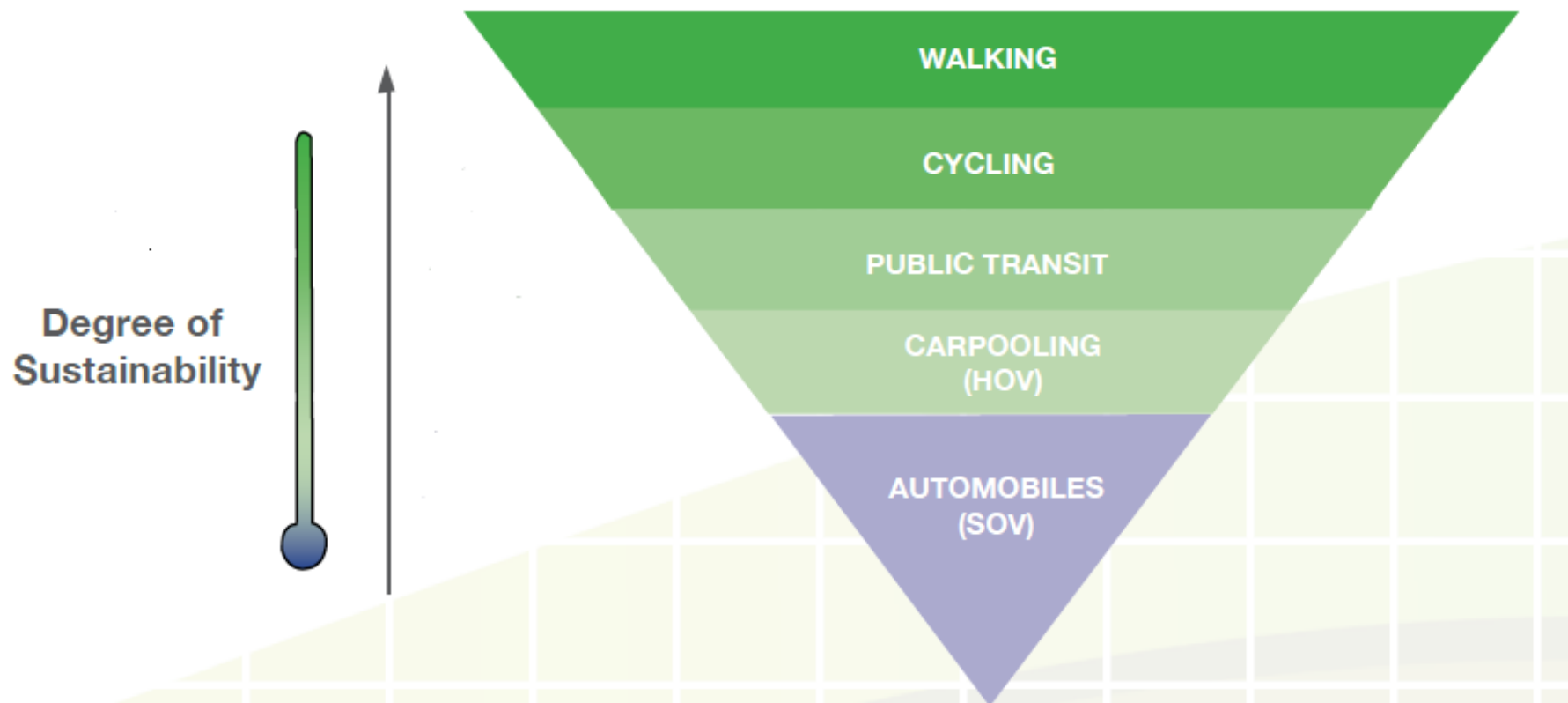
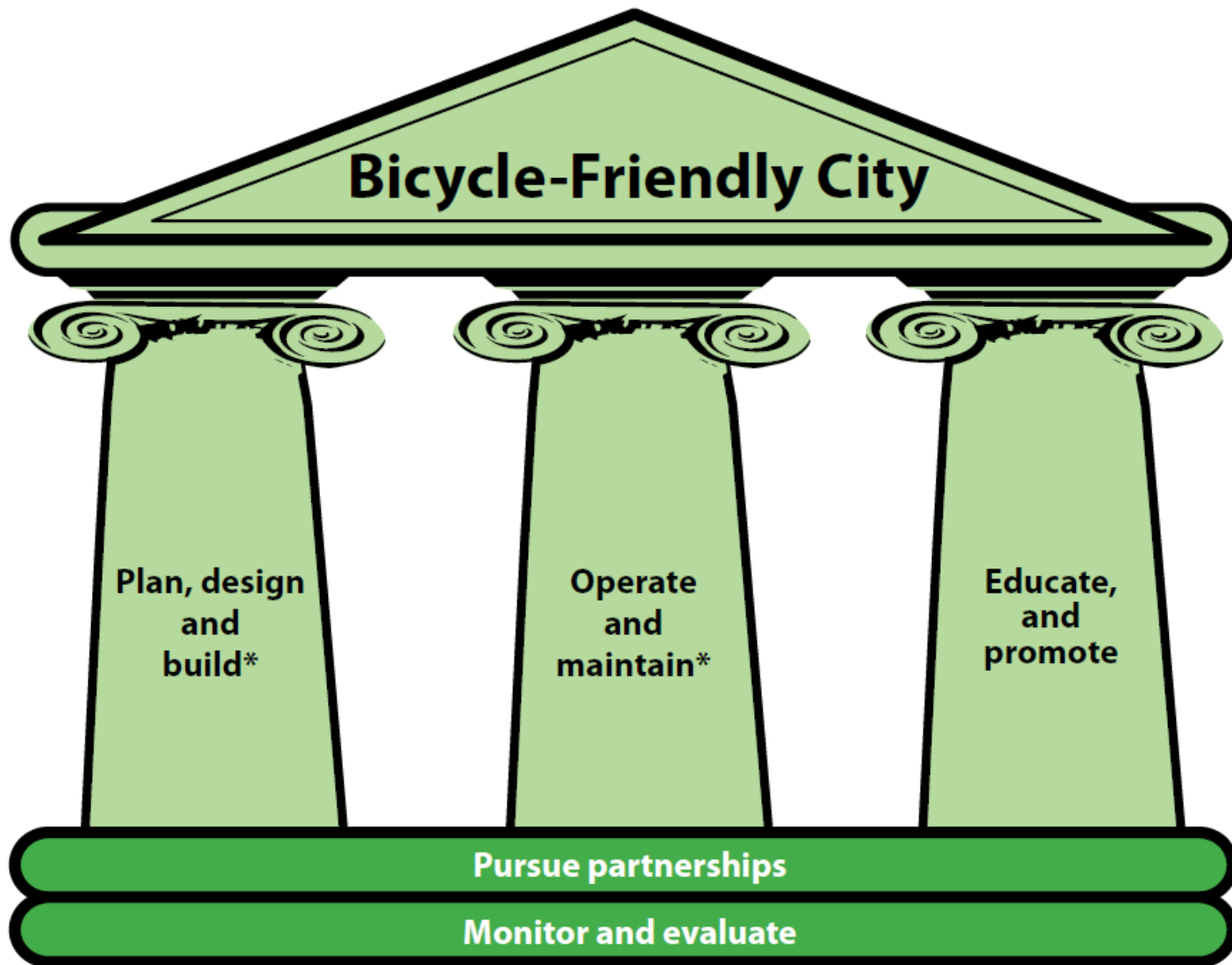
