

# *Highlands Neighborhood Association Meeting*

12/16/2020

**Allison Zike, AICP**

Senior Planner  
City of Kirkland

**Joel Pfundt**

Transportation Manager  
City of Kirkland

**Cynthia Padilla, AIA, LEED AP BD+C**

I-405 BRT Project Manager  
Sound Transit

**Diana Giraldo, PE**

Design Project Manager  
WSDOT I-405/SR 167 Program

**Karl Westby**

Senior Traffic Manager  
WSDOT I-405/SR 167 Program

**Jim Laughlin**

Transportation Planning Specialist  
WSDOT Northwest Region



# Agenda

- *Welcome and introductions*
- *Project coordination*
- *Stride Bus Rapid Transit (BRT) overview*
- *Station design*
- *Schedule and realignment*
- *Proposed project overview*
- *Design elements update*
- *Questions*



# I-405 Stride

- **37-mile corridor Lynnwood to Burien**
- **Integrated with WSDOT's I-405 Master Plan**
- **11 BRT stations across 8 cities**
  - Three new/expanded parking facilities
  - One transit center
  - Connections to Link light rail in Lynnwood, Bellevue and Tukwila
- **Estimated 25,800 riders daily by 2040**
- **Start of service in 2025 (S2), 2024 (S1)\*\***



# I-405 Stride travel times

## Estimated travel times: Lynnwood to Bellevue

ST Express (existing)

57<sub>MIN</sub>

I-405 Stride S2 Line\*

33-38<sub>MIN</sub>

*\*Preliminary travel time estimates for planning purposes, subject to change. Existing travel times are average times. Year 2025 estimates assume new express toll lanes are open between Lynnwood to Bellevue. Updated information will be provided prior to beginning service.*

## Project timeline \*\*



*\*Construction for most of the Stride BRT project is anticipated to begin by 2023 and be completed by 2025. Construction of some elements may begin before 2023, and others may occur after service starts in 2025.*

## Estimated travel times: Burien to Bellevue

ST Express (existing)

55<sub>MIN</sub>

I-405 Stride S1 Line\*

38-42<sub>MIN</sub>

*\*Preliminary travel time estimates for planning purposes, subject to change. Existing travel times are average times. Year 2025 estimates assume new express toll lanes are open between Renton to Bellevue. Updated information will be provided prior to beginning service.*

## Project timeline



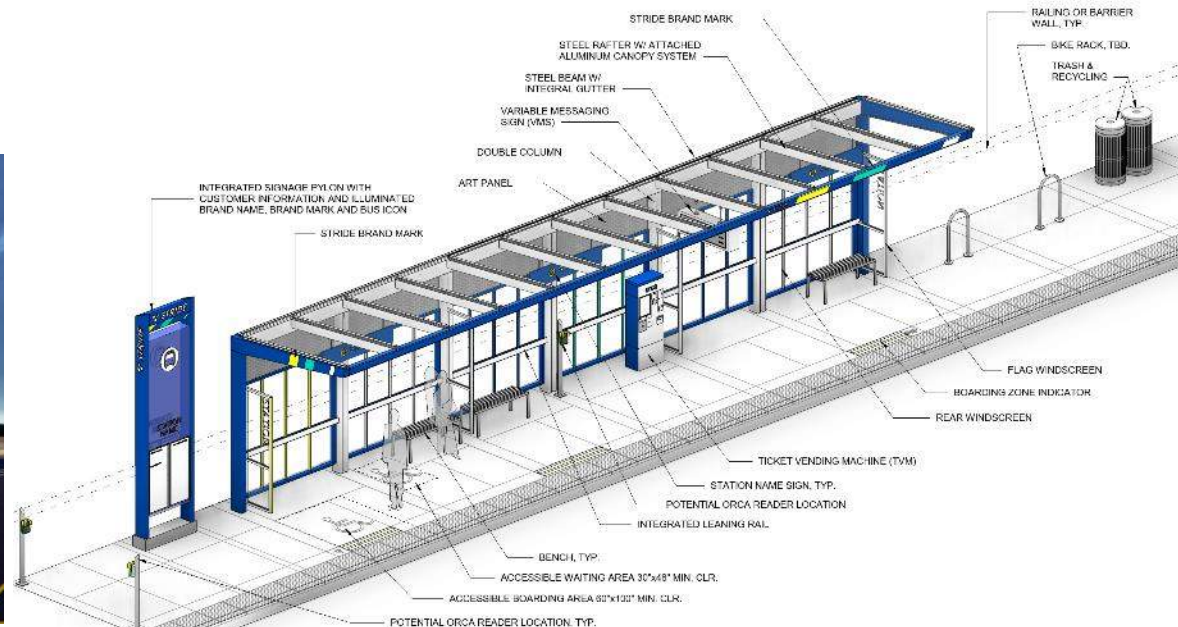
*\*Construction for most of the Stride BRT project is anticipated to begin by 2023 and be completed by 2025. Construction of some elements may begin before 2023, and others may occur after service starts in 2025.*

\*\* The Board of Directors is conducting a capital program realignment of project schedules to meet lower revenue levels caused by the COVID-19 pandemic. This project is part of the assessment and is experiencing COVID-19 related delays. During the realignment process only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown. As a result dates including Revenue Service Date will depend on Board direction from realignment process.

