



# *I-405 Bus Rapid Transit*

Elected Leadership Group Meeting #1  
April 25, 2018

# Agenda

- Welcome and introductions
- Public Comment
- Project Background and Overview
- Stakeholder Engagement Process
- ELG Charter and Next Steps



# *Public comment*





# *I-405 Bus Rapid Transit*

## *Project Background and Overview*

- I-405 Master Plan and Sound Transit Long Range Plan
- Connecting the Region
- BRT – Sound Transit's New Line of Service

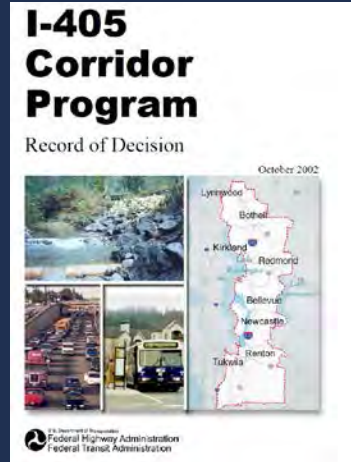
# History

## *I-405 BRT builds upon the I-405 Master Plan and the Sound Transit Long-Range Plan*

I-405 Master Plan adopted in 2002

- Improve personal and freight mobility and reduce foreseeable traffic congestion in the I-405 study area
- Identified a master list of potential projects, to be implemented incrementally when funds were secured
- Sound Transit and WSDOT were co-leads

**Identified BRT as the preferred high capacity transit (HCT) mode**



# *Infrastructure supporting BRT*

## Sound Transit has built:

- Lynnwood Transit Center, park & ride, direct access ramps
- Canyon Park pedestrian bridge
- Totem Lake freeway station
- Bellevue NE 6th direct access ramp

## WSDOT has built:

- Bellevue to Lynnwood express toll lanes
- Shoulder lane northbound SR 527 to I-5—peak period
- Transit-only shoulder lanes southbound between SR 527 and 195th, and between SR 522 and 160th—peak period

# Connecting the region

## LINK connections

### I-405 BRT

#### Redmond-Seattle-Lynnwood

Lynnwood City Center & Bellevue Downtown

#### Issaquah-Bellevue-South Kirkland

Bellevue Downtown

#### Everett-Seattle-West Seattle

Lynnwood City Center

#### Ballard-Tacoma

Tukwila International Boulevard Station

### SR 522 BRT

#### Redmond-Seattle-Lynnwood

Shoreline South/145th

#### Everett-Seattle-West Seattle

Shoreline South/145th





# *A new line of service*

- Opens in 2024
- Two corridors (I-405 and SR 522)
- Transit speed, reliability and access improvements
- BRT stations (signage, shelter, amenities)
- Parking facilities
- New BRT bus fleet
- Bus operations and maintenance facility
- Branding
- Rider information system



