

Discussion of Draft Options for the 185th Corridor

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March 25, 2019



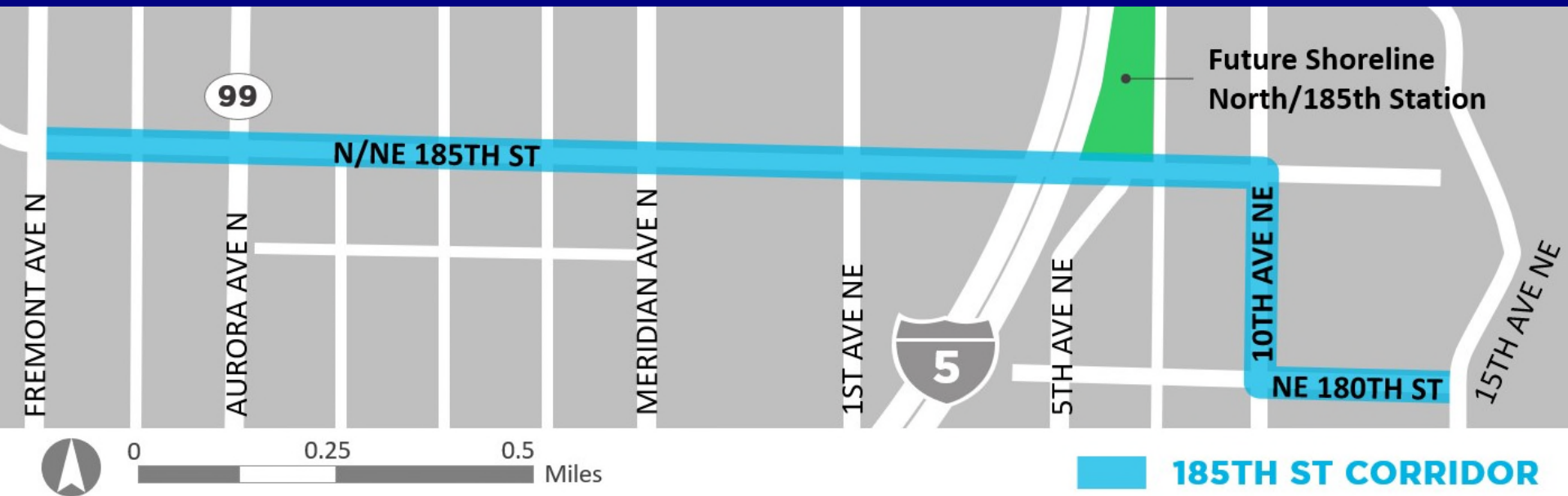
Presentation Agenda

- 185th Multimodal Corridor Strategy
 - Summary of fall public outreach
 - Preliminary roadway cross section options
 - Comparison of roadway options
 - Draft concepts for community gathering places
- Council Feedback



Overview

The goal is to create a vision that is future-focused and supports the needs of all users.



Process and Schedule



Building on Past Work



Cross Section of Potential NE 185th Street

Fall Outreach Summary

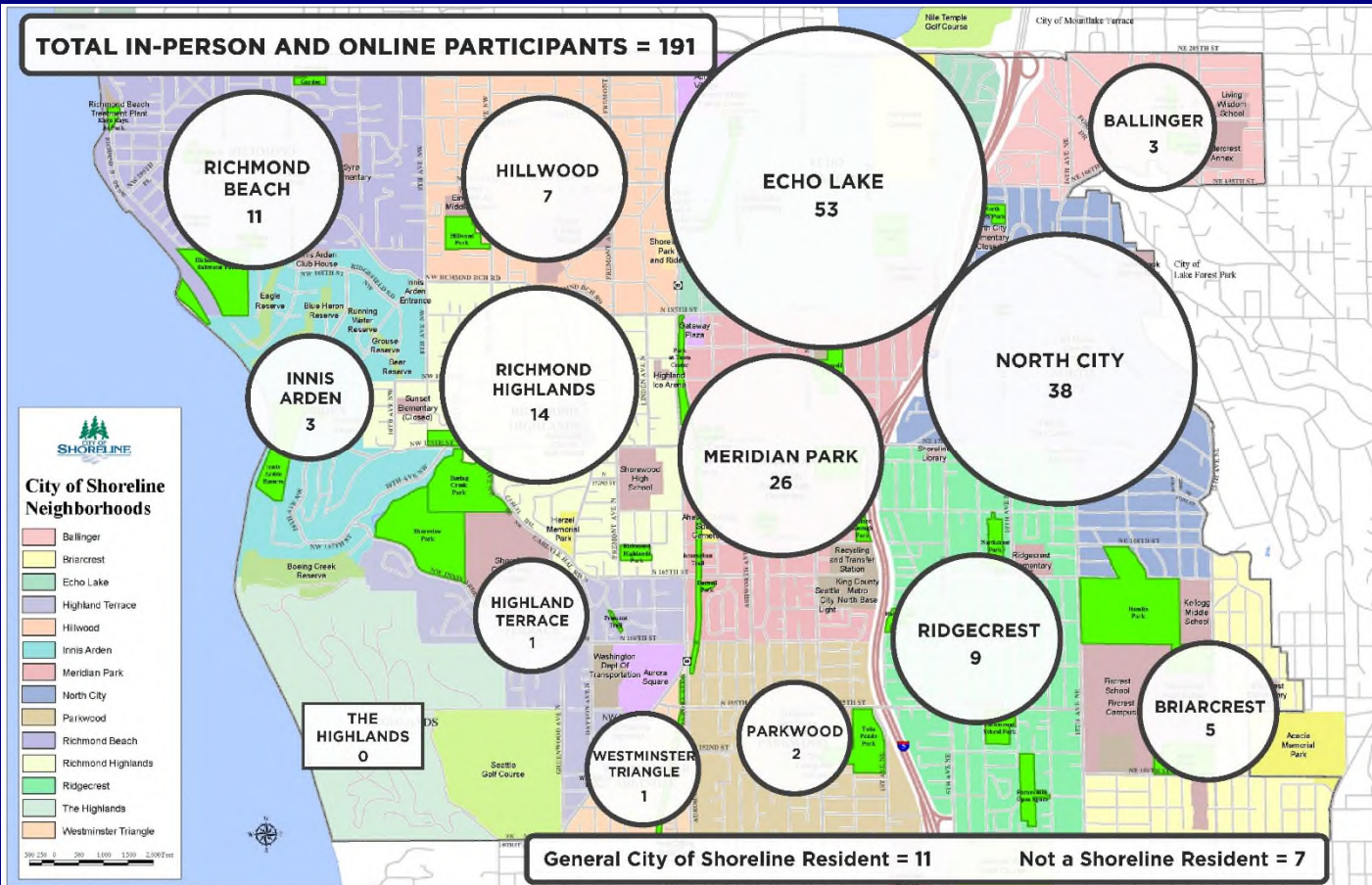


Outreach Activities:

- Walk & Bike Tours
- Community Drop-Ins
- Open House
- Stakeholder Meetings
- FAQ
- Webpage updates
- Online Survey



Fall Outreach Summary

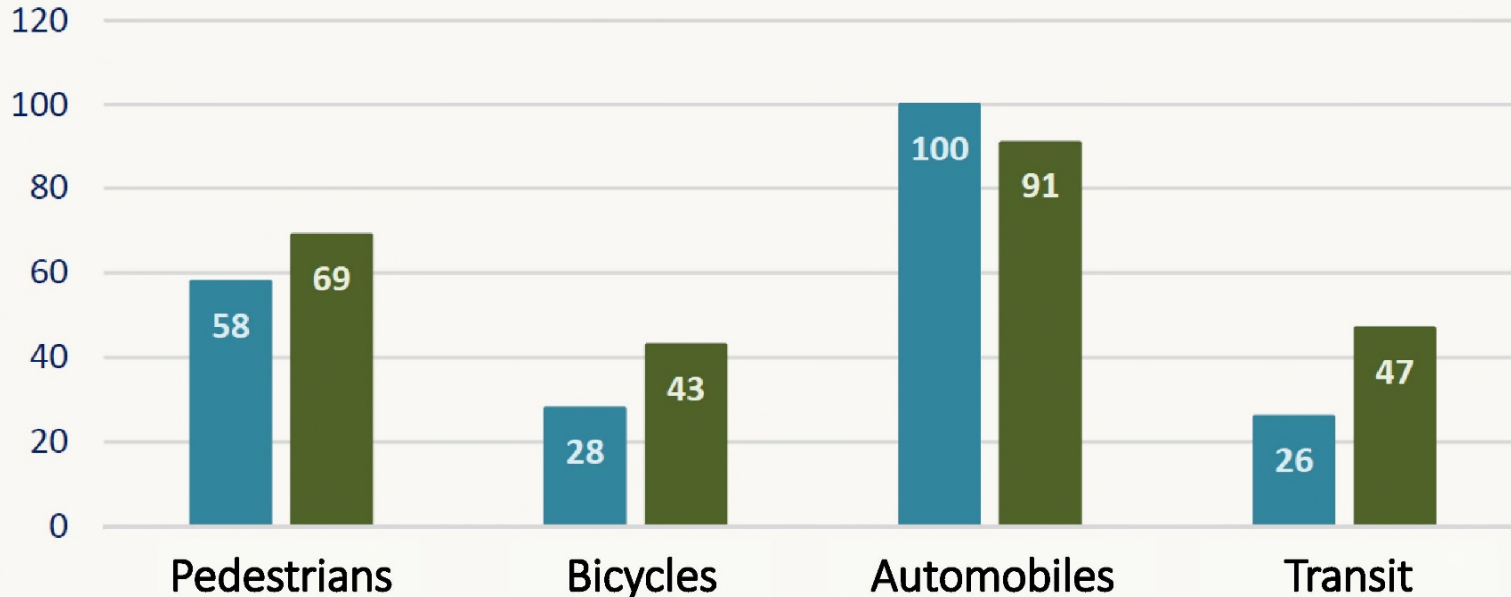


Fall Outreach Summary

How Do/Will You Use the Corridor?

(105 people answered this question)