# BRT Stations



Phase 2 Station Night Rendering



Phase 2 Station Design Concept



# I-405/NE 85th Street Interchange and Inline BRT Station Project

## Project Description

- Constructs a three-level interchange with BRT station, direct access ramps, and local improvements.
- Builds an inline station to serve Sound Transit's BRT, and rebuilds local bus stops.
- Builds direct access ramps to the I-405 Express Toll Lanes (ETLs).
- Builds pedestrian and bike connections.
- Design-build project.

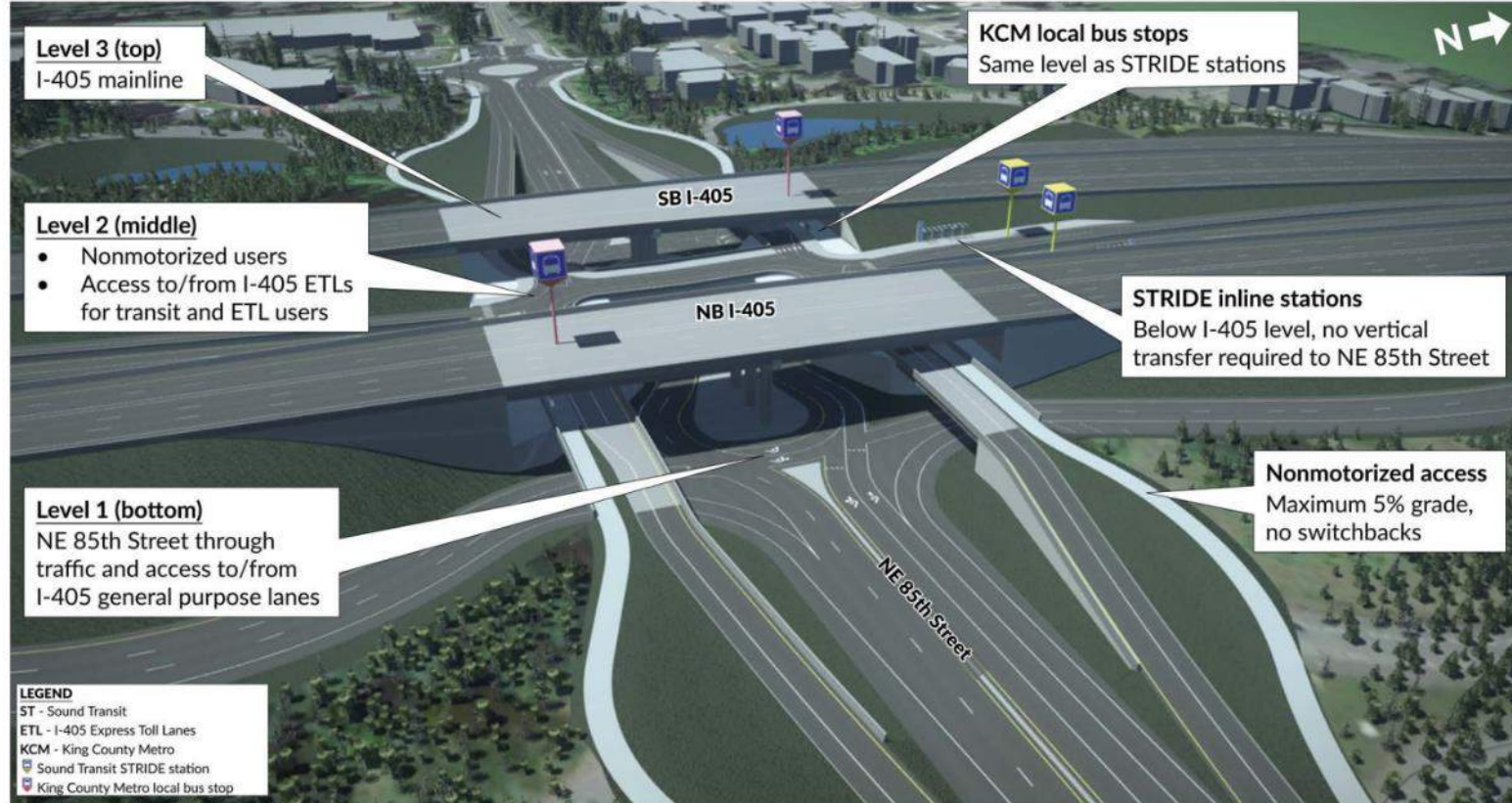


# Existing conditions: NE 85th Street vicinity





# Interchange and station design





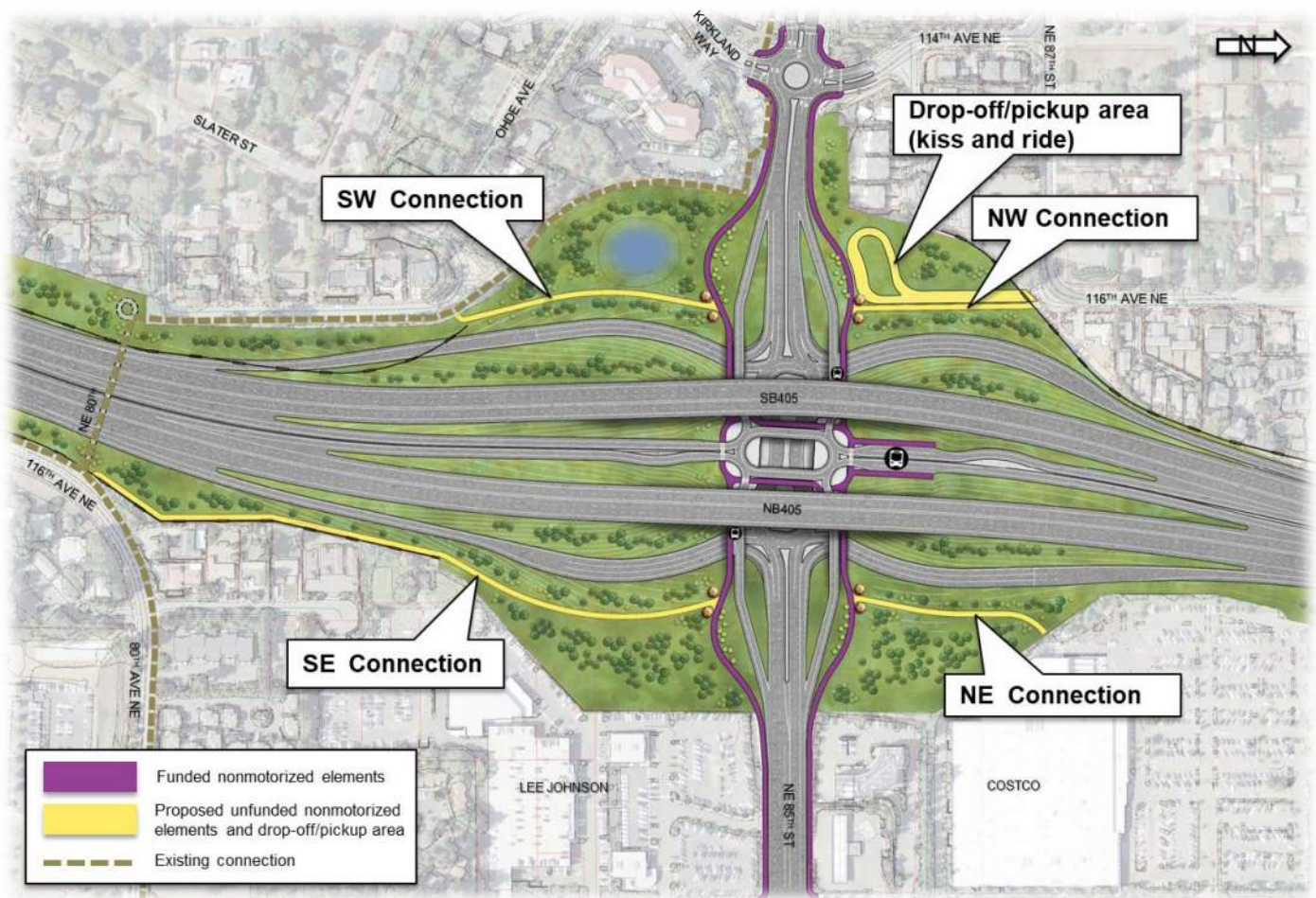
# Design 2019

## FUNDED ELEMENTS

- Multimodal facility
- Three-level interchange
- BRT station/Local bus stops
- Direct access ramps
- Local improvements
  - Arterial
  - Ped/bike connections (85<sup>th</sup>)

