



Major Bike Routes - 83 Avenue  
Workshop  
November 27, 2014

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



# Our Purpose Today

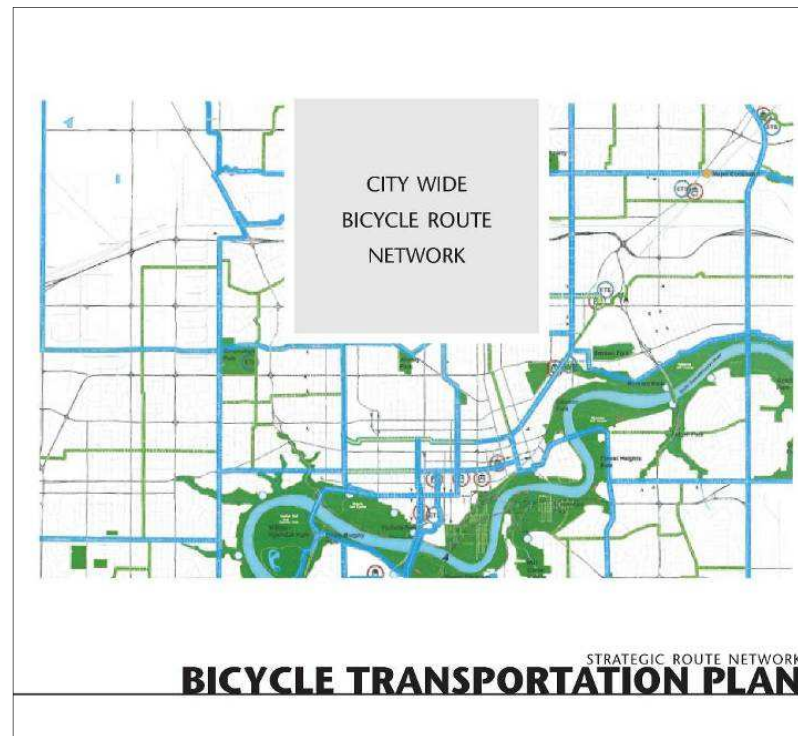
- **Provide context** on how Major Bike Routes fit into Edmonton's vision of the future
- **Share information on what we heard** in June, and how it has been incorporated
- **Discuss different design options** for fitting the routes into the neighbourhoods
- **Get your input on trade-offs**, and what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

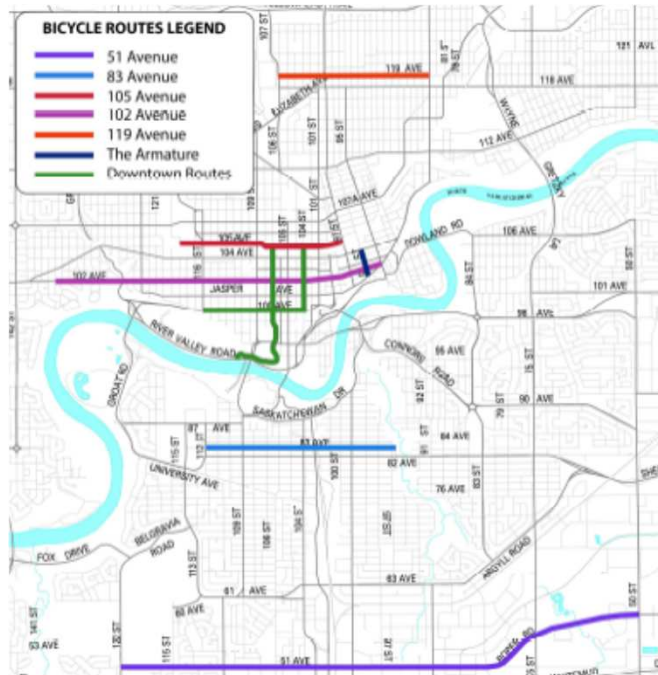
# How we started: Mandate

*Council approved in 2009*

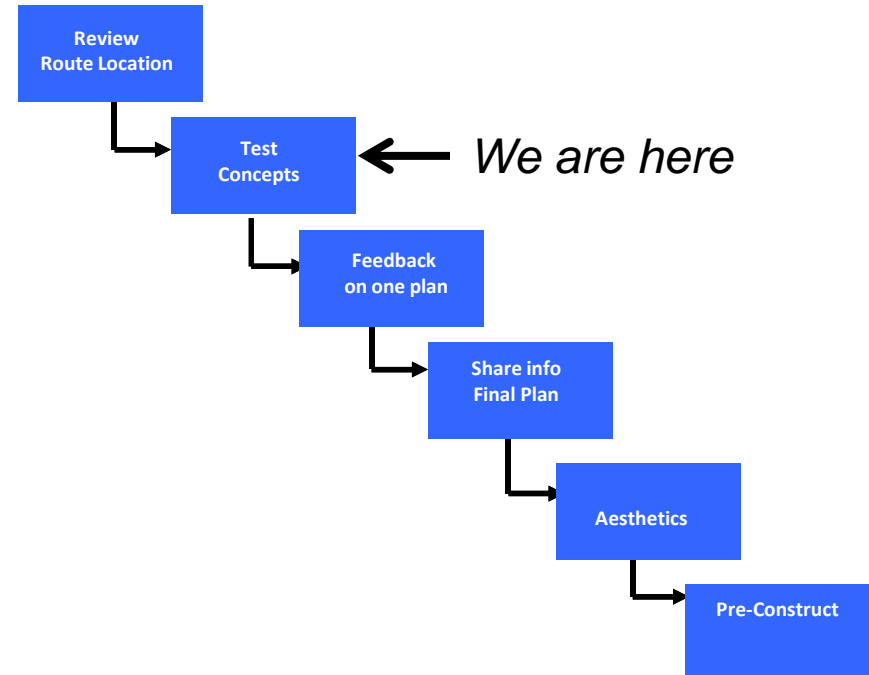


# Council Direction (June 2014)

## 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
  - 81 Avenue
  - 82 Avenue
  - 83 Avenue
  - 84 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.
  - 81 Avenue, 82 Avenue
- Phase 2 - Remaining routes were assessed against the 16 Evaluation Criteria
  - 83 Avenue, 84 Avenue



# 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
- 83 Avenue had an overall score of 84.3
- 84 Avenue had an overall score of 79.0

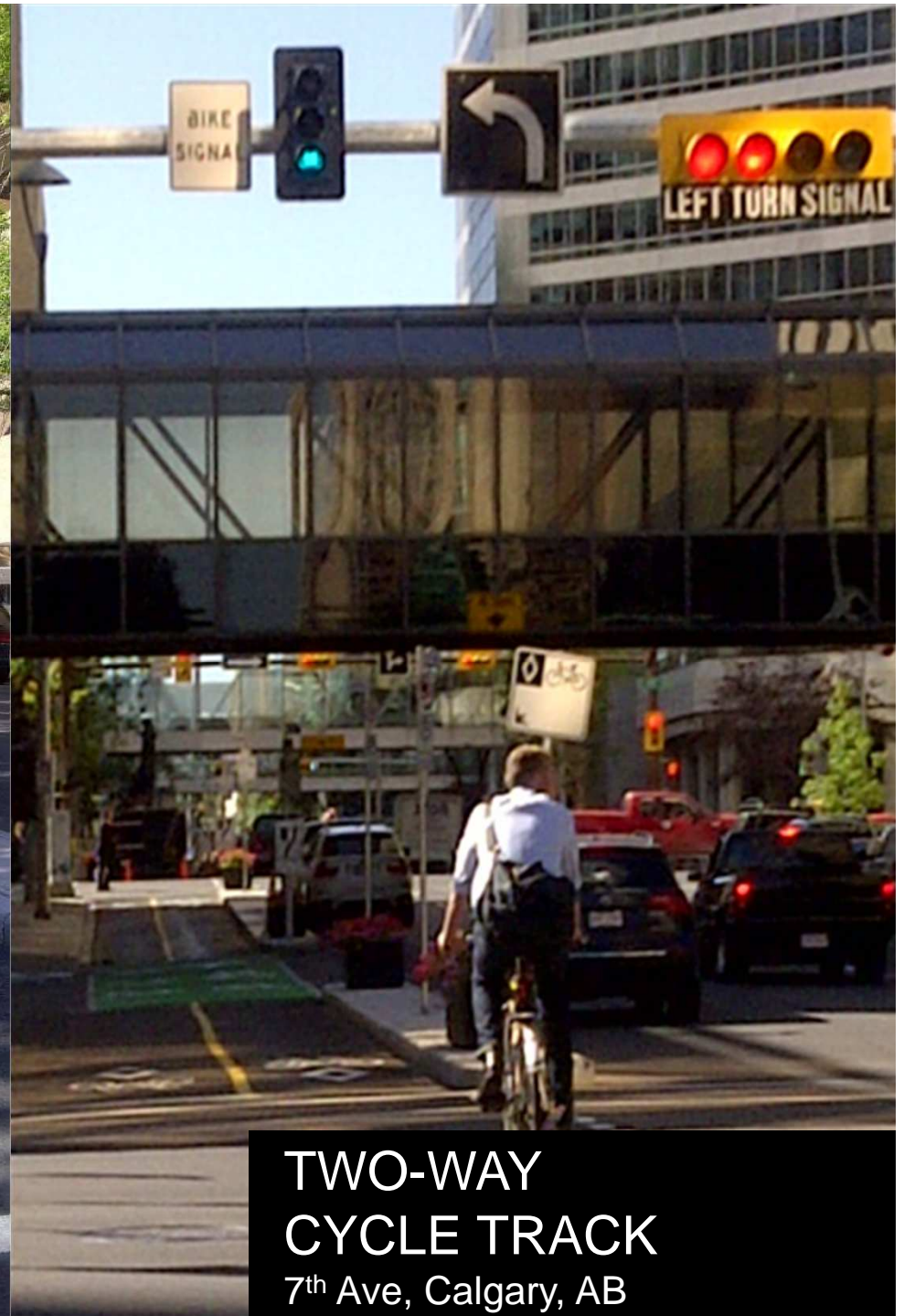
# Definition: Cycle Track



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.



