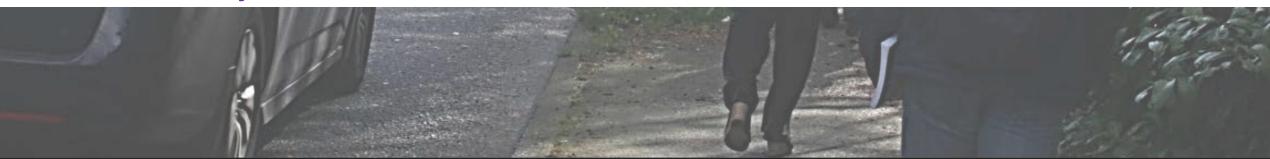


145th Street Multimodal Corridor Study City of Shoreline City Council Meeting March 21, 2016







Tonight's Agenda

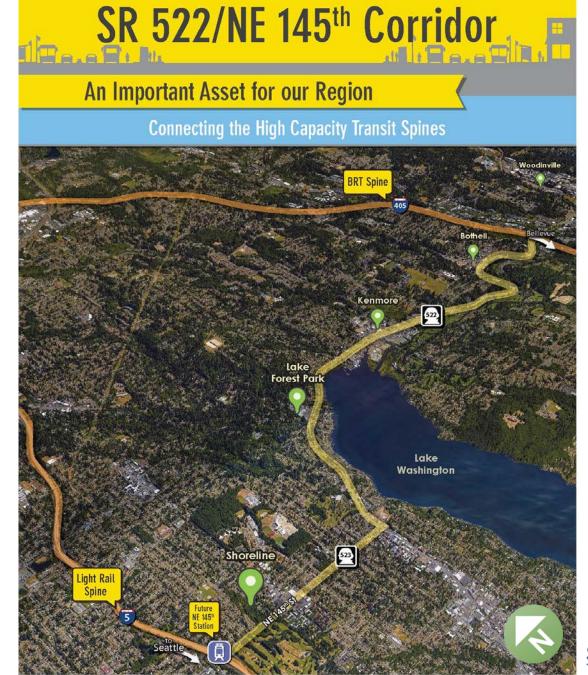
- Project background
- Process
- Project goals and challenges
- Concepts studied
- Preferred concept overview
- Third open house
- Next steps





SR 523 / SR 522 Regional Corridor

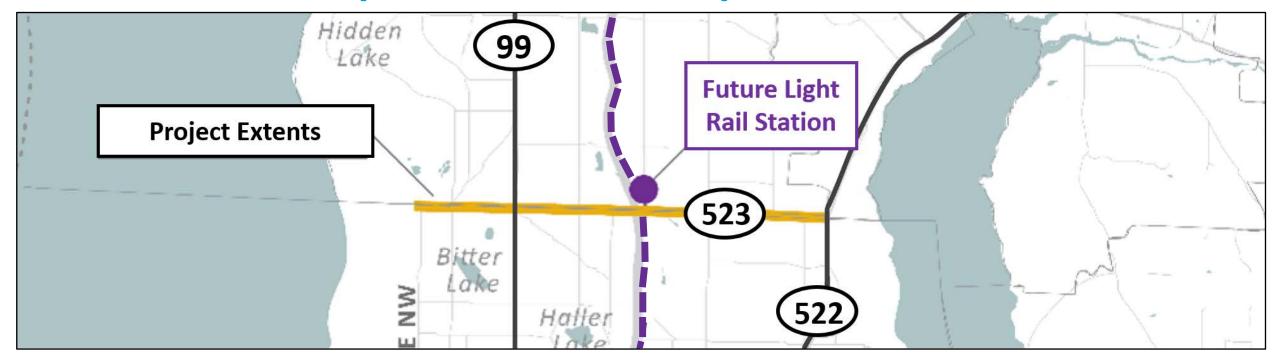
- Important asset for our region
- Connecting the future High Capacity Transit Spines
- Sound Transit 3 candidate project







145th Street (State Route 523)



- Connection to Aurora, I-5, and Lake City Way/Bothell Way
- Connection for Shoreline and Seattle neighborhoods, businesses, parks and services
- Future light rail station at 145th and I-5





Project partners











Puget Sound Regional Council
PSRC











What's the problem?



Traffic congestion



Pedestrian barriers, no place for bikes



Limited transit service, minimal amenities

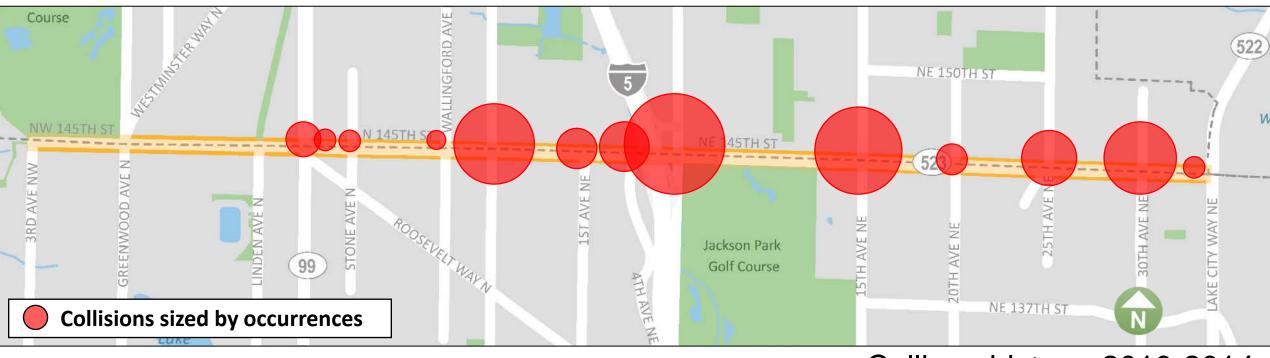


Safety concerns, including lack of left turns





What's the problem?



Collison history: 2010-2014





What's the process?



