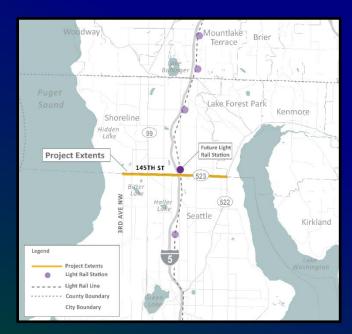
NE 145th Street Multimodal Corridor Study

Shoreline City Council Update August 17, 2015



Why are we doing this study?

- NE 145th Street is a key regional connection to I-5, Lake City Way (SR522), and Aurora (SR99) and cities to the north and east.
- Light rail station is coming--the need for safe and reliable travel in the corridor is critical.
- NE 145th Street is a principal arterial that connects Shoreline and Seattle neighborhoods, businesses, parks and services.





What's the problem?

- Deteriorating traffic congestion
- Deficient pedestrian and bike environment
- Few bus routes due to congestion and poor pedestrian facilities.
- Light rail station coming but people can't get there easily
- Collision records show unsafe conditions for cars, bikes, and pedestrians





What's the problem?



Bad and deteriorating traffic congestion and deficient pedestrian and bike environment



Lack of transit and bus stop facilities due to congestion and poor pedestrian facilities



esible pathways and many po

Non-ADA accessible pathways and many pedestrian barriers



Poor sight distance and lack of left-turn management contribute to safety concerns



What's the problem?



Station with 6,000 weekday boardings

500 stall parking garage

Light rail station coming to 145th Street, but people can't get there easily



One of 300 poles centered in sidewalks on 145th Street



Pedestrians walking along 1st Ave NE
– a roadway without pedestrian or
bike facilities within a block of the
145th station



Pedestrians walking along 145th Street



What are the goals?

Create a corridor where you can walk, bike, bus, and drive safely,

and . . .

Develop transportation improvements that:

- Support the local economy
- Protect the environment
- Support a vibrant community
- Supports future light rail



- Develop a preferred design concept that will improve the safety, mobility and accessibility for all users along and across the corridor.
- 2. Arrive at a preferred design concept that will emphasize the movement of people through all modes by enhancing the attractiveness of transit, walking and cycling along the corridor.
- 3. Develop a preferred design concept that optimizes efficient movement of people and goods.



- 4. Arrive at a preferred design concept that can support both local and regional economic development objectives by stimulating interest in reinvestment or redevelopment of property along the corridor and near the 145th Street light rail station.
- 5. Arrive at a preferred design concept that supports City of Shoreline and City of Seattle plans and policies.
- 6. When identifying the preferred design concept, consider the impacts to adjacent property and business owners resulting from right-of-way acquisition and the construction of improvements including access to property and impacts to existing buildings and improvements.



- 7. Arrive at a preferred design concept that allows utilities to access, operate, maintain and upgrade facilities in a way that meets the system and/or service requirements for the street and the areas this corridor serves.
- 8. Arrive at a preferred design concept that provides environmental benefit and mitigation for impacts to critical areas.
- 9. Improve aesthetics in a manner that improves the comfort of the user and considers enhancements to views.



- 10. Involve adjacent residents, property and business owners, the public and affected jurisdictions in the decision making process to allow for consideration of all needs along the corridor.
- 11. Arrive at a preferred design concept that allows different characteristics and features along the corridor and has the flexibility to incorporate site specific constraints, such as environmentally critical areas.



Background

- Met with WSDOT Secretary Peterson and Assistant Secretary Scarton last August on a tour of the corridor.
- Consultant selection/contract approval.
- On-going City Council briefings
- Future funding
 - \$4.6M PSRC funding for design for Aurora to I-5
 - \$25M State funding for entire corridor



Stakeholder Outreach

- First open house on May 20
- Ongoing coordination with Citizen's Advisory Task Force (CATF)
- Ongoing coordination with Interjurisdictional Technical Team (ITT)

SDOT, WSDOT, King County Metro, SoundTransit, PSRC, and neighboring cities along the SR-522 corridor

Additional outreach with key stakeholders

(Seashore letter in support of High Capacity Transit on 145th)

