



Major Bike Routes - 102 Avenue  
Workshop  
November 24, 2014

**CYCLING:** LET'S RESTART THE CONVERSATION. TOGETHER.



# Our Purpose Today

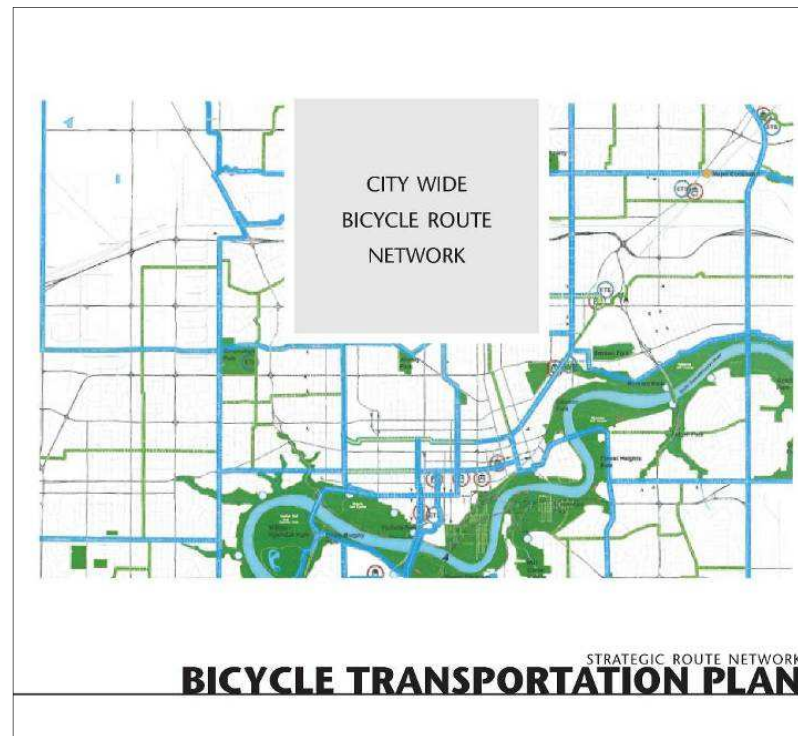
- **Provide context** on how Major Bike Routes fit into Edmonton's vision of the future
- **Share information on what we heard** in June, and how it has been incorporated
- **Discuss different design options** for fitting the routes into the neighbourhoods
- **Get your input on trade-offs**, and what you feel is most important

# Key Themes from June

- Safe
- Separate
- Design needs to respect all forms of Transportation (cycle, walk, drive)
- Aesthetically Pleasing
- Access and Congestion

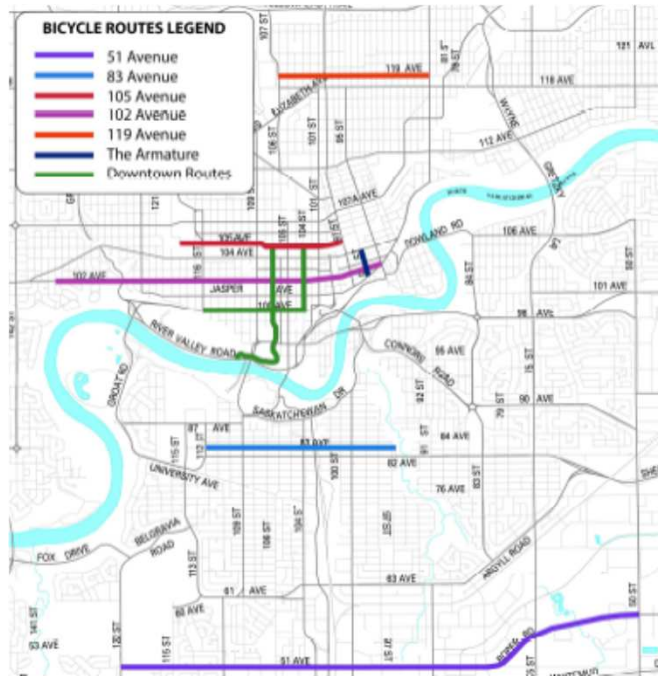
# How we started: Mandate

*Council approved in 2009*

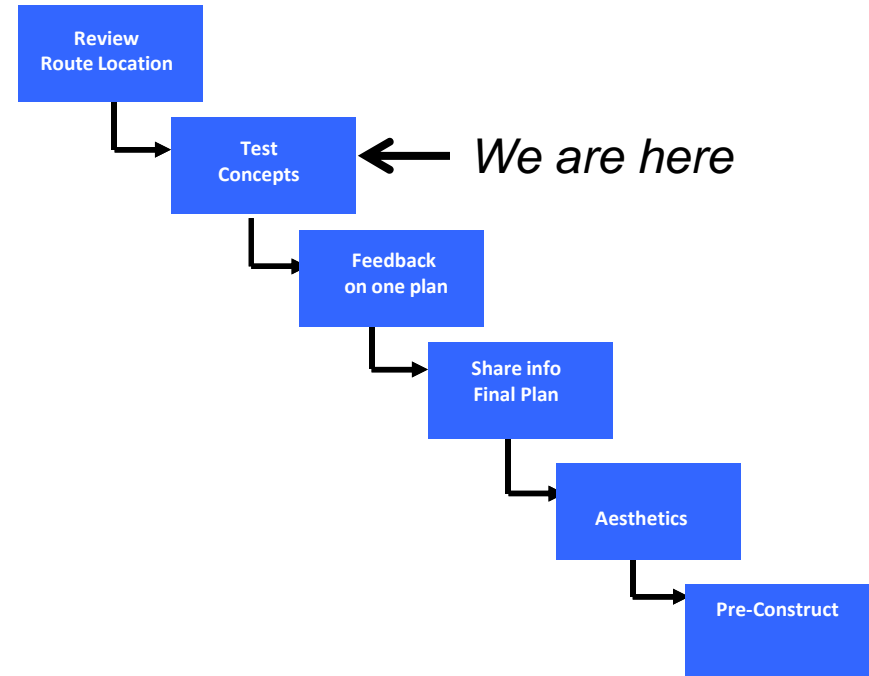


# Council Direction (June 2014)

## Major Bike Grid



## Major Bike Grid Engagement



- Plan for higher quality infrastructure
- Focus on routes with greater existing ridership
- More public input opportunities earlier in the projects – including getting input on route options and evaluation criteria



# June 2014 Consultation

- Input on:
  - Evaluation Criteria
  - Route options (102 Avenue and 103 Avenue)
- Study area adjustment
  - Now 136 Street to 111 Street
  - Downtown LRT will be on 102 Avenue

## Total Participation: 783



# Key Themes - Criteria

- 16 Criteria developed based on feedback and industry best practices
- Key themes criteria address
  - safety, bicycle demand, traffic operations, constructability, risk, and cost
  - 6 Related to Benefits
  - 10 Related to Impacts
  - impacts and benefits were equally considered in the overall analysis

# Evaluation

- The route evaluation process was completed in two phases
- Phase 1 - preliminary screening that eliminated the routes from detailed analysis due to major technical issues.
  - 103 Avenue 136 St to Groat Ravine
- Phase 2 - Remaining routes were assessed against the 16 Evaluation Criteria
  - 103 Avenue Groat Ravine to 107 St
  - 102 Avenue Groat Ravine to 107 St



# Evaluation Results

- An objective evaluation process used to assess the routes
  - Each criteria was evaluated on a scale of 1 to 5
  - The overall score was based on a 100 point scale
  - Route having the highest overall score being the preferred route
- 102 Avenue had an overall score of 76.1
- 103 Avenue had an overall score of 70.0

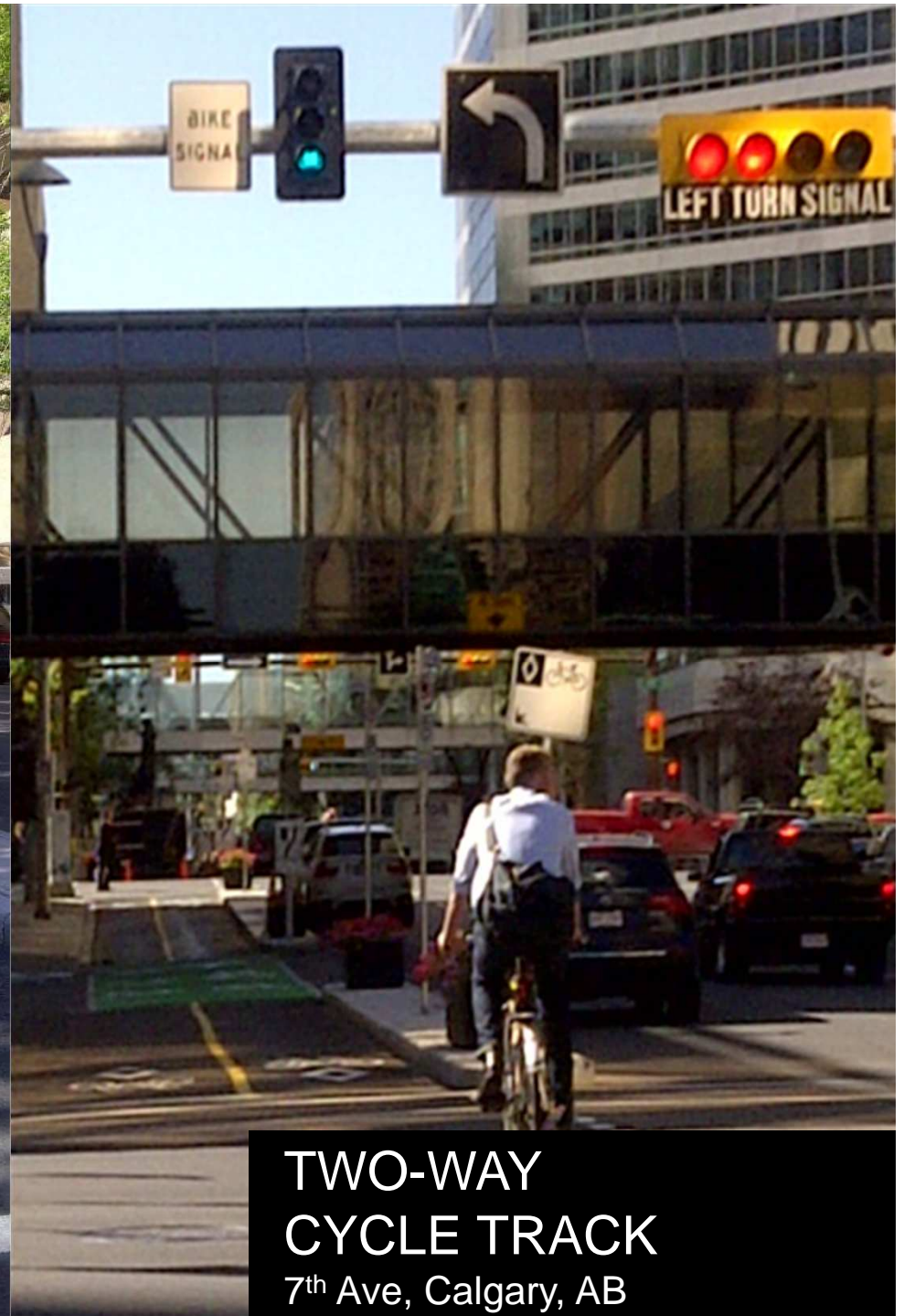
# Definition: Cycle Track



A cycle track, otherwise known as a protected bike lane is:

- a bike lane that is physically separated from motor vehicle traffic, parked cars and sidewalks.
- minimizes conflicts between cyclists, pedestrians and drivers.