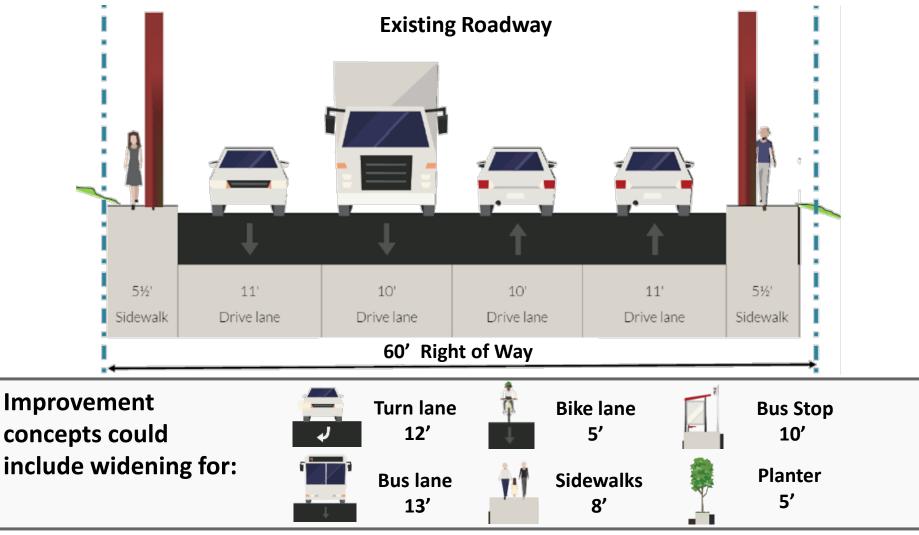


Corridor Study decision making advisors include: Citizen Advisory Team, Interagency Technical Team, Public Input





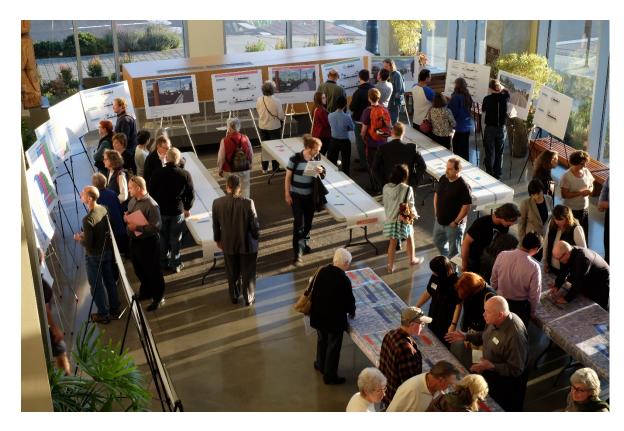
Challenge of limited right of way







Second open house presented range of concepts and collected valuable community input







Study Concept 1 – "No-Build"





Study Concept 2





Study Concept 3



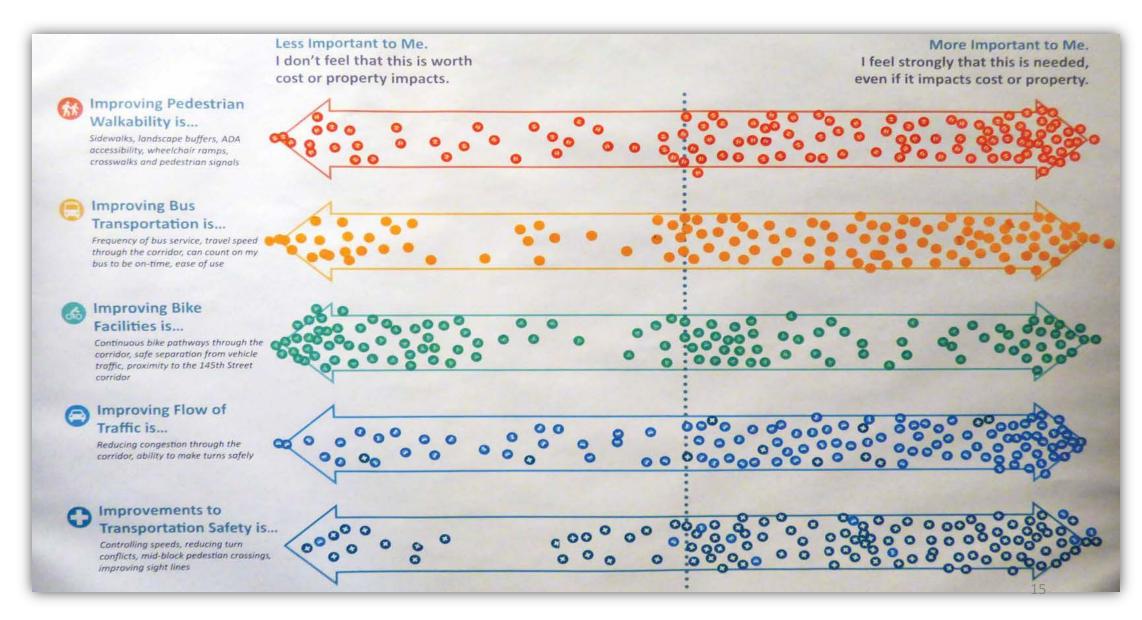


Study Concept 4





Community-based design informed by your input



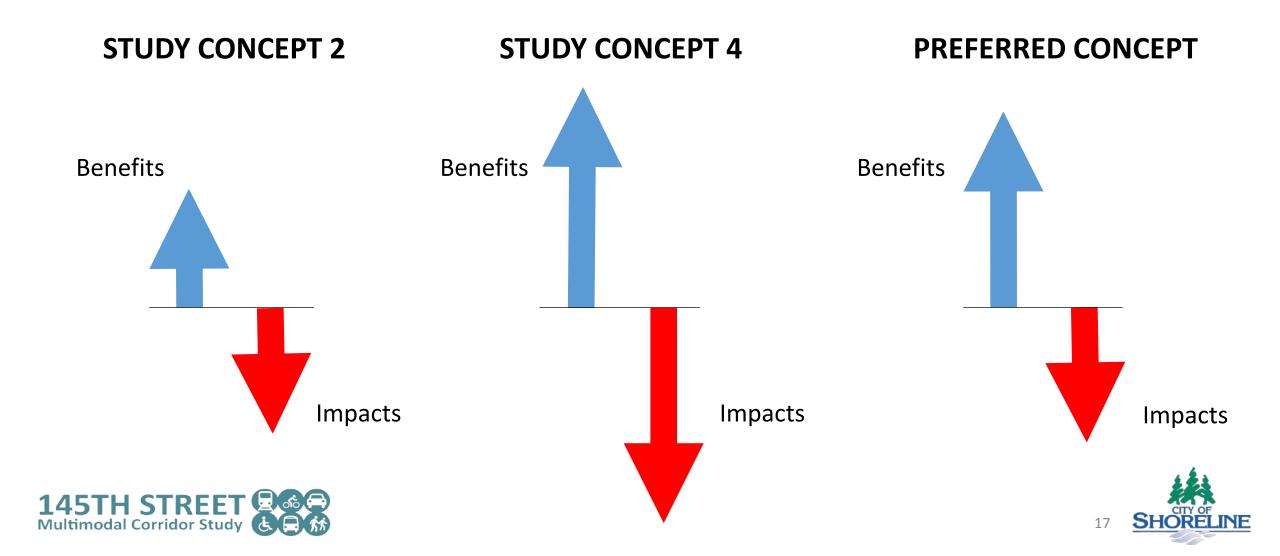
Inter-Agency Technical Team helped to develop a preferred concept