Project Partners









Puget Sound Regional Council

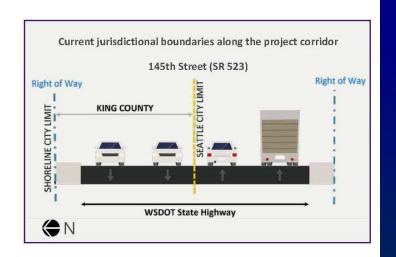




City of Bothell

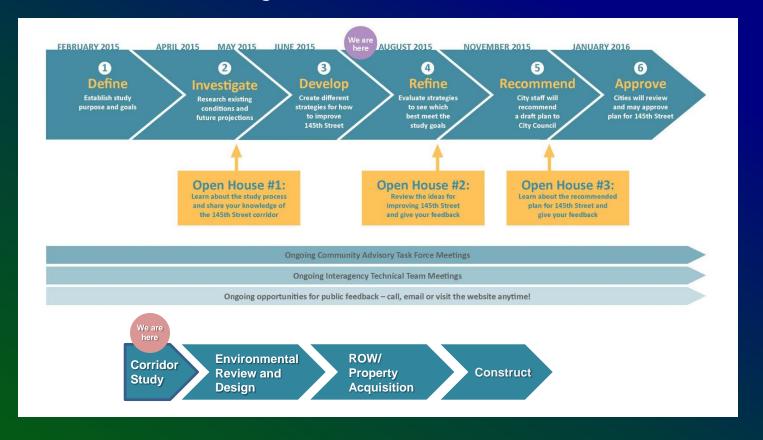








Project Process

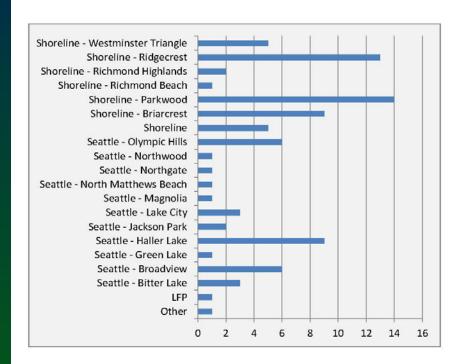


Where we are:

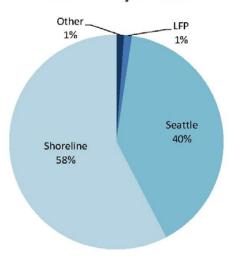
- Evaluate solutions that address all modes of travel —pedestrians, bicycles, transit, and vehicles.
- "Book-end" a range of alternatives.
- Confirm with stakeholders that we are "on track".

First Open House May 20, 2015 . . .

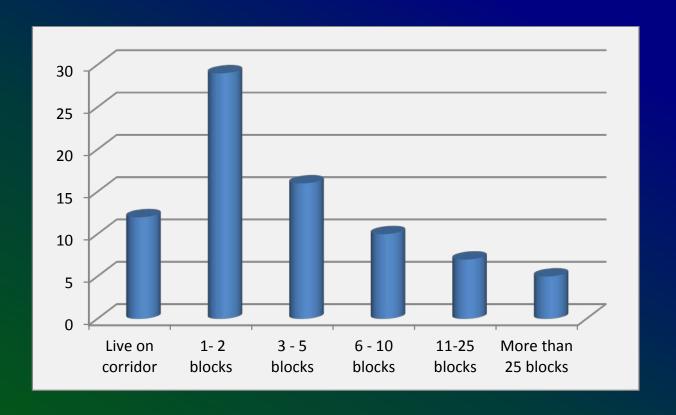
QUESTION: Where do you live (city and neighborhood)?



Where do you live?



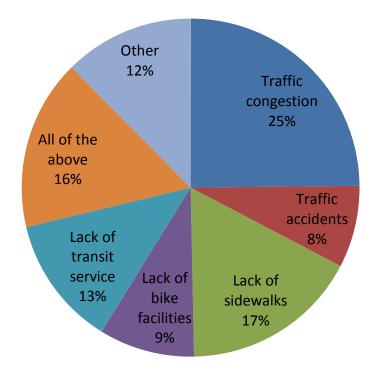
Approximately how many blocks from 145th Street do you live?



What are the biggest problems on 145th?

81 people listed 153 choices

Traffic congestion	38
Lack of sidewalks	26
All of the above	25
Traffic accidents	12
Lack of transit service	19
Other	19
Lack of bike facilities	14





What we heard at open house:

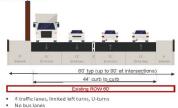
- Provide a safe pedestrian environment and improve ADA accessibility.
- Provide bicycle facilities along corridor and off-corridor.
- Improve transit service.
- Do not reduce number of vehicle lanes.
- Need improvements at intersections.
- Consider impacts to property owners along corridor.
- Property acquisition should not be on Shoreline side only.
- Shoreline residents should not bear project costs alone.