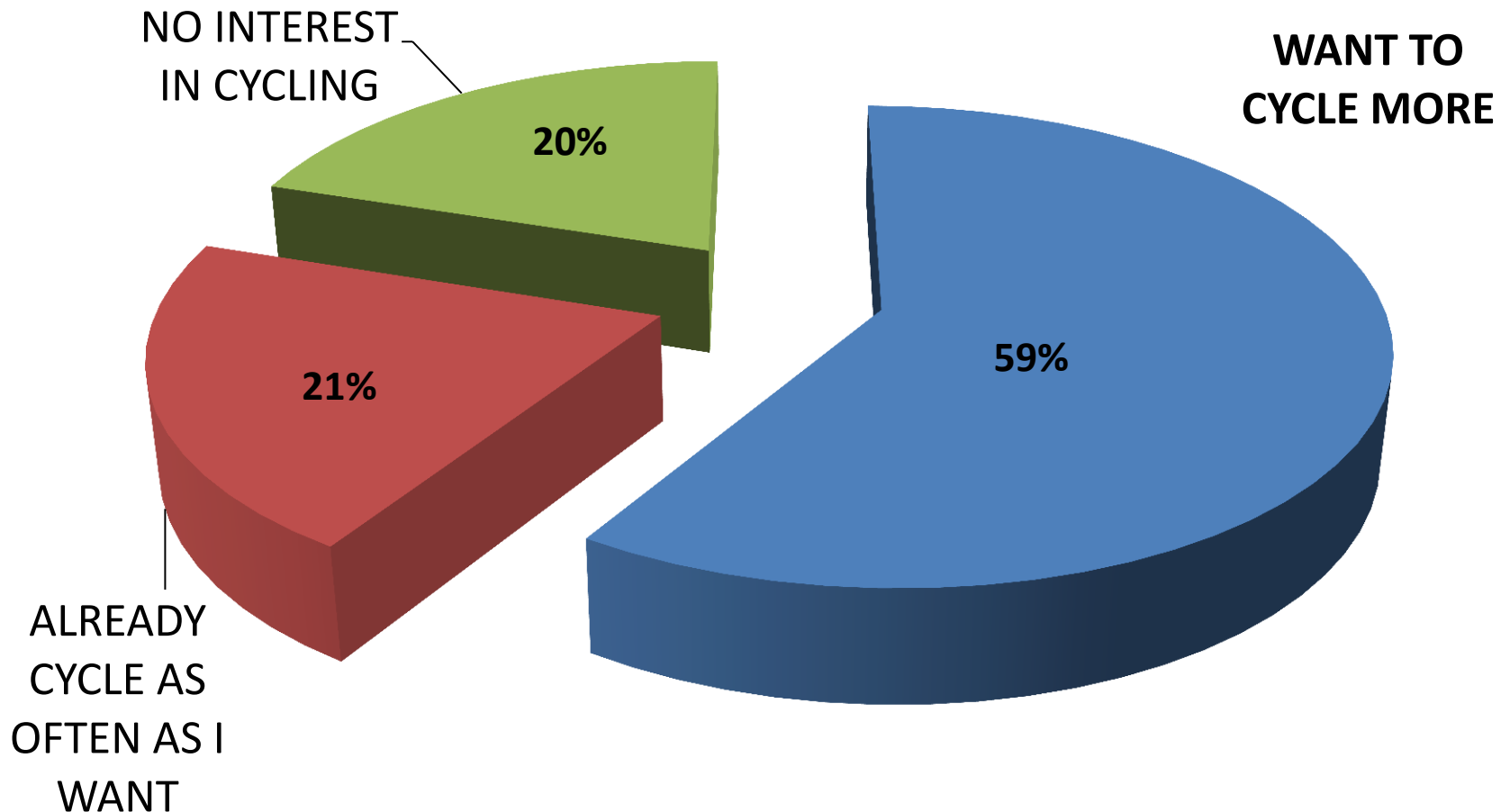