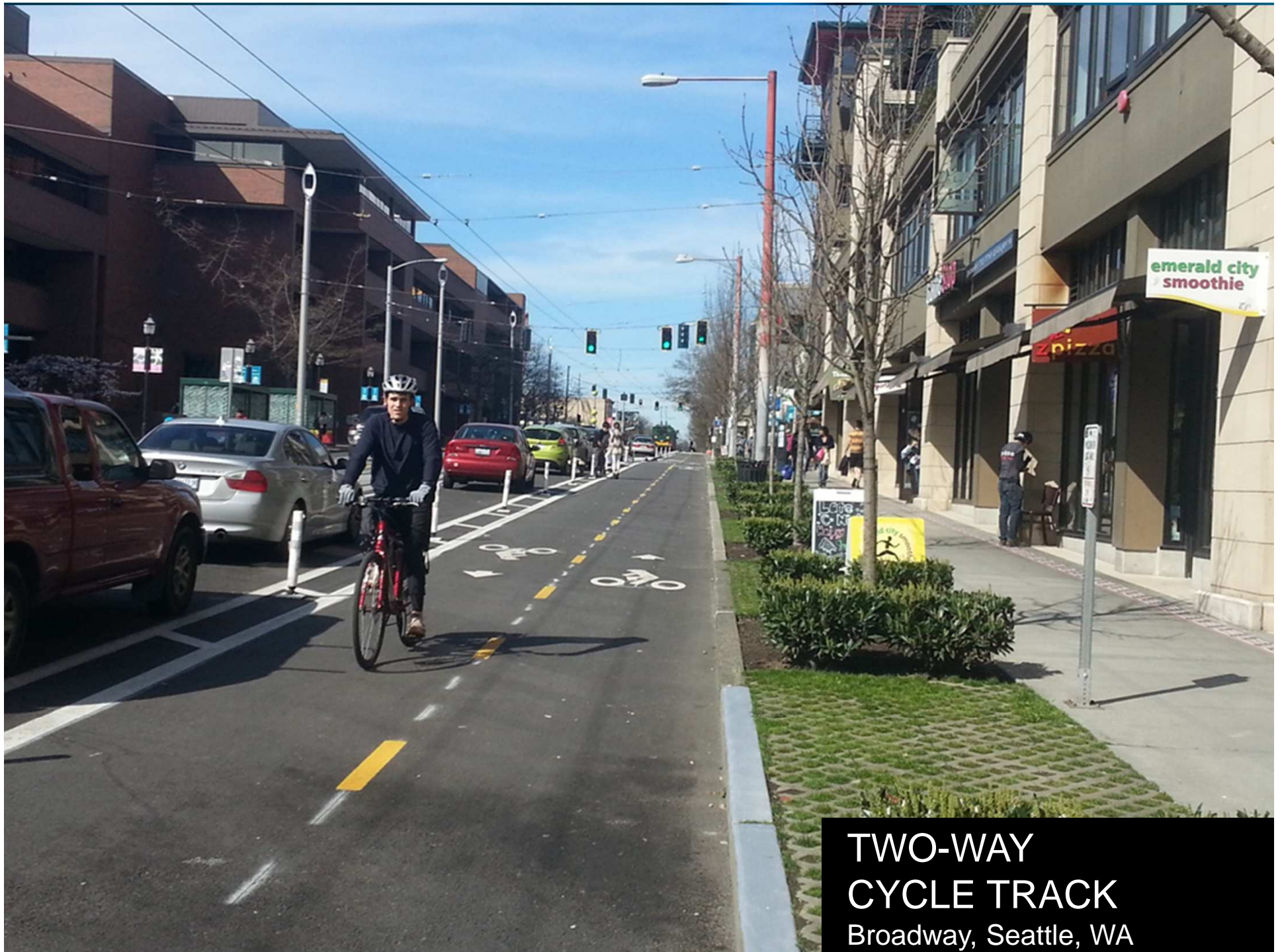






CYCLE TRACK IN  
WINTER  
7th Ave, Calgary, AB





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

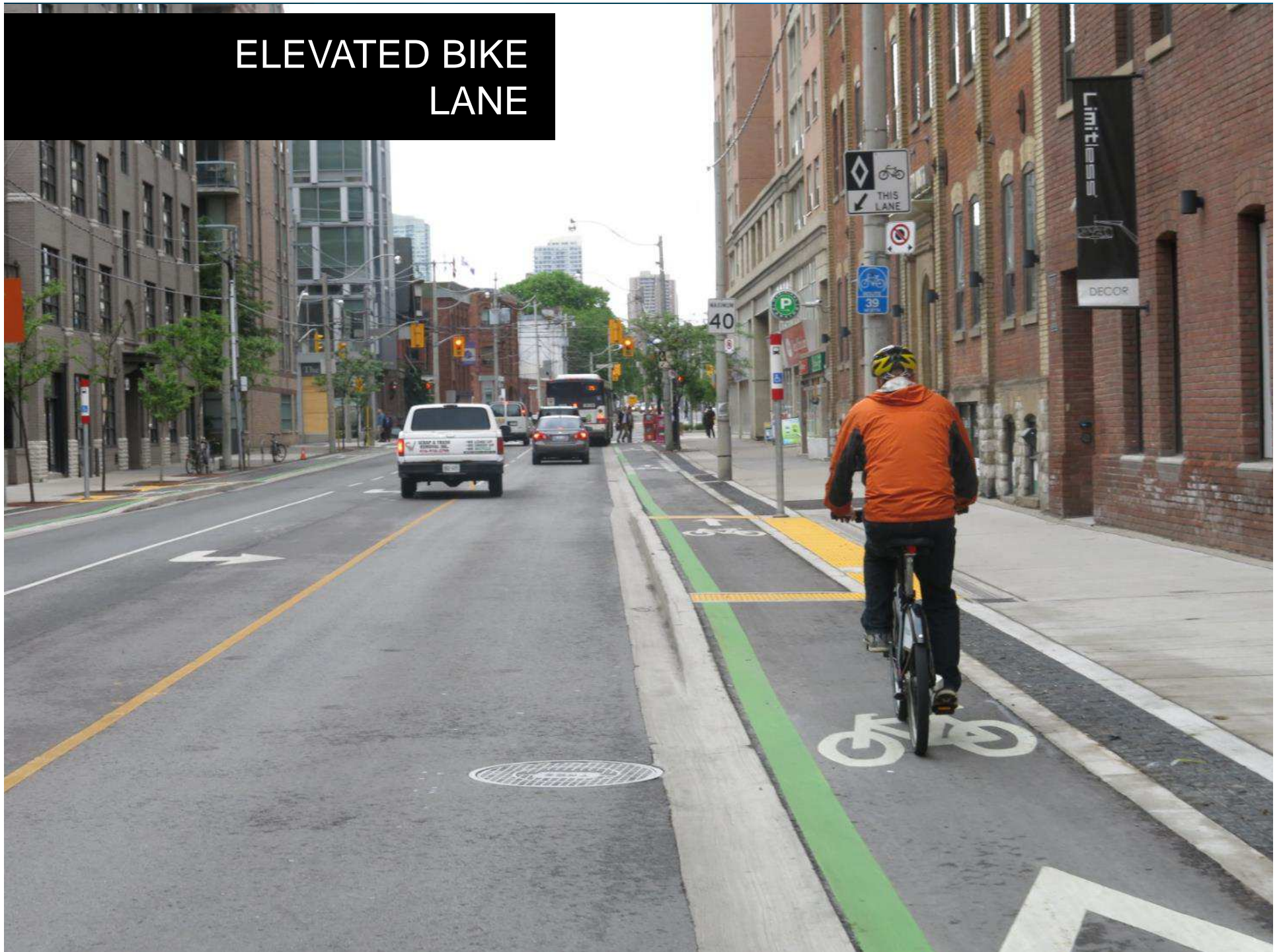




**TWO-WAY CYCLE  
TRACK (LOCAL ROAD)**  
Assiniboine Ave, Winnipeg, MB



# ELEVATED BIKE LANE



# Definition: Bike Boulevard

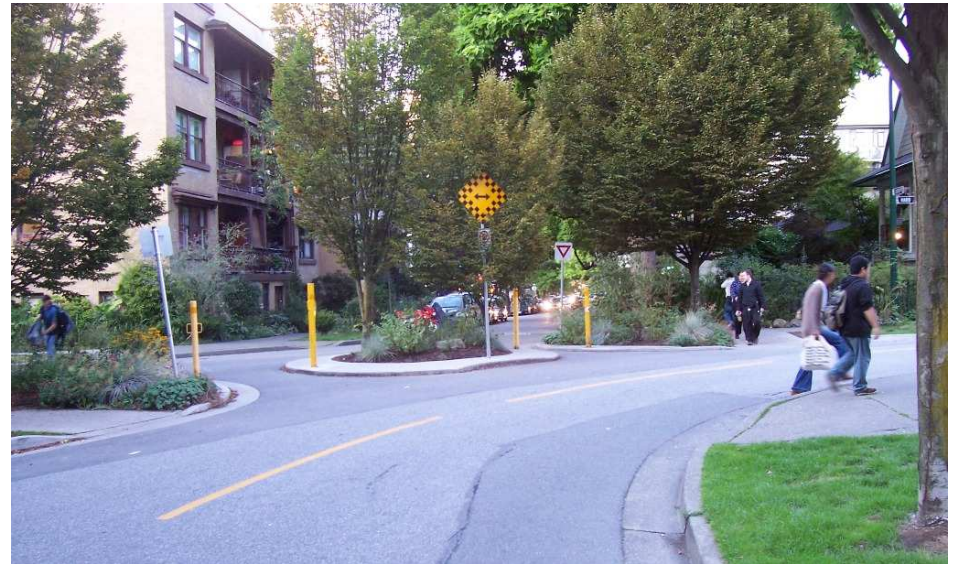
Shared road space that gives priority to cyclists and pedestrians:

- 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





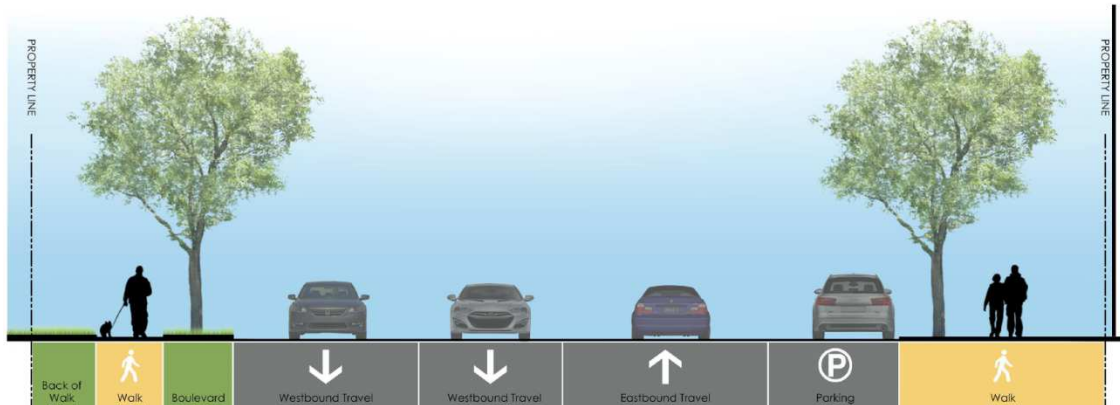
# What's a cross-section?

Includes:

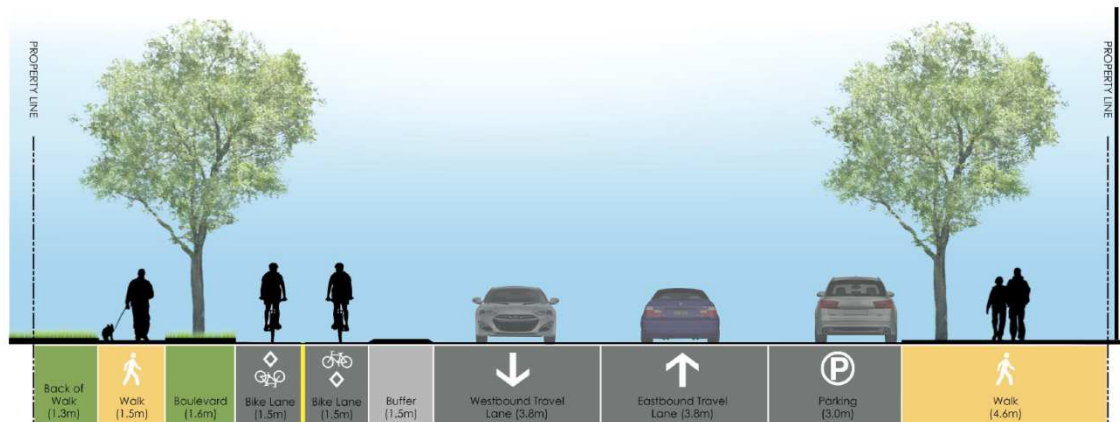
- Road width
- Parking
- Trees
- Sidewalk
- Curbs
- Driving lanes
- Space for bikes