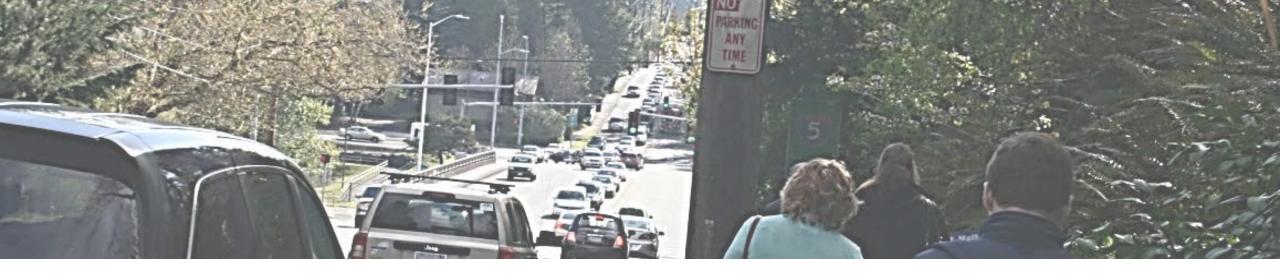


ITT Members from WSDOT, Sound Transit, King County Metro, SDOT, Kenmore, Bothell, Lake Forest Park, Cascade Bicycle Club, Feet First, and the City of Shoreline