Figure 1-2: The Transportation Sustainability Triangle



Do Calgarians want to cycle more?



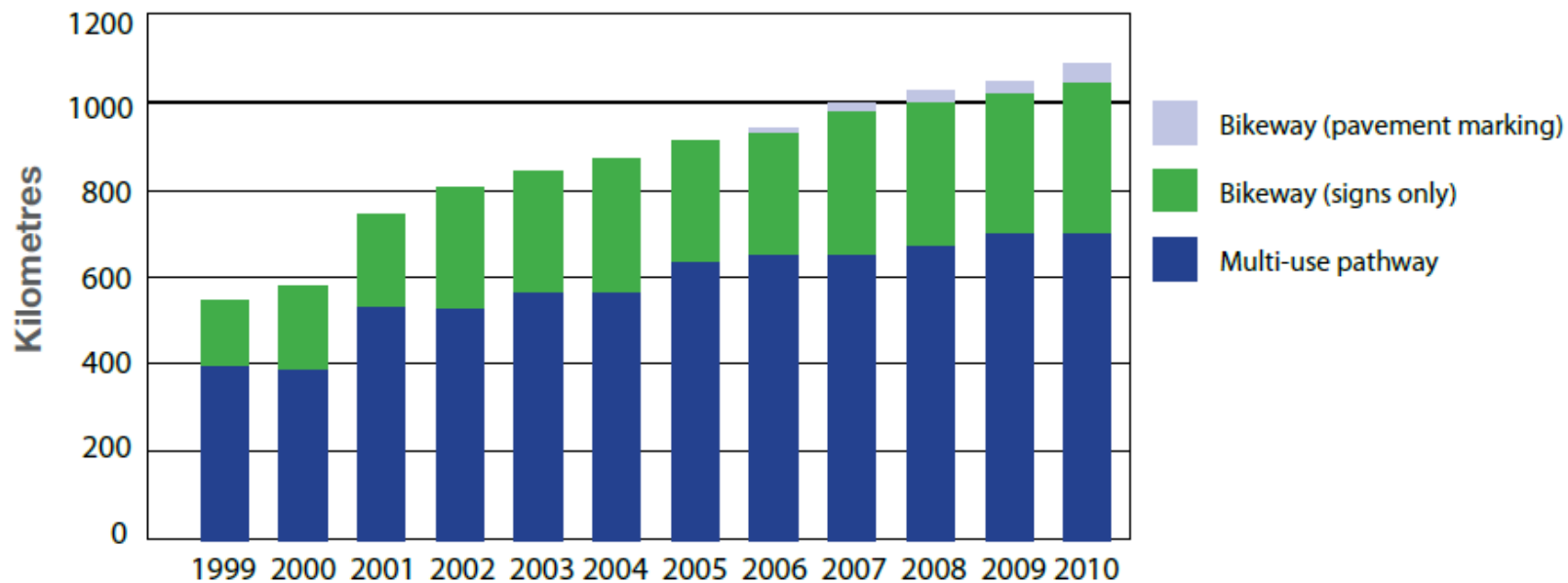


Figure 2-5: Length of Calgary multi-use pathways and on-street bikeways. *Source: The City of Calgary*

Who?



Fearless

Fearless cyclists

- Cycling is a strong part of their identity.
- Generally undeterred by motor vehicles.
- Will consider cycling even in the absence of any visible bike facility.



Confident

Confident cyclists

- Cycling is a part of their identity.
- Slightly or moderately comfortable sharing the road with motor vehicles.
- Will consider cycling if the route is mostly on a bike facility.



Interested

Interested cyclists

- Do not identify as a cyclist.
- Not comfortable sharing the road with motor vehicles without a visible bike facility.
- Interested in cycling if the route is on a bike facility.



Reluctant

Reluctant cyclists

- Do not identify as a cyclist.
- Not comfortable sharing the road with motor vehicles without a visible bike facility.
- Not interested in cycling.