## UNFUNDED ELEMENTS

- 4 quadrant connections
- 1 pickup/drop-off facility



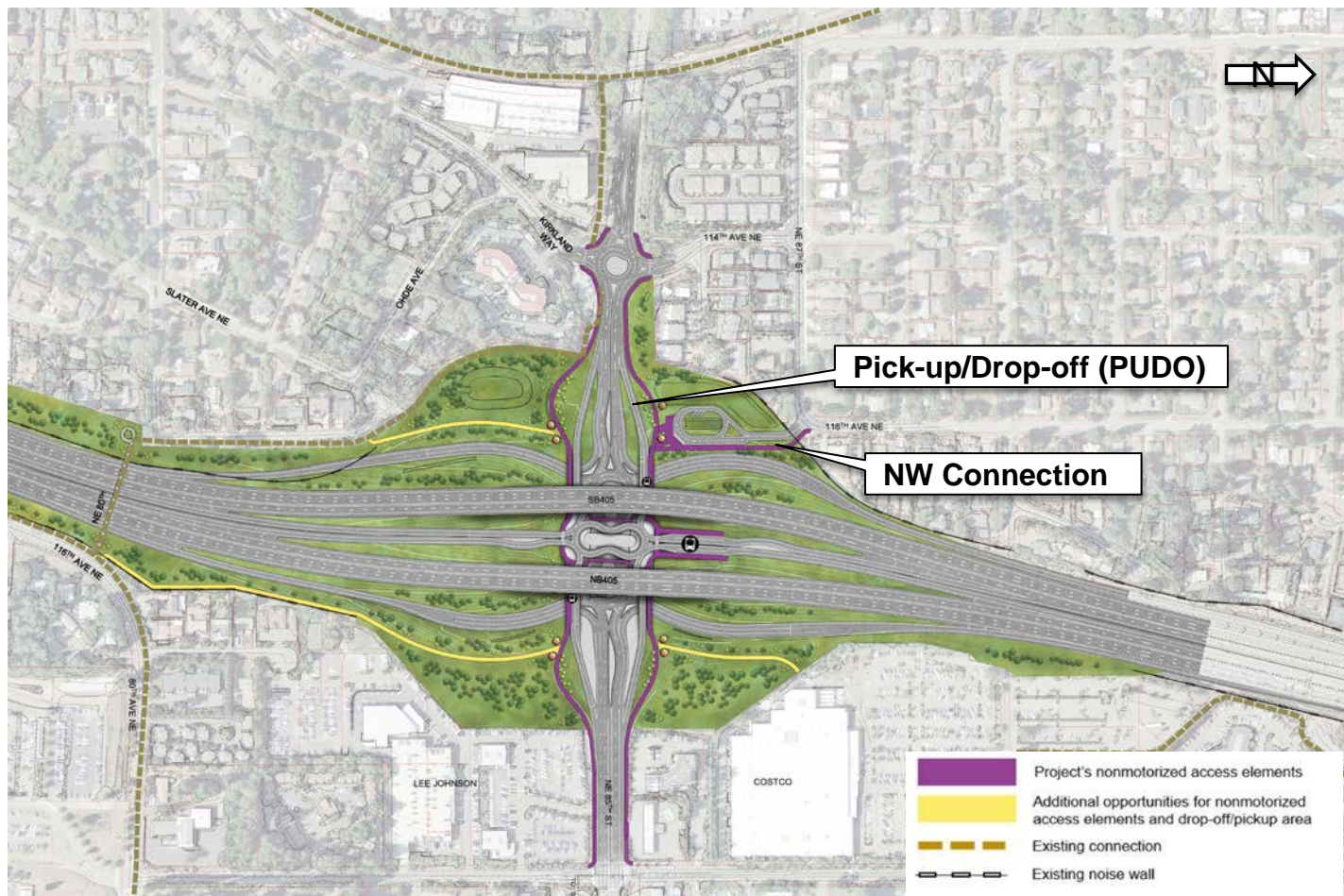
# Current Design

## FUNDED ELEMENTS

- Multimodal facility
- Three-level interchange
- BRT station/Local bus stops
- Direct access ramps
- Local improvements
  - Arterial
  - Ped/bike connections (85<sup>th</sup>)
  - 1 quadrant connection (NW)
  - 1 pickup/drop-off facility

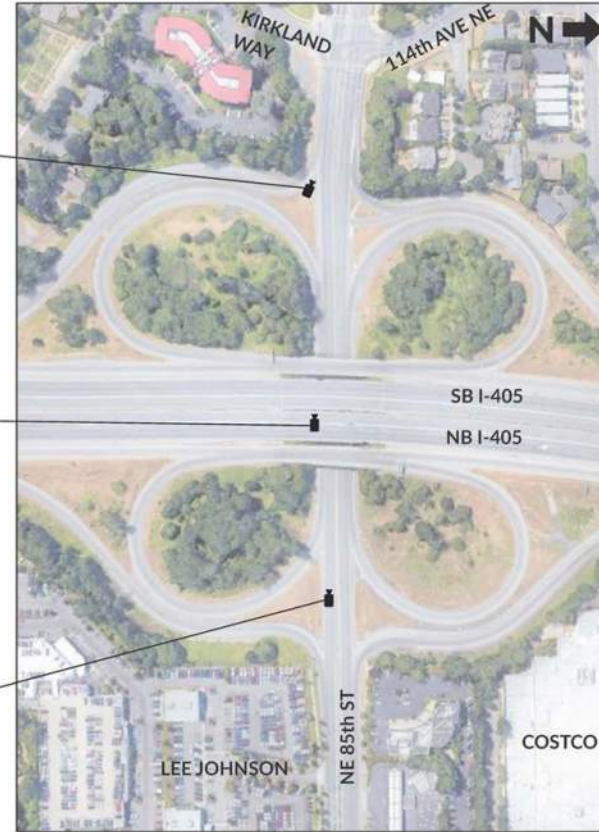
## UNFUNDED ELEMENTS

- 3 quadrant connections





# Existing infrastructure



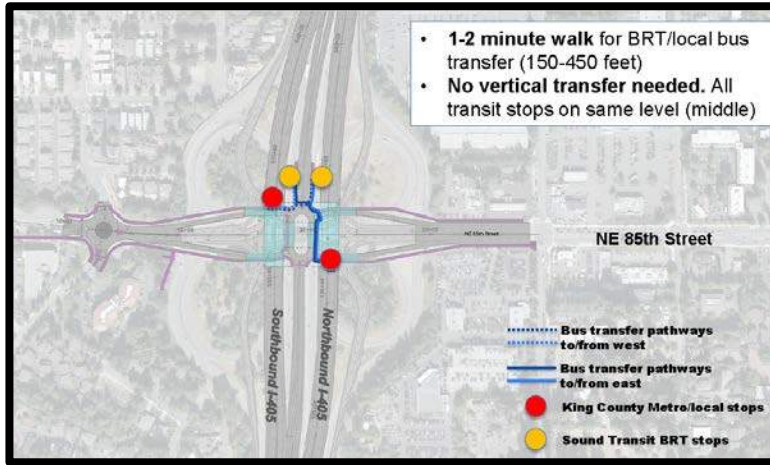
# Nonmotorized access connections





# Transit connections

- Both I-405 BRT STRIDE and local King County Metro (KCM) bus stops on same level.
- Convenient transfer environment with no vertical transfer to or from NE 85th Street.
- KCM's Rapid Ride K-Line will include a stop at NE 85th Street.