# What does it show us?



Existing



Potential

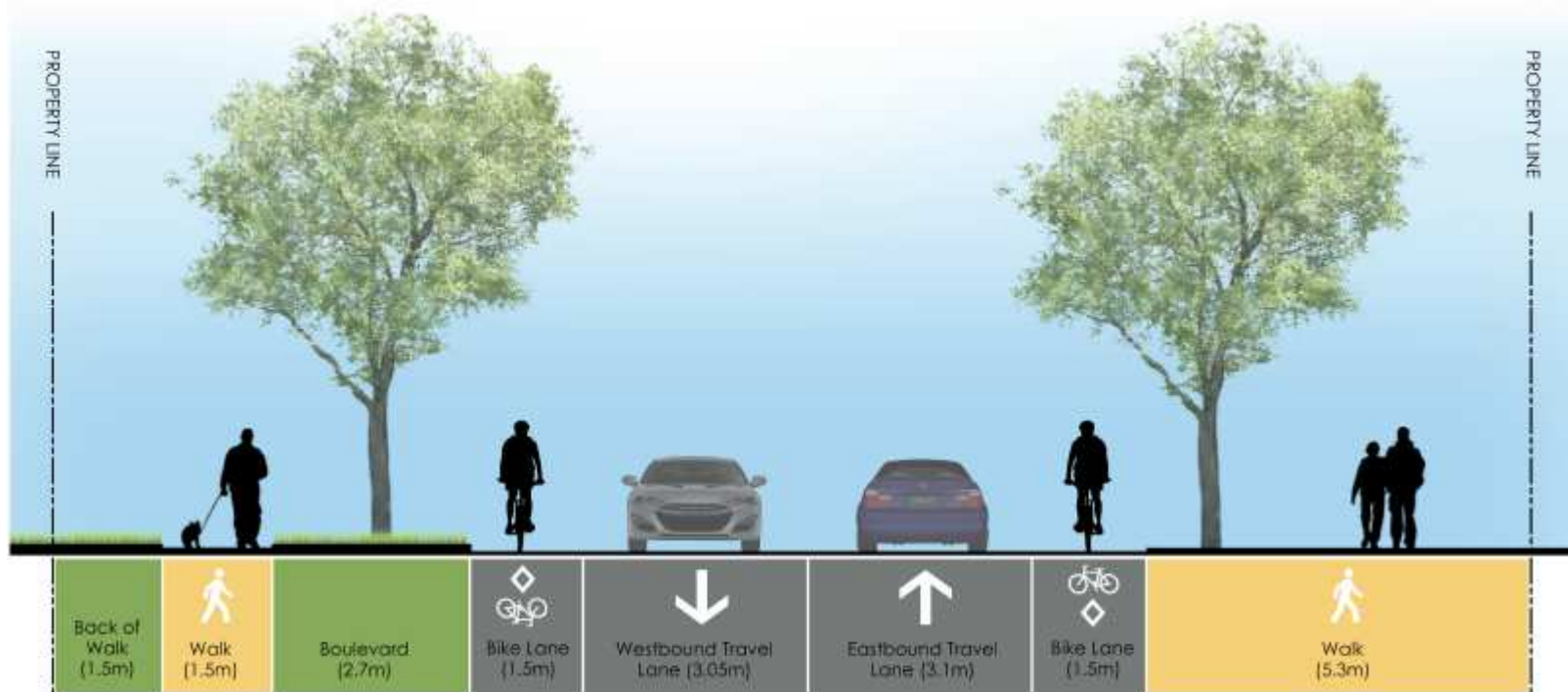
# 83 Avenue Options



83 Avenue – east of 112 Street (Existing)



# 83 Avenue Options



83 Avenue – east of 112 Street (Bike Lanes)

# 83 Avenue Options



83 Avenue – east of 112 Street (Bike Boulevard)

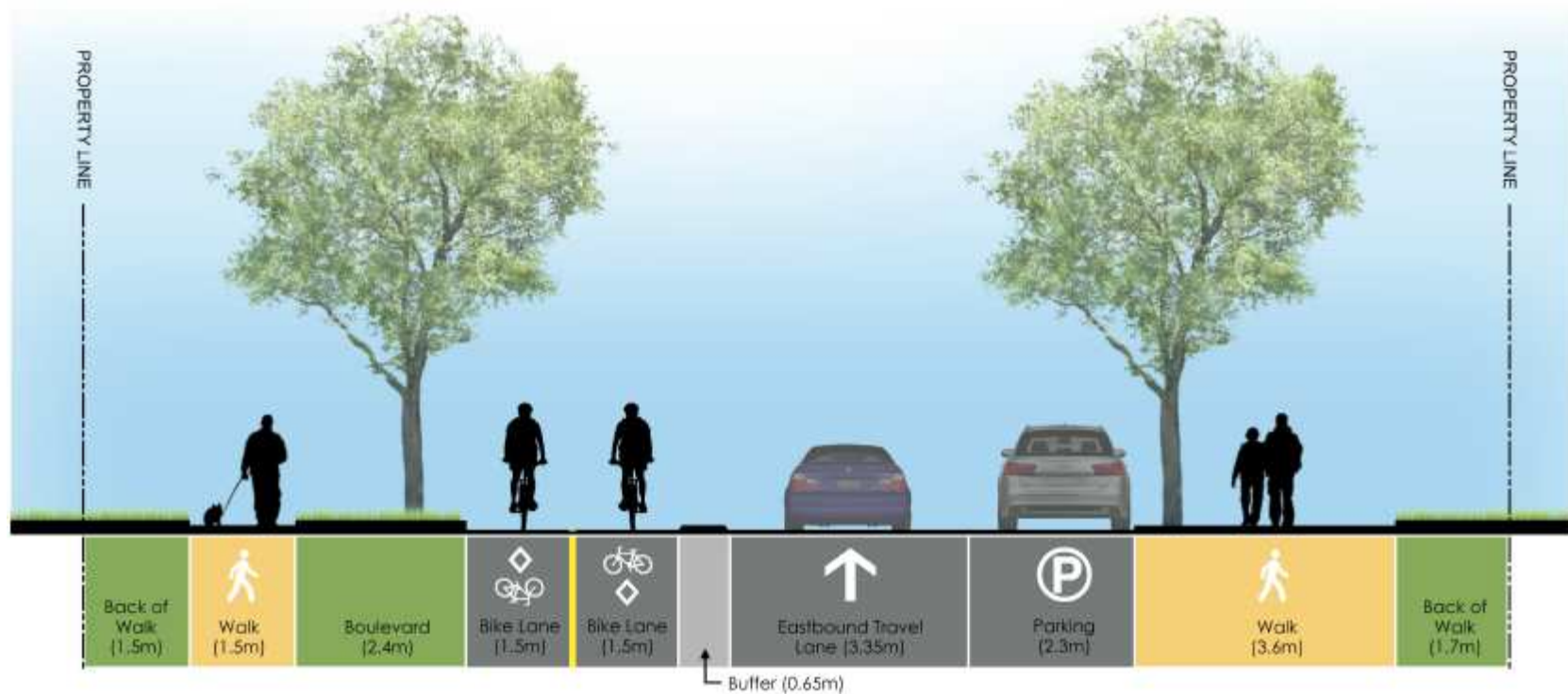
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83 Avenue – west of 111 Street (Existing)

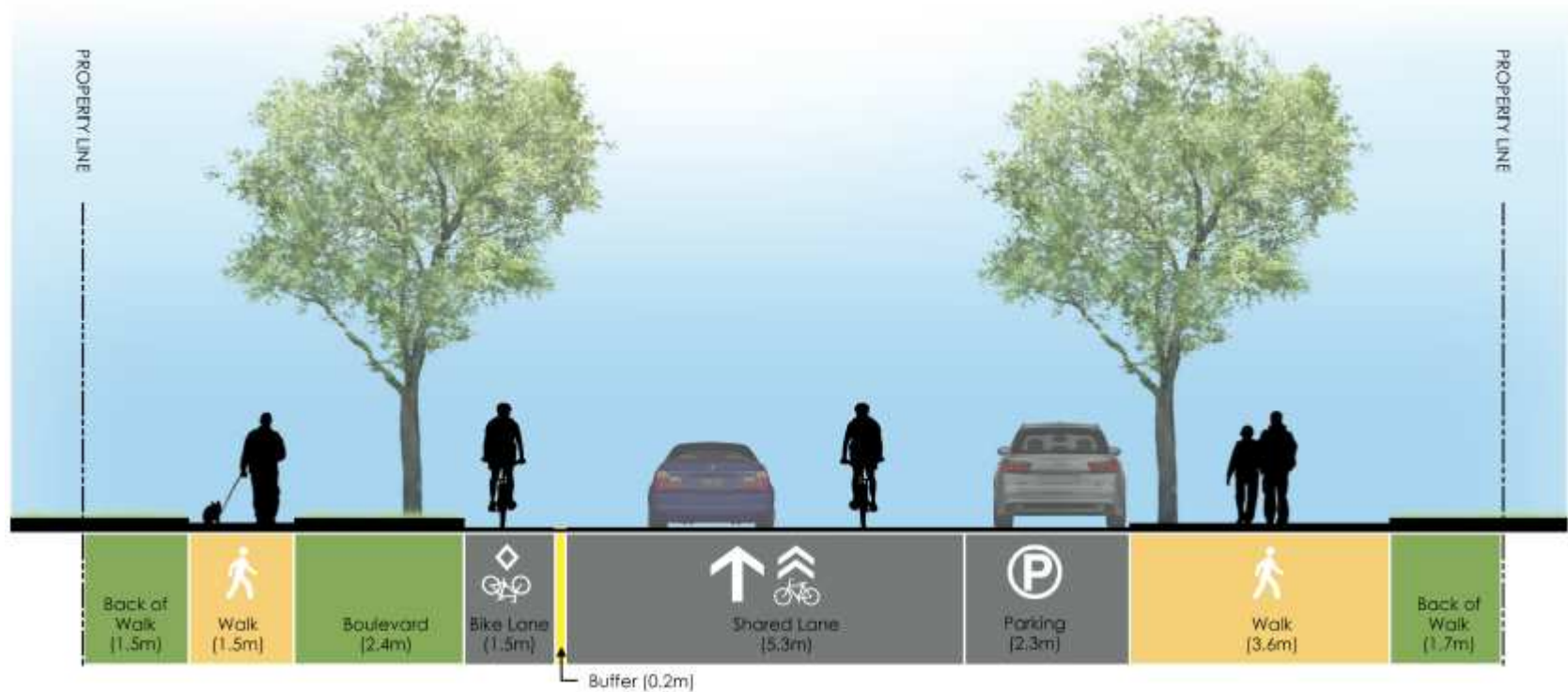


# 83 Avenue Options



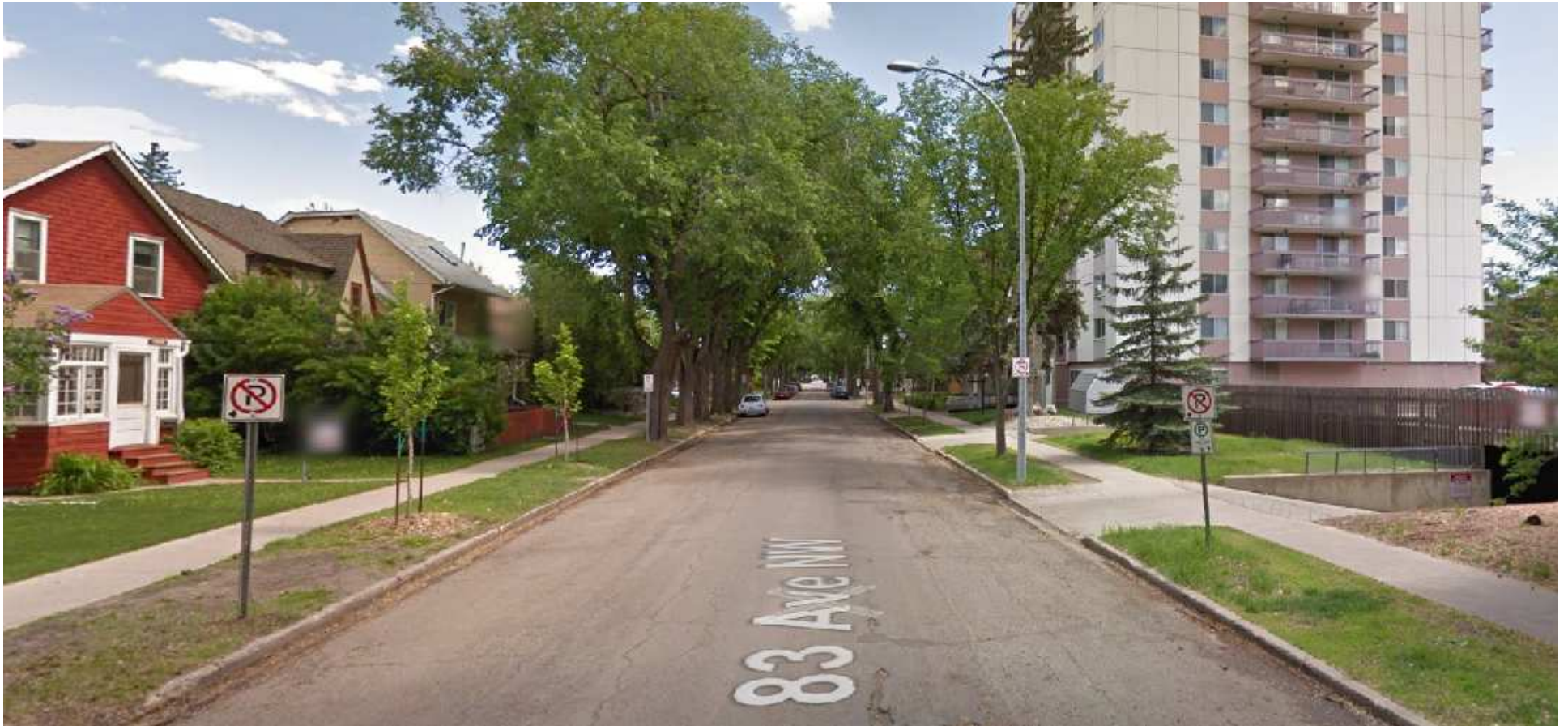
83 Avenue – west of 111 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – west of 111 Street (Bike Boulevard)