Comparison of study concepts

Typical Sections - Mid-block

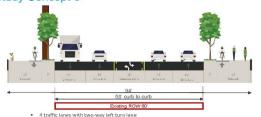
Aurora to SR522 Length = 2.45 miles

Study Concept 2



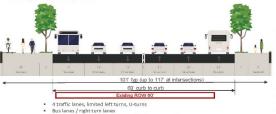
- Minimal ADA accessible sidewalks
- · Off-corridor bike facilities, "greenway"
- . Utility poles on both sides of roadway. Sidewalk will vary based on presence of utility pole.

Study Concept 3



- No bus lanes
- 5' amenity zones/planter
- 13' sidewalks includes 5' striped directional bike lane each side Utility poles in amenity zone

Study Concept 4



- . 8' sidewalks with 5' amenity zones/planter on one side
- · Shared path on one side · Utility undergrounding
- 145TH STREET



Preliminary Property Impact Summary

ROW Impacts (ft²)

Full Acquisitions

Preliminary Property Impact Summary

-5 to Lake City

65,300

17 (14%)

82 (69%)

Aurora Ave

124,200

40 (42%)

Parcel Impacts Total Number of Parcels

ROW Impacts (ft²)

Full Acquisitions

Percel Impacts

Preliminary Property II	mpact Summar
	Aurora Ave to I-5
ROW Impacts (R ²)	145,000
Full Acquisitions	65 (68%)
Parcel Impacts	96 (100%)
Total Number of Parcels	96

90
I-S to Lake City Way
256,200
70 (58%)
120 (100%)
120



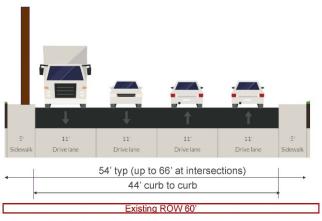


Study concepts . . .



Study Concept 1 – No Action/Existing Conditions

Greenwood to SR522



- 4 traffic lanes
- No bus lanes
- Non-accessible sidewalks
- No bike facilities
- Utility poles exist on both sides of roadway





Study Concept 2

Aurora to SR522

Length = 2.45 miles



- 4 traffic lanes, limited left turns, U-turns
- No bus lanes
- Minimal ADA accessible sidewalks
- Off-corridor bike facilities, "greenway"
- Utility poles on both sides of roadway. Sidewalk will vary based on presence of utility pole.



Concept 2A - with BAT lanes

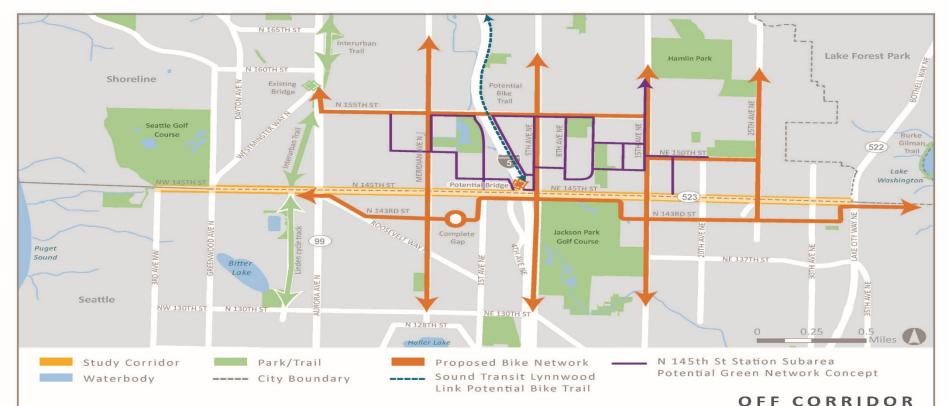
Preliminary Property Impacts

DRAFT	Aurora Ave to I-5
ROW Impacts (ft ²)	38,400
Full Acquisitions	23 (24%)
Parcel Impacts	63 (66%)
Total Number of Parcels	96

DRAFT	I-5 to Lake City Way
ROW Impacts (ft ²)	65,300
Full Acquisitions	17 (14%)
Parcel Impacts	82 (69%)
Total Number of Parcels	120







145TH STREET COMPANY (S. C.)