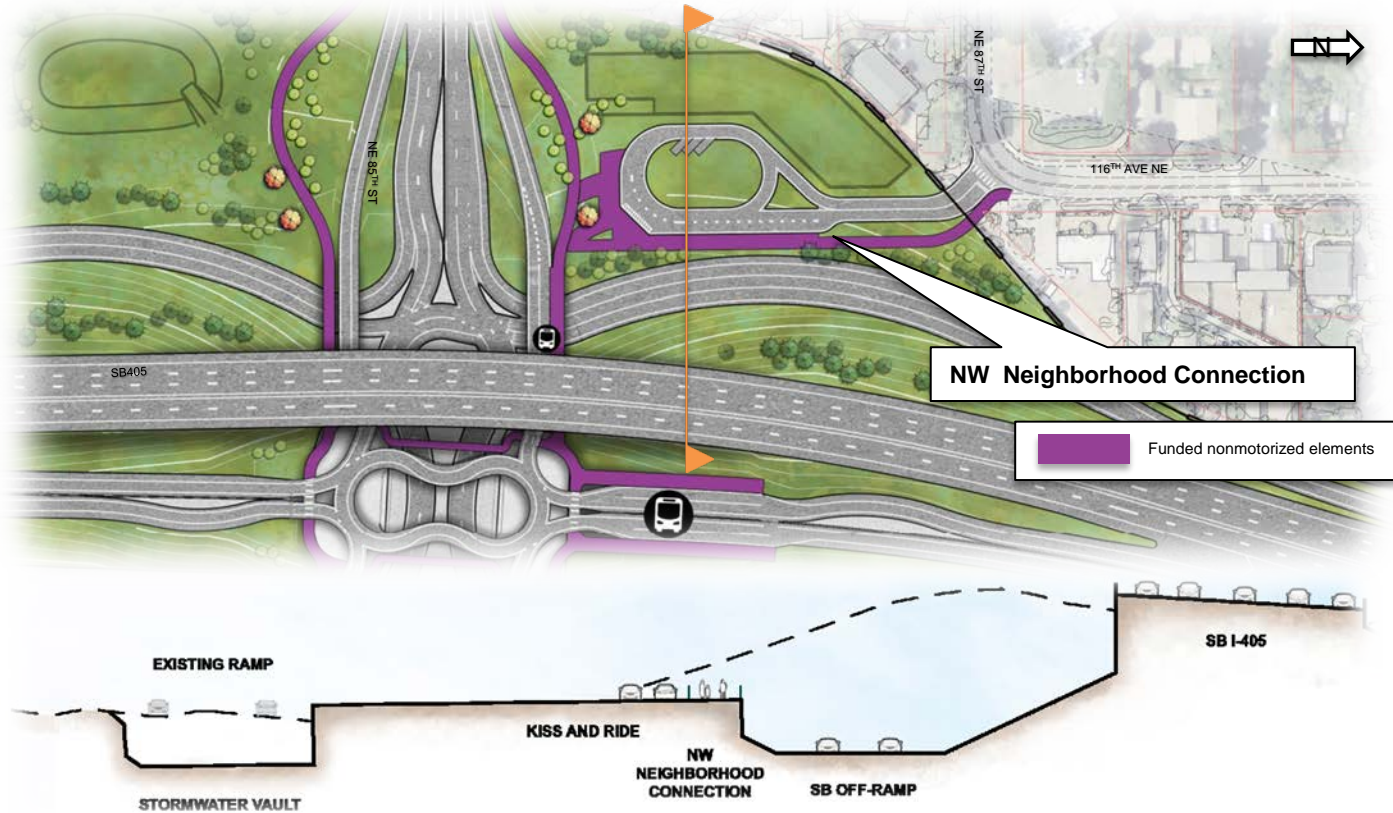
# Considerations for Pickup/Drop-off (PUDO) Facility

- Differences in quadrants
- Existing connections
  - Vehicular
  - Nonmotorized
- Missing connections
- Connection to CKC
- Proximity to BRT station
- Traffic and circulation patterns
- Access to/from
- ROW and other elements