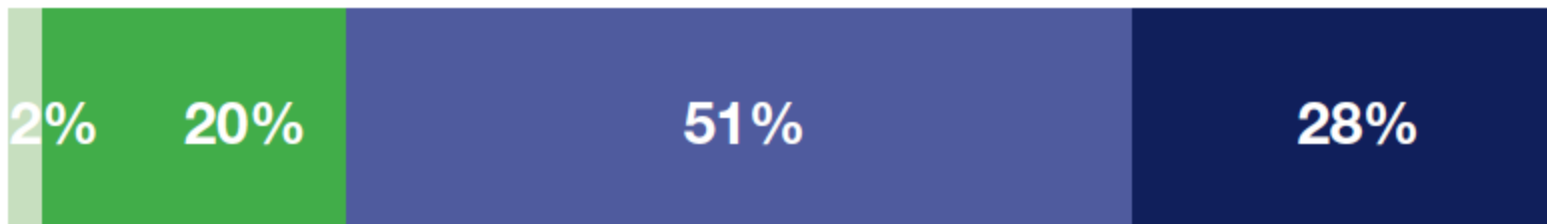
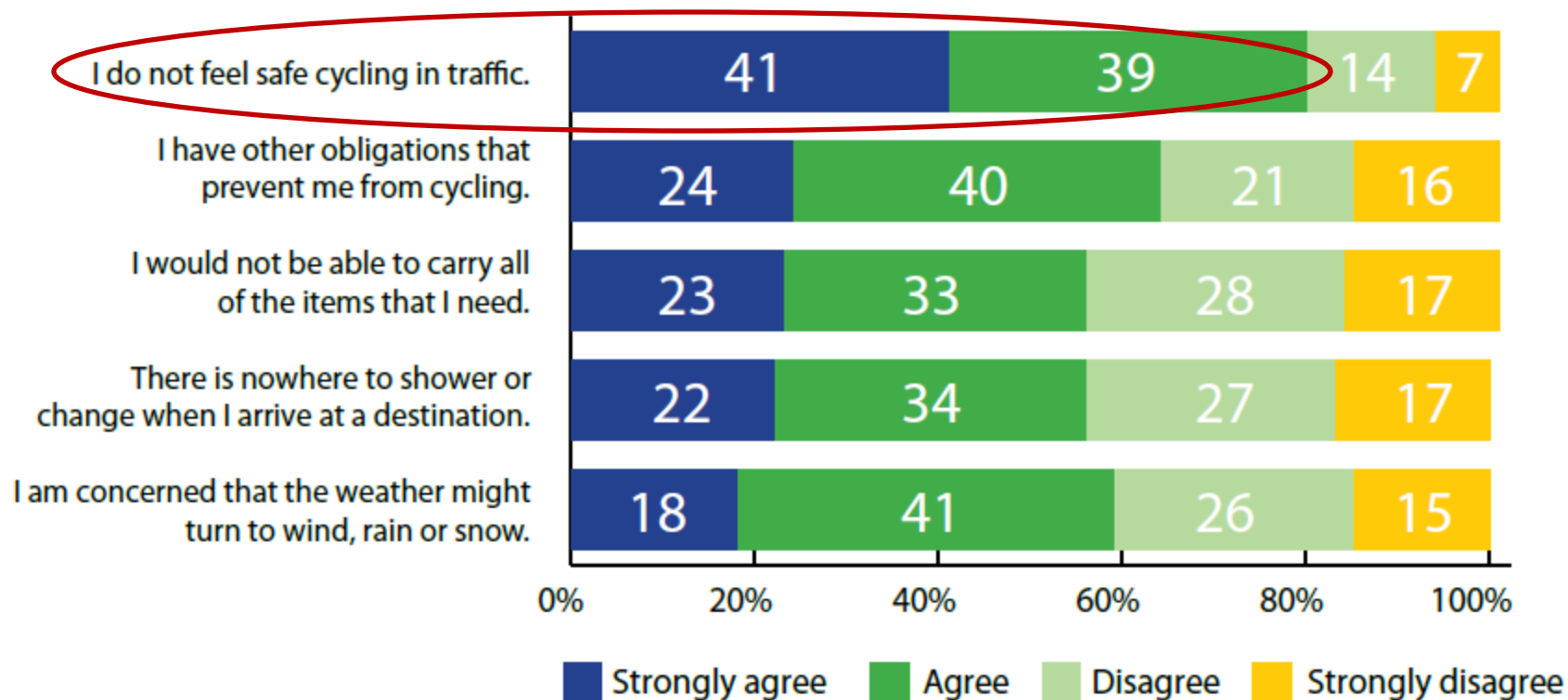


Figure 6-2: Categories of Calgary cyclists. Source: The City of Calgary Cycling Strategy Research Public Telephone Survey 2011





Calgarians said:



Online Survey

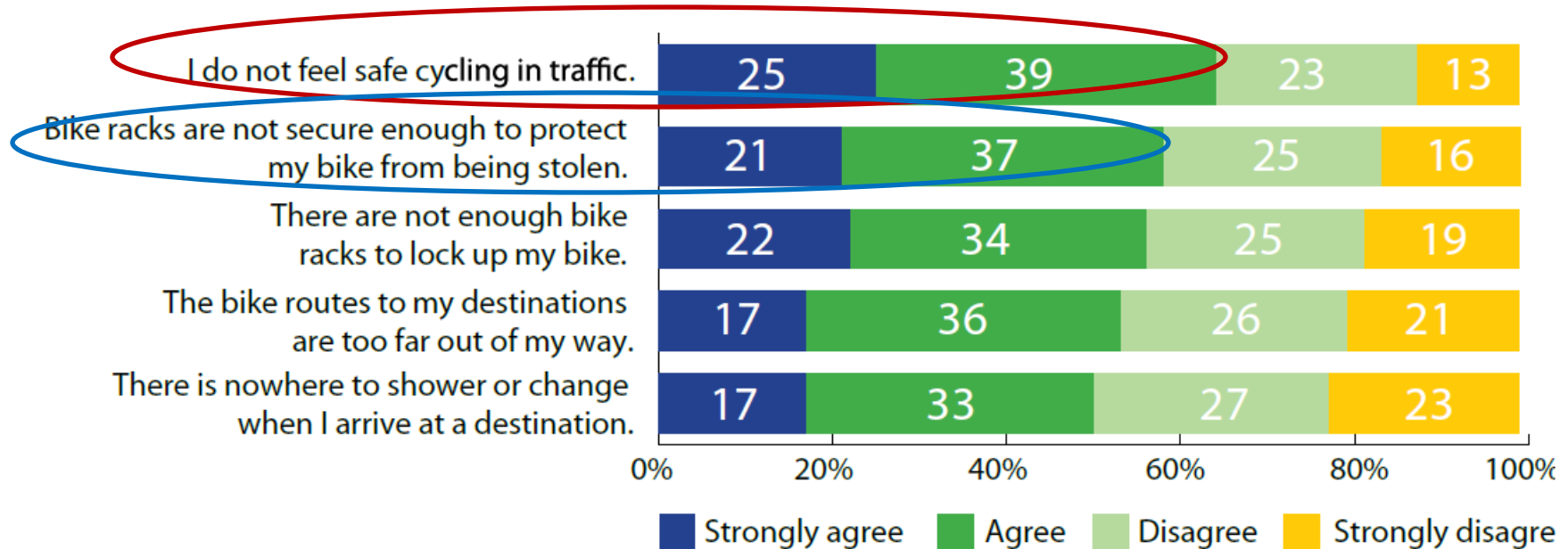


Figure 3-5: Top five barriers to cycling (online survey)



What?