Example BRT – Community Transit *Swift*  
Source: Community Transit Blogspot



Example BRT – Minneapolis Metro A Line



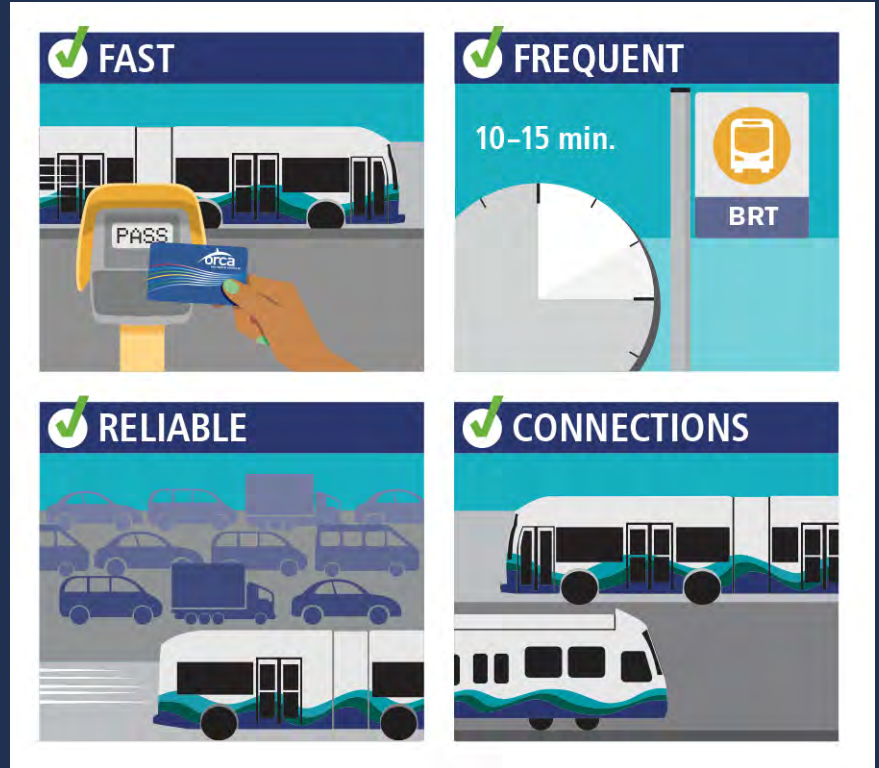
# *Characteristics of a BRT system*

- Speed, reliability and access
- Dedicated running ways, including managed lanes
- Dedicated and specialized vehicles
- Off-board fare collection
- Innovative station design
- Intelligent transportation systems (ITS)
- Operations (dwell and service times)
- Unique branding

# Fast, frequent, reliable service

*I-405 BRT infrastructure designed for fast, frequent and reliable service*

- 10-minute peak, 15-minute off-peak headways for I-405 BRT
- Up to 19 hours of service Monday through Saturday
- Up to 17 hours on Sunday



# I-405 BRT travel times

*Projected travel times upon opening with use of managed traffic lanes*





# *ST3 Representative Project*

*Begins running in 2024*

- Shares many features of light rail
- Service every 10-15 minutes
- Estimated 15,000-18,000 riders daily by 2040



# I-405 BRT

## Lynnwood to Burien

- Builds upon I-405 Corridor Master Plan
- Relies on managed lanes for transit speed and reliability
- Two segments with transfer in Bellevue
- Uses general purpose lanes from Lynnwood to Canyon Park
- Connects to SR 522 BRT at 195th Street near UW Bothell/Cascadia College
- Relies on express toll lanes from Bellevue to South Renton\*

\* included in WSDOT's Renton to Bellevue Widening and Express Toll Lanes Project



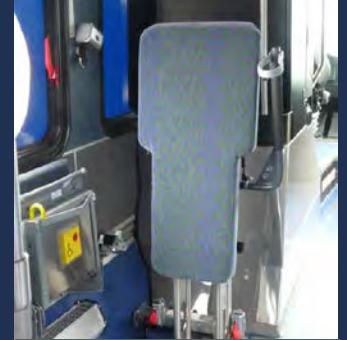
# Common elements

- Branding
- BRT fleet
- BRT station design
- Bus operations and maintenance facility

Example: Community Transit common elements



Onboard bike parking



Passive restraint ADA



Station design and branding



BRT dedicated fleet



Precision docking rub rails



Off-board fare

# *Bus operations & maintenance facility*

- Supports BRT program
- Accommodate 60 buses, 80 in future
- Coordination with ST Express bus base

## Project development activities

- Right-of-way and property acquisition
- Fieldwork/data collection

### Facility amenities

- ✓ Maintenance
- ✓ Offices and support areas
- ✓ Repair shop
- ✓ Parts storage
- ✓ Fuel, wash, service areas
- ✓ Bus operations, dispatching, and employee facilities
- ✓ Bus parking
- ✓ Employee and visitor parking
- ✓ 1 percent for art
- ✓ Illumination
- ✓ Landscaping

# *Vehicle propulsion and selection*

- Early scan potential propulsion technologies
- Current status of BEB production in the US
- Maintenance base considerations
- Compare both BRT corridors suitability for electric bus operations