# Northwest neighborhood connection-current



# Pickup/drop-off facility (NW quadrant)

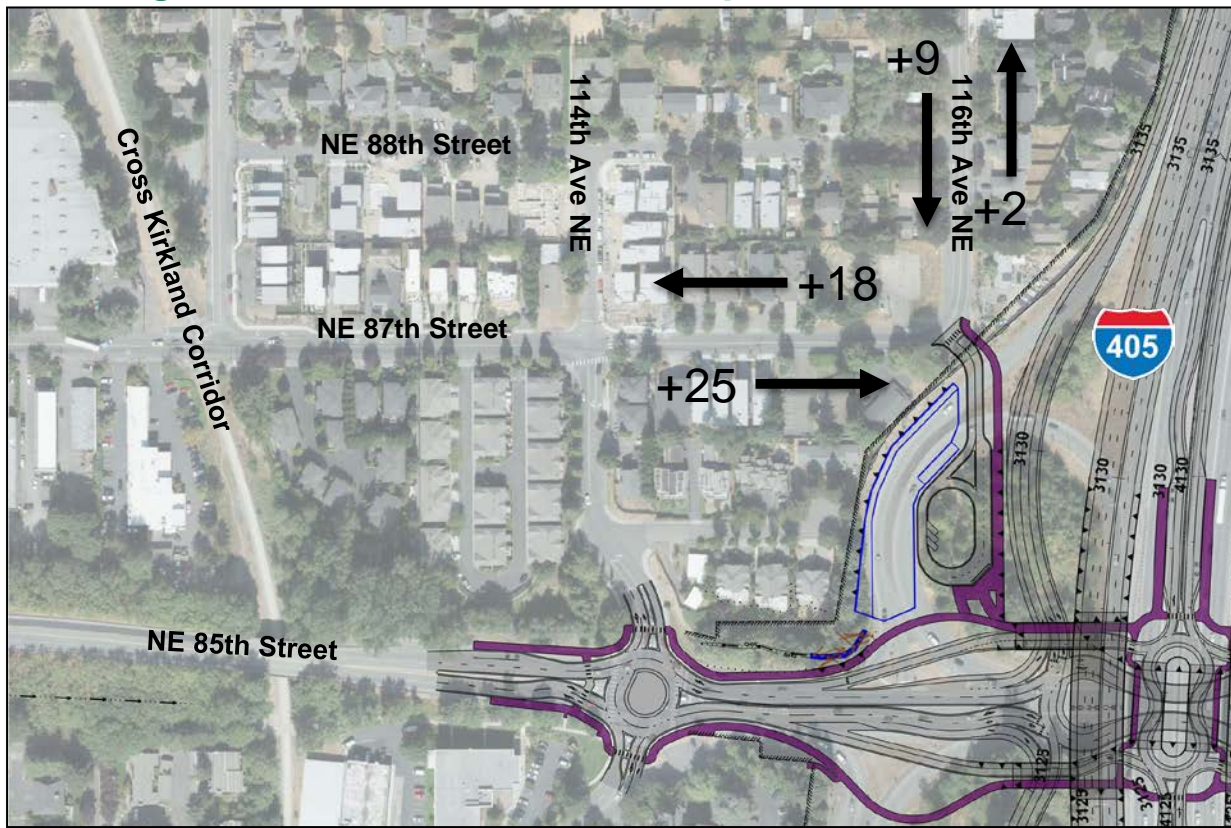


- Convenient access to CKC and downtown
- Direct (and shorter) access to bus stops
- A viable connection to NE 85<sup>th</sup> Street