■ PRESENT ■ FUTURE



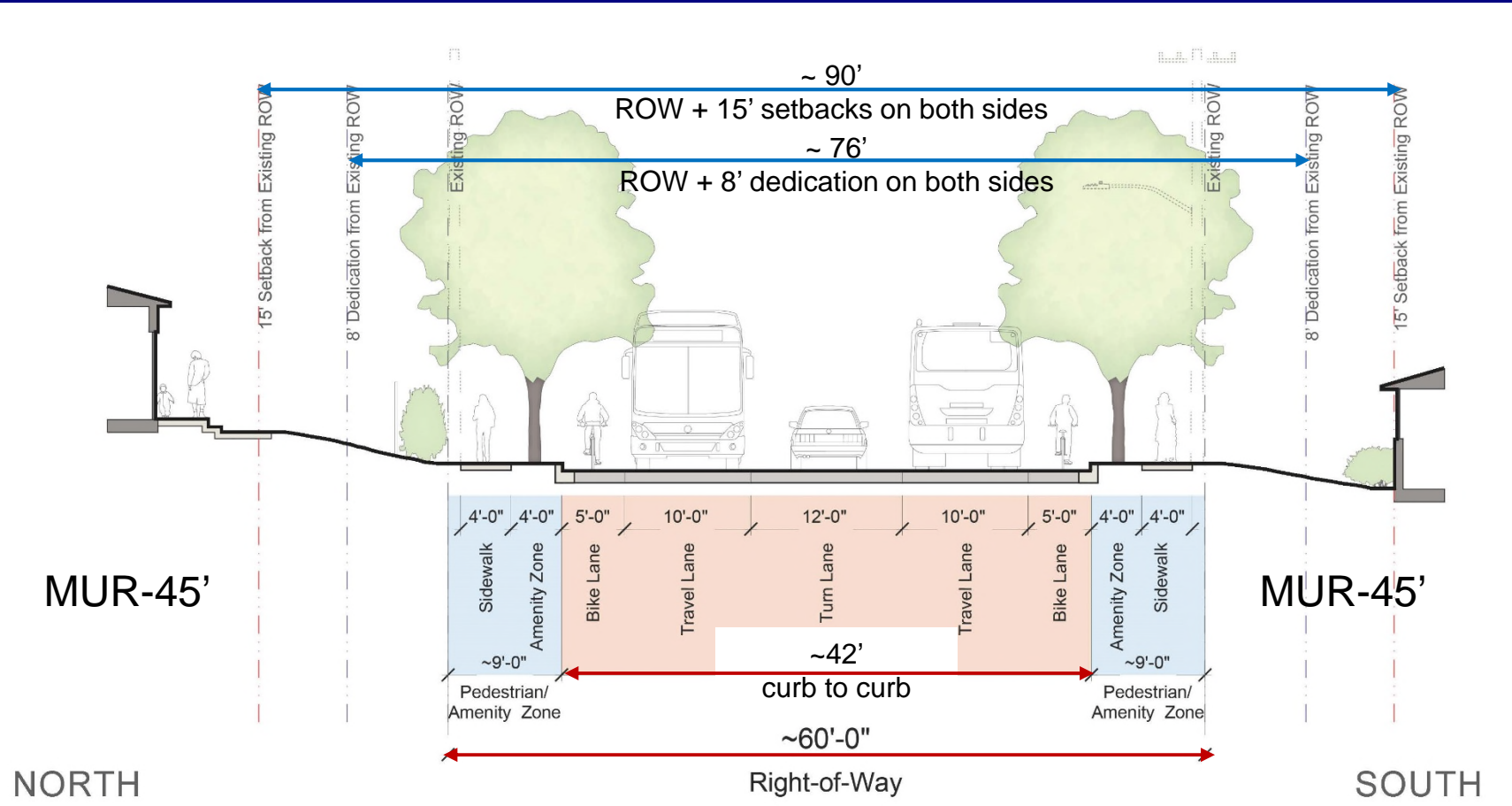
Draft Roadway Options

185TH STREET MULTIMODAL CORRIDOR SECTION KEY PLAN



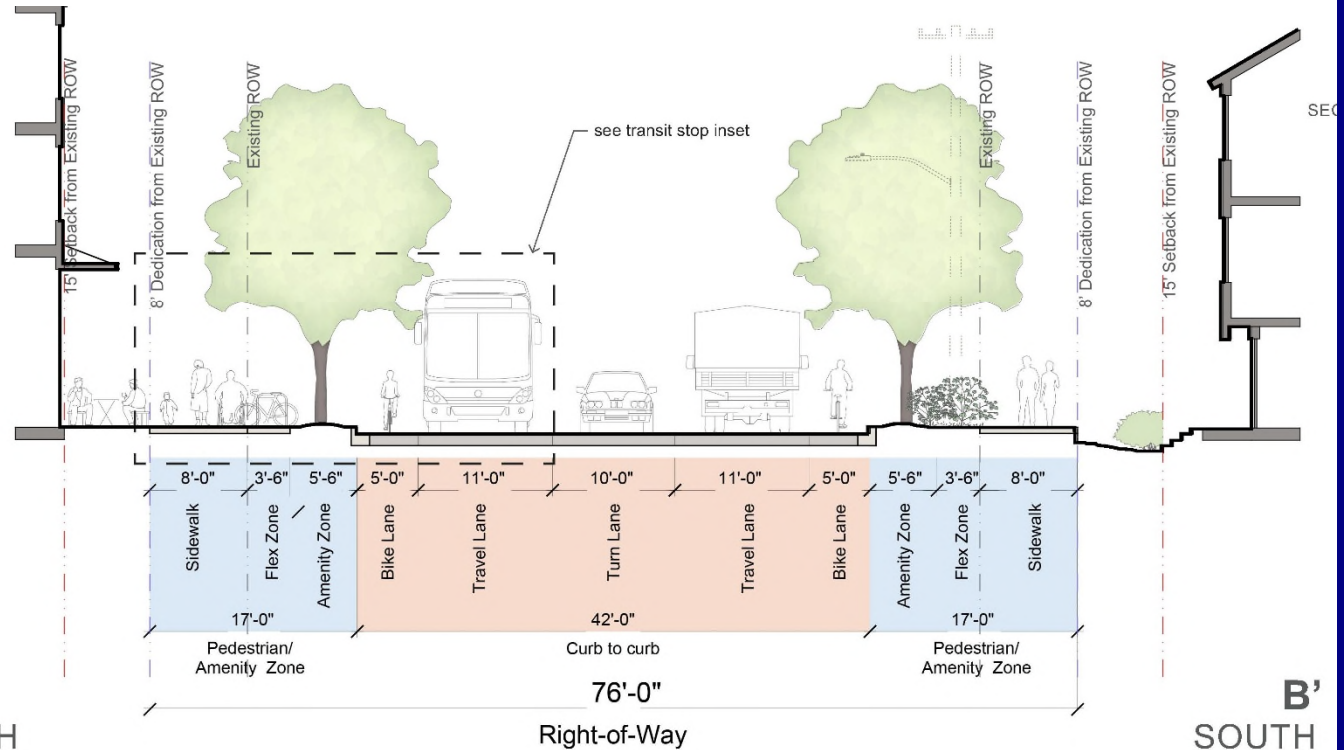
SECTION LOCATOR DIAGRAM

185th St. Existing Conditions



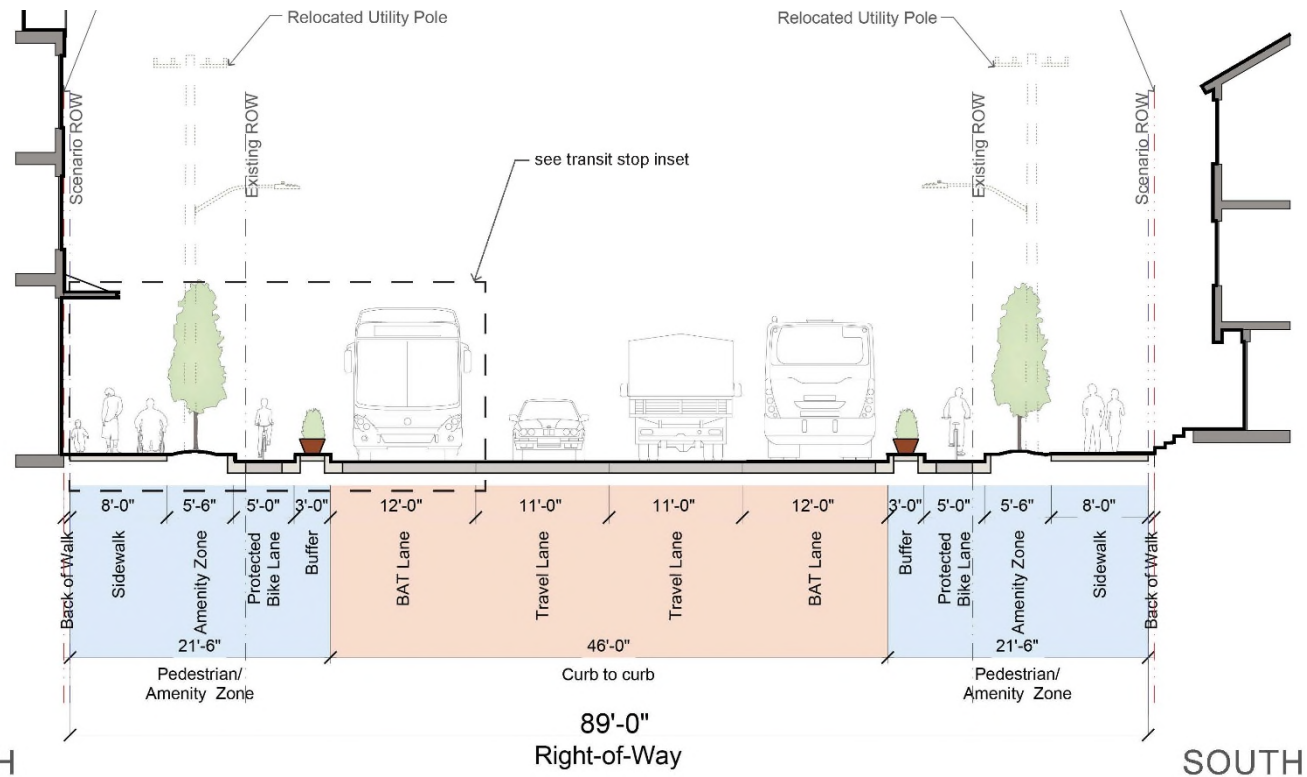
185th St – Segment B – Option 1

Three-lane section (two travel lanes and a center turn lane)