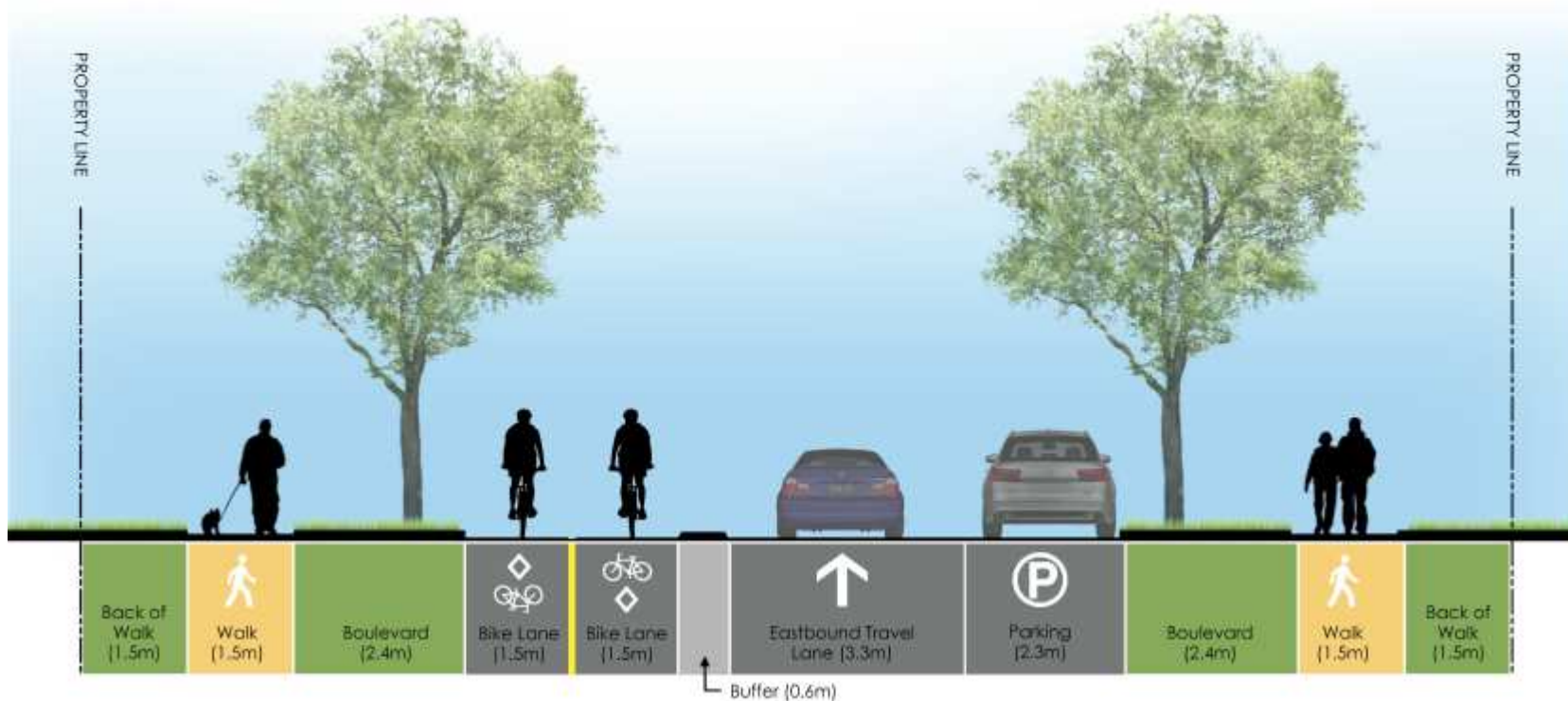
# 83 Avenue Options



83 Avenue – east of 111 Street (Existing)

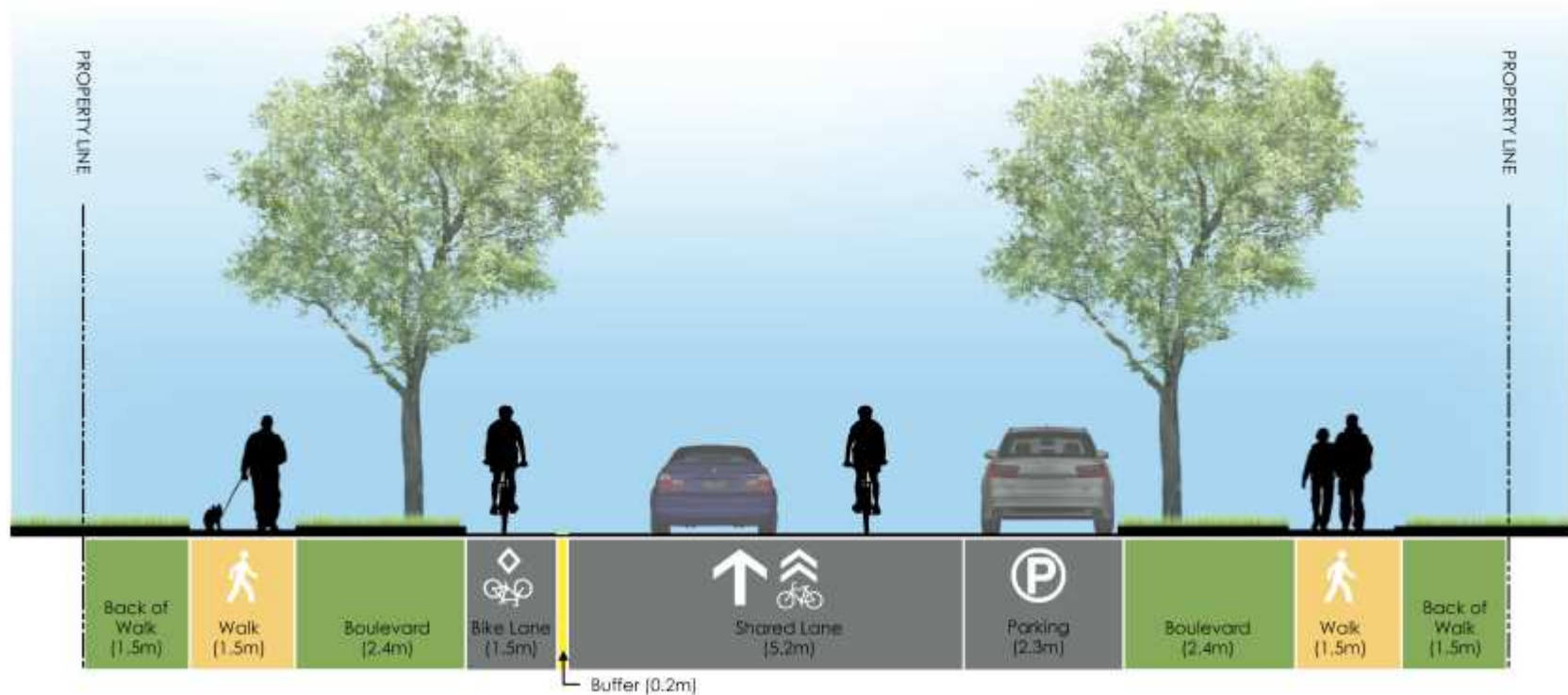


# 83 Avenue Options



83 Avenue – east of 111 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – east of 111 Street (Bike Boulevard)

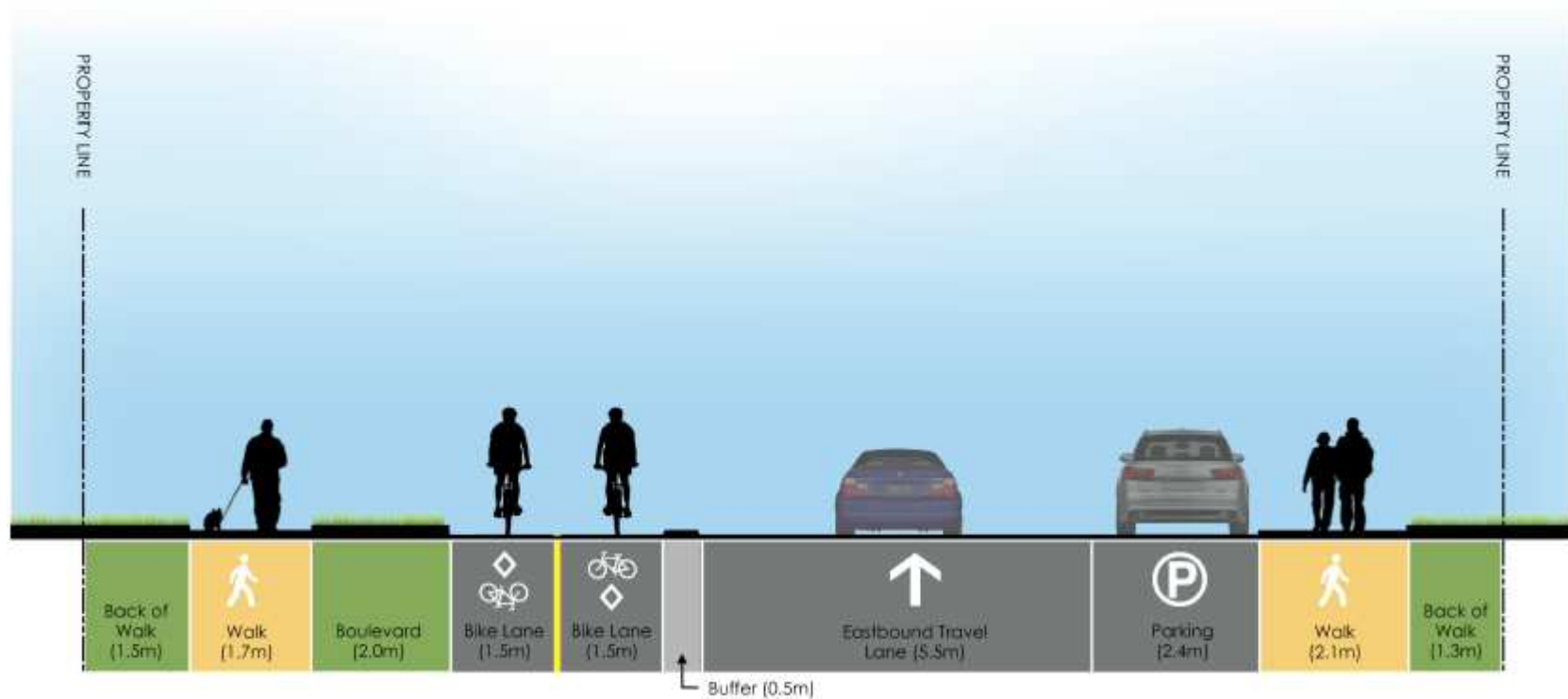
# 83 Avenue Options



83 Avenue – west of 109 Street (Existing)

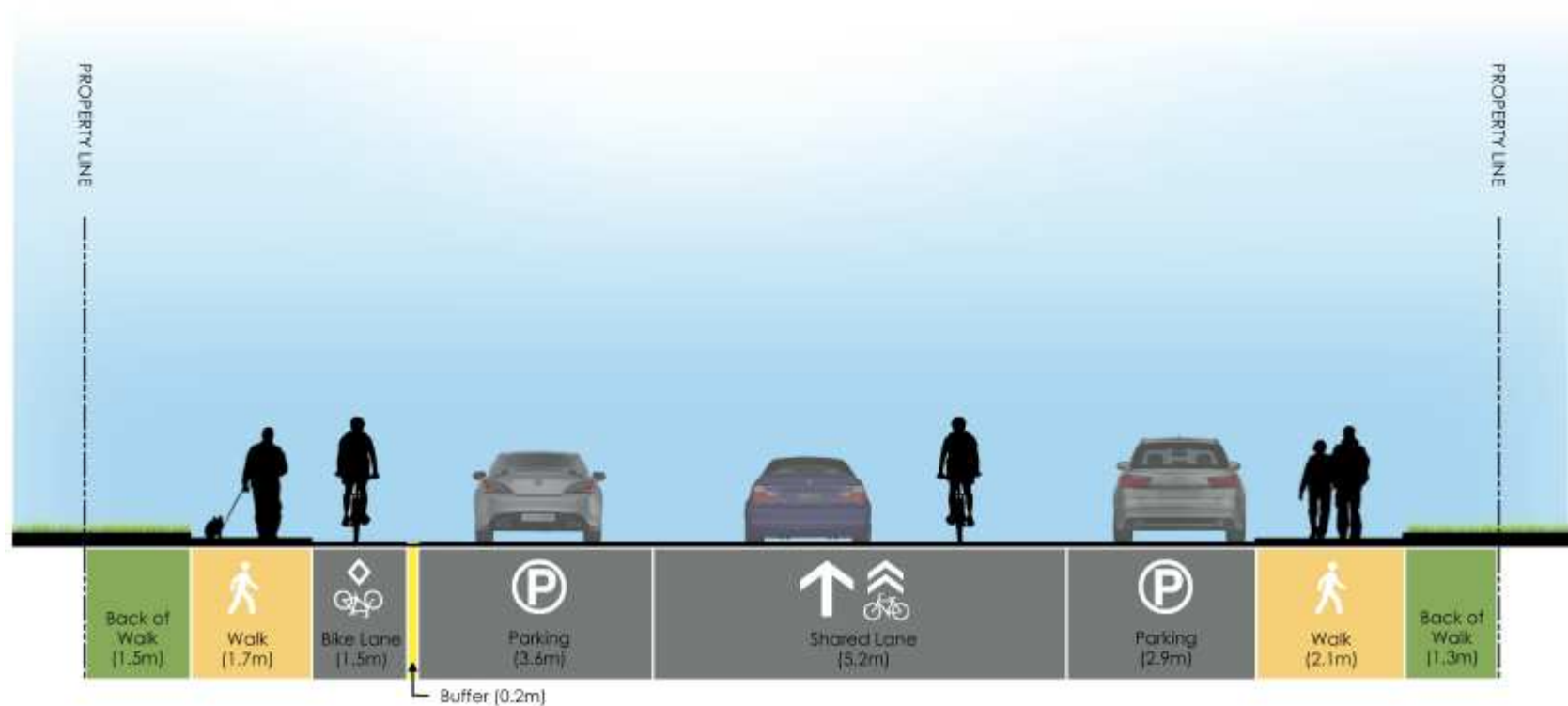