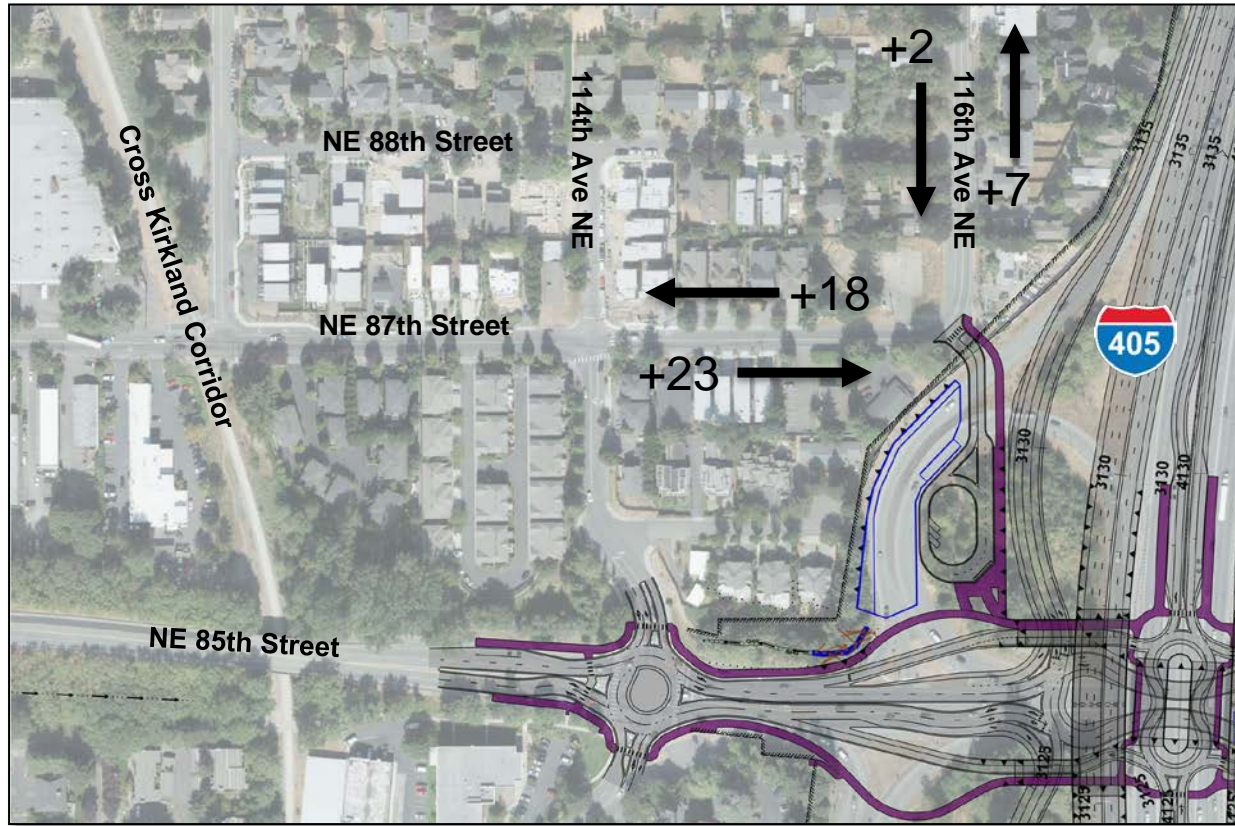
# Traffic analysis- 2025 AM peak hour

Additional peak  
hour trips due to  
the project



# Traffic analysis- 2025 PM peak hour

Additional peak  
hour trips due to  
the project



# Noise analysis process

- WSDOT conducts noise analysis following federal regulations from the Federal Highway Administration (FHWA)
- The noise analysis process includes:
  - Measuring current sound levels at different sites
  - Building and testing a noise model to simulate conditions
  - Determining reasonableness/feasibility