with bike lanes



185th St – Segment B – Option 2

Four-lane section (two travel lanes and two BAT lanes)
with protected bike lanes



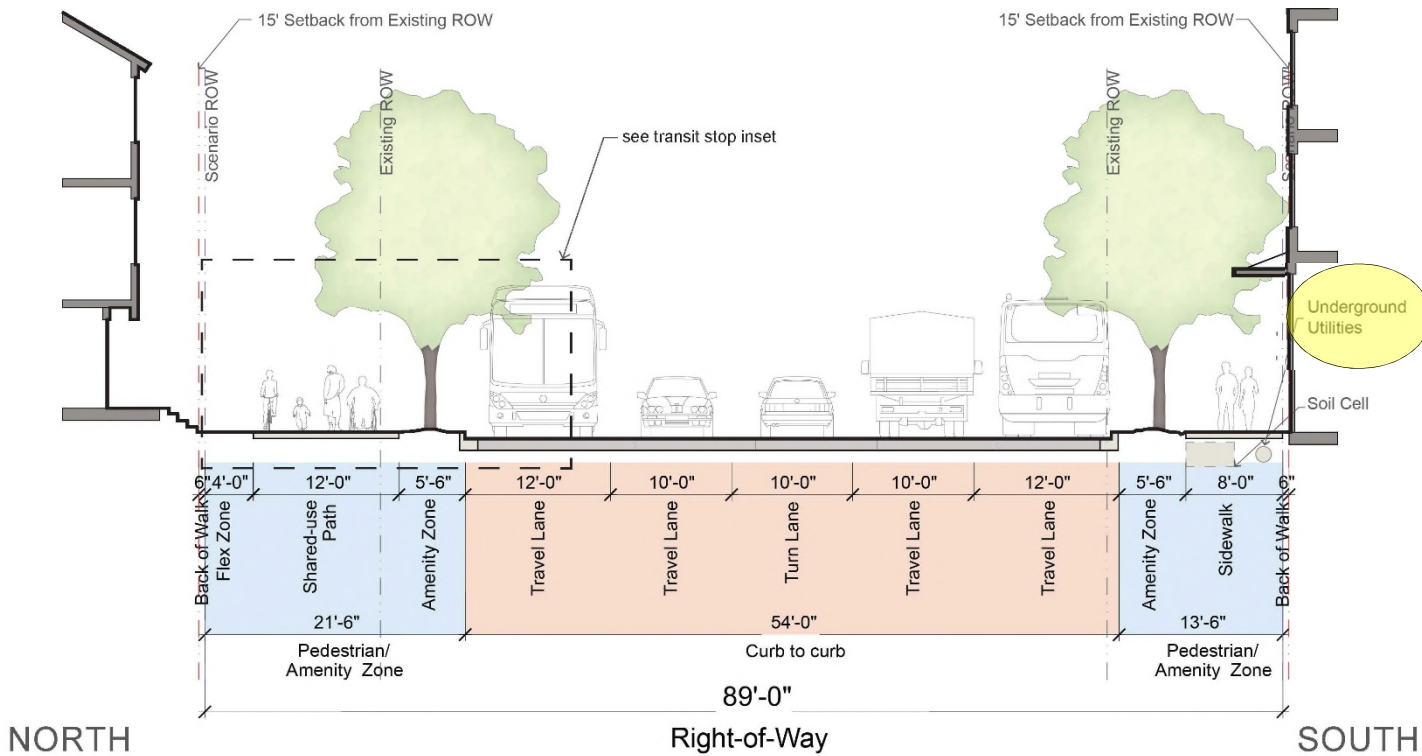
NORTH

Right-of-Way

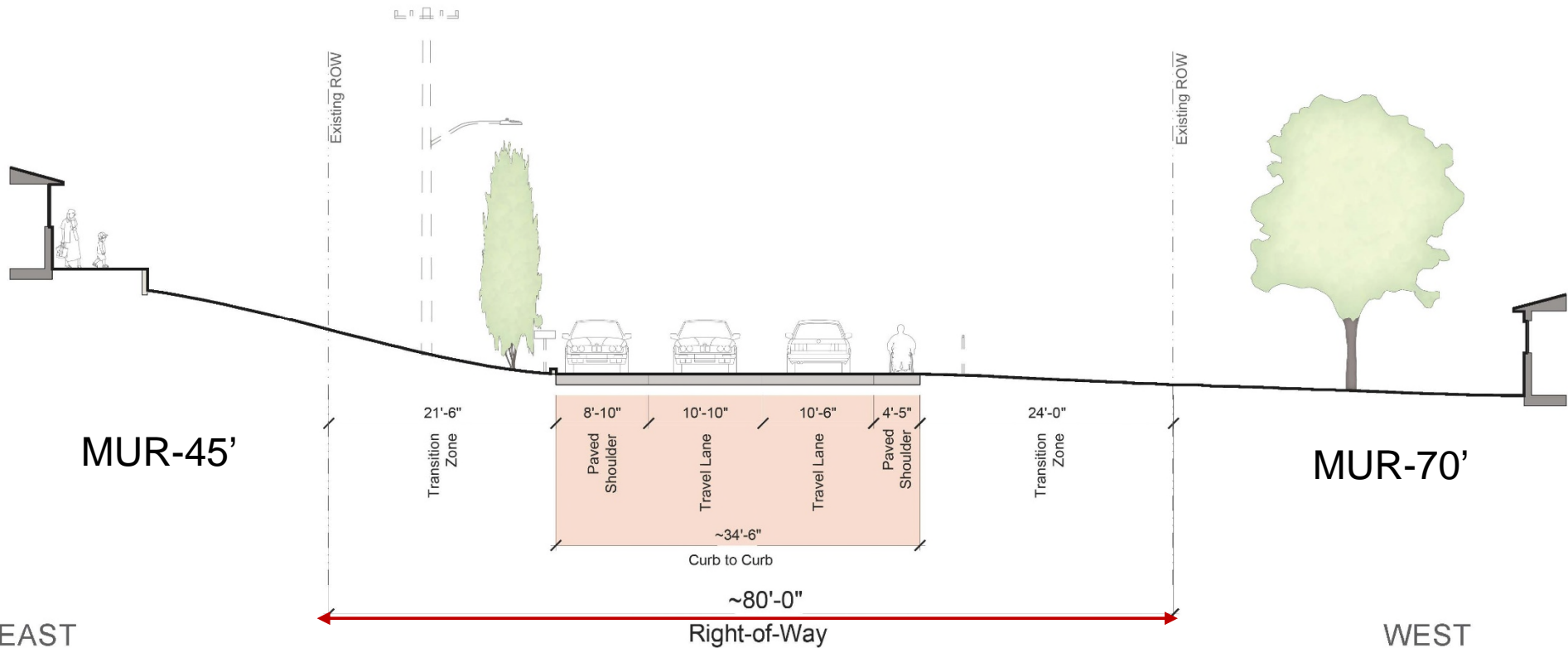
SOUTH

185th St – Segment B – Option 3

Five-lane section (four travel lanes and a center turn lane)
with a shared-use path

