



Lake Forest Park

SAFE HIGHWAYS

Accessible Efficient Complete

Presented to:

Committee of the Whole
(COW)

September 25, 2017

Agenda

- Project Overview and Progress Summary
- SR 104 Corridor Today
- Draft Concepts
- Next Steps



What is the Project?

Comprehensive Corridor Study

Complete connections for all modes

- ✓ Inviting connections for walking & biking
- ✓ Completion of the BAT lanes and consideration of P&R
- ✓ Access control & intersection treatments to maintain mobility

Supported by the community

- ✓ Distinct corridor visions
- ✓ Integration with Safe Streets project
- ✓ Public support for recommended improvements recognizing years of construction

Realistic & implementable

- ✓ Sound operations analysis and modeling
- ✓ Right of way considerations known
- ✓ Project phases considered
- ✓ Recommendations have to work

Stakeholder Interviews

- Completed interviews with key findings documented from
 - Members of the TAC *plus*
 - Business owners
 - Residents
 - Interest groups (Cascade Bicycle Club, Friends of Third Place Commons)

SR 104 Guiding Principles



- Address **safety** for all modes
- Maintain the corridor's **unique identity and natural landscape**
- Take a **phased approach** that provides benefits over time
- Consider draw on **city's financial resources** in selecting design solutions; as well as positioning improvements well for regional, state and federal investment
- **Protect natural environment** and encourage low impact design approaches
- Plan corridor to **discourage neighborhood cut-through** traffic
- **Minimize impacts** on neighboring properties (e.g. right-of-way, access, noise, visibility)

Website & Public Face

www.lfpsafehighways.com



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Updated with:

- Project Guiding Principles
- Stakeholder Outreach Findings Memo
- Planning Context Report



Making SR 104 and SR 522 Work for Lake Forest Park



The Safe Highways Project

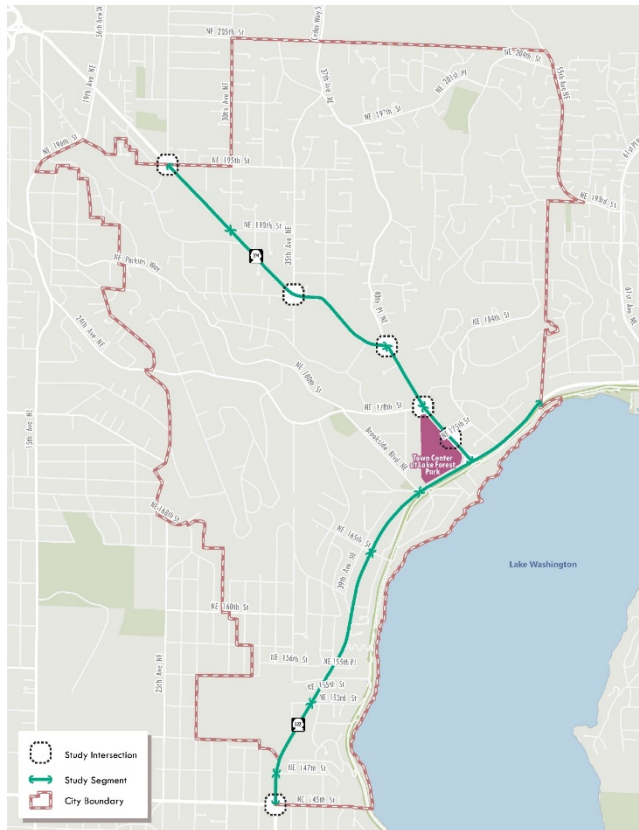
The City of Lake Forest Park is looking at the two state highways (SR 522 and Ballinger Way NE (SR 104)—and exploring ways to make them safer, more accessible, and more walkable and bikeable.

Through this process, we hope to accomplish three goals:

1. Examine scenarios that improve access and connectivity for all types of travel, including pedestrian, bicycle, automobile