Preferred Concept strategy: Maximize benefits and minimize impacts





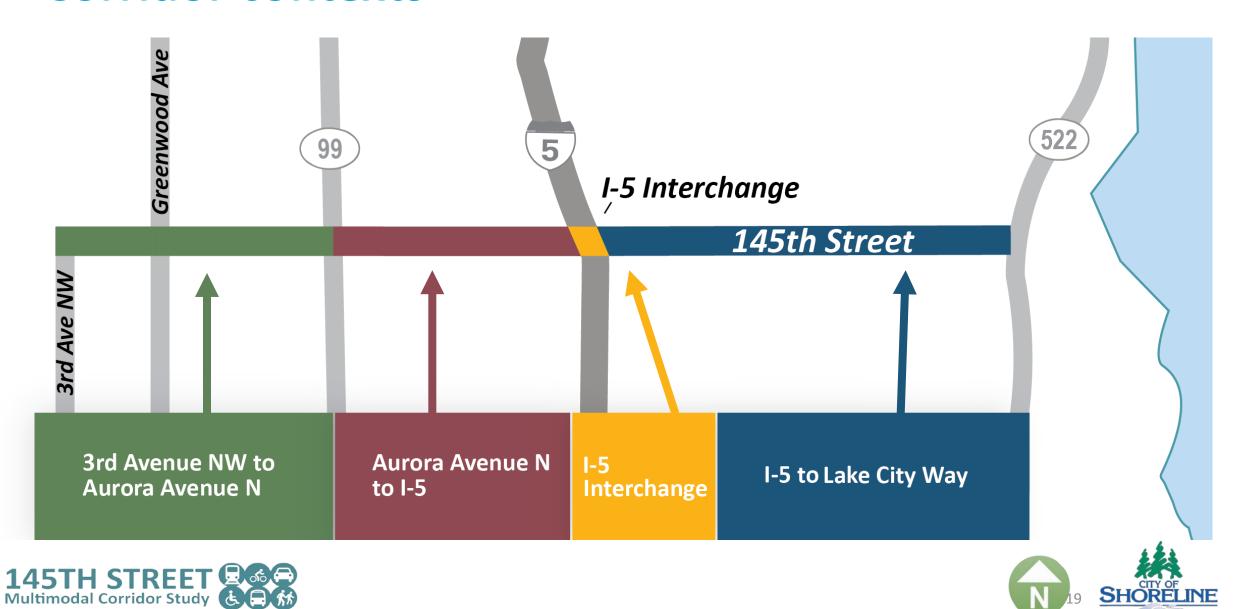
Preferred Concept Overview



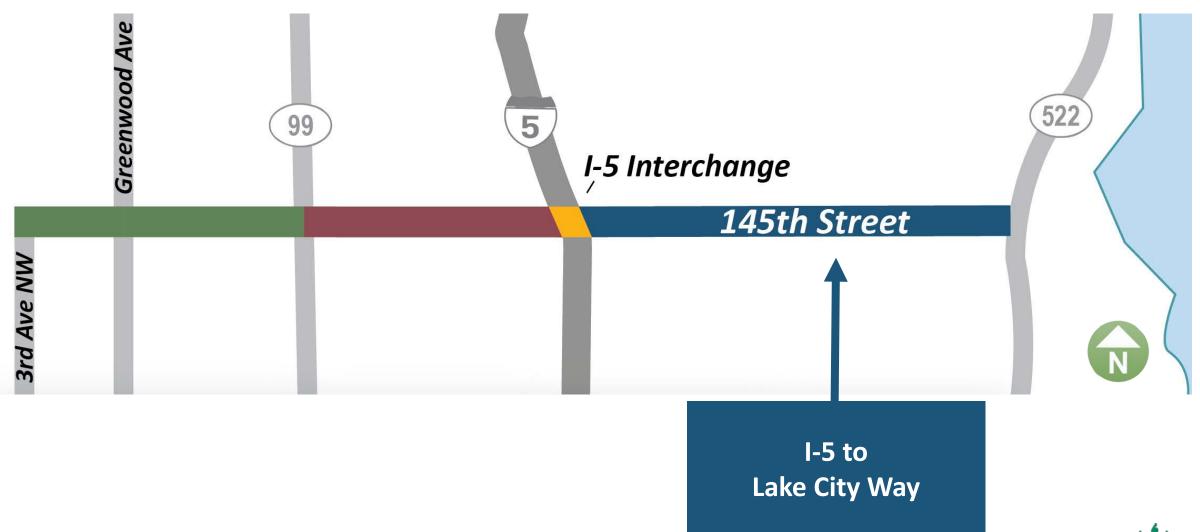




Corridor contexts

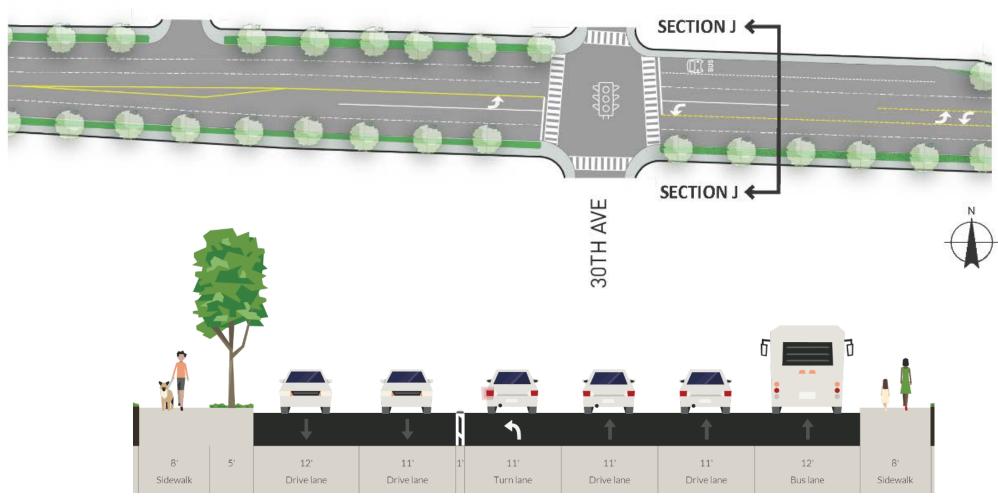


Preferred Concept Overview



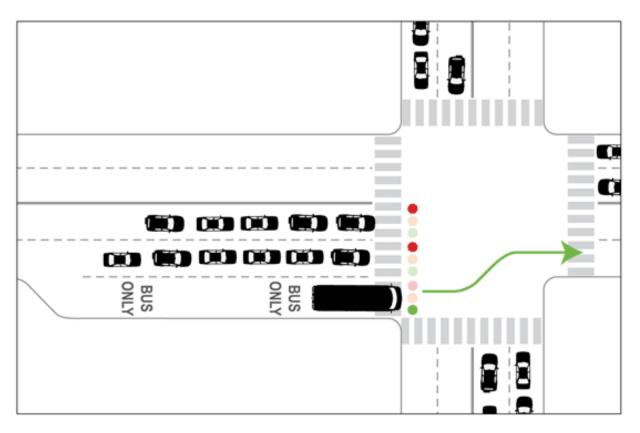


Example concept: Near 30th Avenue intersection





Transit Queue Jump

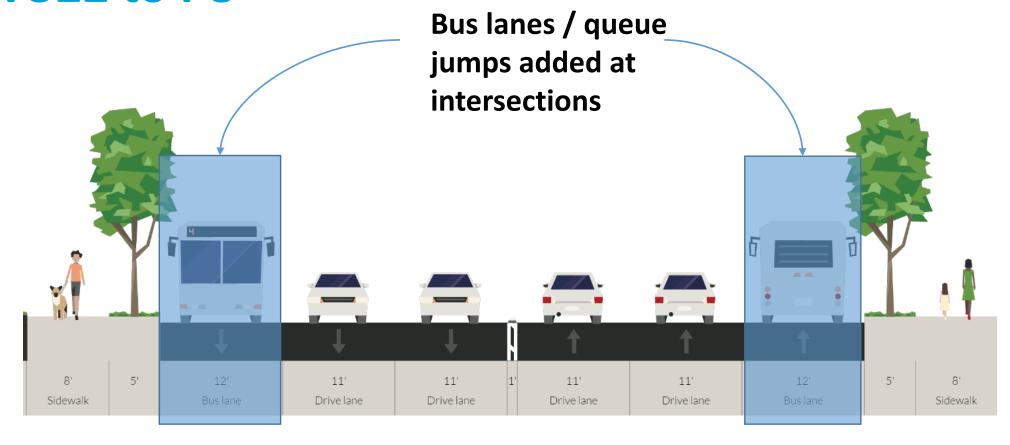








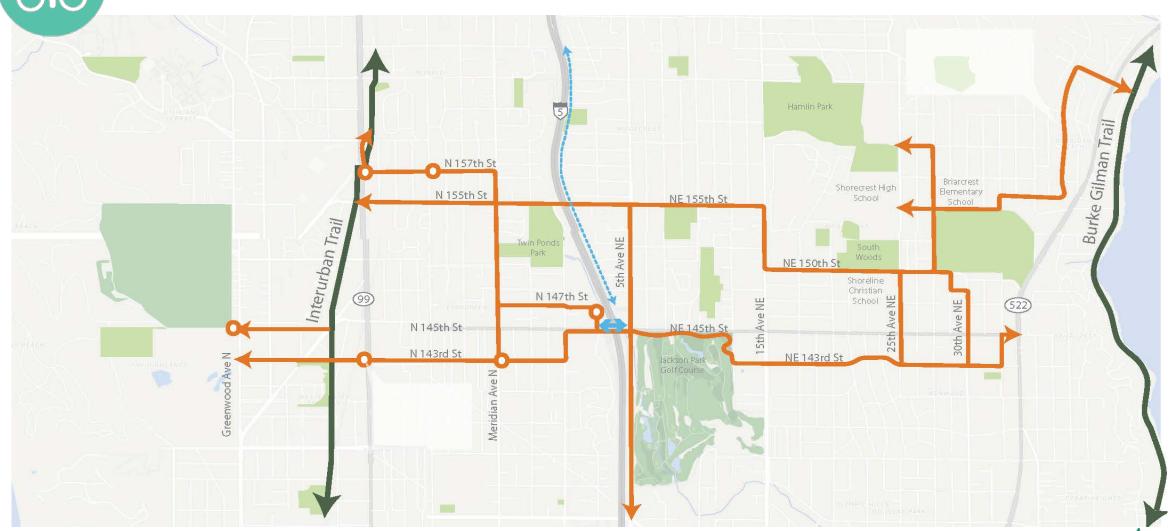
Preferred Concept Overview SR 522 to I-5