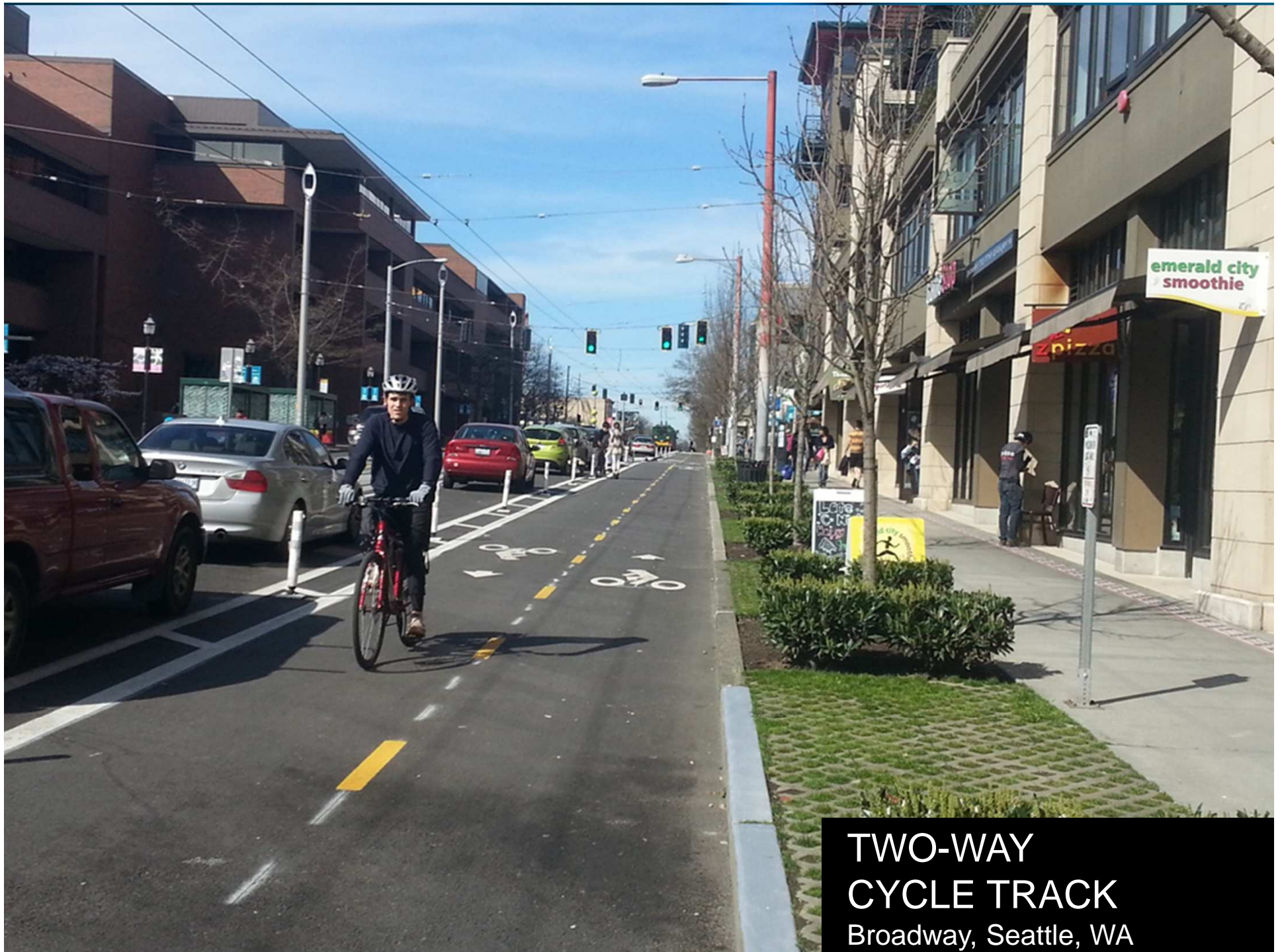






CYCLE TRACK IN  
WINTER  
7th Ave, Calgary, AB





**TWO-WAY  
CYCLE TRACK**  
Broadway, Seattle, WA

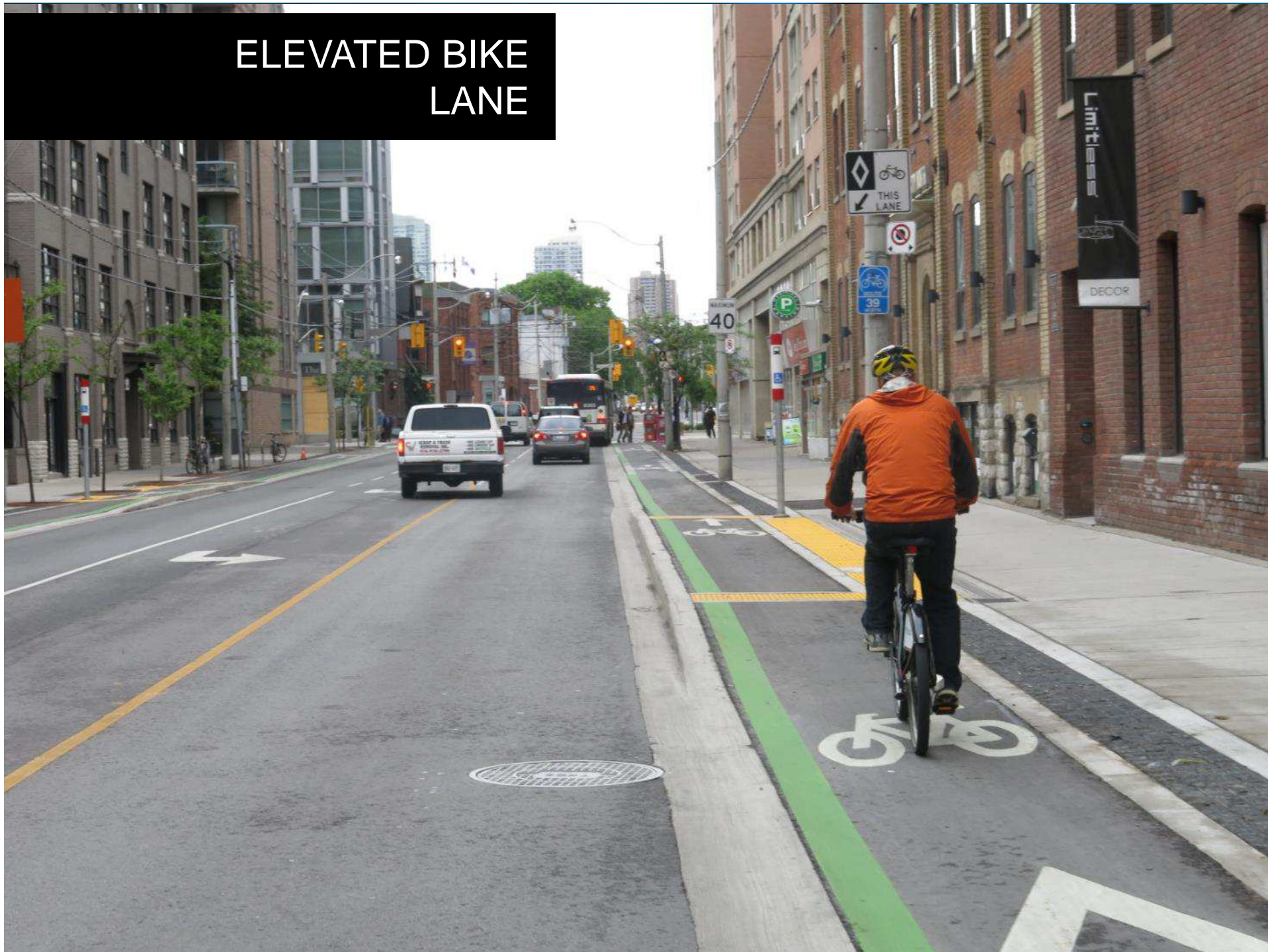




**TWO-WAY CYCLE  
TRACK (LOCAL ROAD)**  
Assiniboine Ave, Winnipeg, MB



# ELEVATED BIKE LANE



# Definition: Bike Boulevard

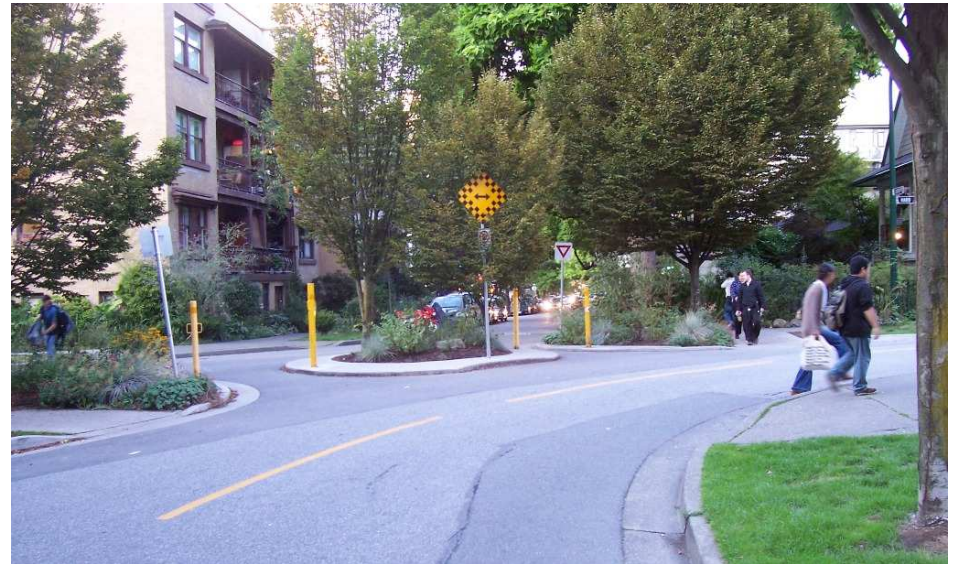
Shared road space that gives priority to cyclists and pedestrians:

- allows for all traffic but maintains low traffic speeds and volumes through road modifications to discourage cut-through traffic.
- create an inviting, safe and attractive community space.