# Noise analysis results

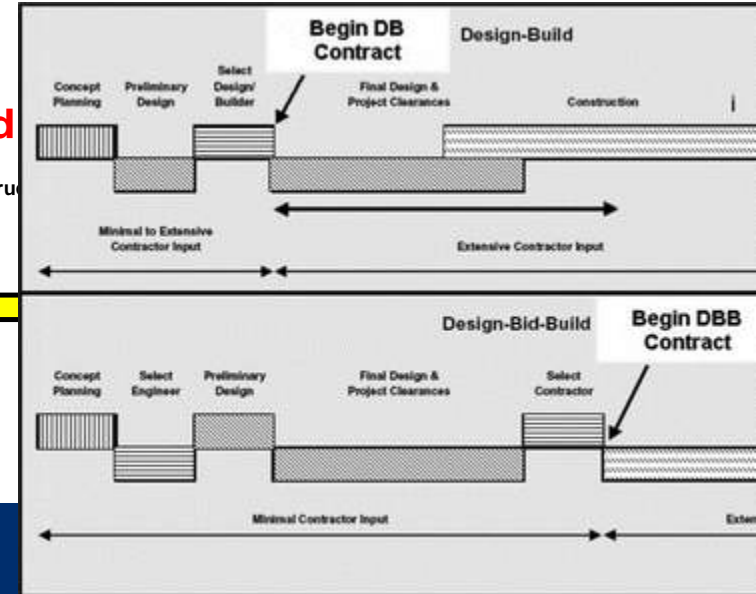
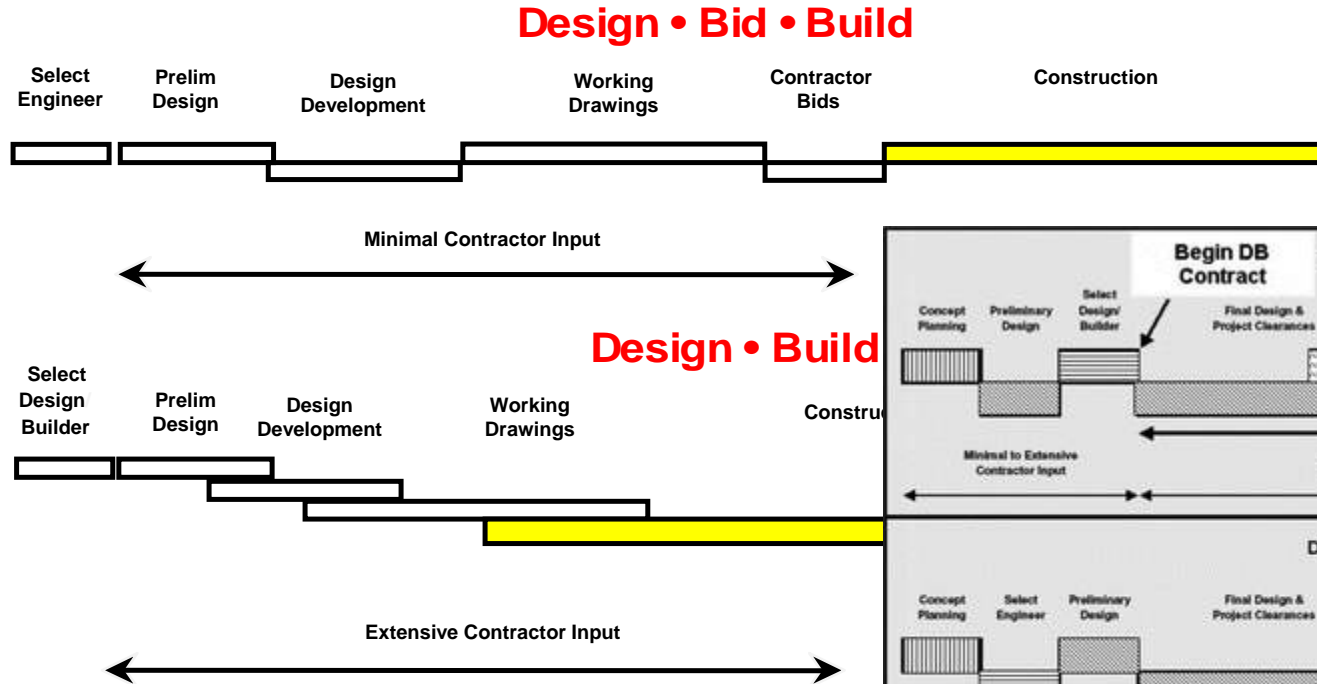




# Noise analysis results

- Noise levels are expected to increase for most of the sensitive receivers but are expected to decrease for some due to the reconfiguration of the interchange
- WSDOT evaluated adding a noise wall in the northwest quadrant, but it did not meet the reasonableness criteria

# Design-Build Time Savings



# Design-build process

- What is Design-Build?
- How is Design-Build different?
- What are the benefits of Design-Build?