# 83 Avenue Options



83 Avenue – west of 109 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – west of 109 Street (Bike Boulevard)

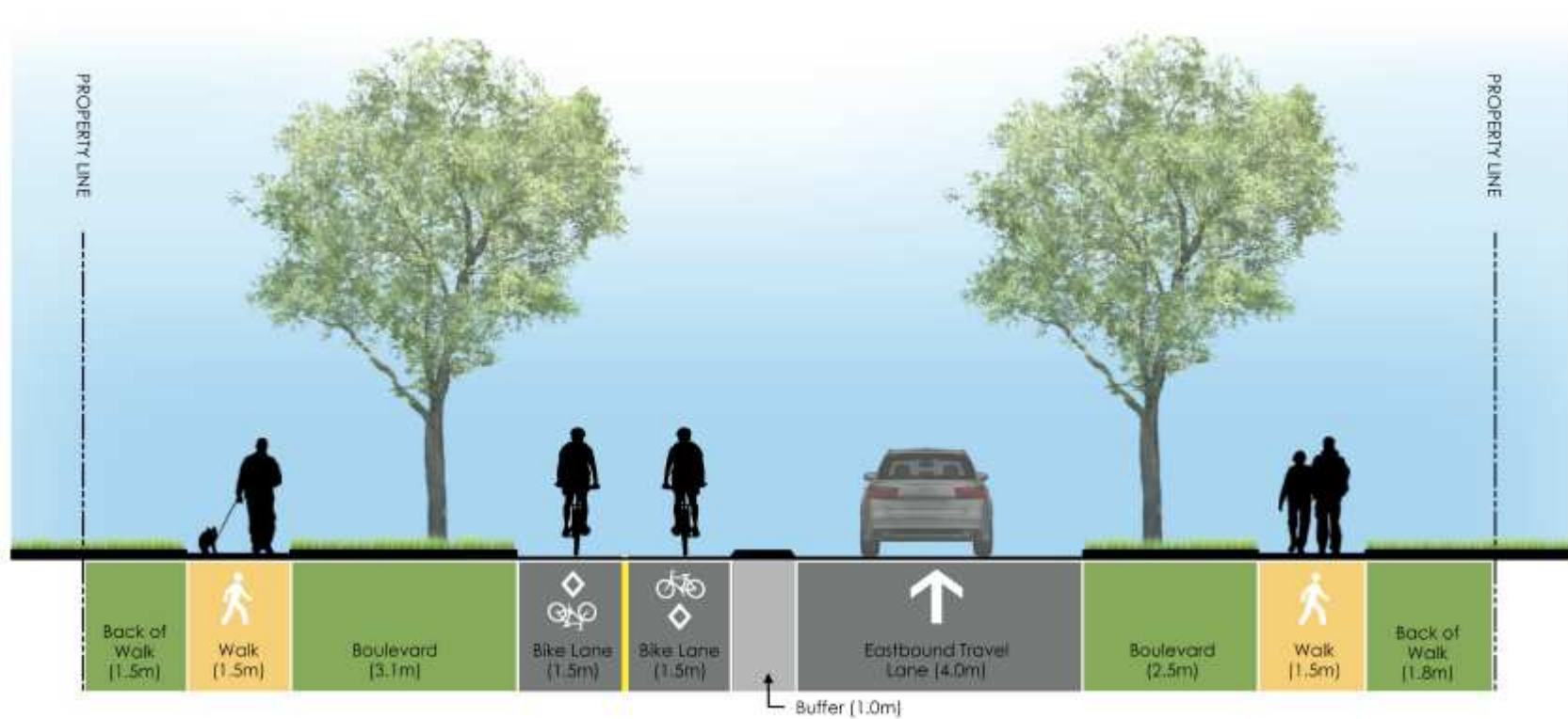
# 83 Avenue Options



83 Avenue – east of 109 Street (Existing)



# 83 Avenue Options



83 Avenue – east of 109 Street (Cycle Track)



# 83 Avenue Options



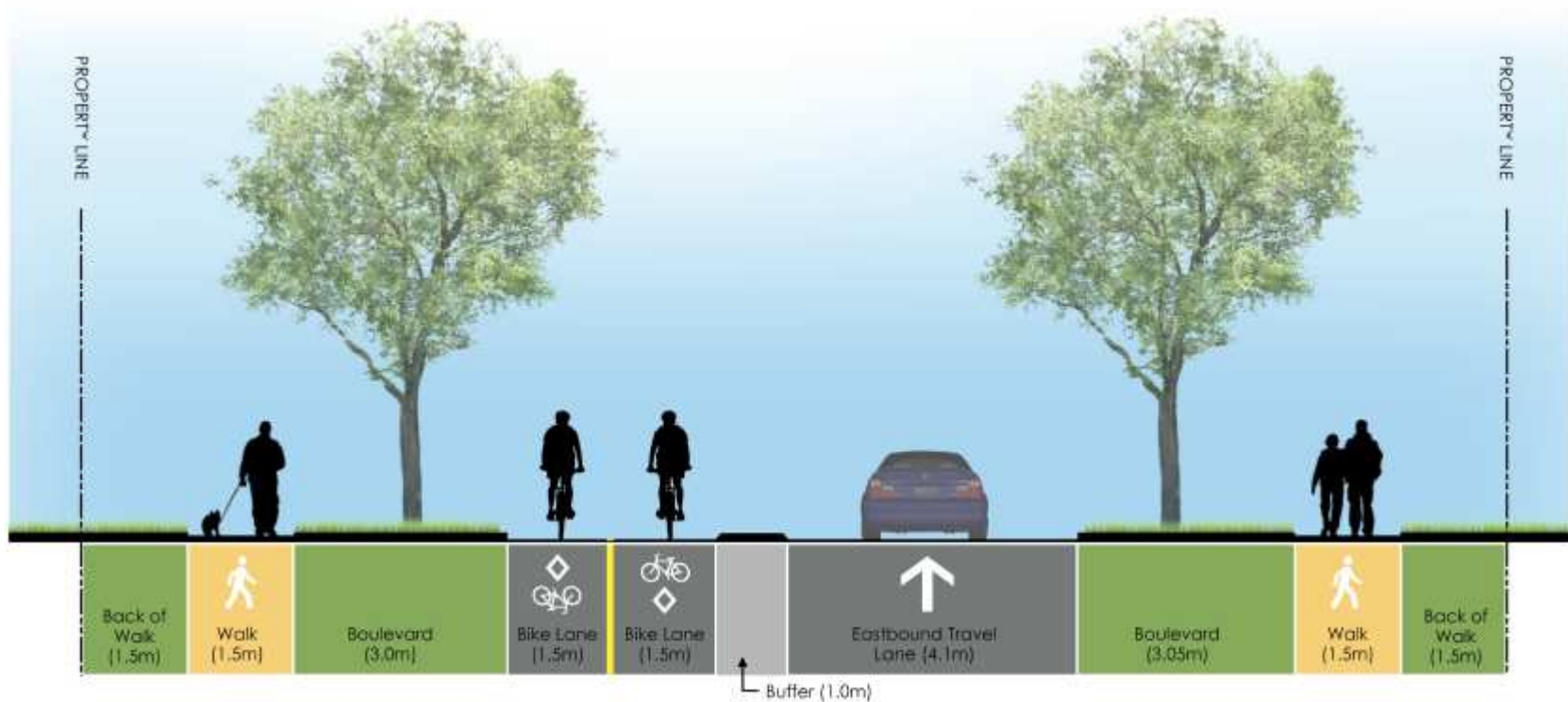
83 Avenue – east of 109 Street (Bike Boulevard)