# Traffic calming measures





# BICYCLE BOULEVARD – ONE-WAY FOR MOTOR VEHICLES

Winnipeg, MB





# BICYCLE BOULEVARD DIVERTER

Victoria, BC





## BICYCLE ROUTE AND WAYFINDING SIGNAGE





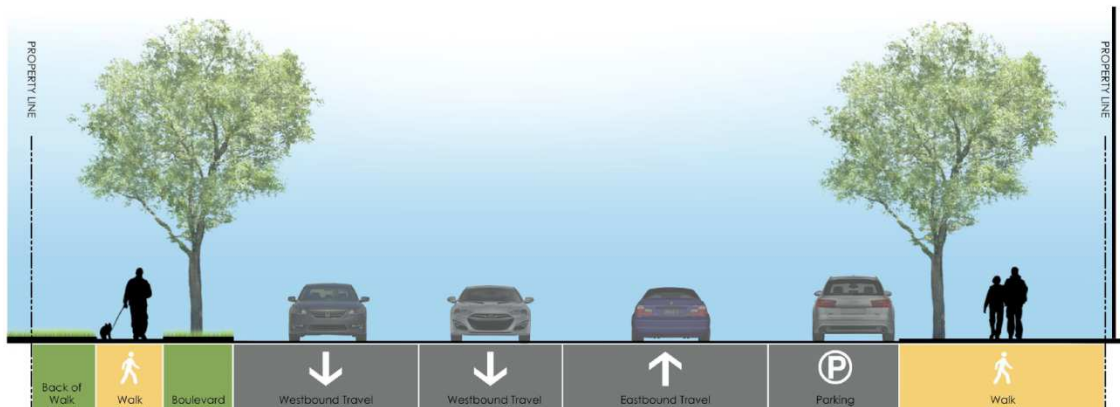
# What's a cross-section?

Includes:

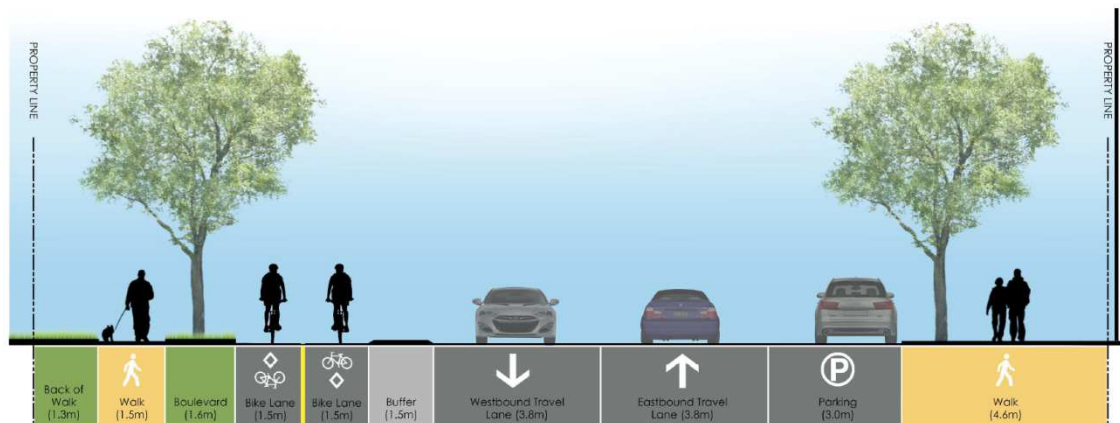
- Road width
- Parking
- Trees
- Sidewalk
- Curbs
- Driving lanes
- Space for bikes