Planning Context Report

Documents existing conditions, opportunities, and challenges for each segment



Context & Land Use



Ped/Bike Amenities



Transit



Vehicle Operations



Safety



Utilities/Stormwater/ROW

SR 104 Today

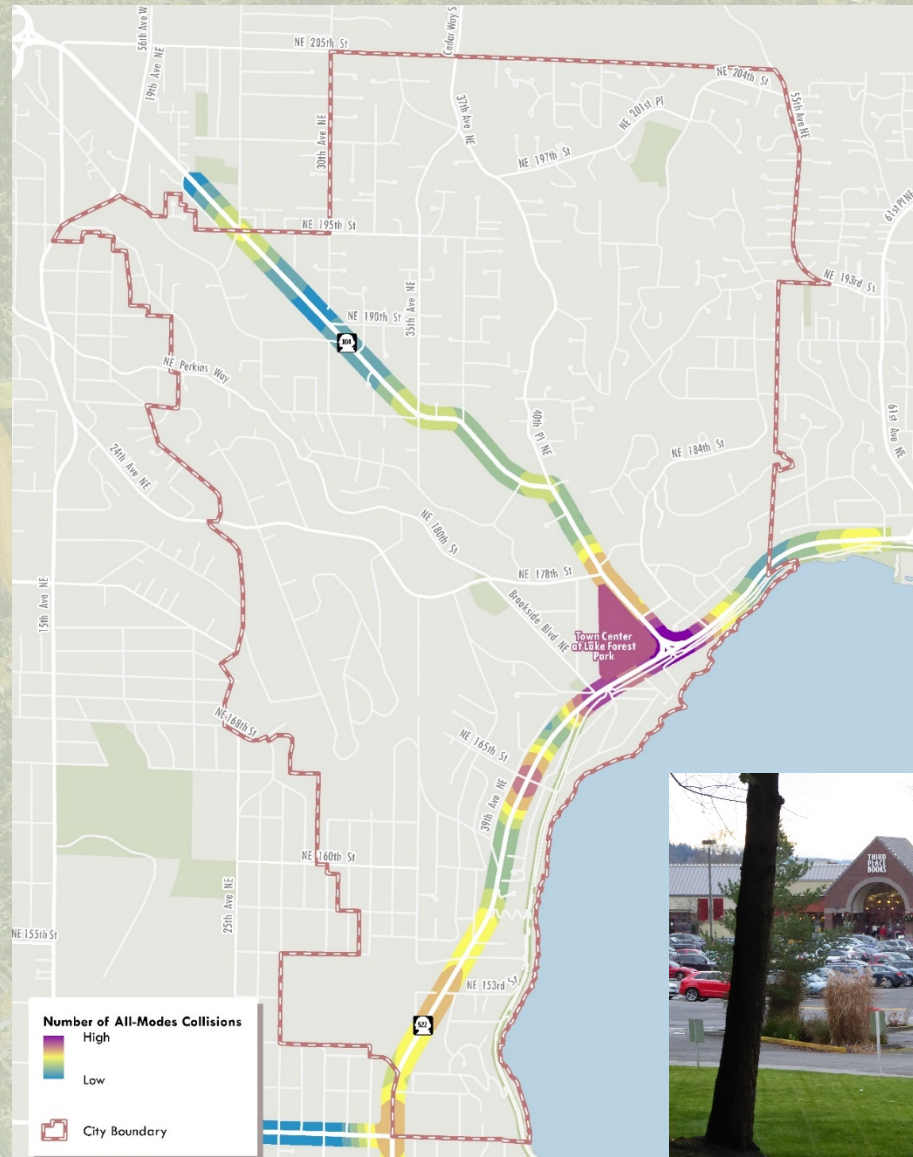
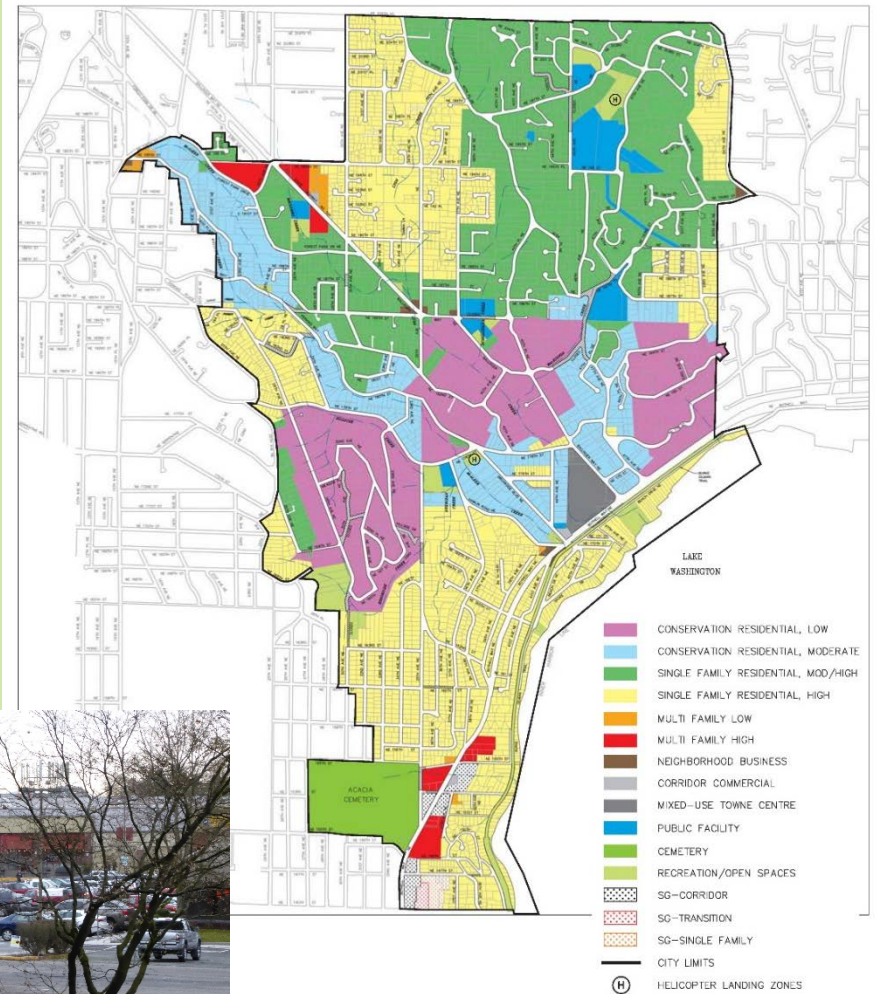