Signed
bike route





Bike lane

Contra flow bike lane



Separated bike lane



Buffered bike lane





Shared lane,
side by side

Shared lane, single file





Shared
sidewalk

Multi-use pathway





Cycle track

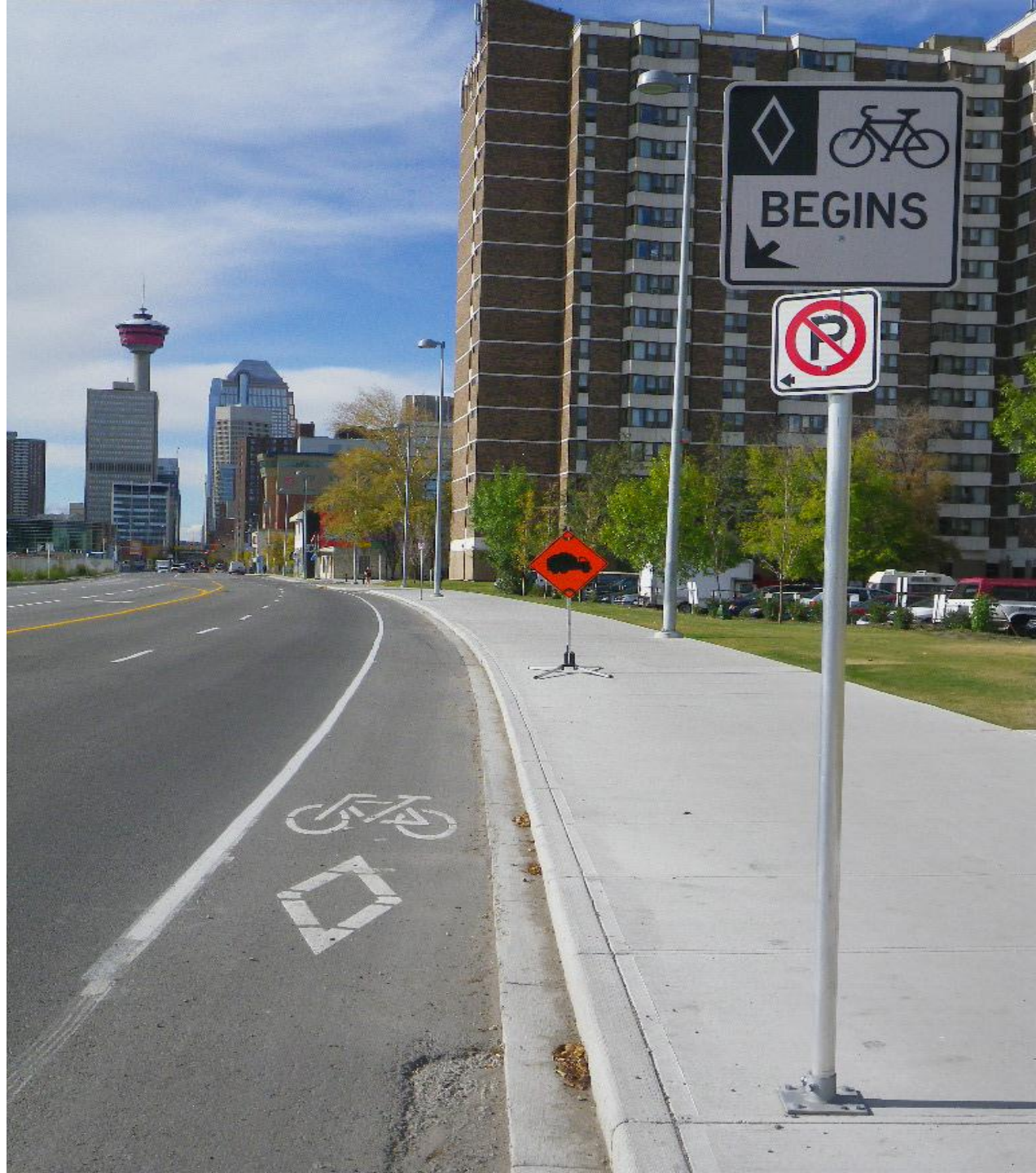
Feasibility

- Safety
- Consistency
- Legality
- Balancing roadway needs
 - Transit; capacity; loading
 - On-street parking; taxi stands



...Feasibility

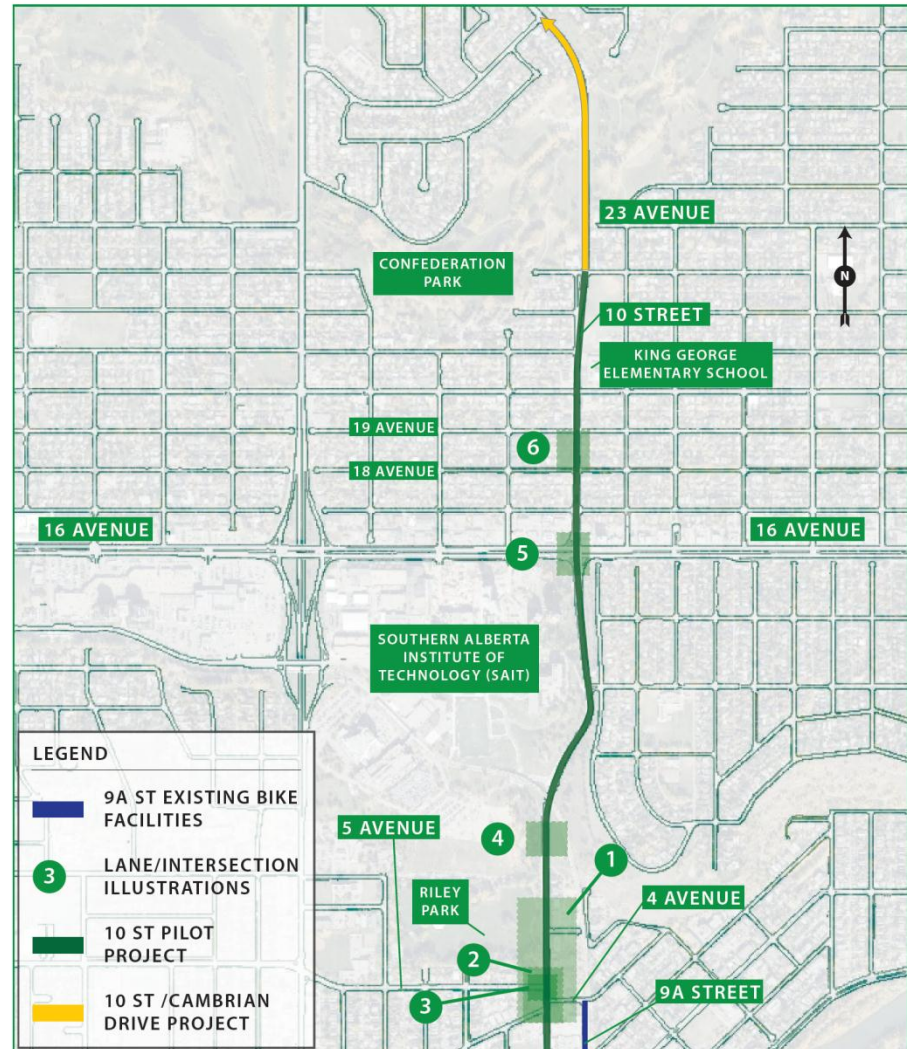
- Durability
- Maintenance
 - markings
 - signage
 - snow
 - gravel