# 83 Avenue Options



83 Avenue – east of 108 Street (Existing)

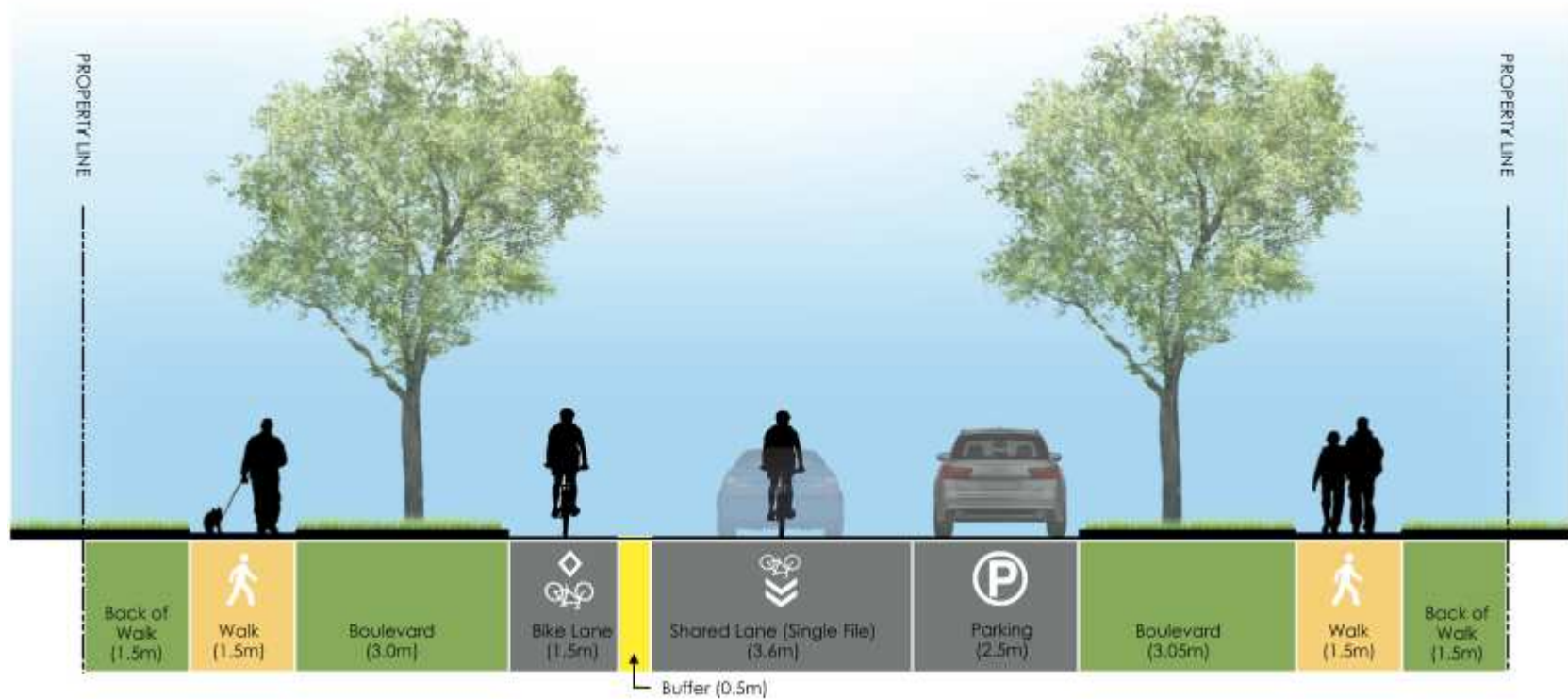
# 83 Avenue Options



83 Avenue – east of 108 Street (Cycle Track)



# 83 Avenue Options



83 Avenue – east of 108 Street (Bike Boulevard)

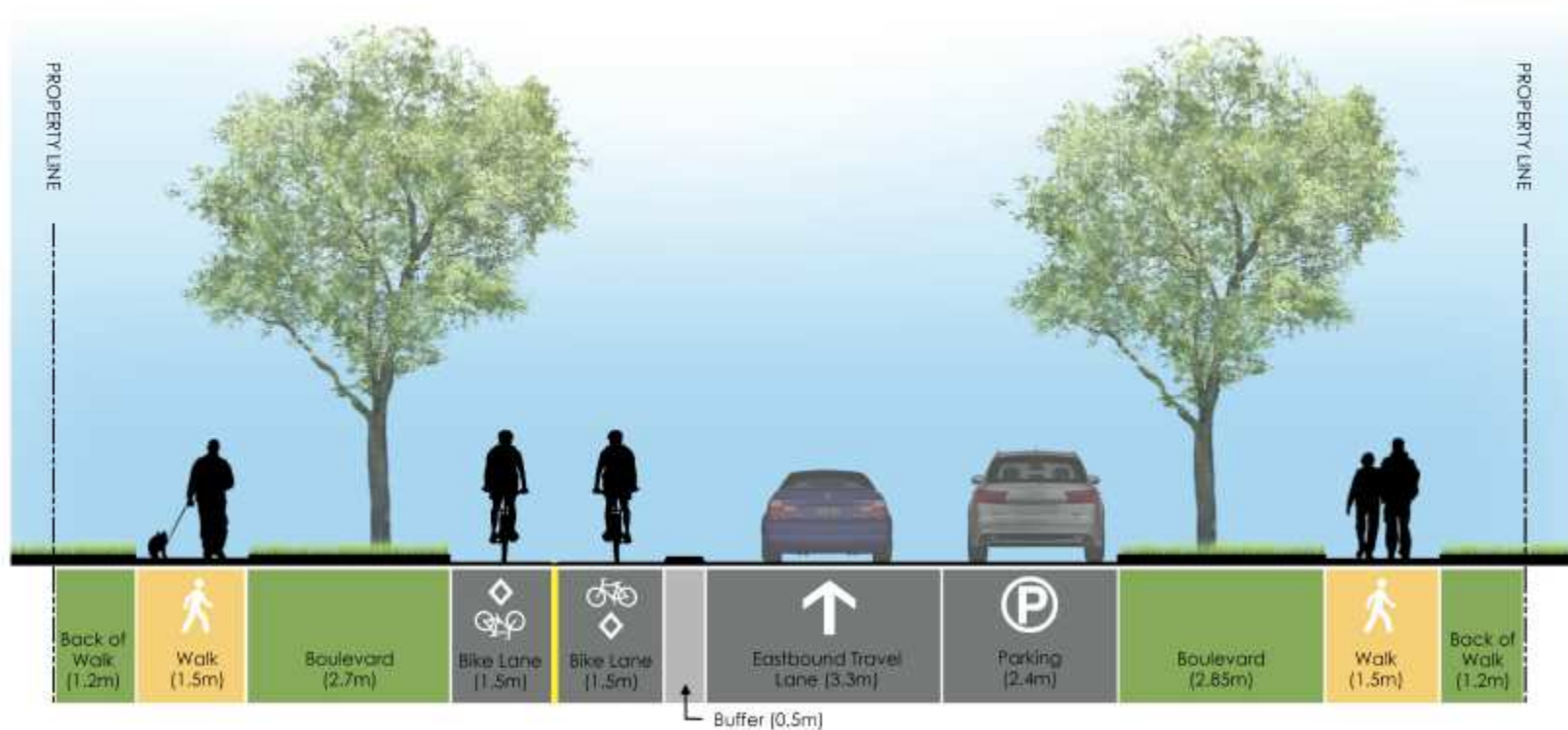
# 83 Avenue Options



83 Avenue – east of 106 Street (Existing)

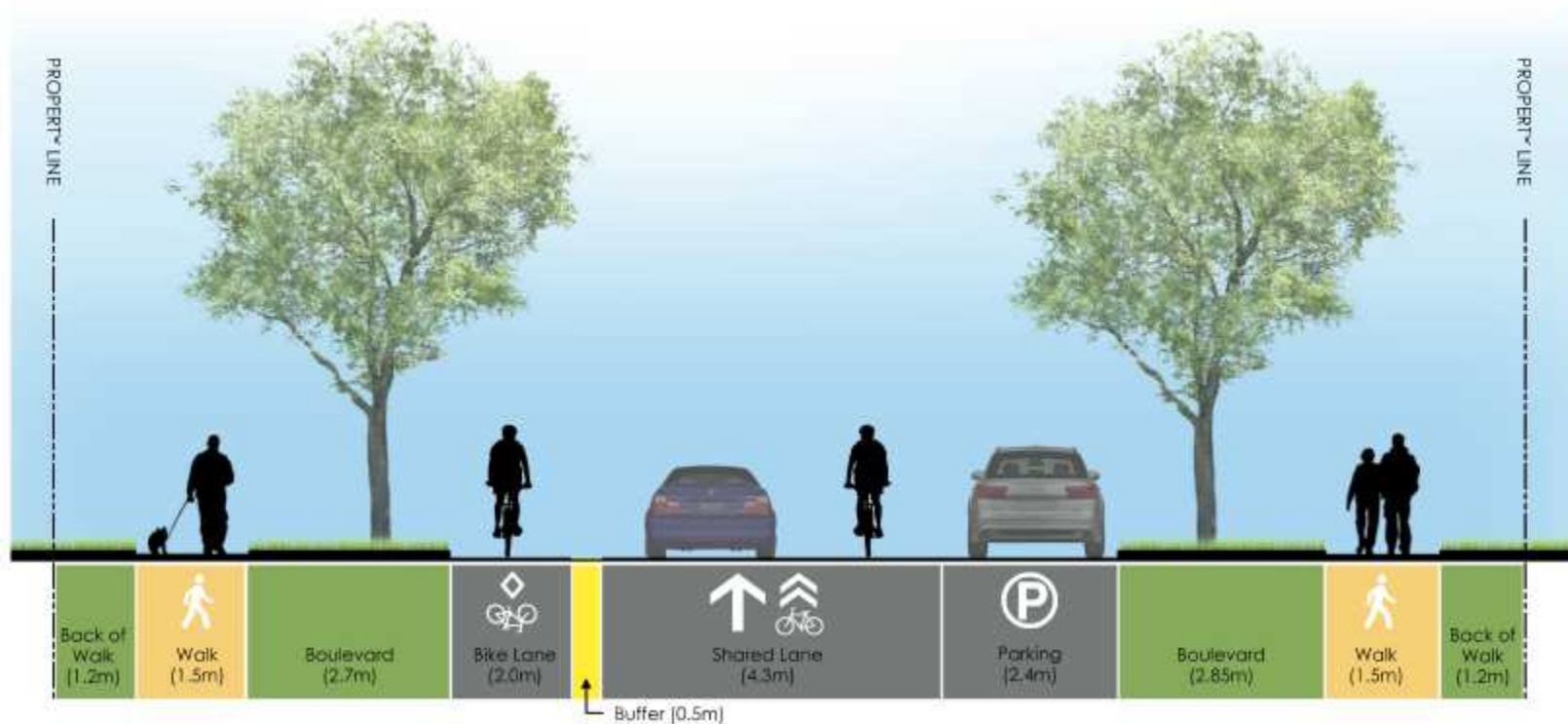


# 83 Avenue Options



83 Avenue – east of 106 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – east of 106 Street (Bike Boulevard)

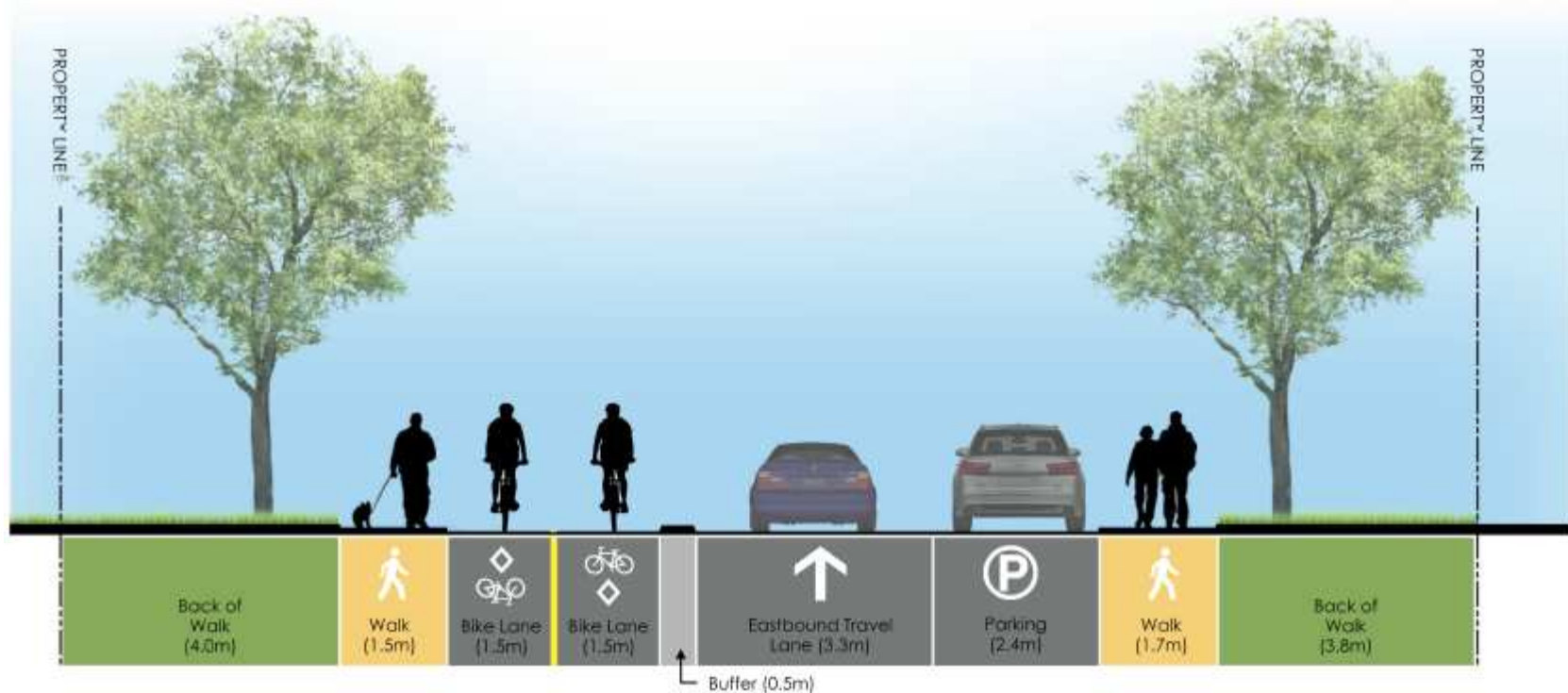


# 83 Avenue Options



83 Avenue – east of 105 Street (Existing)

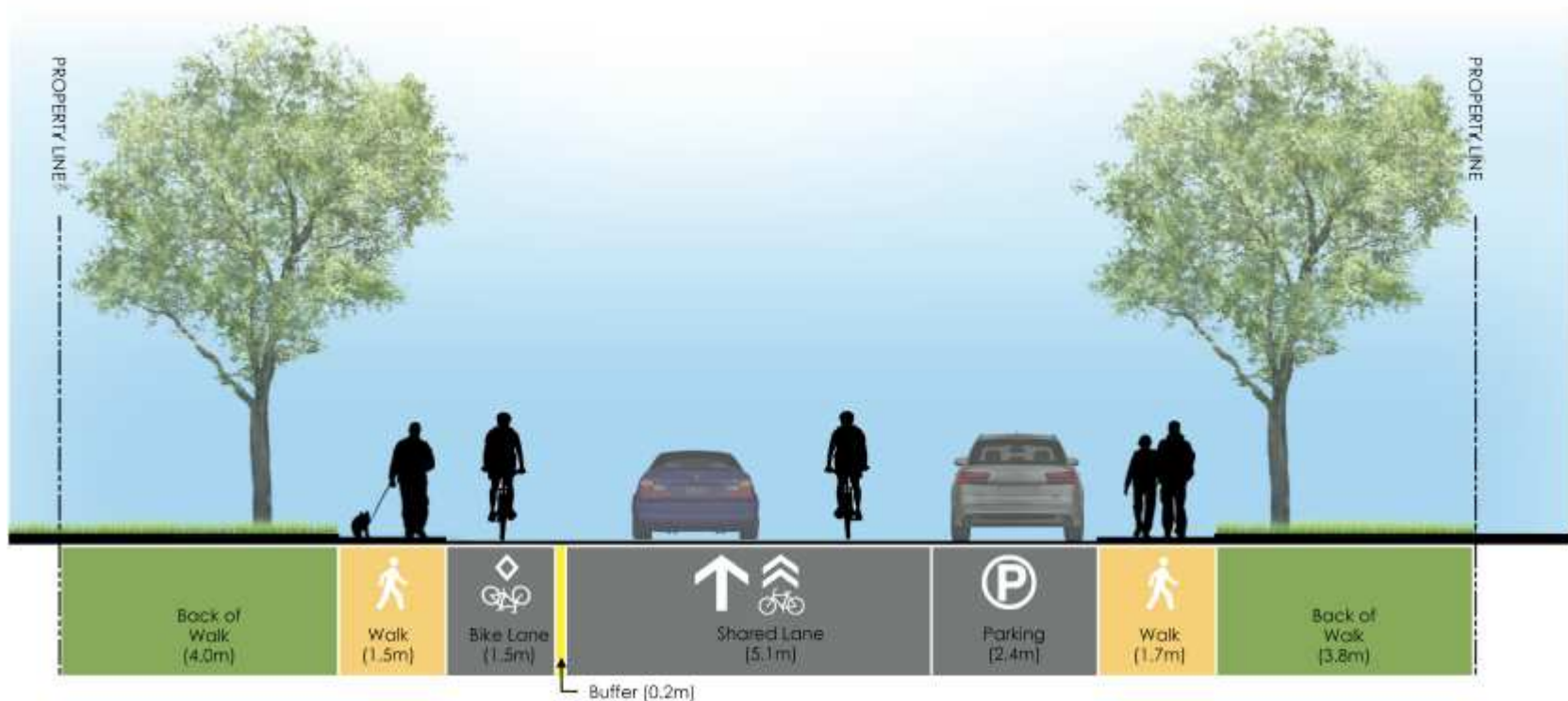
# 83 Avenue Options



83 Avenue – east of 105 Street (Cycle Track)