King County Metro

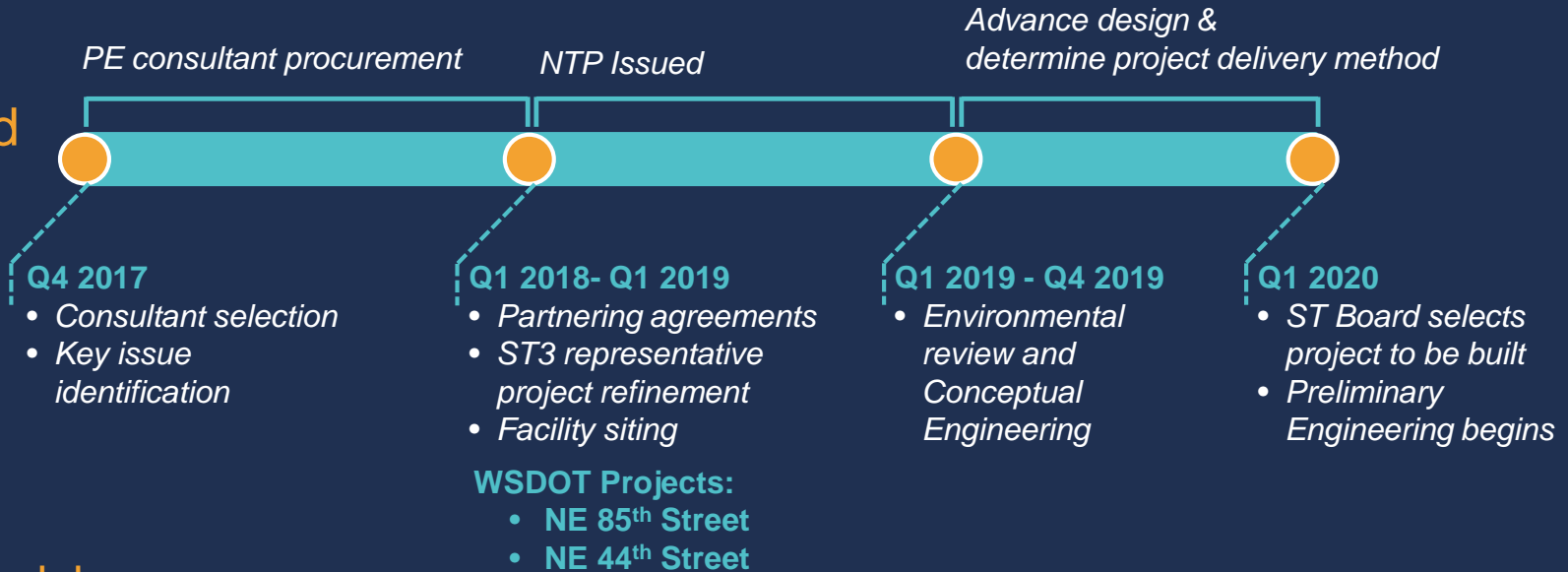




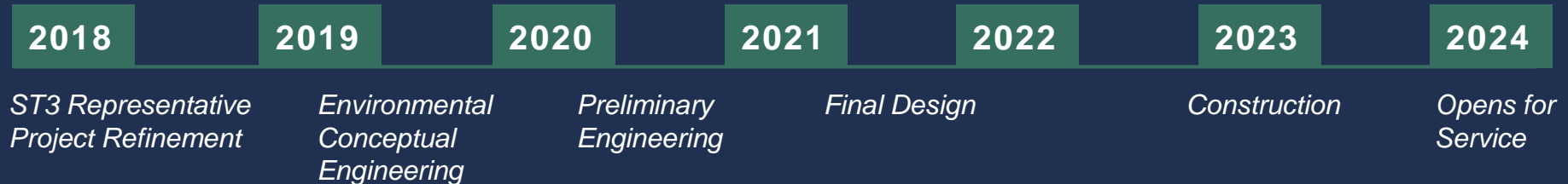
# *Schedule and milestones*

# I-405 BRT project schedule

24-month  