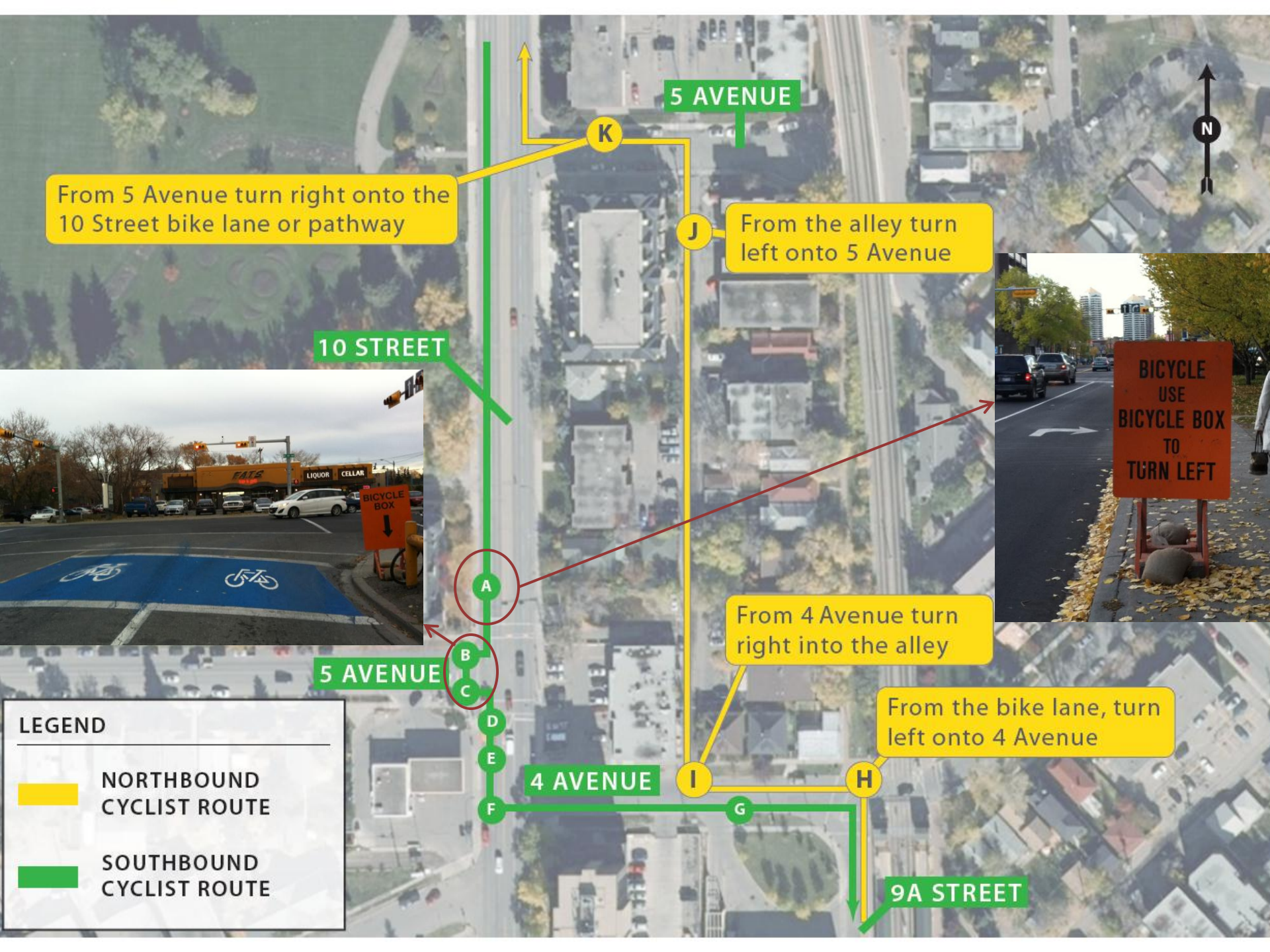


Where?