# 83 Avenue Options



83 Avenue – east of 105 Street (Bike Boulevard)

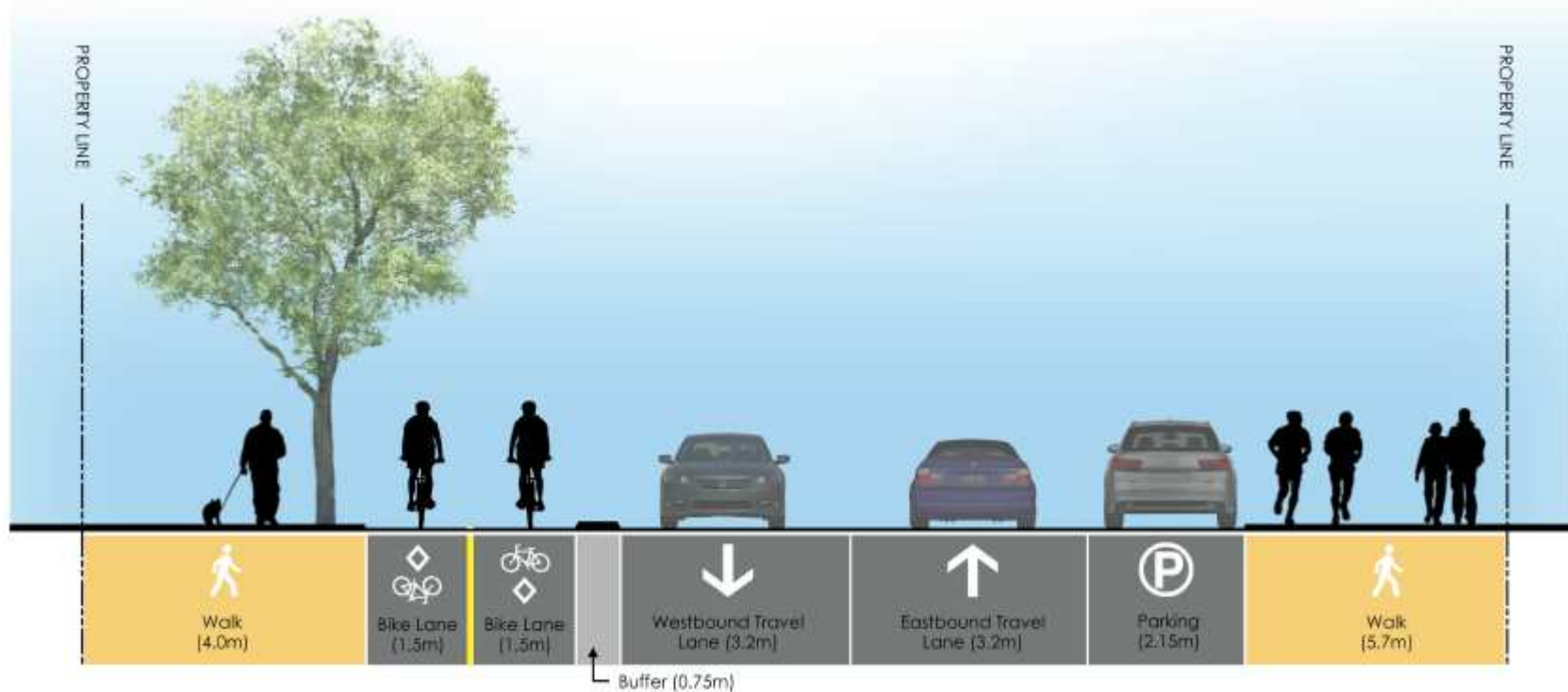
# 83 Avenue Options



83 Avenue – east of 104 Street (Existing)

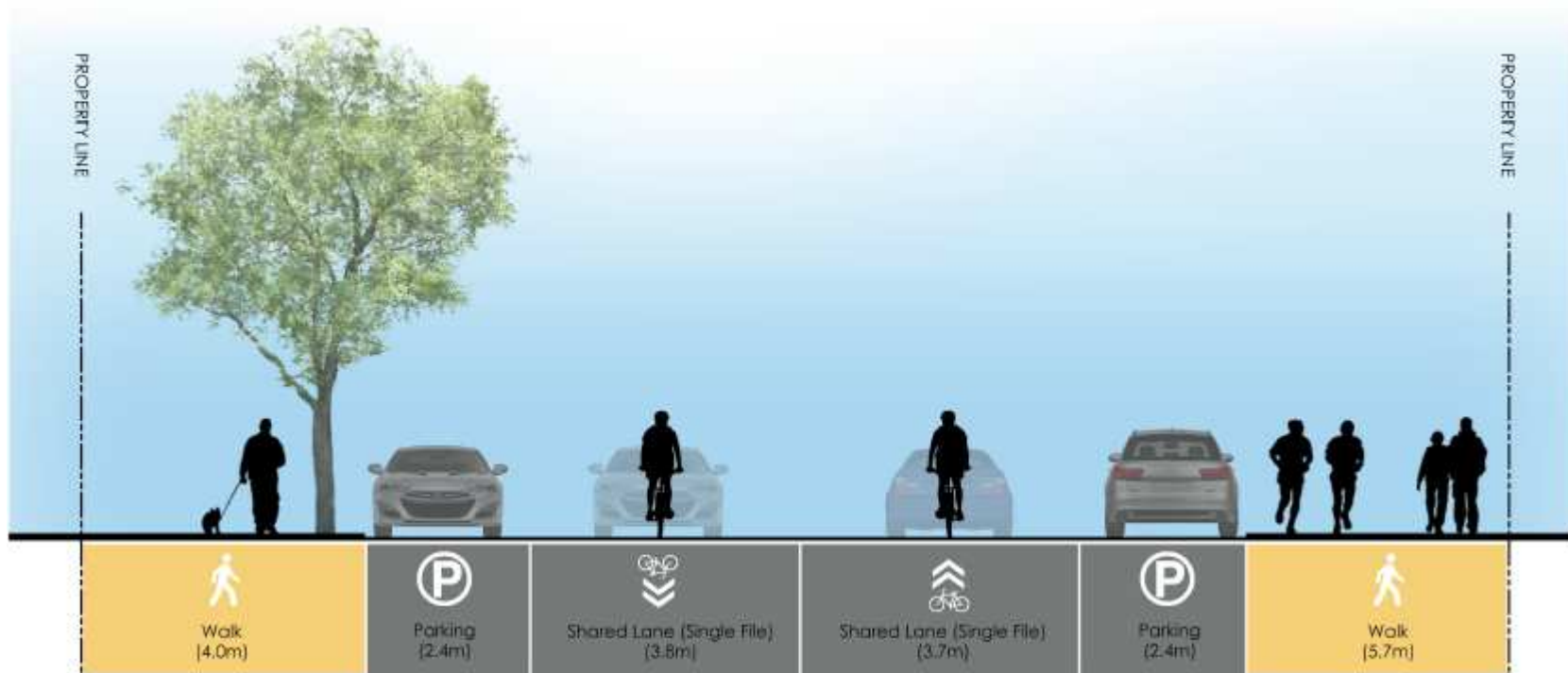


# 83 Avenue Options



83 Avenue – east of 104 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – east of 104 Street (Bike Boulevard)

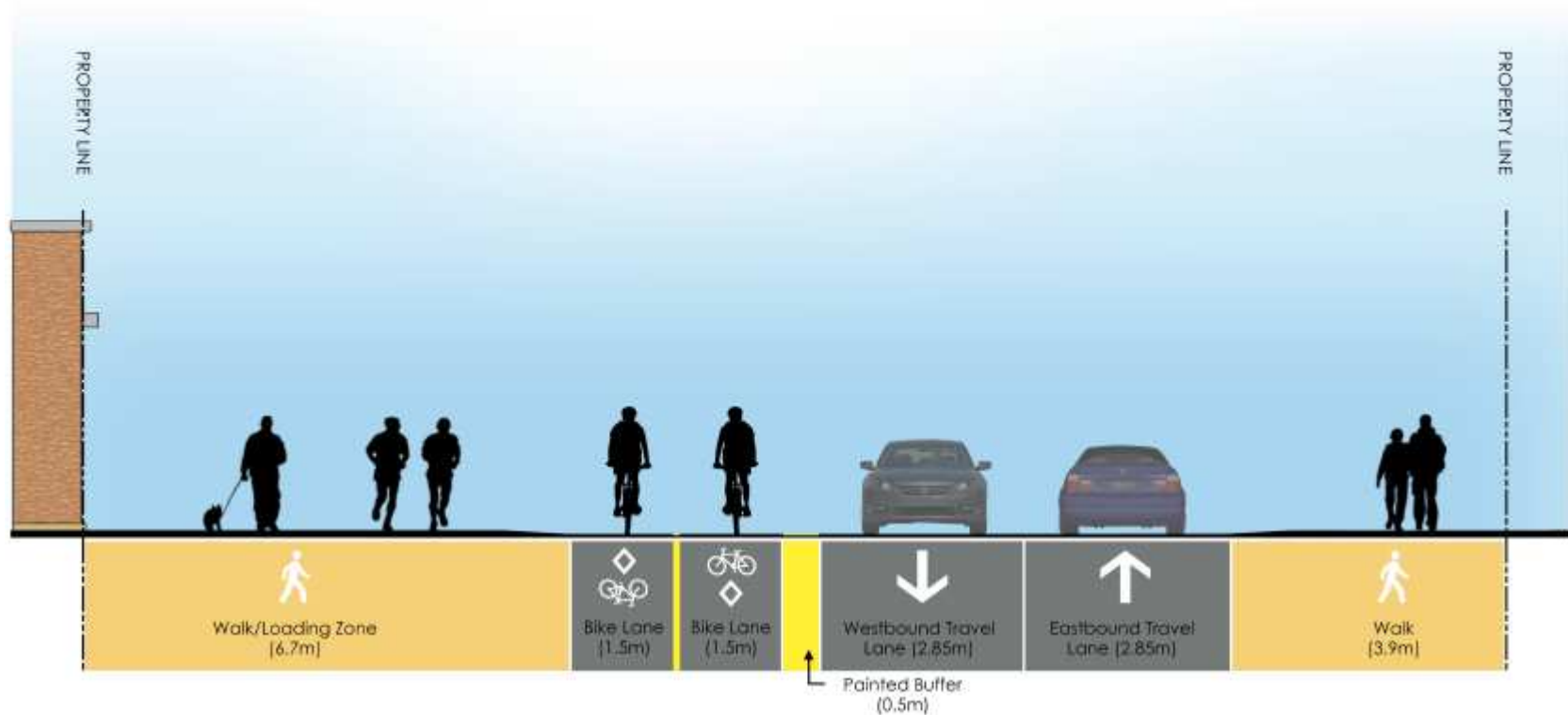


# 83 Avenue Options



83 Avenue – east of Gateway Boulevard (Existing)

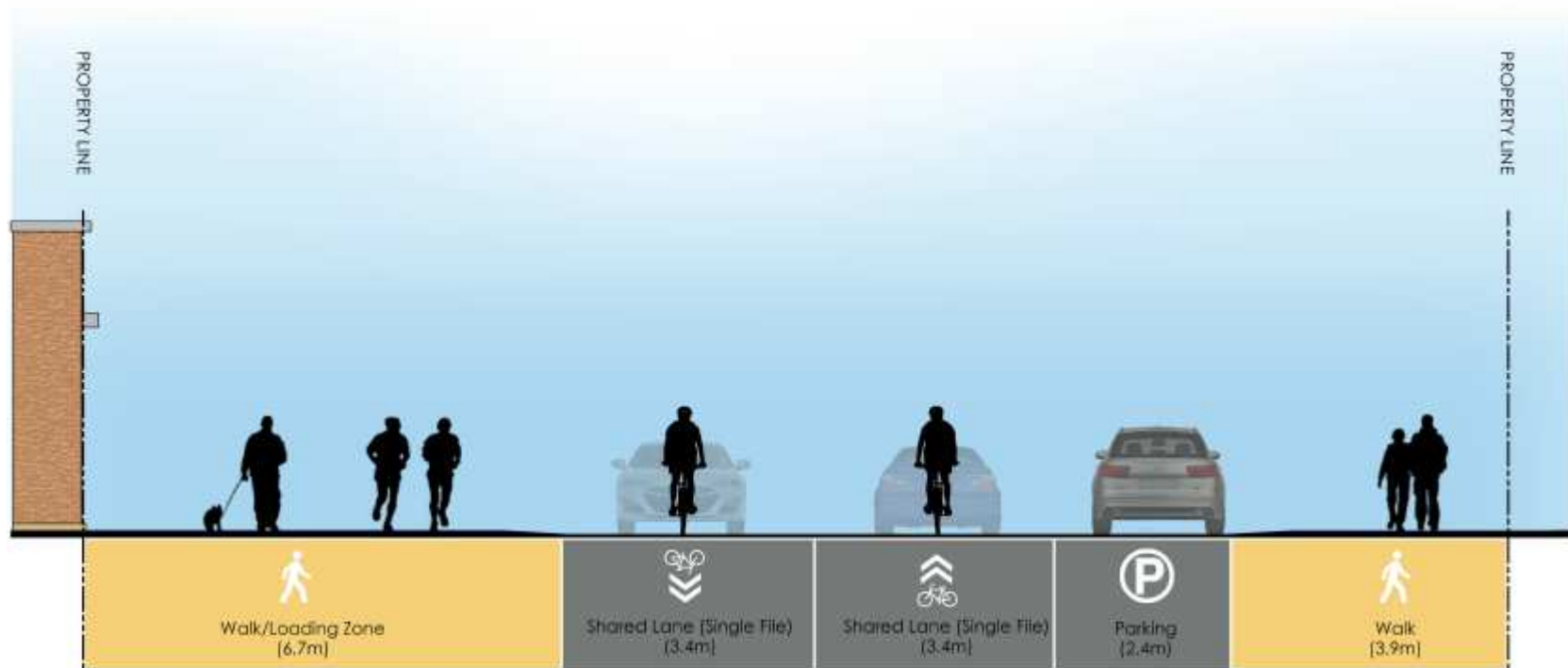
# 83 Avenue Options



83 Avenue – east of Gateway Boulevard (Cycle Track)



# 83 Avenue Options



83 Avenue – east of Gateway Boulevard (Bike Boulevard)

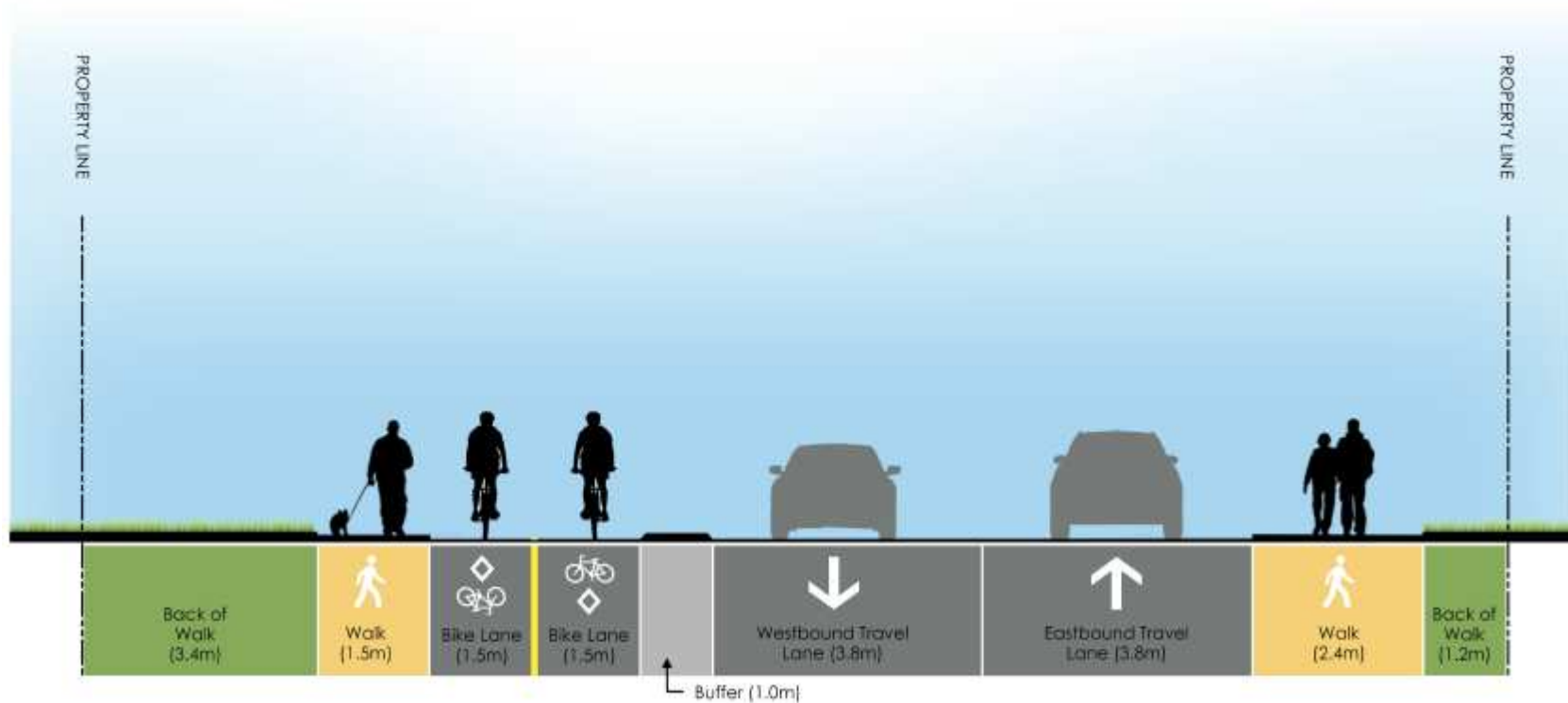