look-ahead

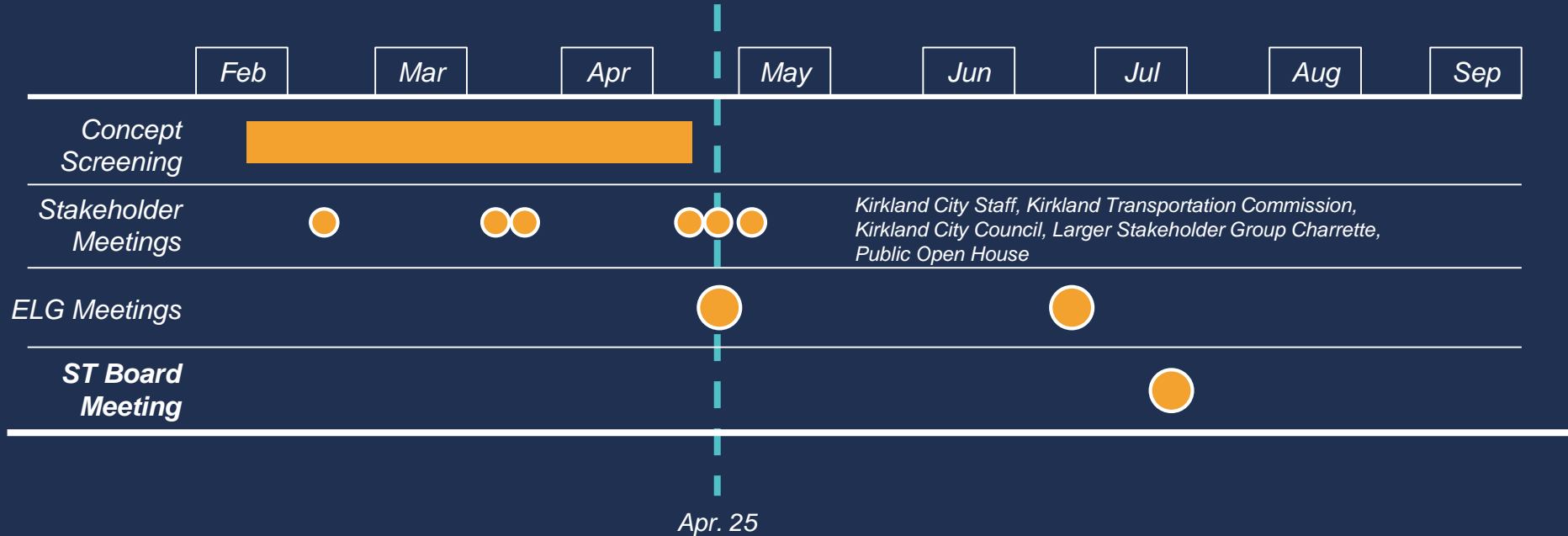


Overall schedule



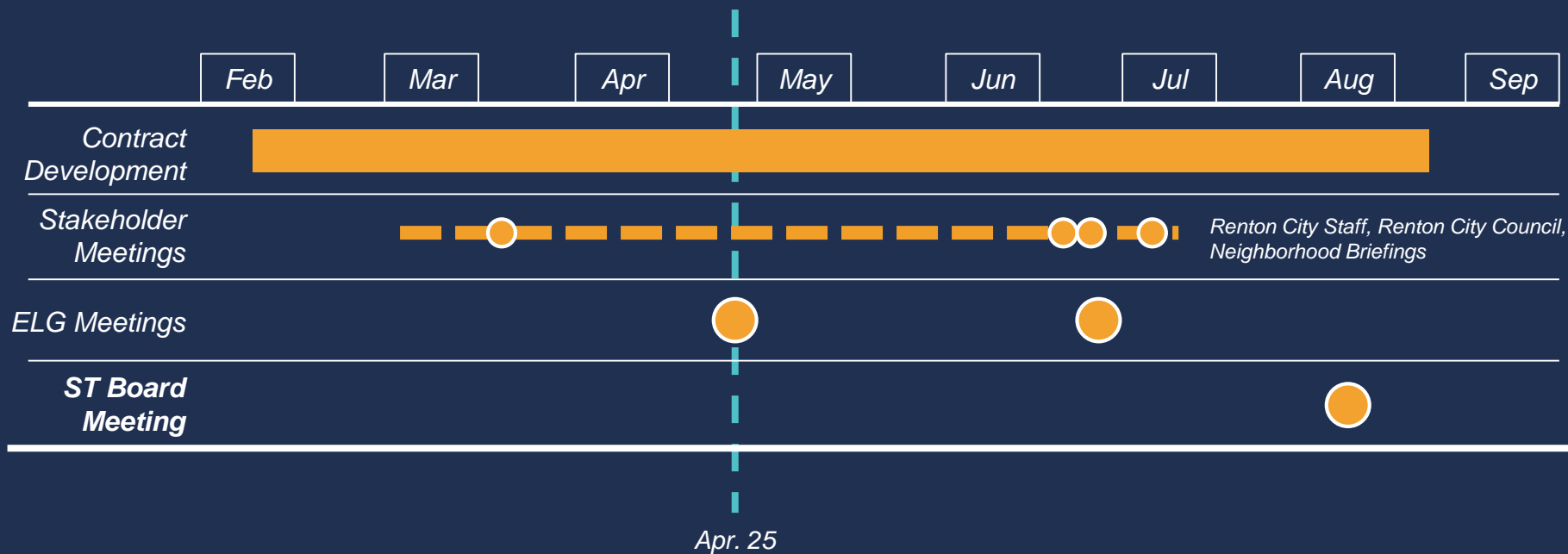
# Projects with WSDOT: NE 85<sup>th</sup> St