10 St NW

10 Street N.W. overview 4/5 Avenue to 23 Avenue







CLOSED DUE TO
HIGHWAY WORK AHEAD
SAT OCT 22 8am-5pm
SUN OCT 23 8am-5pm

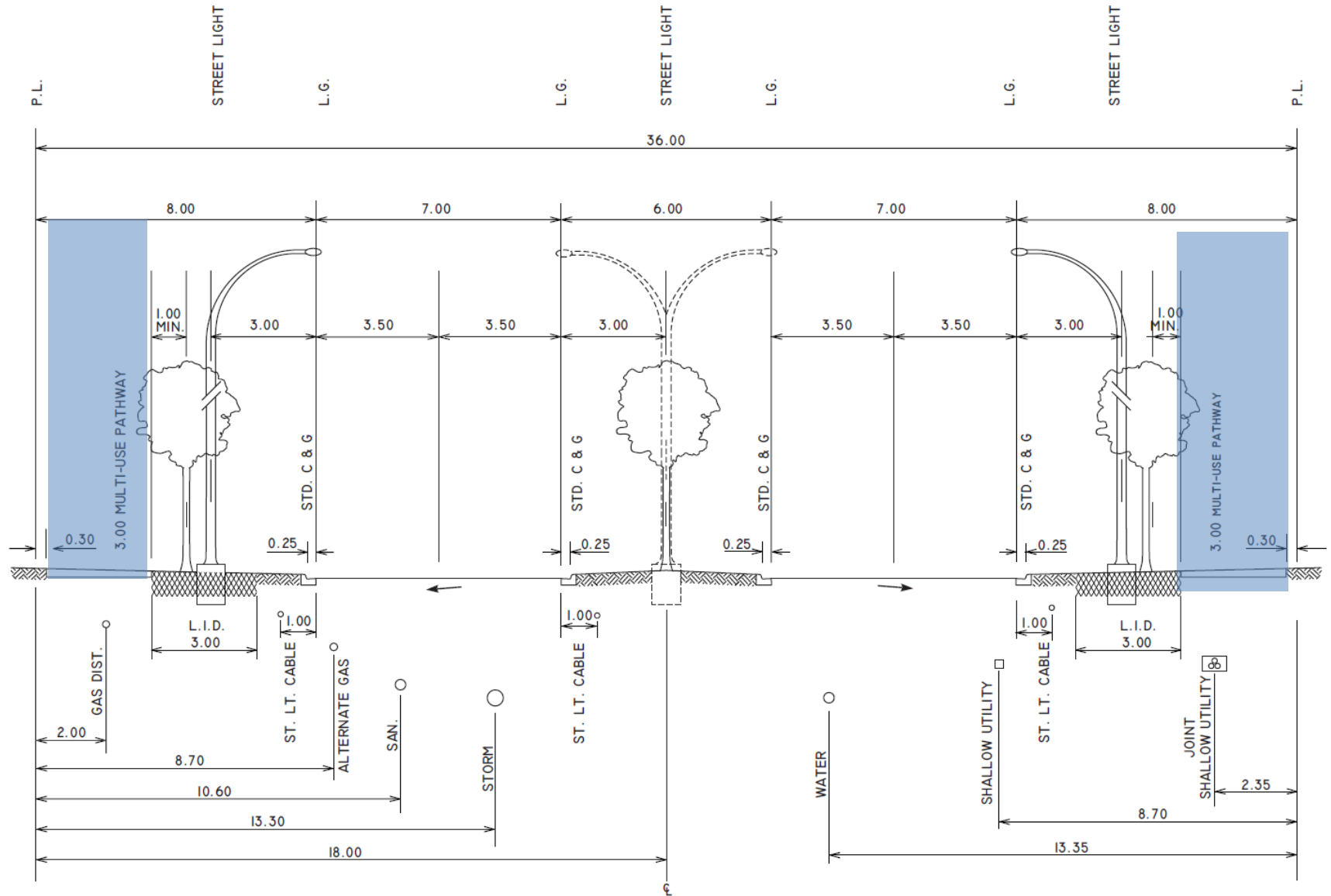
Where else?


Riverwalk





What's next? Road standards





THE CITY OF CALGARY
ROADS

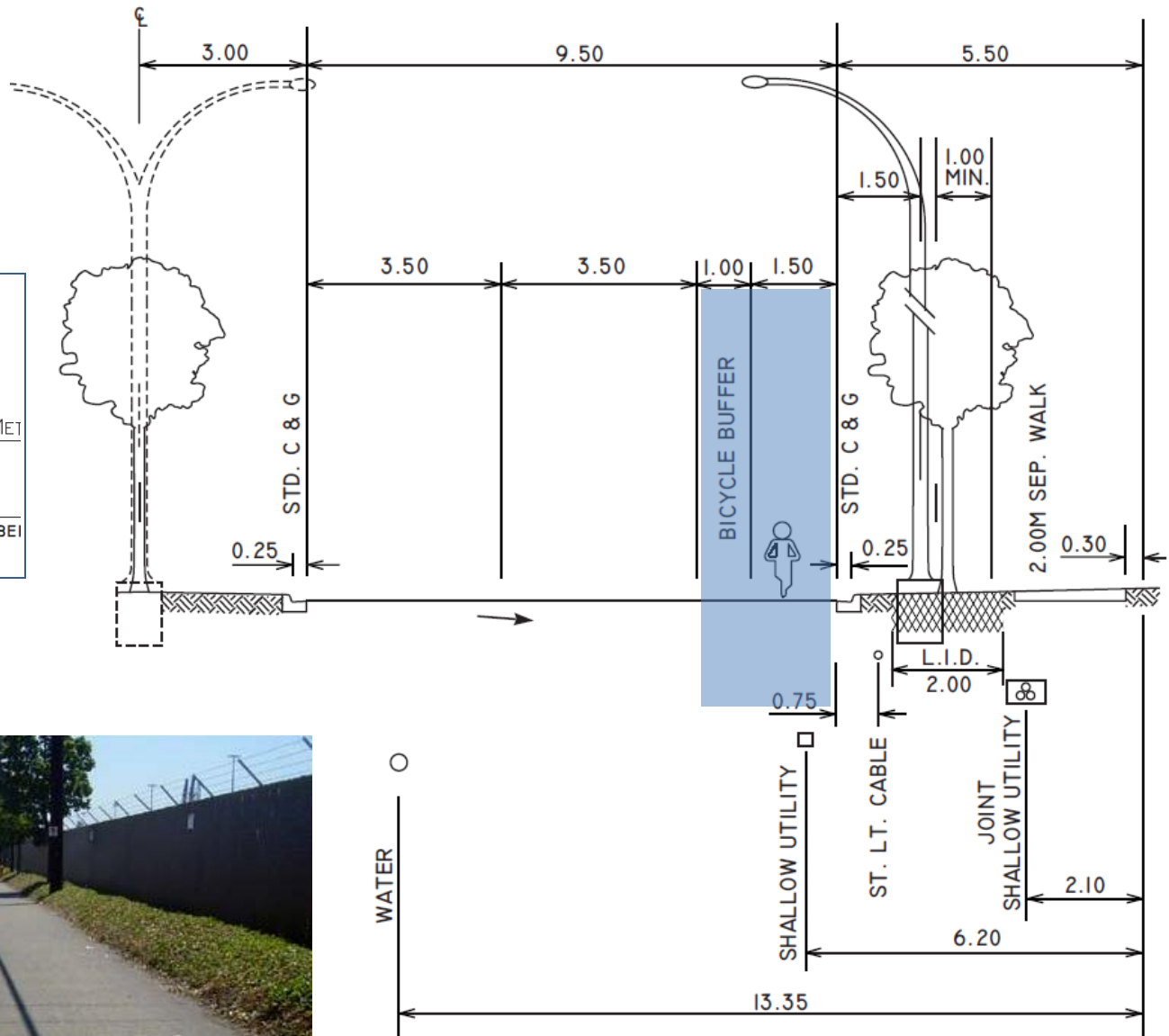
**BASE WITH
ON-STREET BIKE LANE
(<20,000 VPD)**