Figure I.2 Comprehensive Plan Land Use Map



SR 104 Today



Lake Park



NE 145th St

SR 104 Today



Lake Park



NE 145th St



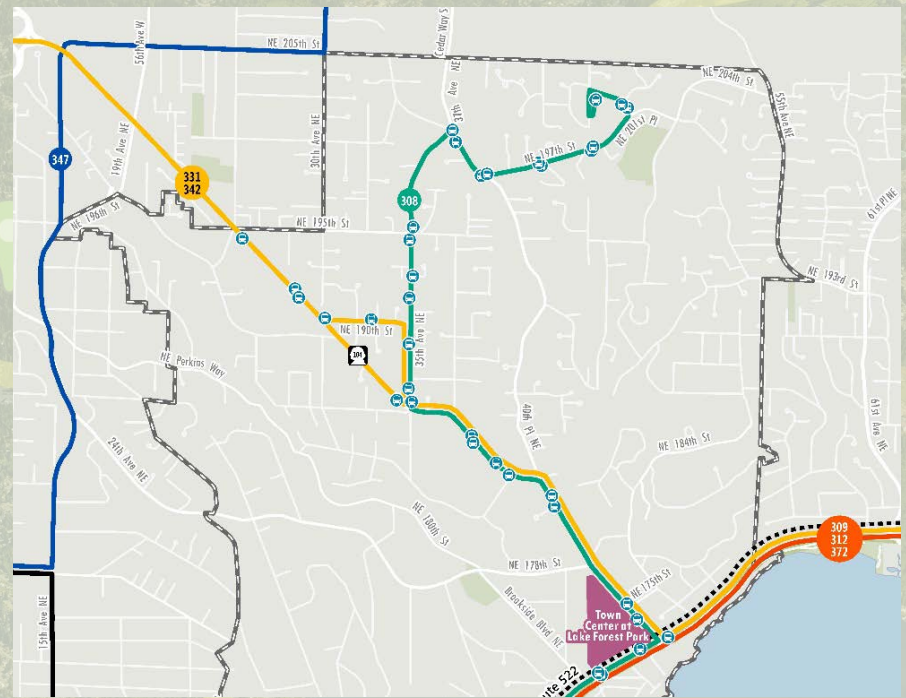
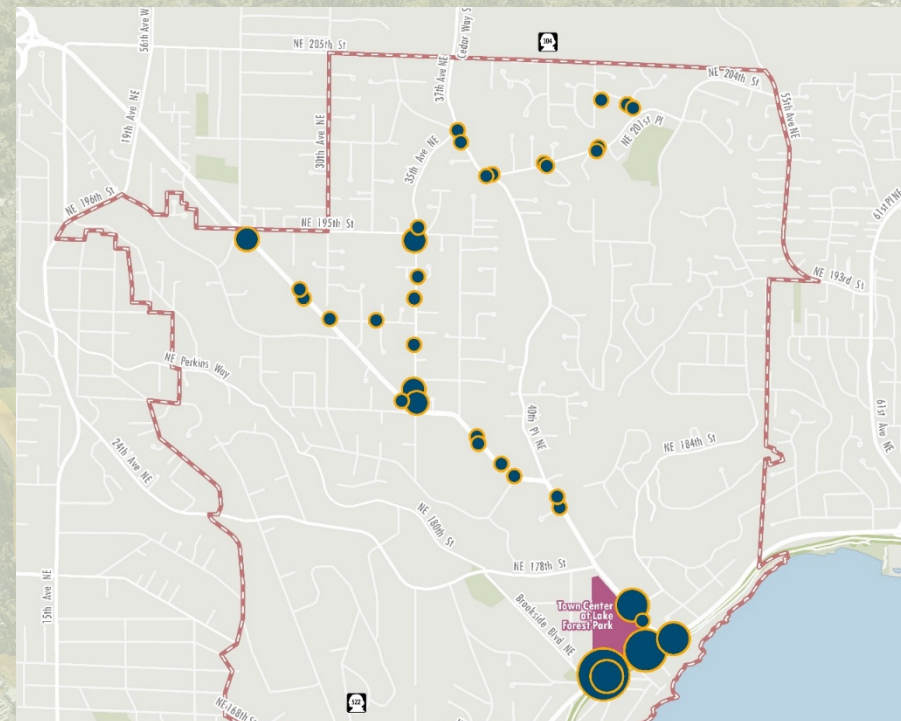
SR 104 Today