# What does it show us?



Existing



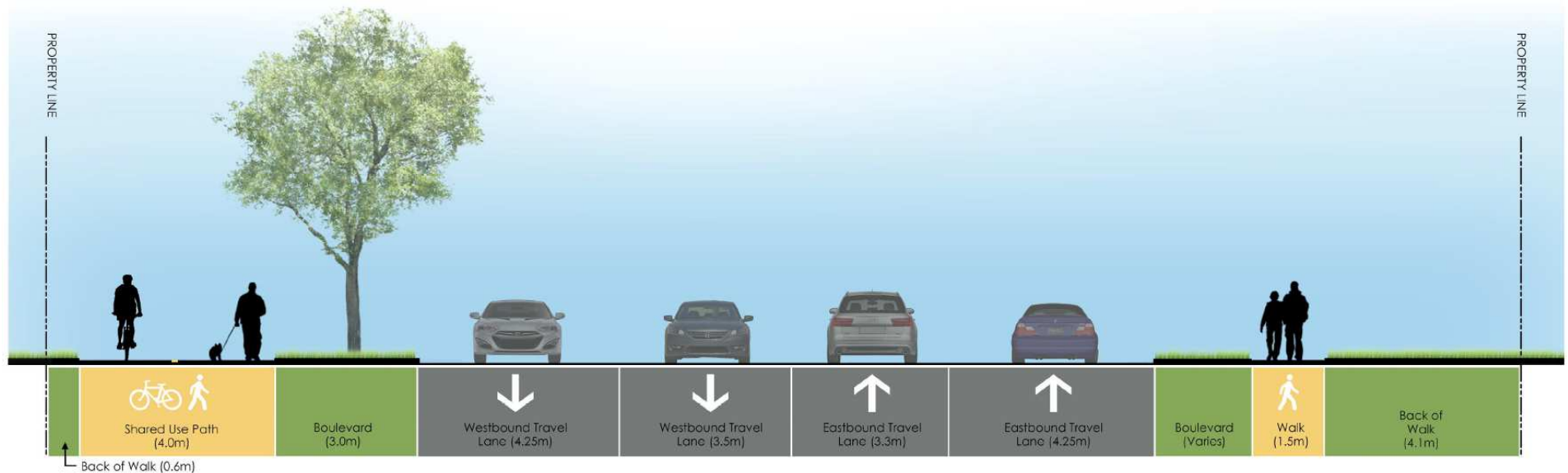
Potential

# 102 Avenue Options



102 Avenue – east of 135 Street (Existing)

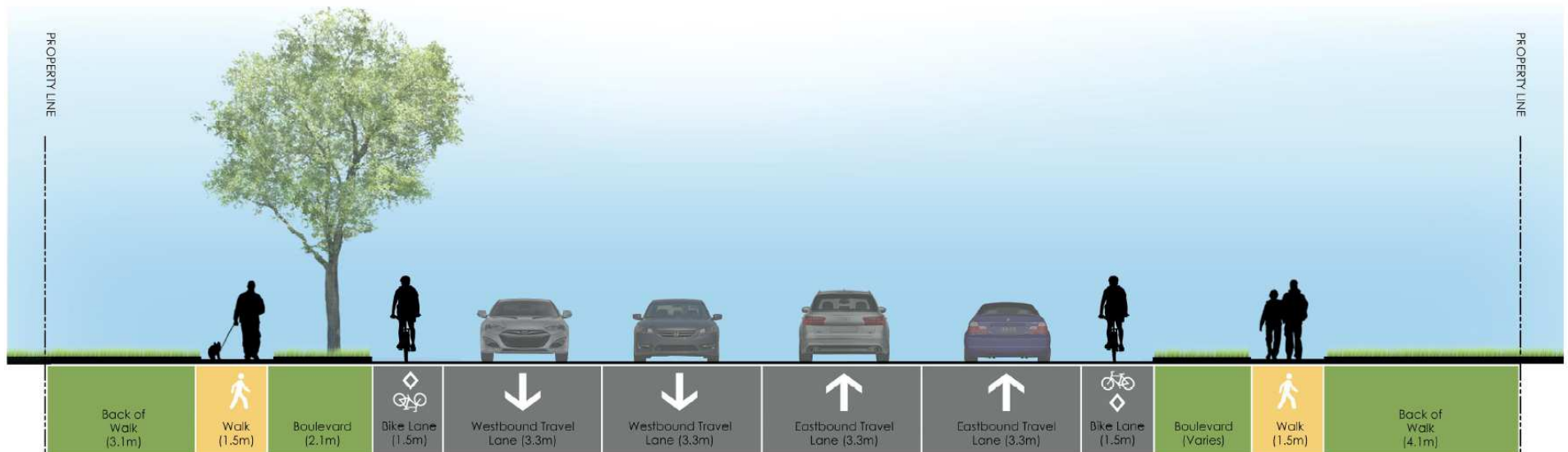
# 102 Avenue Options



102 Avenue – east of 135 Street (Cycle Track)



# 102 Avenue Options



102 Avenue – east of 135 Street (Bike Lanes)

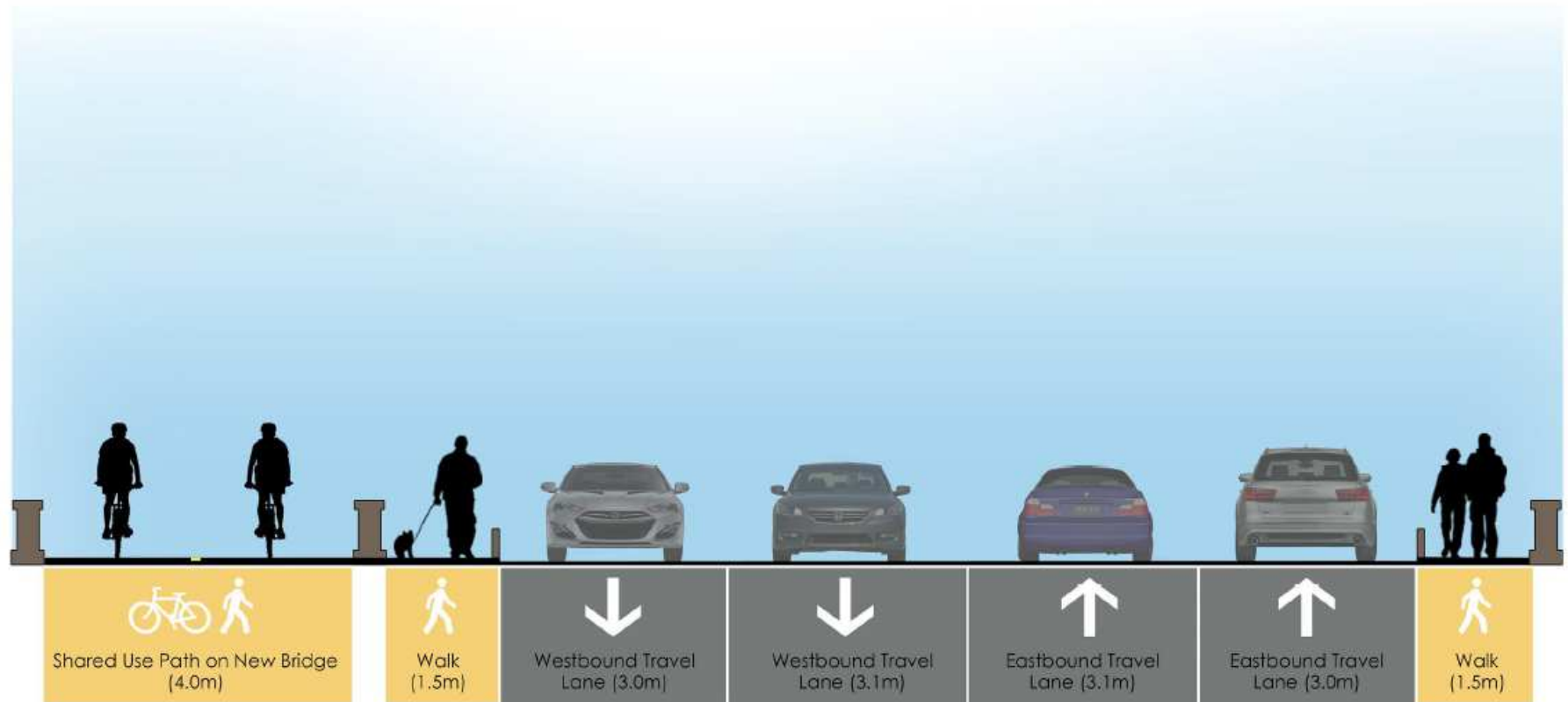
# 102 Avenue Options



102 Avenue – Wellington Bridge (Existing)

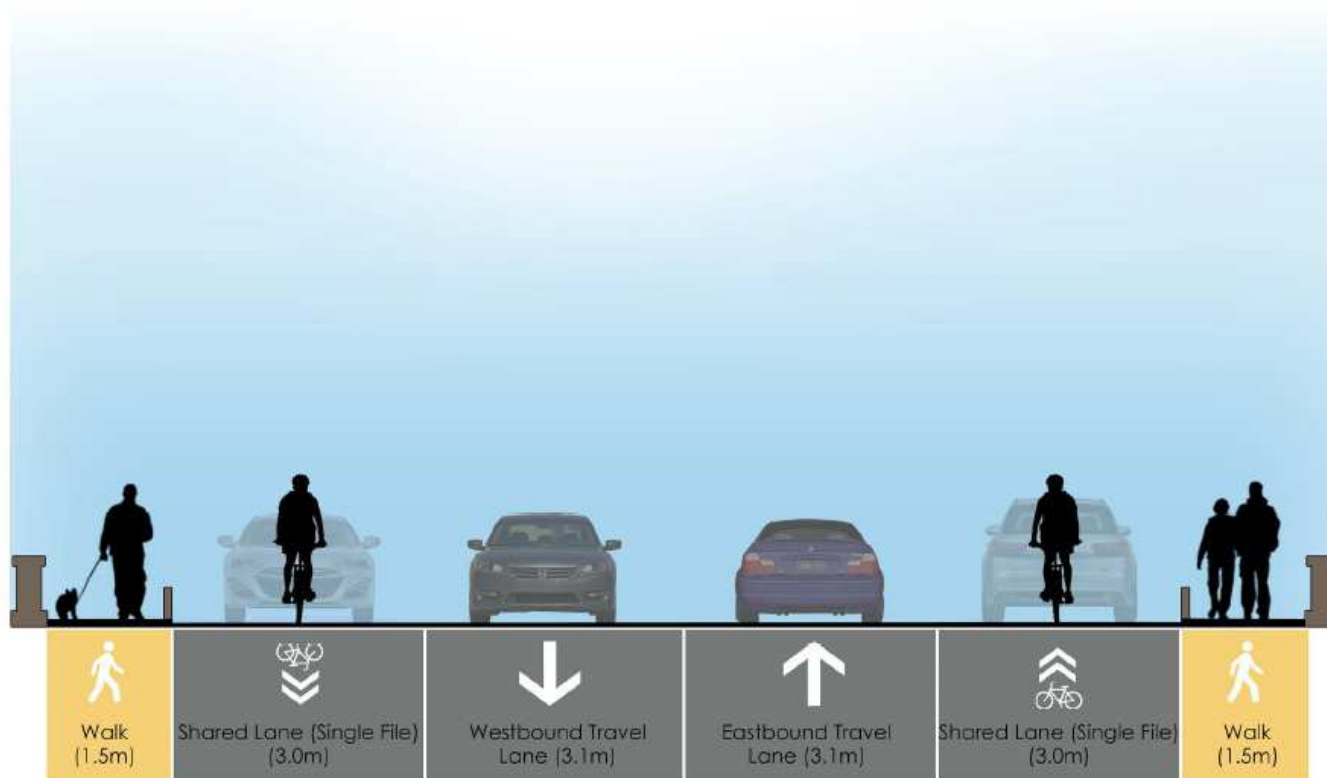


# 102 Avenue Options



102 Avenue – Wellington Bridge (New Bridge)

# 102 Avenue Options



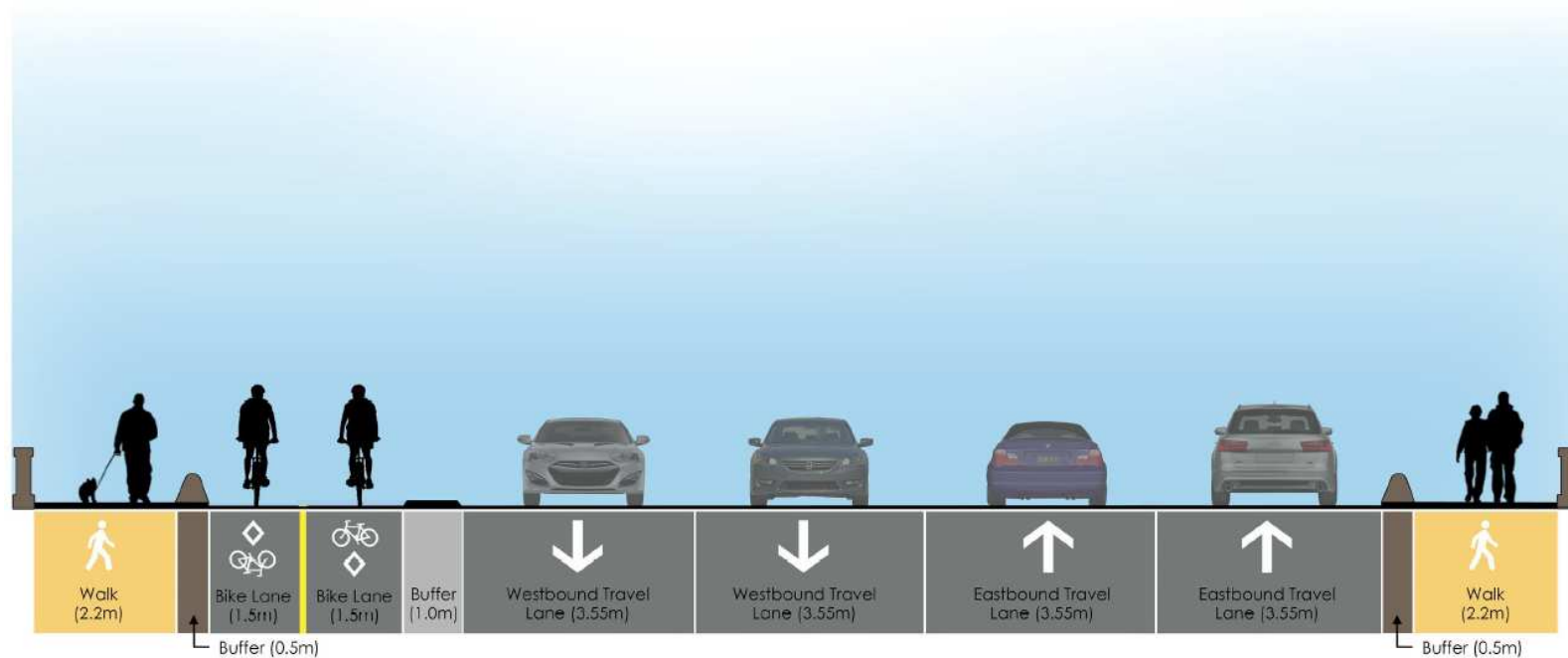
102 Avenue – Wellington Bridge (Shared Lanes)