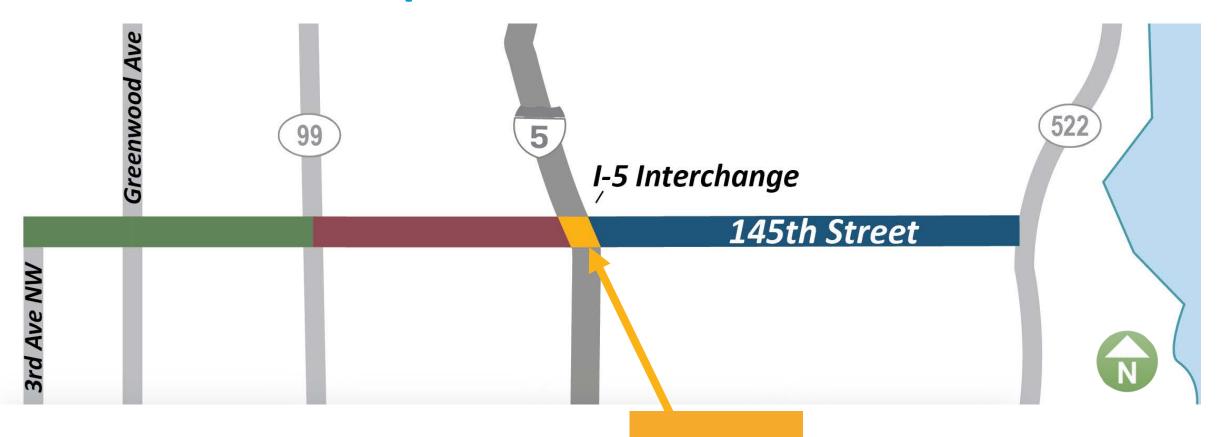


Off-Corridor Bike Network





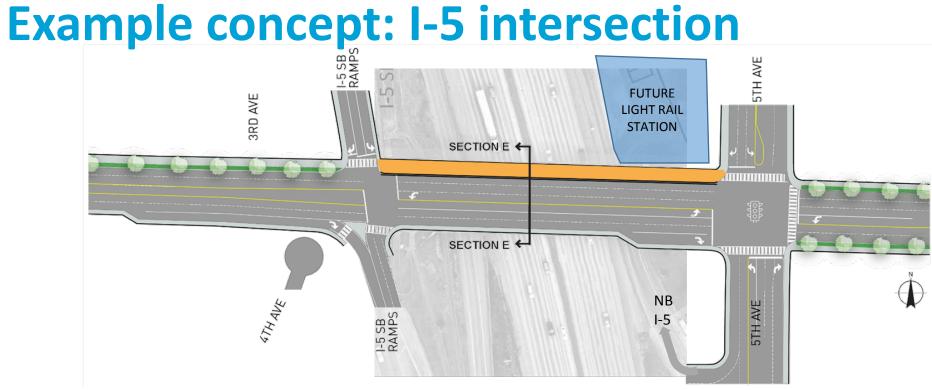
Preferred Concept Overview

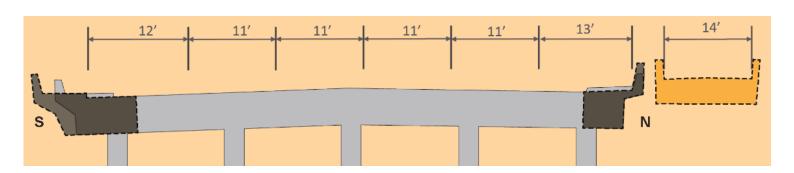


I-5 Interchange









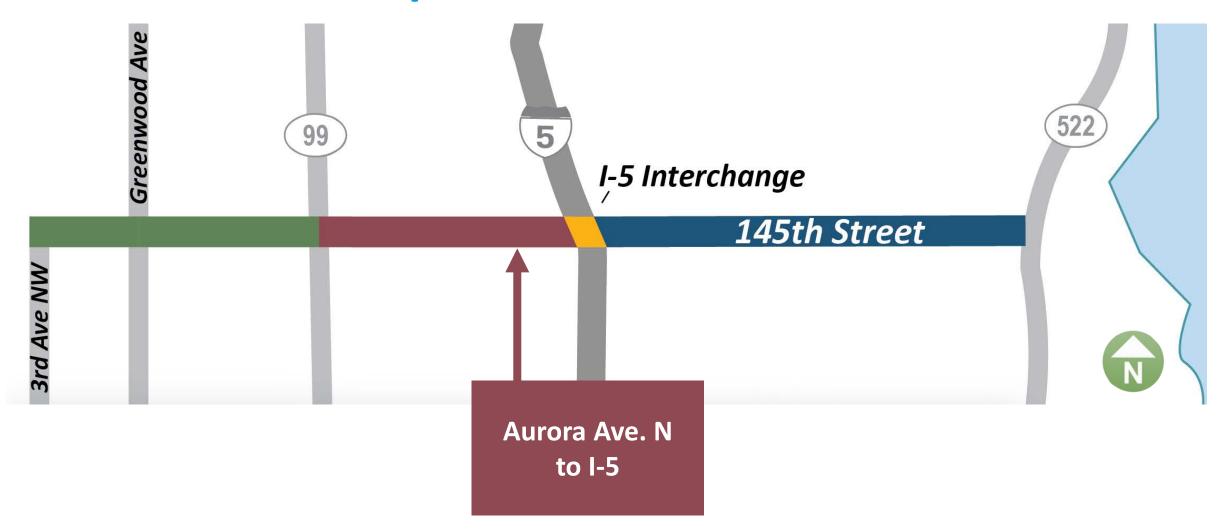
New non-motorized bridge



- Remove sidewalks on existing structure
- Widen to include 6 lanes and a 5-ft sidewalk on south side