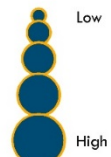
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SR 104 Today



Daily Boardings



City Boundary

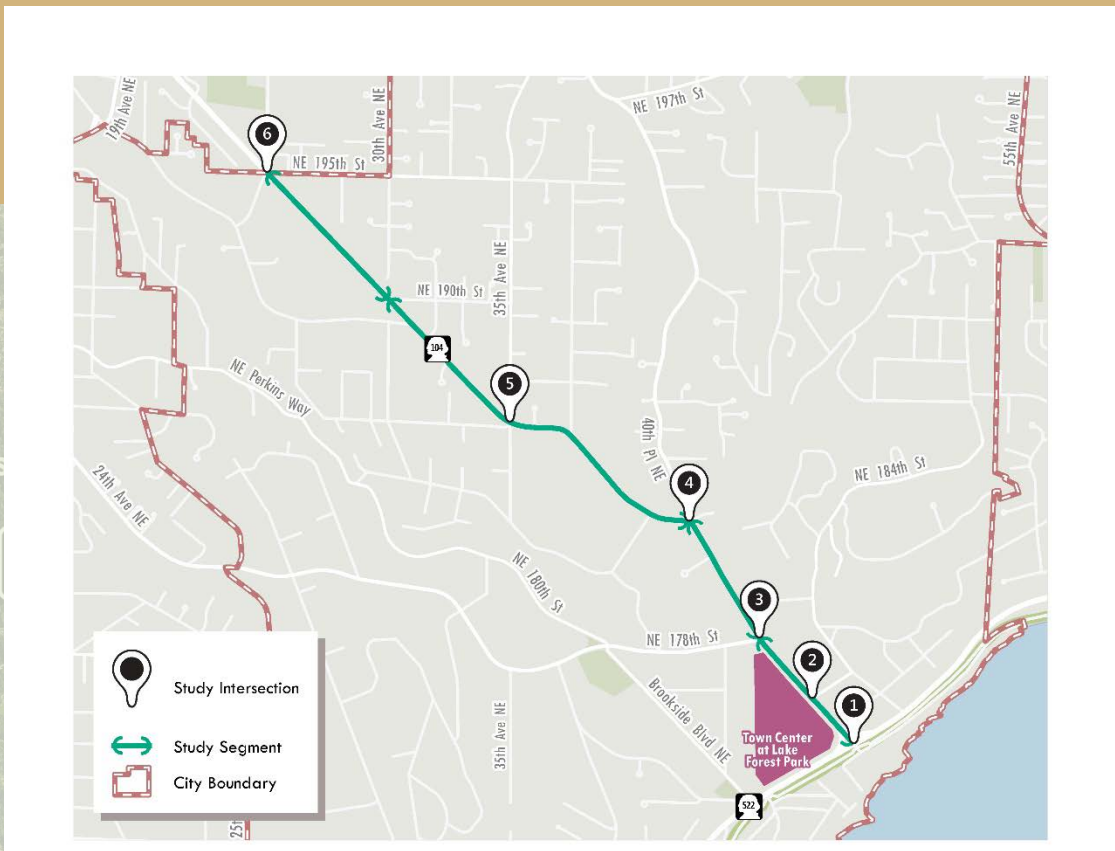


FEHR & PEERS

SR 104 Today

The map shows the SR 104 corridor running north-south. Study intersections are marked with numbered circles 1 through 6. Study segments are indicated by green arrows along the corridor. City boundaries are shown as red dashed lines. Key streets include NE 195th St, NE 184th St, NE 178th St, NE 175th St, NE 190th St, NE 195th St, NE Perkins Way, 40th PI NE, Brookside Blvd NE, and NE 184th St. The Town Center at Lake Forest Park is highlighted in purple near intersection 1.

Intersection	Control	AM				PM			
		Existing		Future		Existing		Future	
		LOS	delay	LOS	delay	LOS	delay	LOS	delay
SR 522 (Bothell Way)	Signal	D	43	E	59	E	65	F	86
NE 175th St	Signal	B	11	B	12	C	24	C	25
NE 178th Street (southern approach)	TWSC	E	49	F	>100	F	>100	F	>100
NE 178th Street (northern approach)	TWSC	B	13	B	13	C	19	C	22
40th PI NE/NE 184th St	Side Street Stop*	F	>100	F	>100	F	85	F	>100
35th Ave NE/NE 185th St	Signal	D	42	D	48	C	34	D	42
NE 195th St	Signal	D	40	D	43	C	32	D	42



		AM				PM			
		Existing		Future		Existing		Future	
Intersection	Control	LOS	delay	LOS	delay	LOS	delay	LOS	delay
SR 522 (Bothell Way)	Signal	D	43	E	59	E	65	F	86
NE 175th St	Signal	B	11	B	12	C	24	C	25
NE 178th Street (southern approach)	TWSC	E	49	F	>100	F	>100	F	>100
NE 178th Street (northern approach)	TWSC	B	13	B	13	C	19	C	22
40th Pl NE/NE 184th St	Side Street Stop*	F	>100	F	>100	F	85	F	>100
35th Ave NE/NE 185th St	Signal	D	42	D	48	C	34	D	42
NE 195th St	Signal	D	40	D	43	C	32	D	42

Draft SR 104 Cross-section Options

- Option 1 - Buffered bike lanes and sidewalks
- Option 2 - High quality sidewalks with landscaped buffers
- Option 3 - Multi-use trail on one side