# 102 Avenue Options



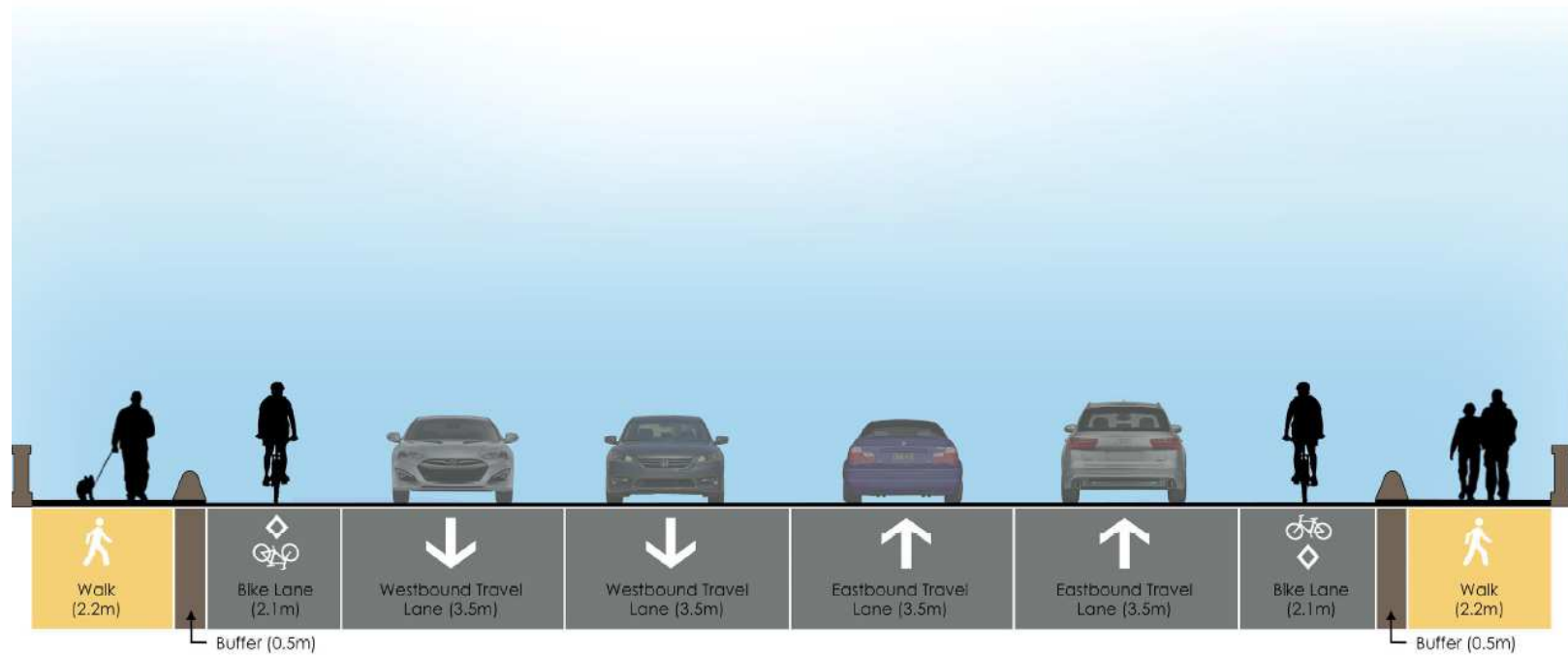
102 Avenue Bridge – west of Clifton Place (Under Construction)