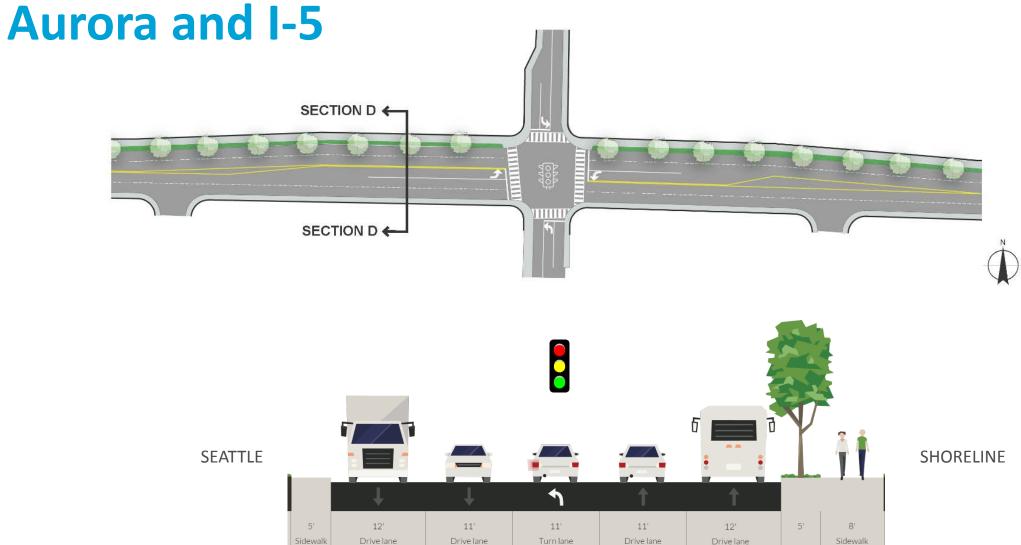


Preferred Concept Overview





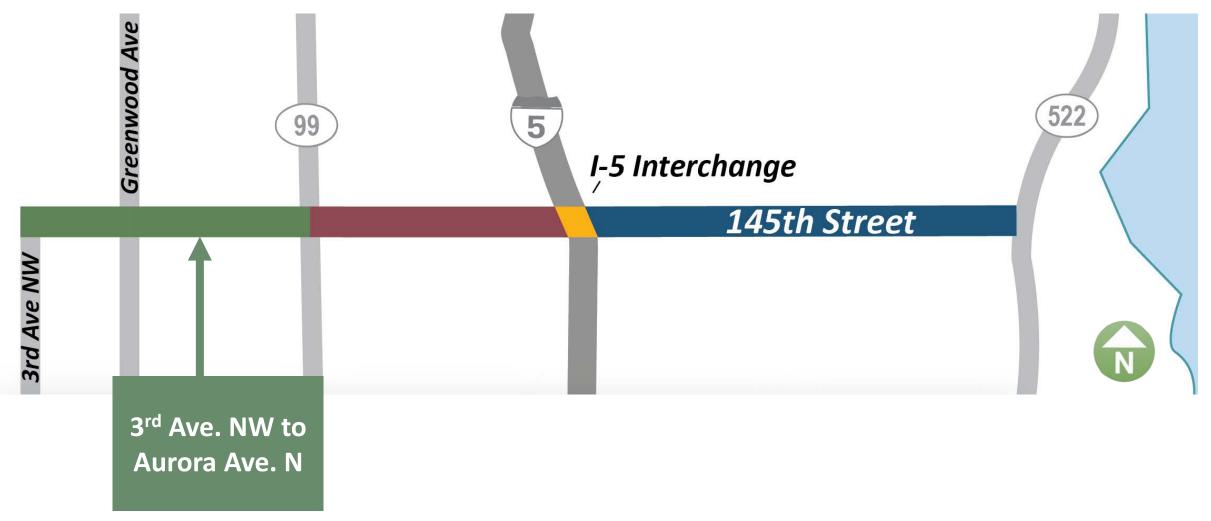
Example concept: Typical intersection between





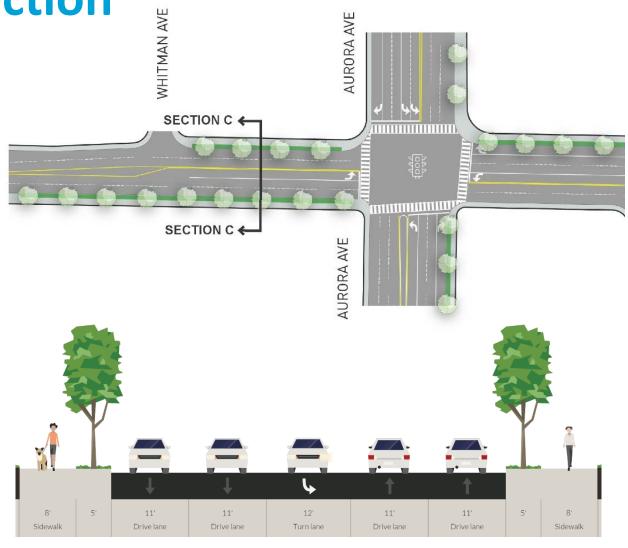


Preferred Concept Overview



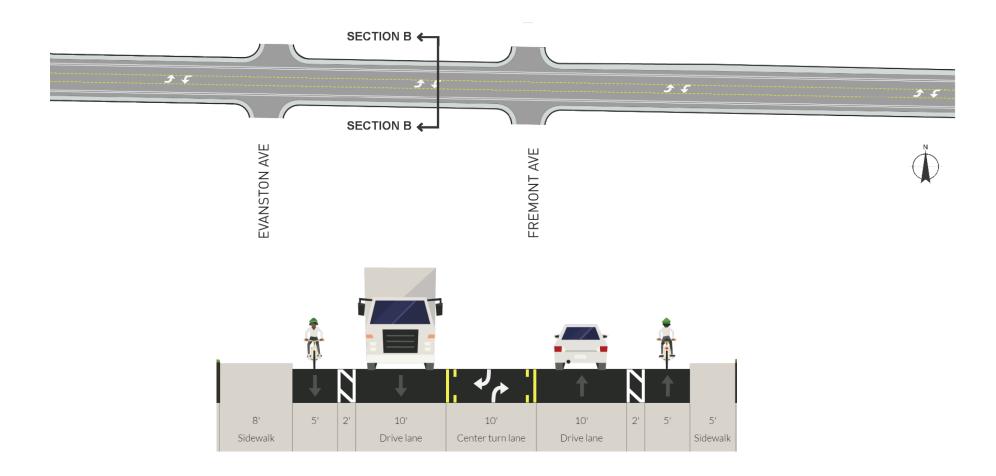


Example concept: Near Aurora Avenue intersection





Example concept: mid-block Linden to Greenwood







Third open house presented the preferred concept and collected valuable community feedback





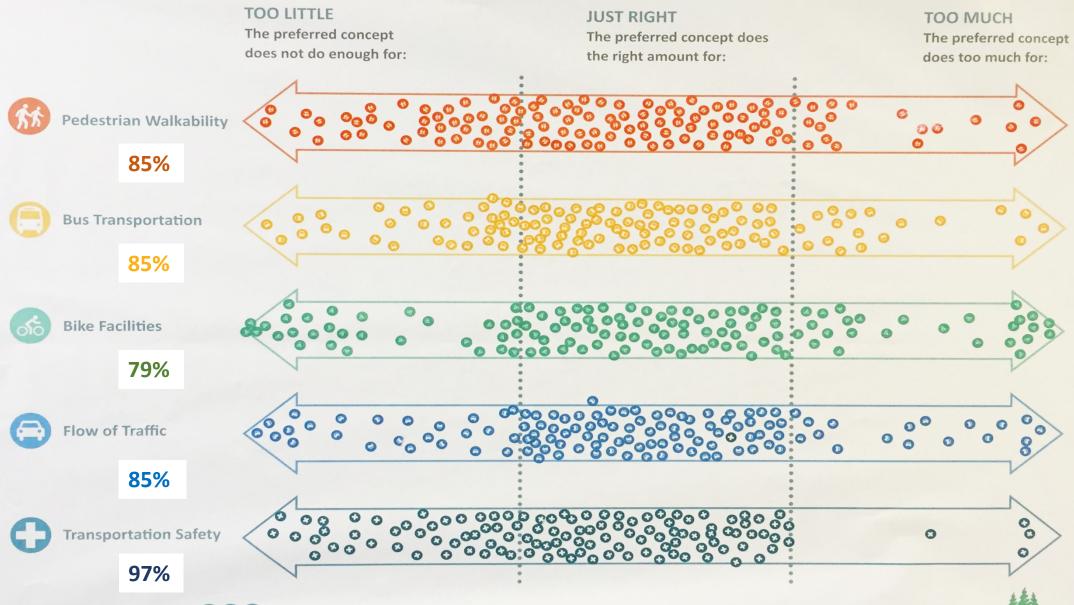








What do you think of the preferred concept along the entire corridor?