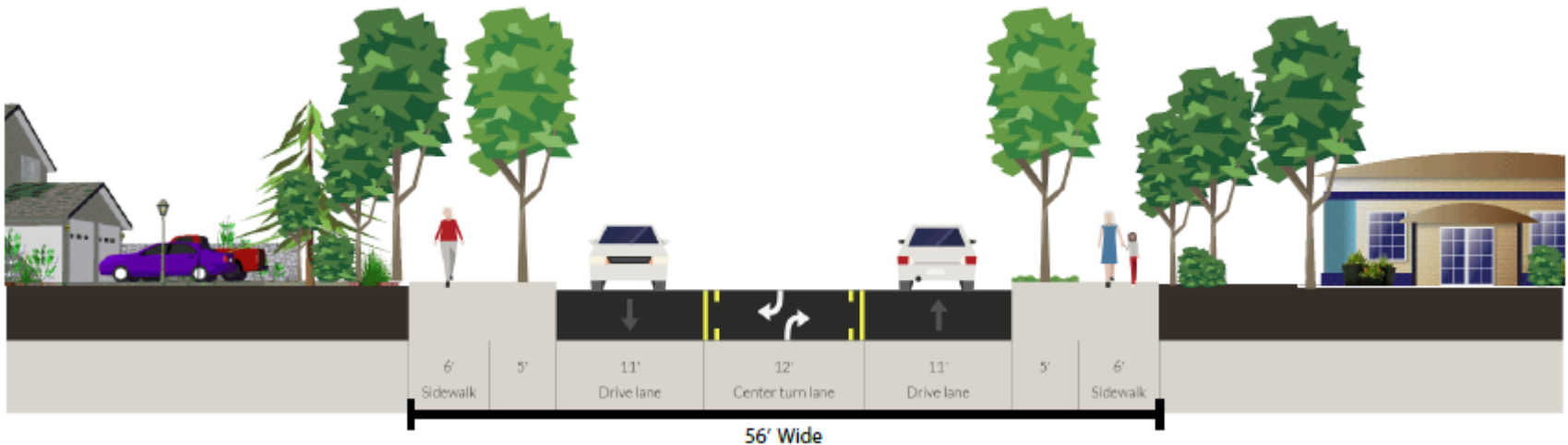
Buffered Bike Lanes & Sidewalks



- One travel lane each direction
- Sidewalk with landscape buffer on both sides
- Buffered bicycle lanes in both directions
- Left turn lane or planted median where feasible
- Assumes bike lanes start around 178th St, just north of Town Center

Sidewalks

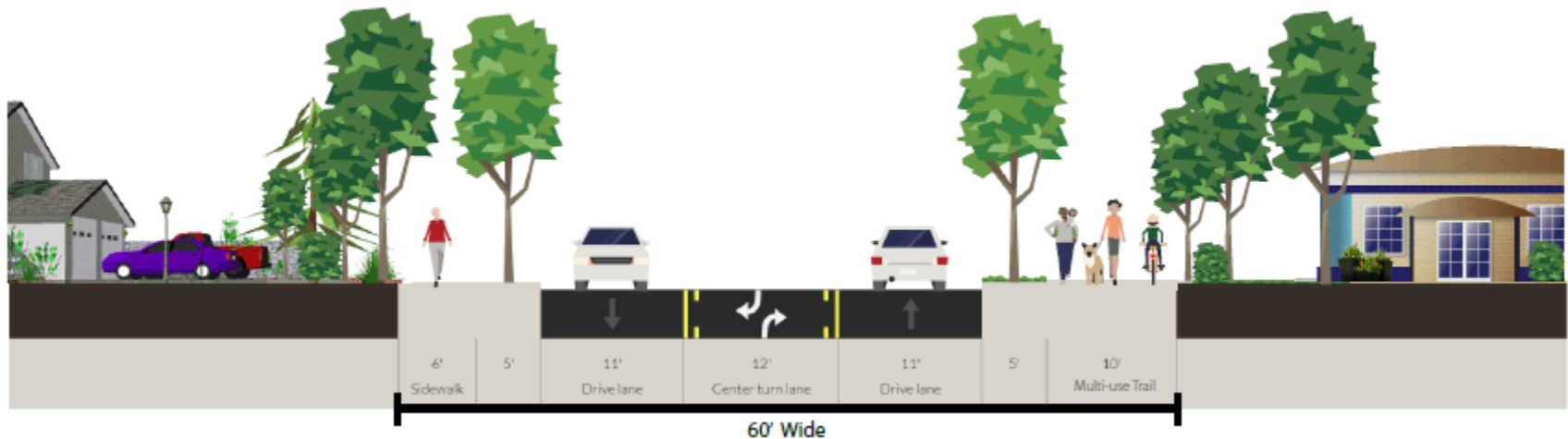
2 35th Avenue NE to 40th Place NE



- One travel lane each direction
- Sidewalk with landscape buffer on both sides
- Left turn lane or planted median where feasible
- Assume bicyclists use other local streets for travel

Multi-use Trail on One Side

2 35th Avenue NE to 40th Place NE



- One travel lane each direction
- Multi-use path on the east side (LFP Elementary), sidewalk with landscape buffer on the west side
- Multi-use trail transitions to west side near Town Center
- Left turn lane or planted median where feasible

TAC Discussion Questions

- Aware of opportunities to collaborate with other projects in implementing these cross-section types?
- Do any of these cross-section types have a “fatal flaw” we should be aware of?
- Any other relevant information to share that may affect the design of these cross-sections?

Next Steps

- Confirmed:
 - TAC #3 – SR 104 Intersection Options (Oct. 4)
 - SR 104 – Public Meeting (evening Oct. 18)
 - TAC #4 – SR 522 Cross-sections (Oct. 17)
 - COW – SR 104 Recap & SR 522 Preview (Oct. 23)
- Tentatively Scheduled:
 - TAC #5 – SR 522 – Access to Transit & 145th intersection (Nov. 1)
 - SR 522 – SR 522 Public Meeting (evening Nov. 14)
 - TAC #6 – Project wrap-up (December TBD)

THANK YOU

Lake
Forest Park



Lake
Washington



For more information, please contact:

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Fehr & Peers

FEHR & PEERS



NE 145th St