# 102 Avenue Options



102 Avenue Bridge – west of Clifton Place (Cycle Track)

# 102 Avenue Options



102 Avenue Bridge – west of Clifton Place (Bike Lanes)



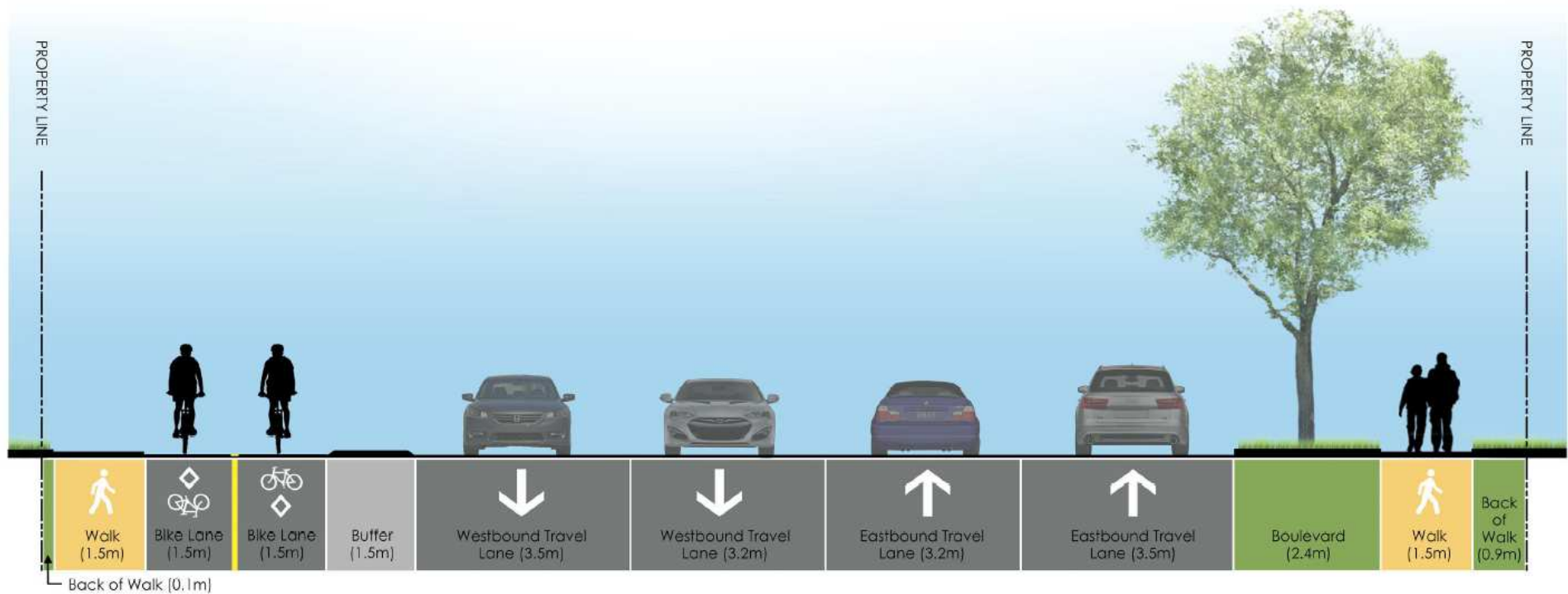
# 102 Avenue Options



102 Avenue – east of Clifton Place (Existing)

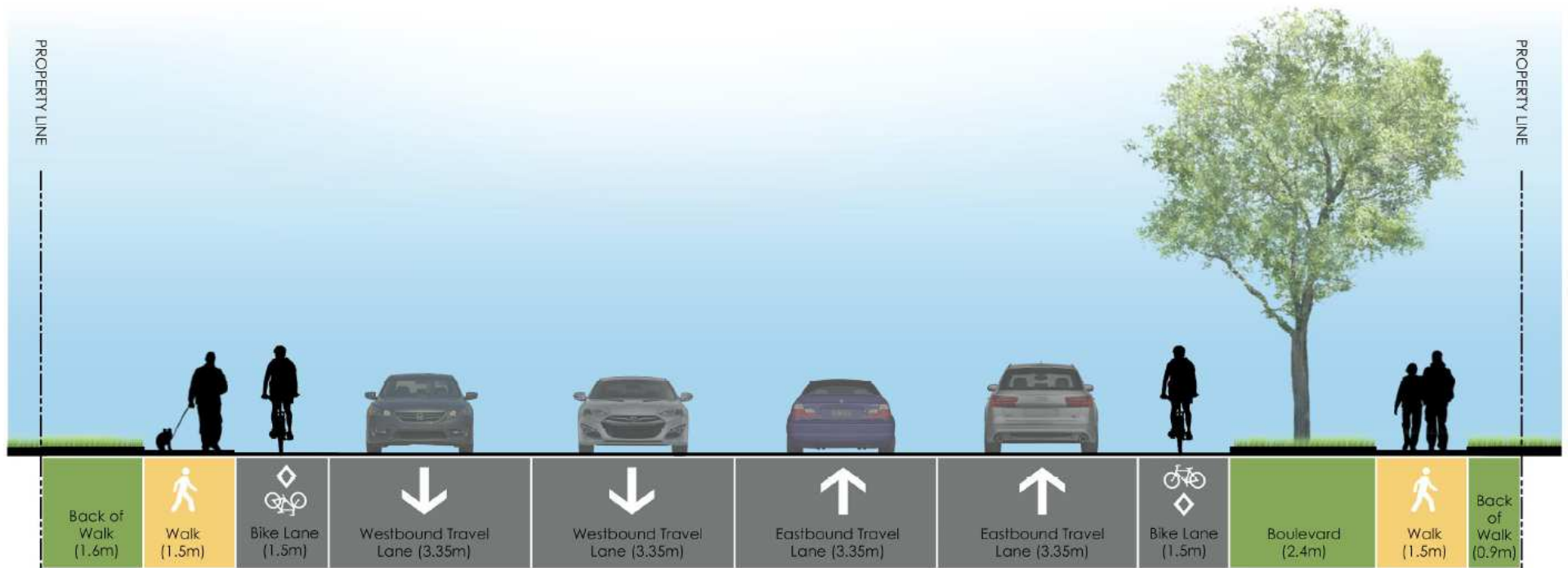


# 102 Avenue Options



102 Avenue – east of Clifton Place (Cycle Track)

# 102 Avenue Options



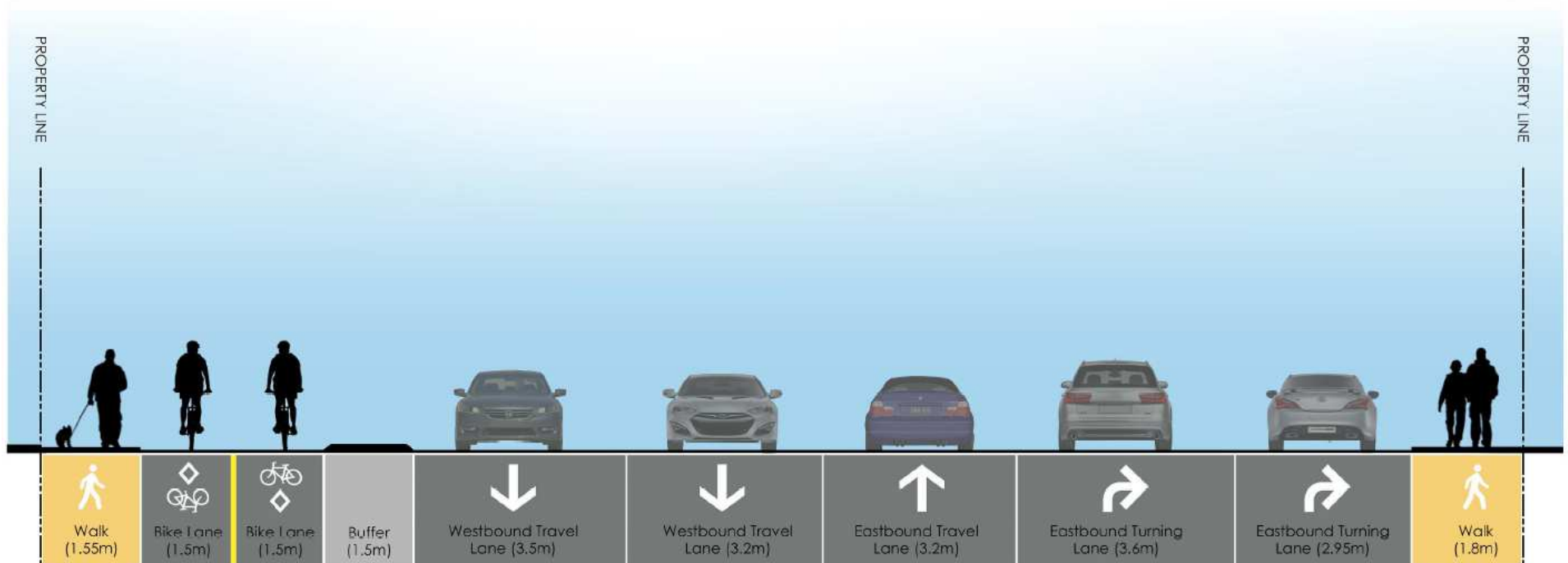
102 Avenue – east of Clifton Place (Bike Lanes)