# 83 Avenue Options



83 Avenue – east of Gateway Boulevard (Existing)



# 83 Avenue Options



83 Avenue – east of Gateway Boulevard (Cycle Track)

# 83 Avenue Options



83 Avenue – east of Gateway Boulevard (Existing)

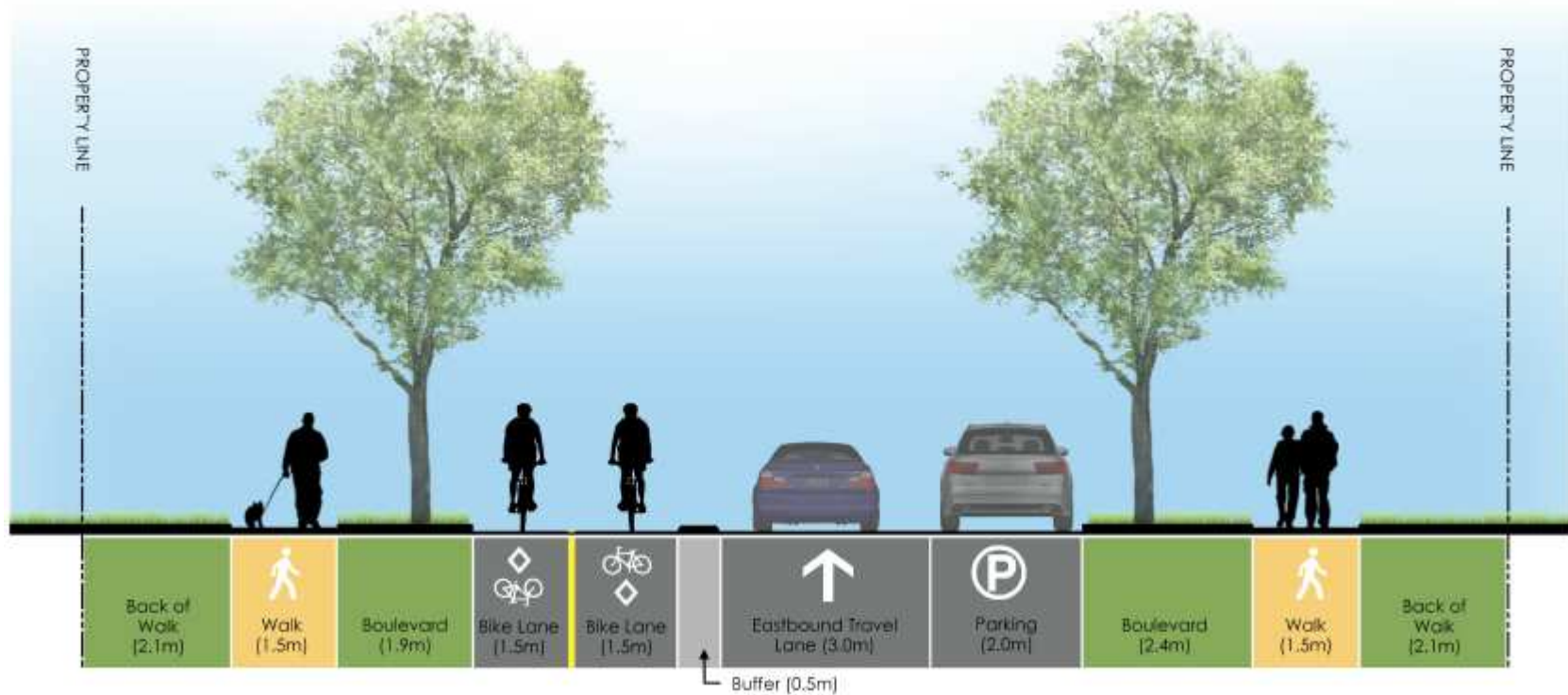


# 83 Avenue Options



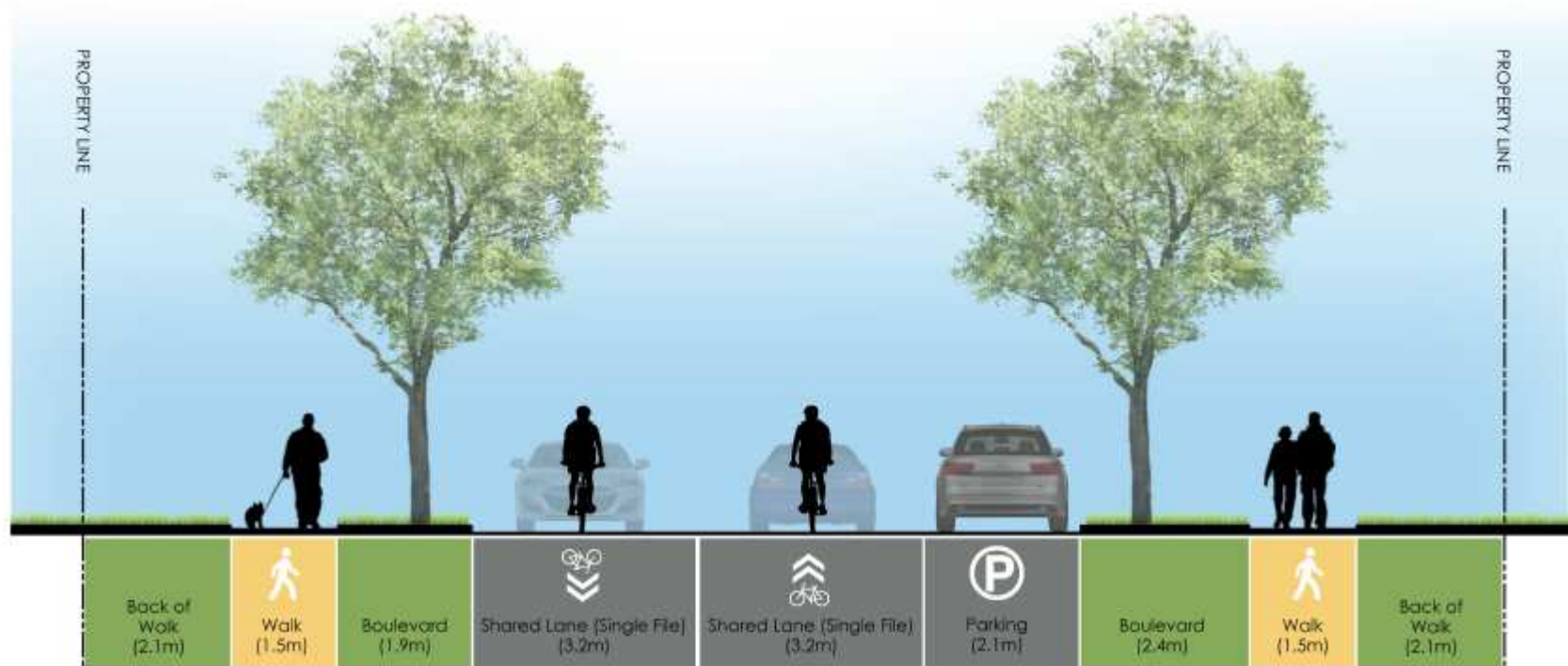
83 Avenue – east of 102 Street (Existing)

# 83 Avenue Options



83 Avenue – east of 102 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – east of 102 Street (Bike Boulevard)

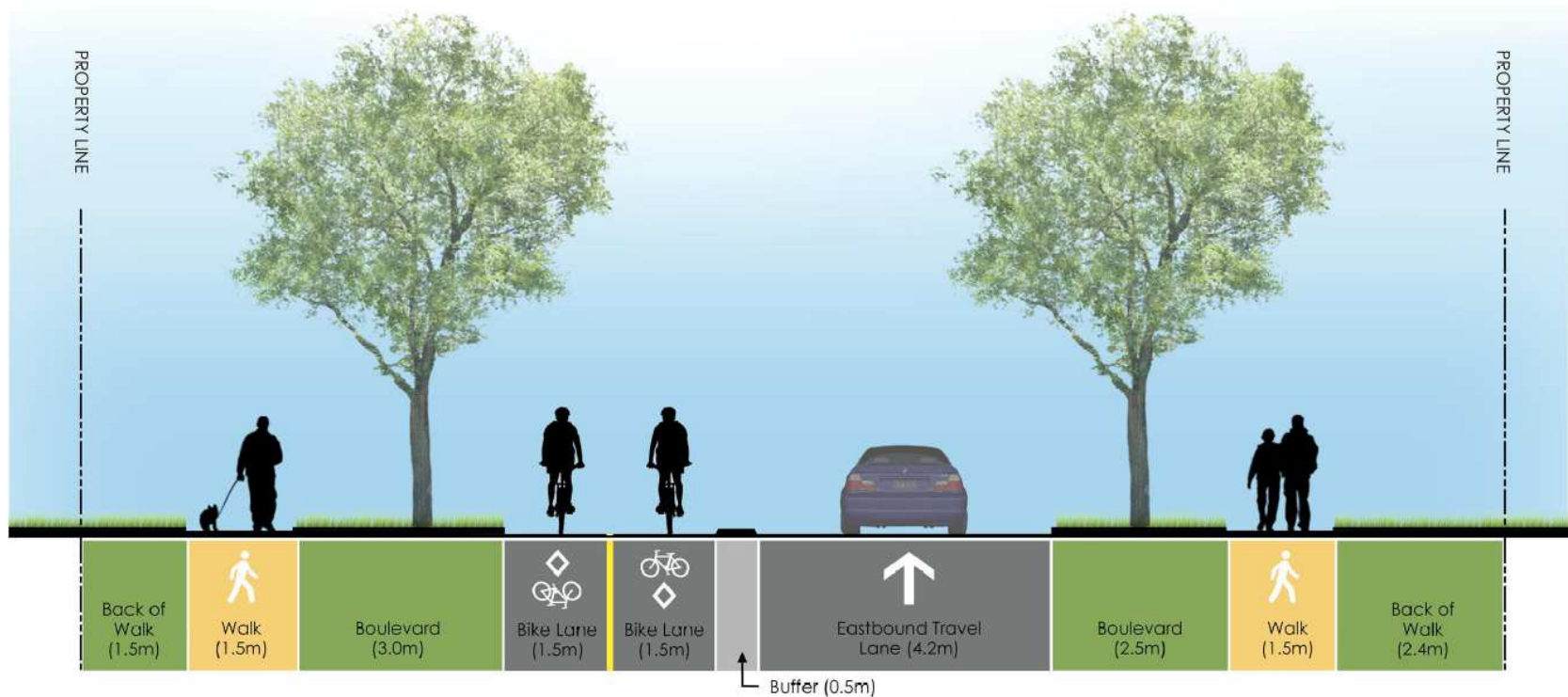


# 83 Avenue Options



83 Avenue – east of 99 Street (Existing)

# 83 Avenue Options



83 Avenue – east of 99 Street (Cycle Track)

# 83 Avenue Options



83 Avenue – east of 99 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