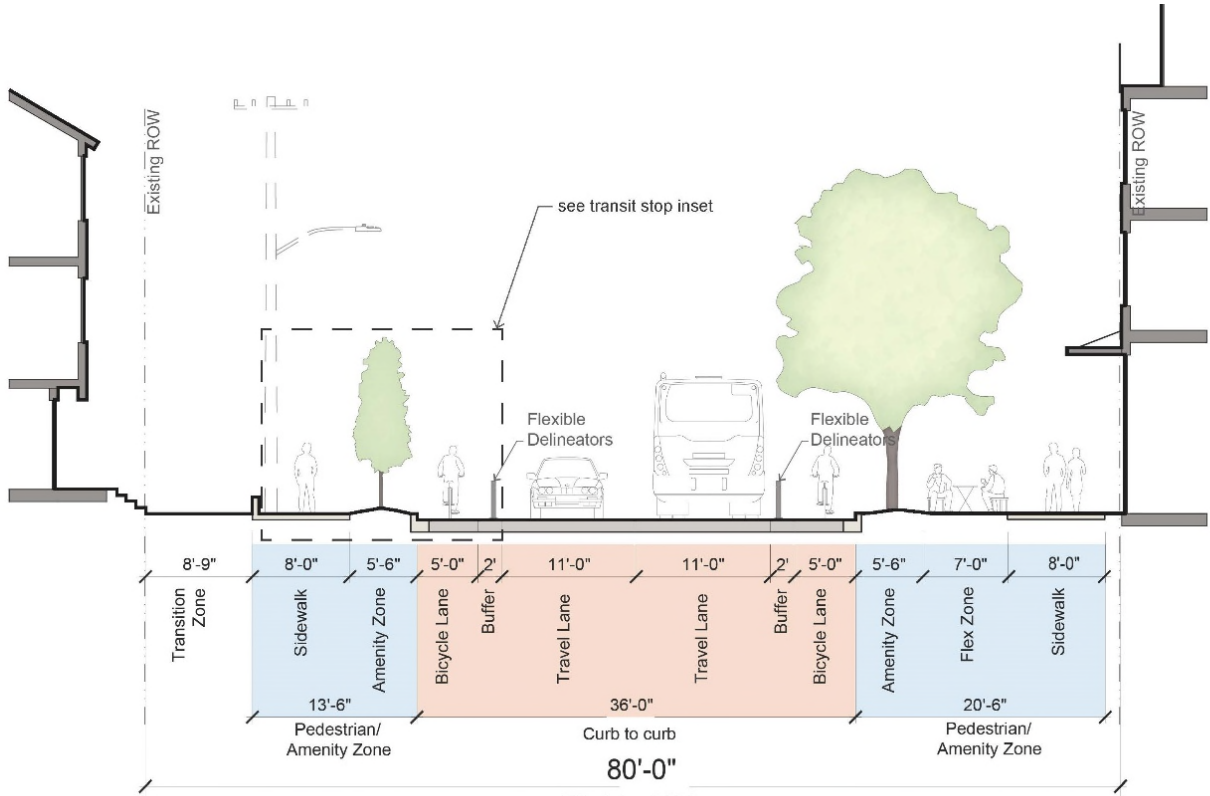


10th Ave NE – Existing Conditions



10th Ave NE – Segment D – Option 1

Two-lane section (two travel lanes) with buffered bike lanes



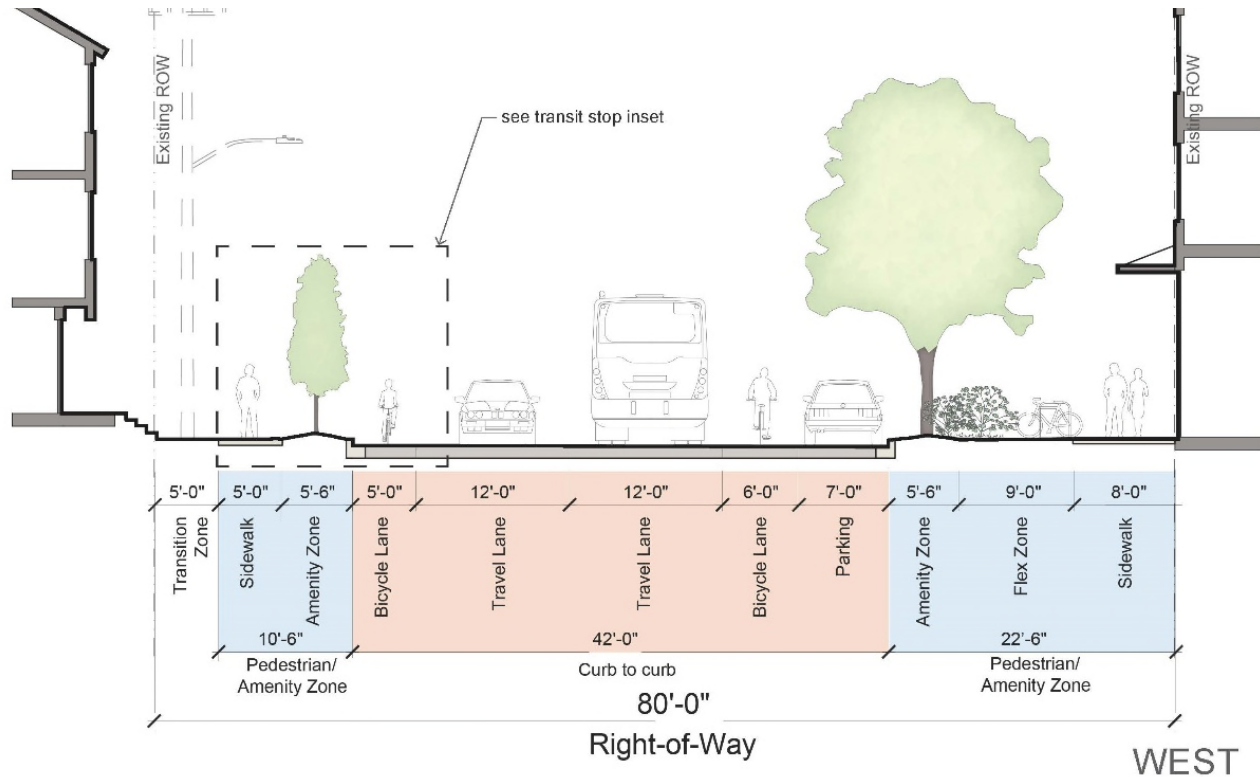
EAST

Right-of-Way

WEST

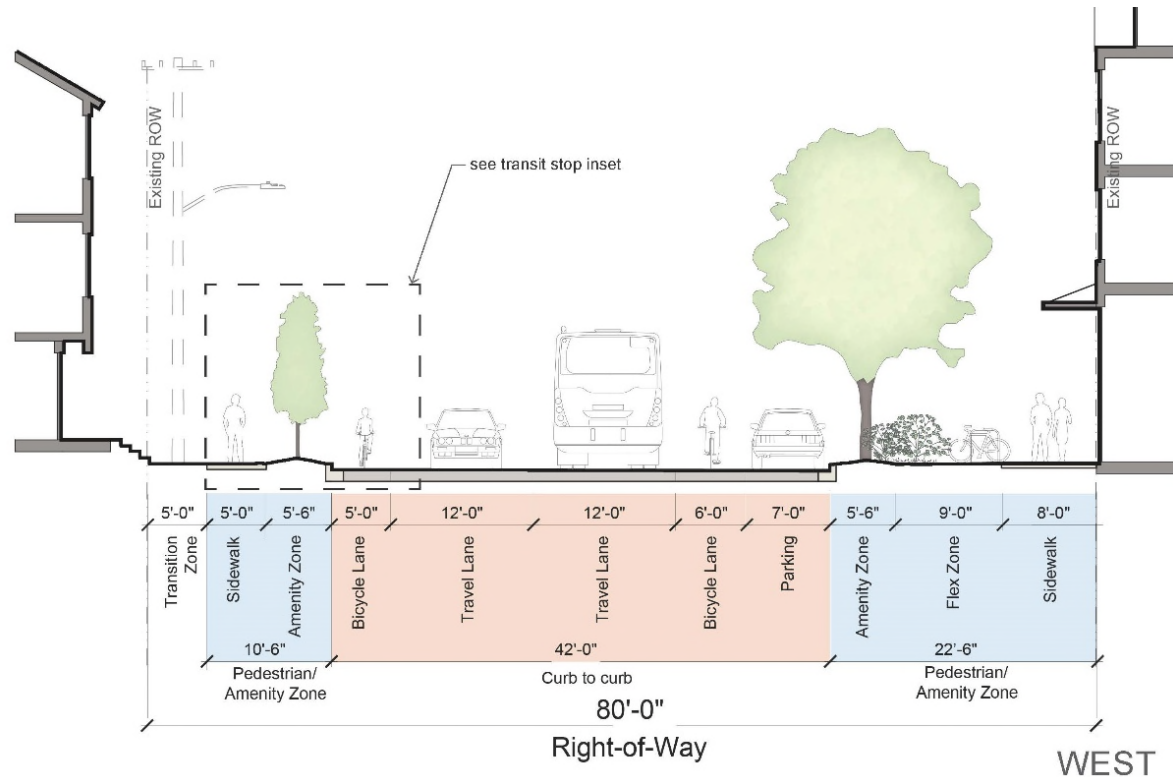
10th Ave NE – Segment D – Option 2

Two-lane section (two travel lanes) with bike lanes and on-street parking



10th Ave NE – Segment D – Option 3

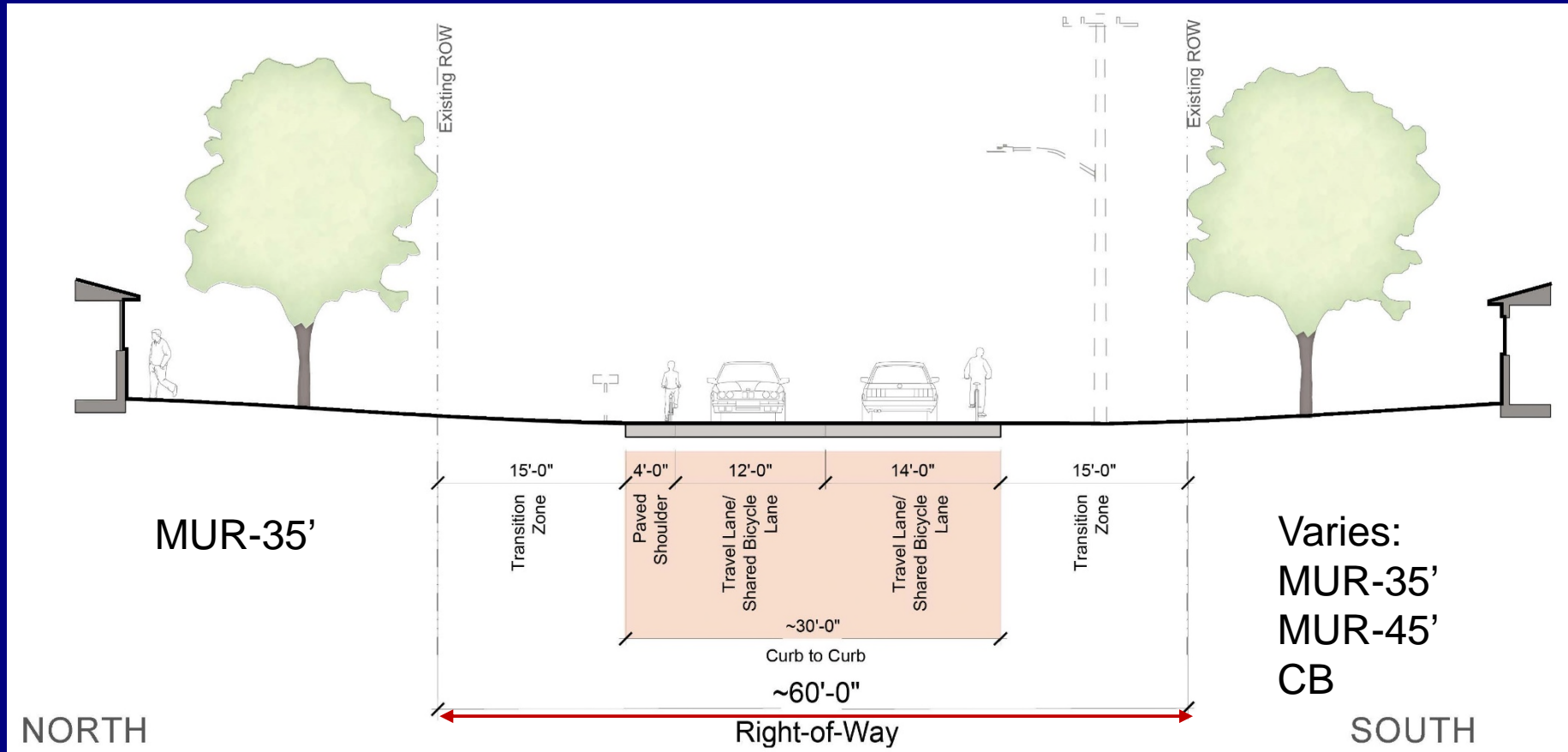
Three-lane section (two travel lanes and a center turn lane) with bike lanes



EAST

WEST

NE 180th St – Existing Conditions



NE 180th St – Segment E- Option 1

Two-lane section (two travel lanes) with bike lanes