# 102 Avenue Options



102 Avenue – west of 124 Street (Existing)

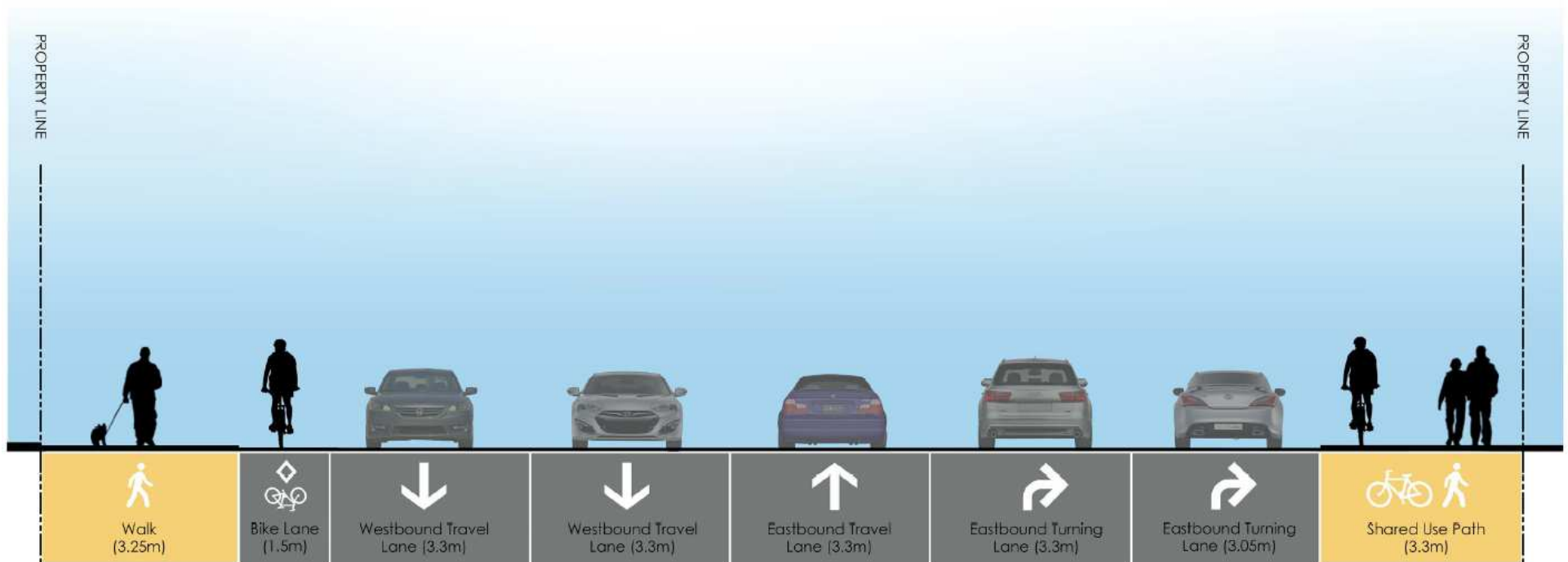
# 102 Avenue Options



102 Avenue – west of 124 Street (Cycle Track)



# 102 Avenue Options



102 Avenue – west of 124 Street (Bike Lanes)

# 102 Avenue Options



## 102 Avenue & 124 Street

- Four options available
- See detailed plans at tables

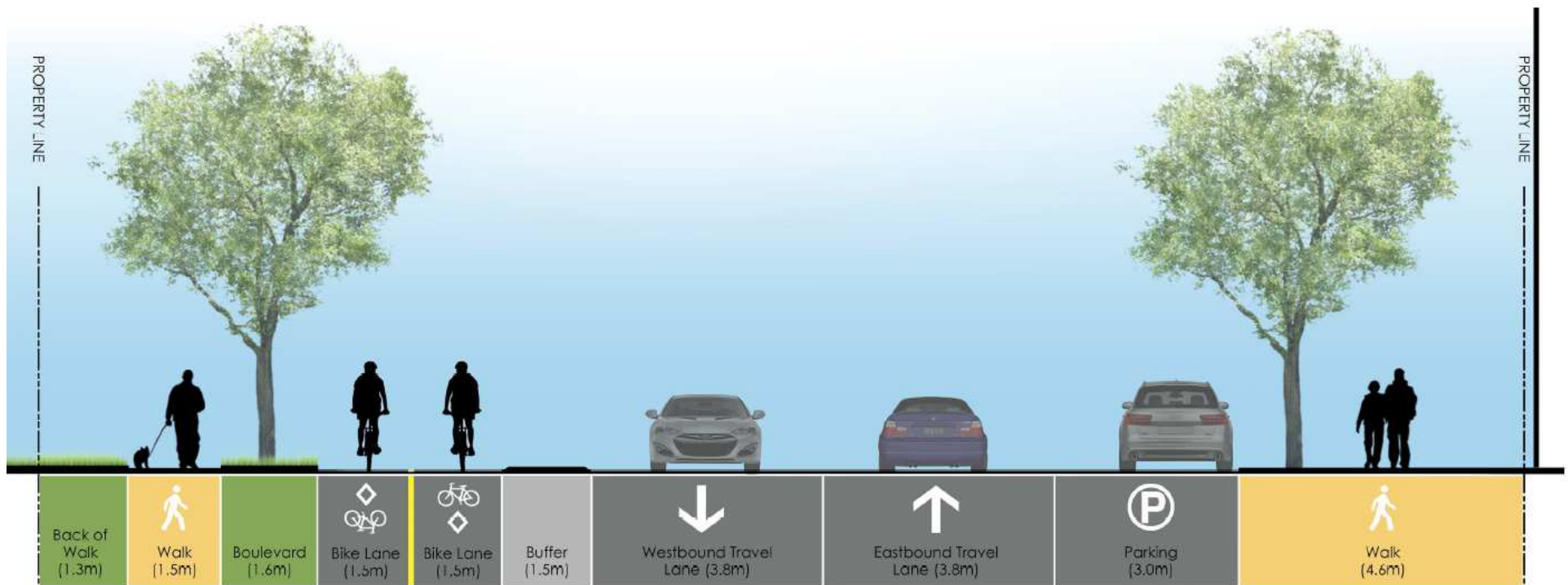


# 102 Avenue Options



102 Avenue – east of 124 Street (Existing)

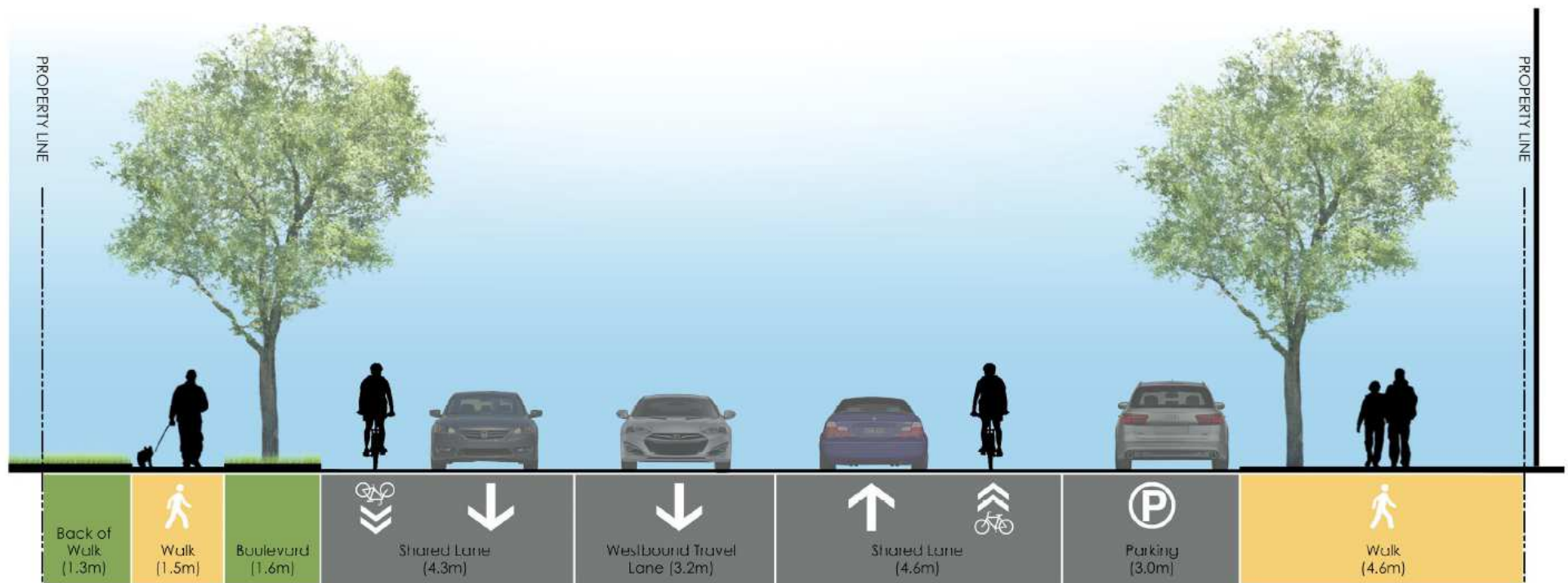
# 102 Avenue Options



102 Avenue – east of 124 Street (Cycle Track)



# 102 Avenue Options



102 Avenue – east of 124 Street (Bike Boulevard)

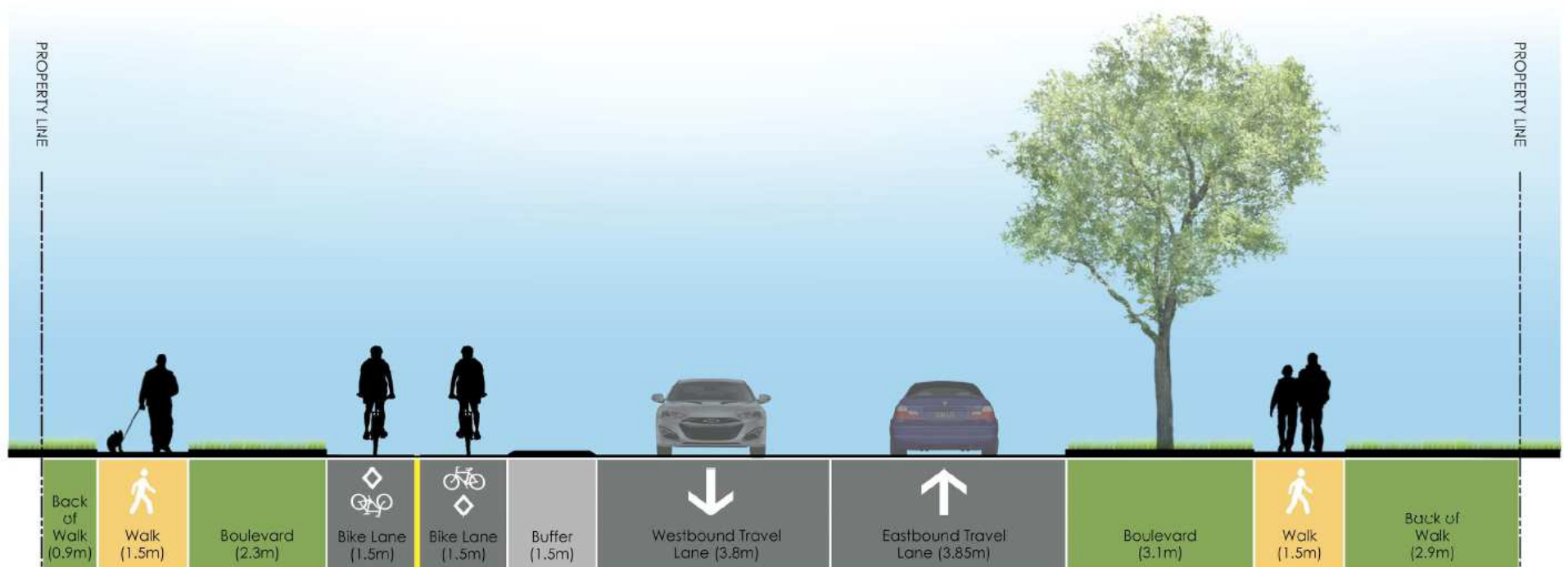
# 102 Avenue Options



102 Avenue – west of 123 Street (Existing)

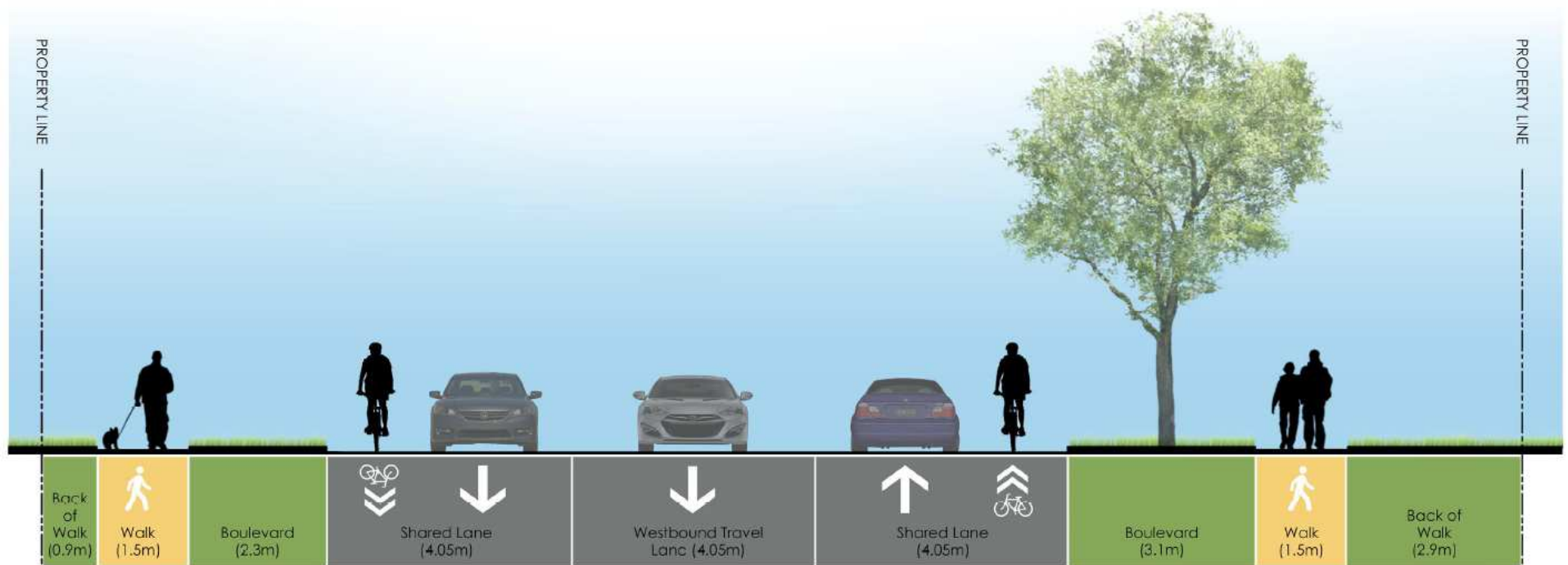


# 102 Avenue Options



102 Avenue – west of 123 Street (Cycle Track)

# 102 Avenue Options



102 Avenue – west of 123 Street (Bike Boulevard)