DIMENSIONS ARE METRES
UNLESS OTHERWISE NOTED

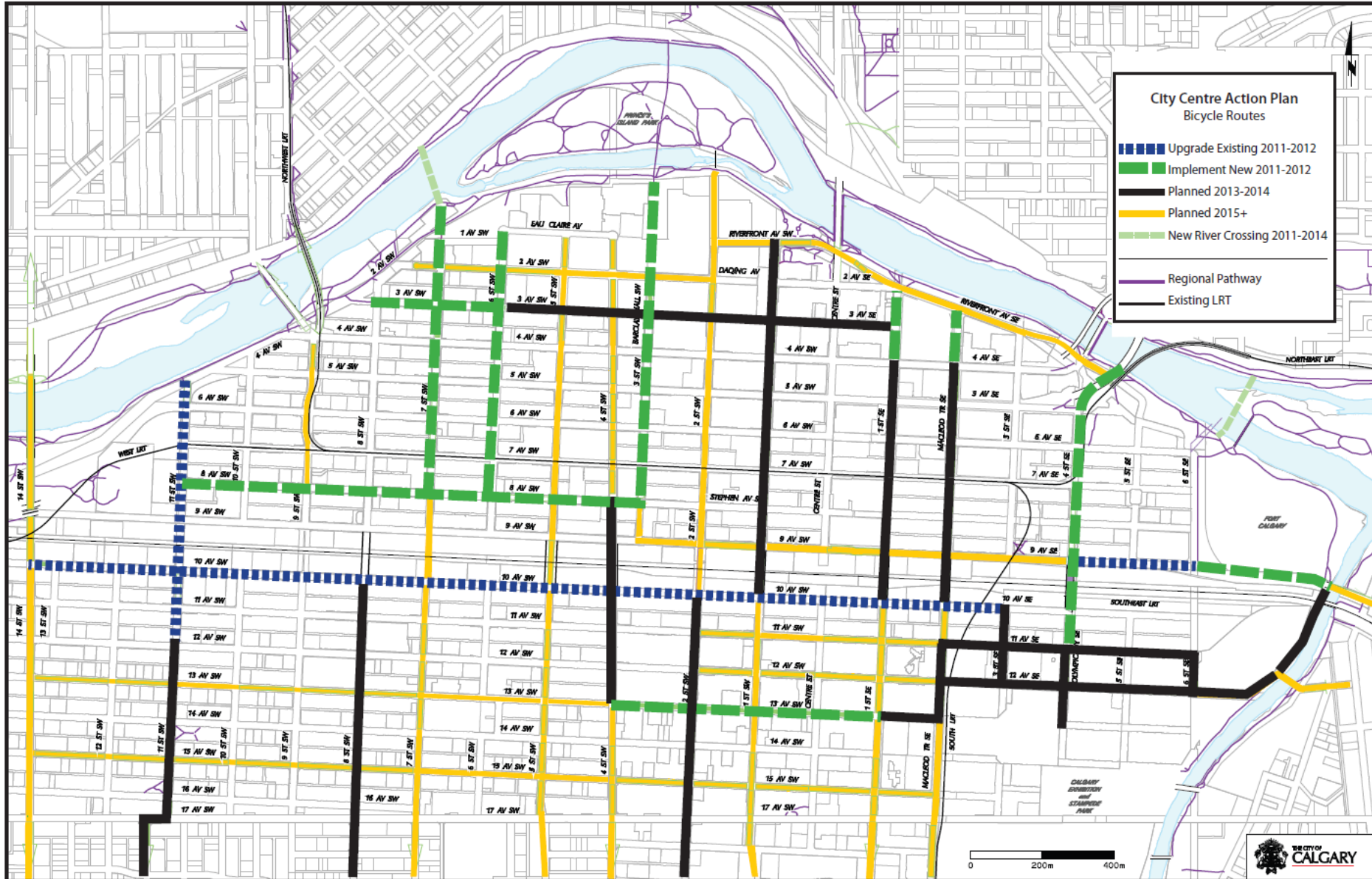
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DIVIDED ARTERIAL STREET

DESIGN SPEED/POSTED SPEED 60KPH



What else is next? Centre City





What then?

Bicycle Facilities? In Calgary?



Q&A



The end