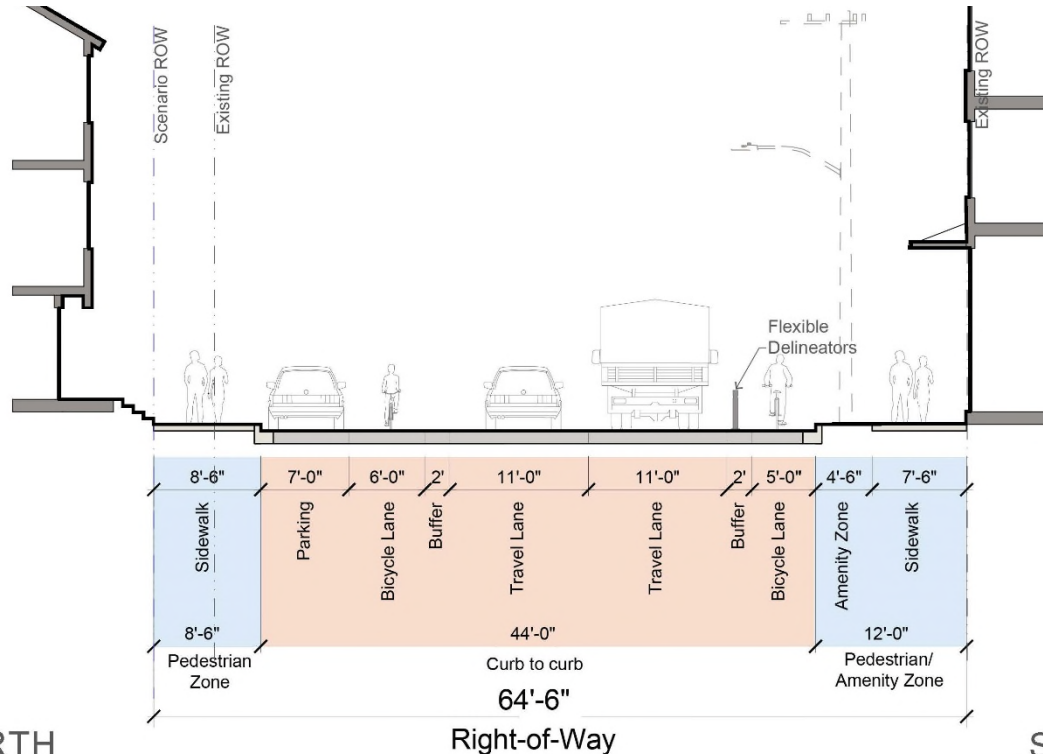
NORTH

SOUTH









NE 180th St – Segment E – Option 2

Two-lane section (two travel lanes) with buffered bike lanes and on-street parking



Evaluation Criteria

185th Street Corridor - Draft Evaluation Criteria

	Low	Med-Low	Medium	Med-High	High
Pedestrian 	Pedestrian Safety and Mobility				
Bicycle 	Bicyclist Safety and Mobility				
Traffic 	Traffic Safety, Flow, and Parking				
Transit 	Transit Speed & Reliability				
Livability 	Environment, Placemaking, and Mode Shift				
Cost 	ROW Impact, Ease of Implementation, and Cost				

Comparison of Options

N/NE 185th Street – Segment B

N/NE 185th Street - Segment B		Existing	Option 1	Option 2	Option 3
		3 Lanes	3 Lanes w/ Bike Lanes	4 Lanes w/ BAT & Protected Bike Lanes	5 Lanes w/ Shared-Use Path
Pedestrian	Pedestrian Safety	Orange	Green	Yellow	Yellow
	Pedestrian Mobility	Orange	Green	Light Green	Yellow
Bicycle	Bicyclist Safety	Orange	Yellow	Green	Yellow
	Bicyclist Mobility	Orange	Yellow	Green	Yellow
Traffic	Driver Safety	Yellow	Light Green	Yellow	Green
	Traffic Flow	Red	Orange	Orange	Green
	Parking	Red	Red	Yellow	Yellow
Transit	Speed & Reliability	Red	Orange	Green	Yellow
Livability	Environment	Yellow	Light Green	Yellow	Light Green
	Placemaking Opportunity	Red	Green	Yellow	Red
	Mode Shift	Red	Yellow	Green	Orange
Cost	ROW Impact	N/A	Green	Red	Red
	Ease of Transition	N/A	Light Green	Yellow	Red
	Capital Cost	N/A	Light Green	Red	Orange