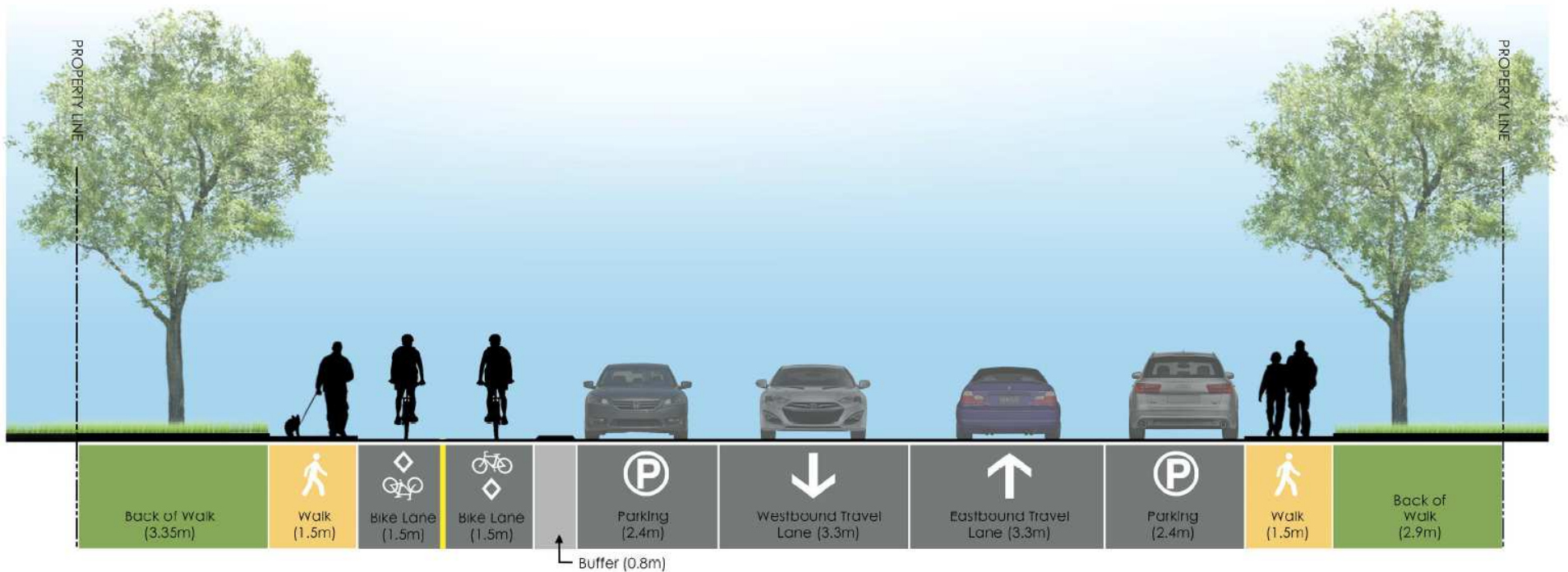


# 102 Avenue Options



102 Avenue – east of 123 Street (Existing)

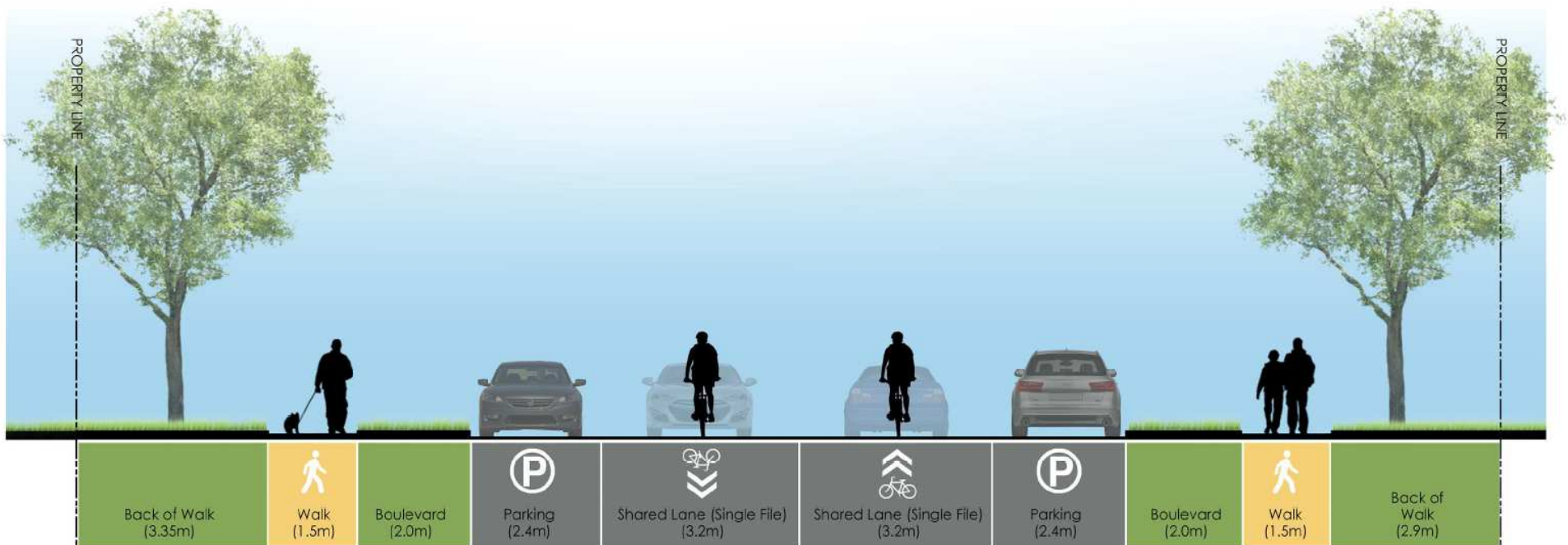
# 102 Avenue Options



102 Avenue – east of 123 Street (Cycle Track)



# 102 Avenue Options



102 Avenue – east of 123 Street (Bike Boulevard)

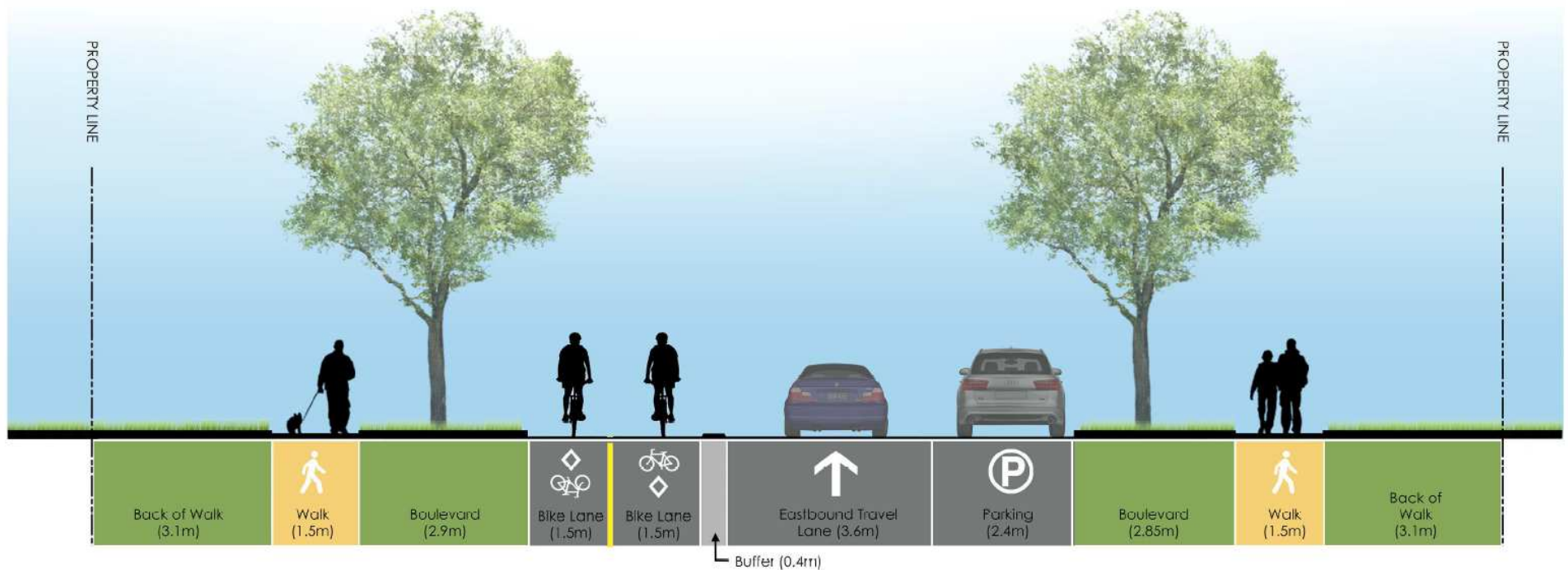
# 102 Avenue Options



102 Avenue – east of 121 Street (Existing)



# 102 Avenue Options



102 Avenue – east of 121 Street (Cycle Track)

# 102 Avenue Options



102 Avenue – east of 121 Street (Bike Boulevard)

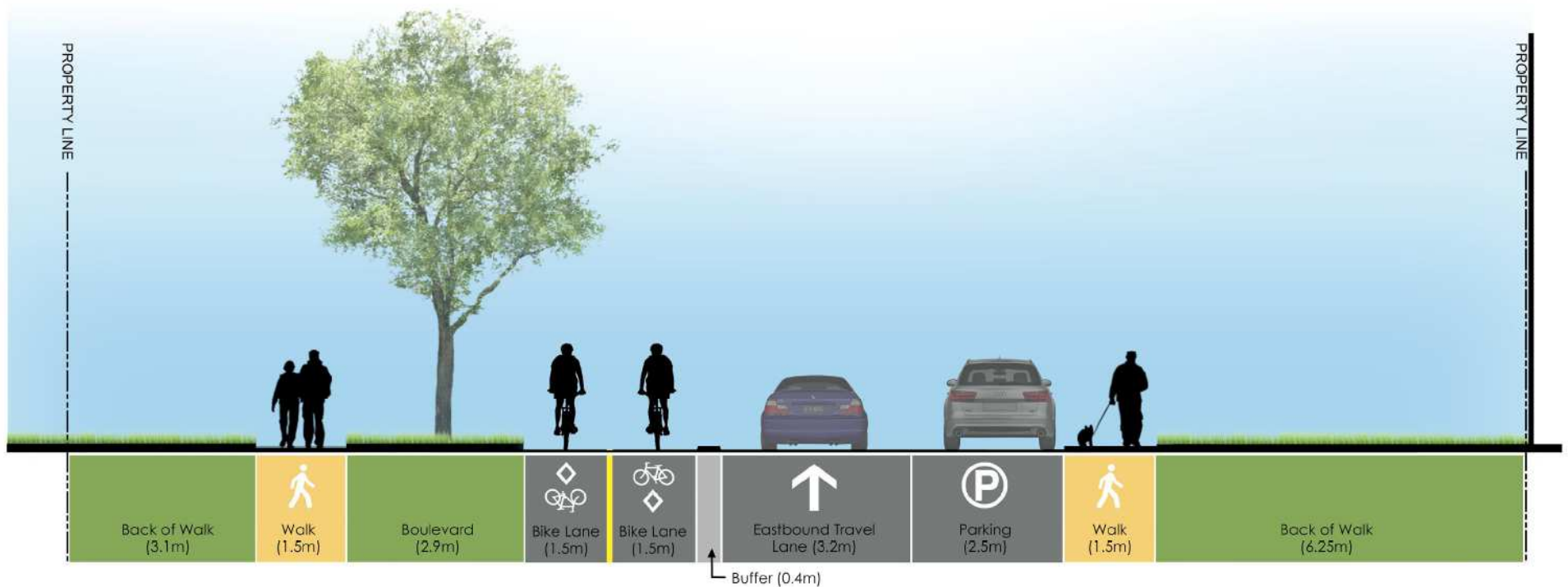


# 102 Avenue Options



102 Avenue – east of 112 Street (Existing)

# 102 Avenue Options



102 Avenue – east of 112 Street (Cycle Track)

# 102 Avenue Options



102 Avenue – east of 112 Street (Bike Boulevard)



# What's next

- **Detailed plans and information** is available at the tables
- **Provide your input** on trade-offs, and what you feel is most important