# What to expect during construction

## **Staging:**

- Design-Builder will meet contract requirements
- Design-Builder will closely coordinate with WSDOT, City of Kirkland and public

## **Closures:**

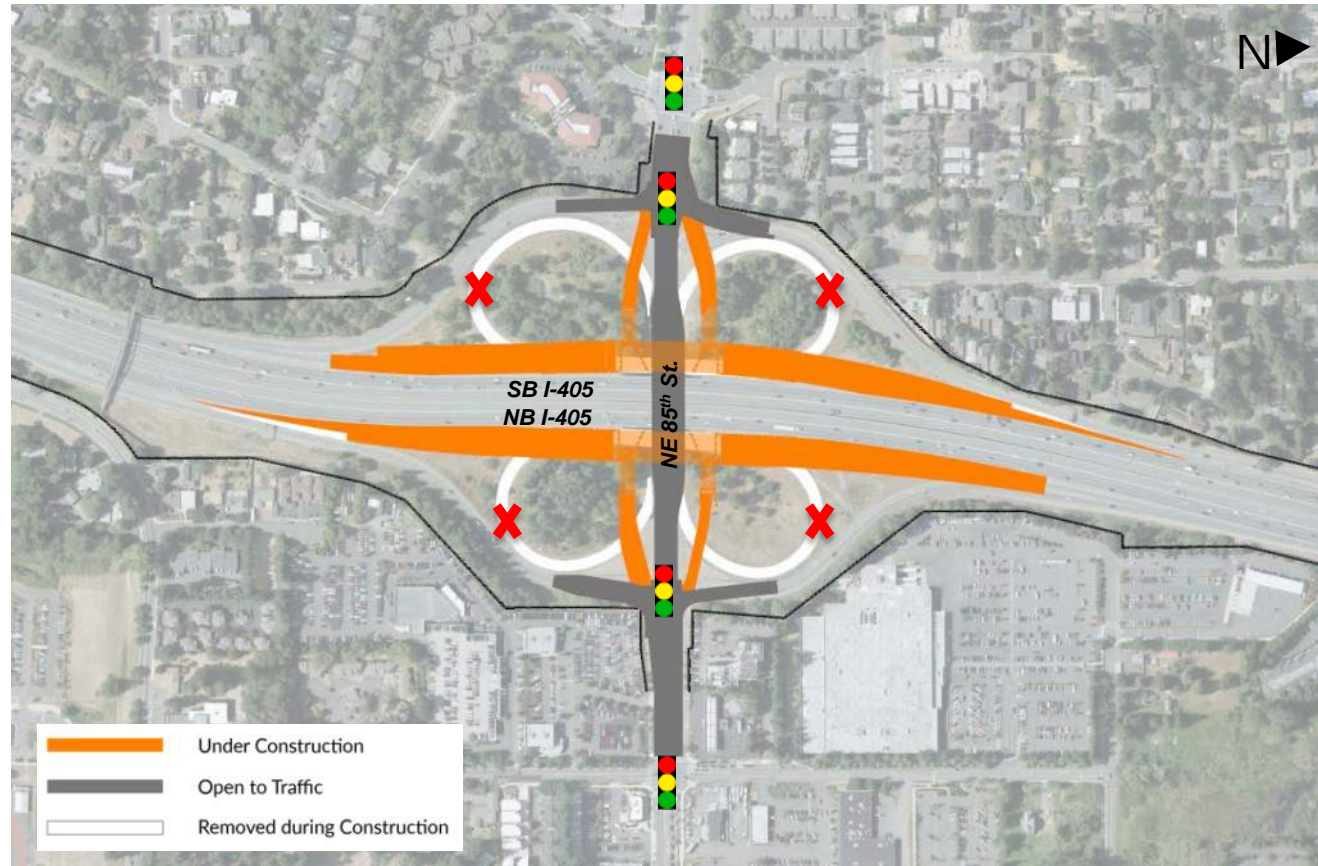
- Lanes will be maintained during daytime hours
- There will likely be some weekend full closures

## **Noise**

- Best Management Practices (BMPs) will be followed
  - Truck tailgate banging prohibited
  - Stationary equipment may use temporary noise shields
  - No idling vehicles allowed within and outside project



# Construction Stage 1



# Construction Stage 2



# Construction

## Final configuration





# Questions?

## **WSDOT I-405/SR 167 Program**

Mary MacKie

Public Information

425-456-8585

[I405SR167Program@wsdot.wa.gov](mailto:I405SR167Program@wsdot.wa.gov)

## **Sound Transit**

Ivonne Rivera-Martinez

I-405 Bus Rapid Transit

206-553-3412

[Ivonne.riveramartinez@soundtransit.org](mailto:Ivonne.riveramartinez@soundtransit.org)

Thank you.

*Thank you.*



 [soundtransit.org](https://soundtransit.org)