Comparison of Options

10th Ave NE – Segment D

10th Avenue NE - Segment D		Existing	Option 1	Option 2	Option 3
		2 Lanes	2 Lanes w/ Protected Bike Lanes	2 Lanes w/ Parking & Bike Lanes	3 Lanes w/ Bike Lanes
Pedestrian	Pedestrian Safety	Red	Green	Green	Yellow
	Pedestrian Mobility	Red	Green	Green	Yellow
Bicycle	Bicyclist Safety	Red	Green	Yellow	Green
	Bicyclist Mobility	Red	Green	Yellow	Yellow
Traffic	Driver Safety	Orange	Yellow	Green	Green
	Traffic Flow	Orange	Green	Green	Green
	Parking	Orange	Red	Yellow	Red
Transit	Speed & Reliability	Yellow	Green	Yellow	Green
Livability	Environment	Red	Green	Yellow	Orange
	Placemaking Opportunity	Red	Green	Green	Green
	Mode Shift	Red	Green	Yellow	Green
Cost	ROW Impact	N/A	Green	Green	Green
	Ease of Transition	N/A	Green	Yellow	Green
	Capital Cost	N/A	Green	Yellow	Orange

Comparison of Options

NE 180th Street – Segment E

NE 180th Street - Segment E

		Existing	Option 1	Option 2
		2 Lanes	2 Lanes w/ Bike Lanes	2 Lanes w/ Parking & Protected Bike Lanes
Pedestrian	Pedestrian Safety	Red	Green	Yellow
	Pedestrian Mobility	Red	Green	Yellow
Bicycle	Bicyclist Safety	Red	Green	Green
	Bicyclist Mobility	Red	Green	Green
Traffic	Driver Safety	Green	Green	Green
	Traffic Flow	Green	Green	Green
	Parking	Orange	Red	Green
Transit	Speed & Reliability	Orange	Green	Yellow
Livability	Environment	Orange	Green	Red
	Placemaking Opportunity	Red	Green	Orange
	Mode Shift	Red	Green	Yellow
Cost	ROW Impact	N/A	Green	Red
	Ease of Transition	N/A	Green	Green
	Capital Cost	N/A	Green	Green

Traffic Concurrency

Level of Service	Roadway Segments V/C Ratio	Signalized Intersections Average Delay (sec/veh)	General Description
A	≤ 0.60	≤ 10	Free Flow
B	> 0.60 - 0.70	> 10 - 20	Stable Flow (slight delay)
C	> 0.70 - 0.80	> 20 - 35	Stable Flow (acceptable delay)
D	> 0.80 - 0.90	> 35 - 55	Approaching Unstable Flow (speeds somewhat reduced, more vehicles stop and may wait through more than one signal cycle before proceeding)
E	> 0.90 - 1.0	> 55 - 80	Unstable Flow (speeds reduced and highly variable, queues occur, many vehicles have to wait through more than one signal cycle before proceeding)
F	> 1.0	> 80	Forced Flow (jammed conditions, long queues occur that do not clear, most vehicles wait through more than one signal cycle before proceeding)

Traffic Concurrency

General-Purpose Traffic - Volume to Capacity Ratio Screen

Segment	Existing Peak Hour Volume	Future Peak Hour Volume	Option 1 ² : 3 Lanes		Option 2: 4 Lanes		Option 3: 5 Lanes	
	(vehicles/hour) ¹	(vehicles/hour) ¹	V/C	LOS	V/C	LOS	V/C	LOS
Segment A ³	700	1065	0.61	B	NA	NA	NA	NA
Segment B	595	1840	1.92	F	1.92 ⁴	F	1.05	F
Segment C ⁵	590	1,685	1.76	F	NA	NA	NA	NA
Segment D	325	785	1.12	F	1.12	F	0.93	E
Segment E ⁶	195	430	0.61	B	0.61	B	NA	NA

¹ Highest direction and peak hour volume reported for the associated segment.

² Option 1 V/C results are the same as the Future No Build condition for 2035.

³ For Segment A, There are no roadway changes proposed for this segment because the current lane configuration meets the City's LOS for the Future No Build condition for 2035. Therefore, "NA" indicates there is no Option 2 or 3.

⁴ For Segment B, BAT Lane V/C would be well under .90 standard - V/C reported applies only to general purpose traffic.

⁵ Sound Transit Lynnwood Link Light Rail Project will be constructing a significant portion of this segment (represented as Option 1). The 185th Multimodal Corridor Strategy effort has assumed these improvements will remain in place. Therefore, "NA" indicates there is no Option 2 or 3.

⁶ For Segment E, Option 1 and 2 both meet the City's LOS. Therefore, "NA" indicates there is no Option 3.

Traffic Concurrency

- If the 185th MCS effort finds Option 1 or Option 2 to be the preferred concept, follow up action would be taken to set a 185th Street Corridor-specific LOS in the City's Comprehensive Plan.
- If Option 3 is selected, follow up action to amend the Comprehensive Plan would still be needed to allow a V/C of 1.10.

Community Gathering Places



Community Gathering Places – Site 1

City-owned parcel
at Aurora Ave N &
N 185th St



New mural



Community Gathering Places – Site 2

South side of N
185th St. between
Ashworth Ave N
and Stone Ave N



DESIGN IDEAS:

EDUCATIONAL / PLACEMAKING ELEMENTS



NATURE PLAY / FITNESS ZONE



SEATING AND INTERPRETATION



BOARDWALK PERIMETER PATH



Community Gathering Places – Site 3

City ROW at
NE 185th St &
5th Ave NE



Community Gathering Places – Site 4

Rotary Park



Next Steps

- Open House 2 – April 2
- Online survey – April 5 to May 28
- Stakeholder Meetings – April and May
- Council Meeting – July 15
 - Select Preferred Option
- Council Meeting – October 21
 - Adopt Final Corridor Strategy

Council Discussion

- Council feedback on tonight's draft materials