Multimodal Corridor Study

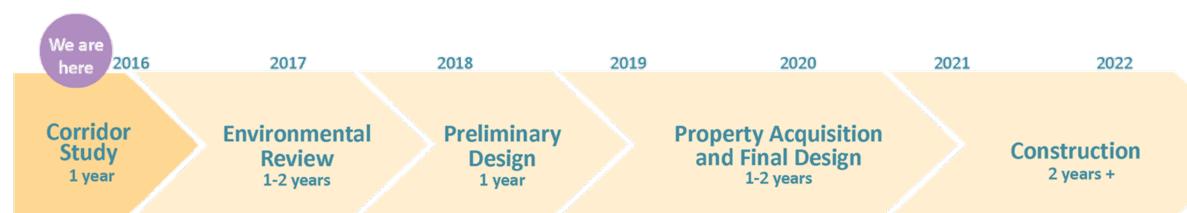




Next Steps: Aurora to I-5



- Continue partnership-building with Seattle, WSDOT, King County, and other partner agencies
- Begin preliminary design and environmental review
- Pursue grant funding for right of way and construction with PSRC, TIB, and other sources







Next Steps

I-5 Interchange:

Pursue grant funding for design and construction through PSRC and other sources

I-5 to SR522:

Advocate for ST3 funding and continue to build relationships with our partners

3rd Ave NW to Aurora Avenue:

- Implement quick wins (restriping and signal timing)
- Coordinate with Seattle DOT on improvements



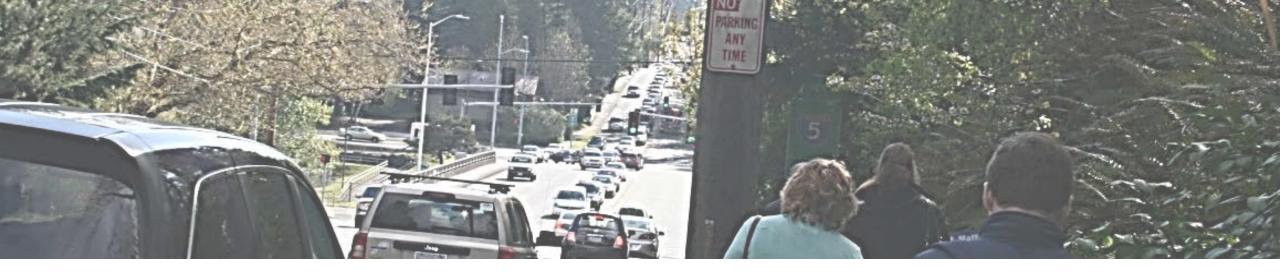
Next Steps

• **Tonight:** Discuss corridor study and preferred concept

• Before April 4: Address any questions or concerns

• April 4- Council meeting: Council adopts preferred concept





Questions?





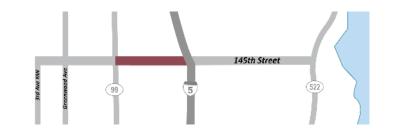




I-5 to SR522						
	Study Concept 2	Study Concept 3	Study Concept 4	Preferred Concept		
ROW Impacts (ft²)	77,500	144,000	150,000	130,000		
Total Acquisitions	17 (14%)	55 (47%)	70 (58%)	21 (17%)		
Parcel Impacts	82 (68%)	120 (100%)	120 (100%)	100 (83%)		
Total Number of Parcels	120	120	120	120		







Aurora to I-5					
	Study Concept 2	Study Concept 3	Study Concept 4	Preferred Concept	
ROW Impacts (ft²)	48,000	71,000	52,000	15,000	
Total Acquisitions	23 (24%)	40 (42%)	65 (68%)	22 (23%)	
Parcel Impacts	63 (66%)	96 (100%)	96 (100%)	44 (46%)	
Total Number of Parcels	96	96	96	96	







3rd Ave to Aurora						
	Study Concept 2	Study Concept 3	Study Concept 4	Preferred Concept		
ROW Impacts (ft²)	30,000	34,000	44,400	10,000		
Total Acquisitions	3 (9%)	3 (9%)	15 (29%)	0 (0%)		
Parcel Impacts	26 (71%)	26 (71%)	50 (98%)	11 (22%)		
Total Number of Parcels	51	51	51	51		

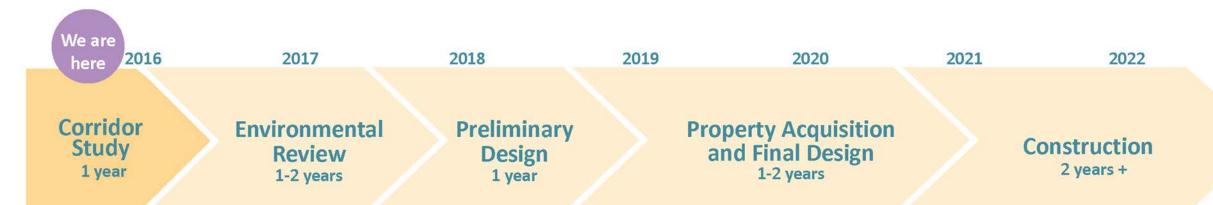




Next Steps: I-5 Interchange



- Continue relationships with partner agencies including WSDOT, Sound Transit, and Seattle
- Pursue grant funding through PSRC Regional funding and Countywide funding for environmental and design







Next Steps I-5 to Lake City Way



- Continue partnership building with Sound Transit, WSDOT, Seattle, KC Metro, and 522 Cities
- Design development at SR522/523 intersection
- Advocate for prioritizing project on ST3
- Advocate for voter support for ST3
- Pursue grant funding





Next Steps: Third to Aurora



- Continue partnership building with Seattle
- Implement quick wins restriping and signal timing
- Look to add to SDOT safety corridor list
- Opportunities to support bikes/interurban





Relationship between Corridor Study & Subarea Plan

Question: Can 145th Street handle level of growth analyzed for Subarea? Answer: Yes, but important to discuss 3 timeframes

- Corridor Study analyzed projected growth (at 1.5% growth rate) over next 20 years (through 2035) and confirmed that improvements envisioned in Preferred Concept could support zoning scenarios for Subarea Plan.
- Until improvements are made, City will rely on other means to ensure concurrency (developers must analyze traffic impacts and pay for improvements if their project would cause failure in Level of Service).
- Corridor Study didn't model conditions beyond 2035, but there is additional capacity in Preferred Concept. Also, behavioral change and technological advancements will change mode split in the future.