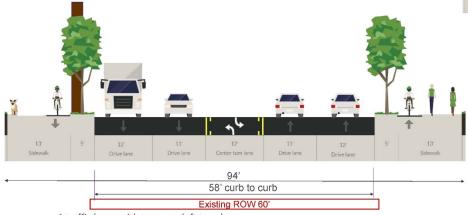
BIKE NETWORK STUDY CONCEPT 2



Study Concept 3

Aurora to SR522

Length = 2.45 miles



- 4 traffic lanes with two-way left turn lane
- No bus lanes
- 5' amenity zones/planter
- 13' sidewalks includes 5' striped directional bike lane each side
- Utility poles in amenity zone



Concept 3A - "Road Diet"

Preliminary Property Impacts

DRAFT	Aurora Ave to I-5
ROW Impacts (ft ²)	124,200
Full Acquisitions	40 (42%)
Parcel Impacts	96 (100%)
Total Number of Parcels	96

DRAFT	I-5 to Lake City Way
ROW Impacts (ft ²)	221,500
Full Acquisitions	55 (46%)
Parcel Impacts	120 (100%)
Total Number of Parcels	120



Concept 3B - with BAT lanes





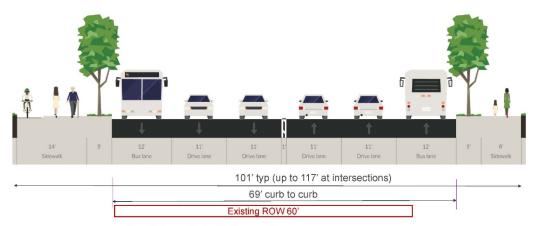
Study Concept 4

Aurora to SR522

Length = 2.45 miles



Concept 4A -Center Two-lane Bus way



- 4 traffic lanes, limited left turns, U-turns
- Bus lanes / right turn lanes
- 8' sidewalks with 5' amenity zones/planter on one side
- Shared path on one side
- Utility undergrounding

Preliminary Property Impacts

	Aurora Ave to I-
ROW Impacts (ft ²)	145,000
Full Acquisitions	65 (68%)
Parcel Impacts	96 (100%)
Total Number of Parcels	96
	LE to Lake City

DRAFT	I-5 to Lake City Way
ROW Impacts (ft ²)	256,200
Full Acquisitions	70 (58%)
Parcel Impacts	120 (100%)
Total Number of Parcels	120





Connectivity with light rail station

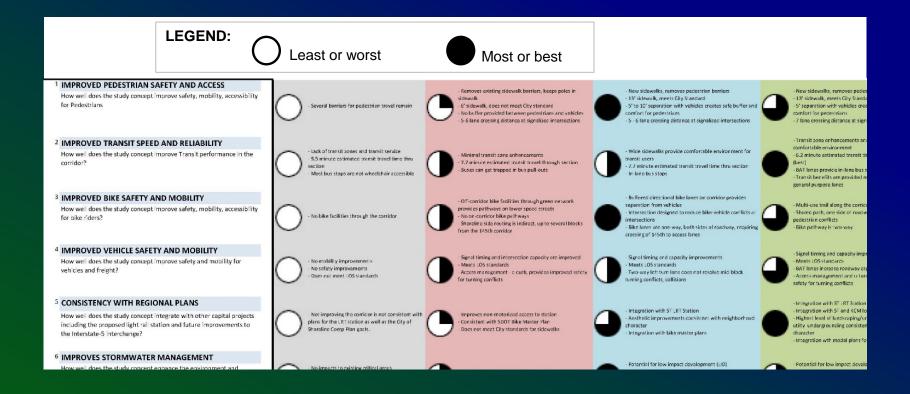
 Pedestrians, bicycles, vehicles and transit



Comparison of three concepts . . .



Evaluation tools



What we are doing next:

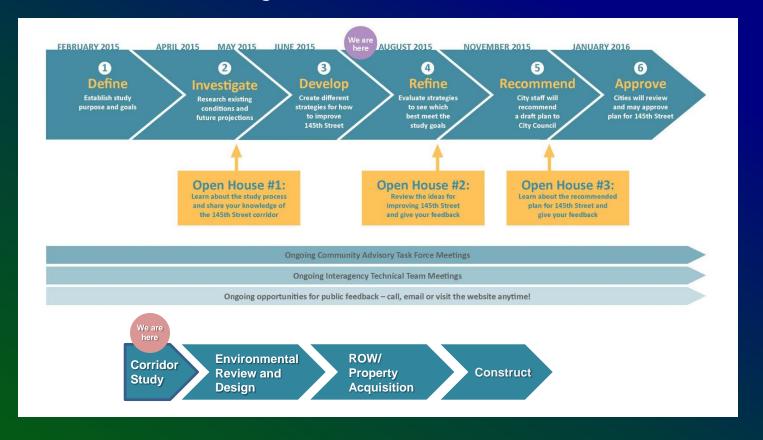
- Further analysis of three study concepts.
- Preferred concept selection
- Assess impacts and develop project cost estimate.



Overall process and next steps . . .



Project Process



Questions?