Traffic Analysis in Subarea Plan Draft EIS

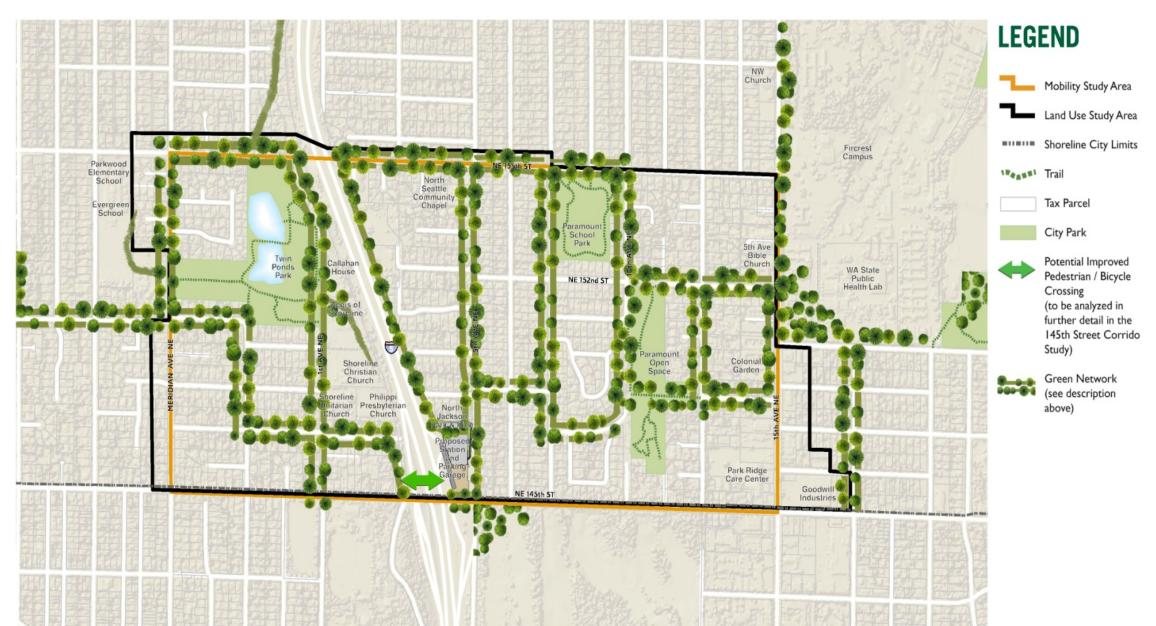
Even with no additional improvements:

- 145th Street corridor would reach its capacity under current standards approximately around 2025-2027, depending on actual growth experienced. This is for both sections east and west of I-5.
- 5th Avenue corridor would reach its capacity under current standards approximately around 2030 (again depending on actual growth experienced).
- All other corridors (155th Street / 15th Avenue / Meridian Avenue) would not reach their capacity until after 2035.





The Green Network



OH3 Public Input Result

145 th Street by Segment:					
145th Street	Segment: 3 rd Ave. NW to Aurora Ave. N				
	Total	Too Little	Just Right	Too Much	
99 (522)	118	19	83	16	
	Segm	ent: Aurora Av	e. N to I-5		
145th Street	Total	Too Little	Just Right	Too Much	
	124	35	73	16	
	Segment: I-5 Interchange				
I-5 Interchange 145th Street	Total	Too Little	Just Right	Too Much	
99 (522) (522)	128	37	86	5	
145th Street 145th Street	Segment: I-5 to Lake City Way				
	Total	Too Little	Just Right	Too Much	
	129	19	92	18	





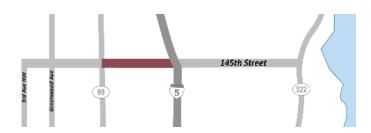
OH3 Public Input Result

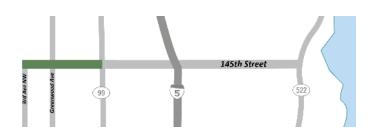
145 th Street by Modes:						
	Pedestrian Walkability					
N. A.	Total	Too Little	Just Right	Too Much		
	123	39	66	18		
	Bus Transporta	tion				
	Total	Too Little	Just Right	Too Much		
	120	31	71	18		
	Bike Facilities					
	Total	Too Little	Just Right	Too Much		
	123	31	66	26		
	Flow of Traffic					
(· · · ·)	Total	Too Little	Just Right	Too Much		
	121	25	78	18		
	Transportation Safety					
I C 3	Total	Too Little	Just Right	Too Much		
	118	40	74	4		











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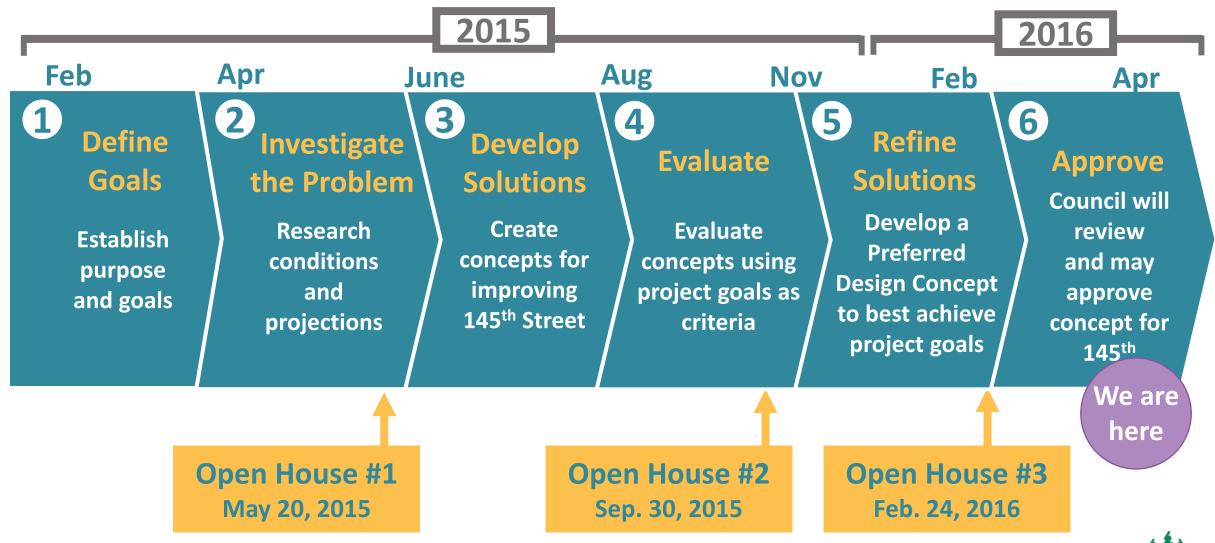
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Study Concept Study Concept Study Concept 2 3 4 Concept						
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What's the process?







Project goals











- Ensure that everyone can walk, bike, bus, access light rail and drive safely and reliably along and across the corridor
- Develop transportation improvements that:
 - Support the local economy
 - Protect the environment
 - Support a vibrant community