NE 85<sup>th</sup> Street (2018) – City of Kirkland:



# Projects with WSDOT: NE 44<sup>th</sup> St

NE 44<sup>th</sup> Street (2018) – City of Renton:







# *Stakeholder engagement process*

# *Collaborative process*

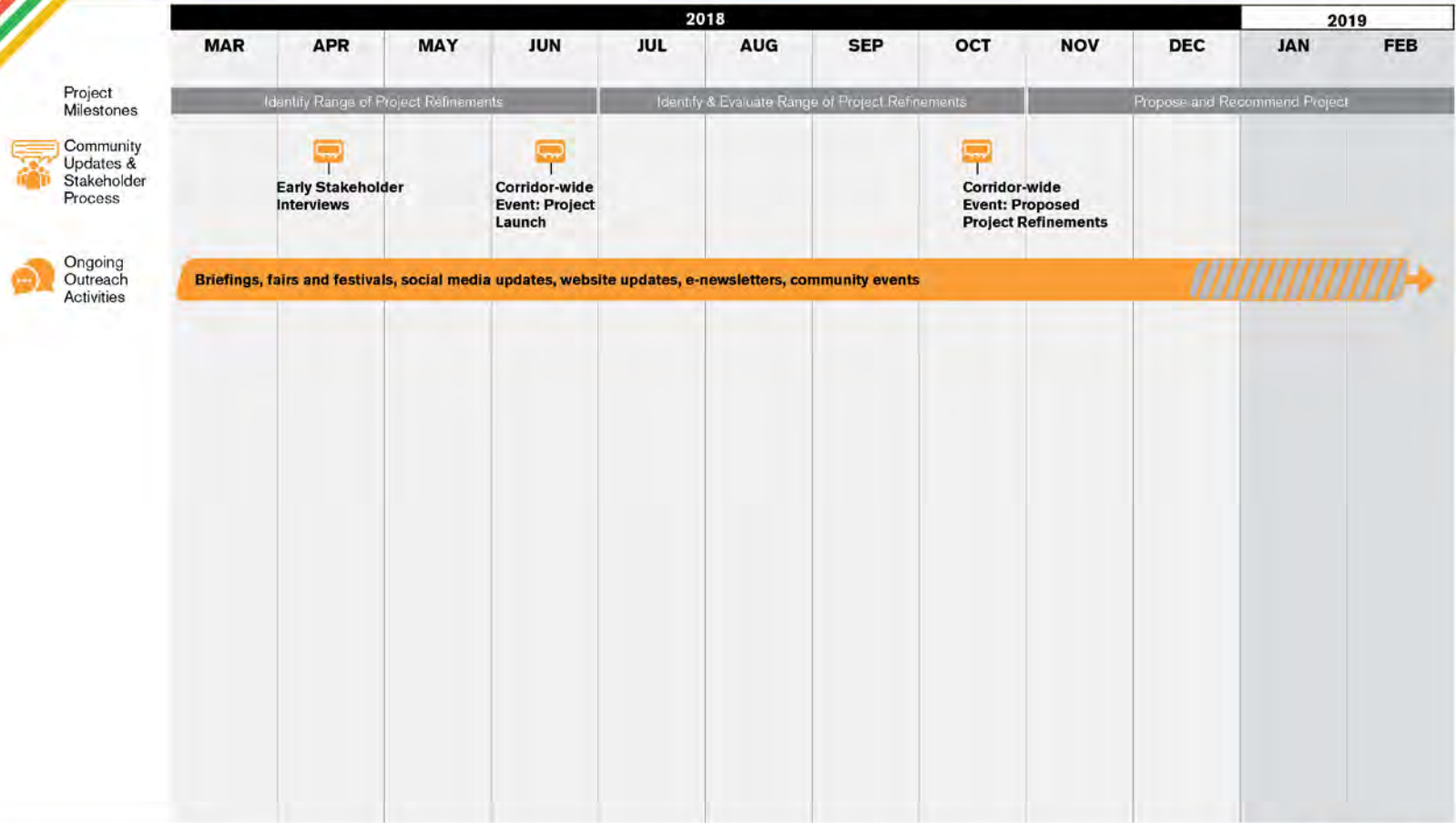
- Elected leadership group
- Interagency group
- Stakeholder involvement
- Pursue local agreements
  - Streamline permitting
  - Land use approvals







# I-405 Bus Rapid Transit

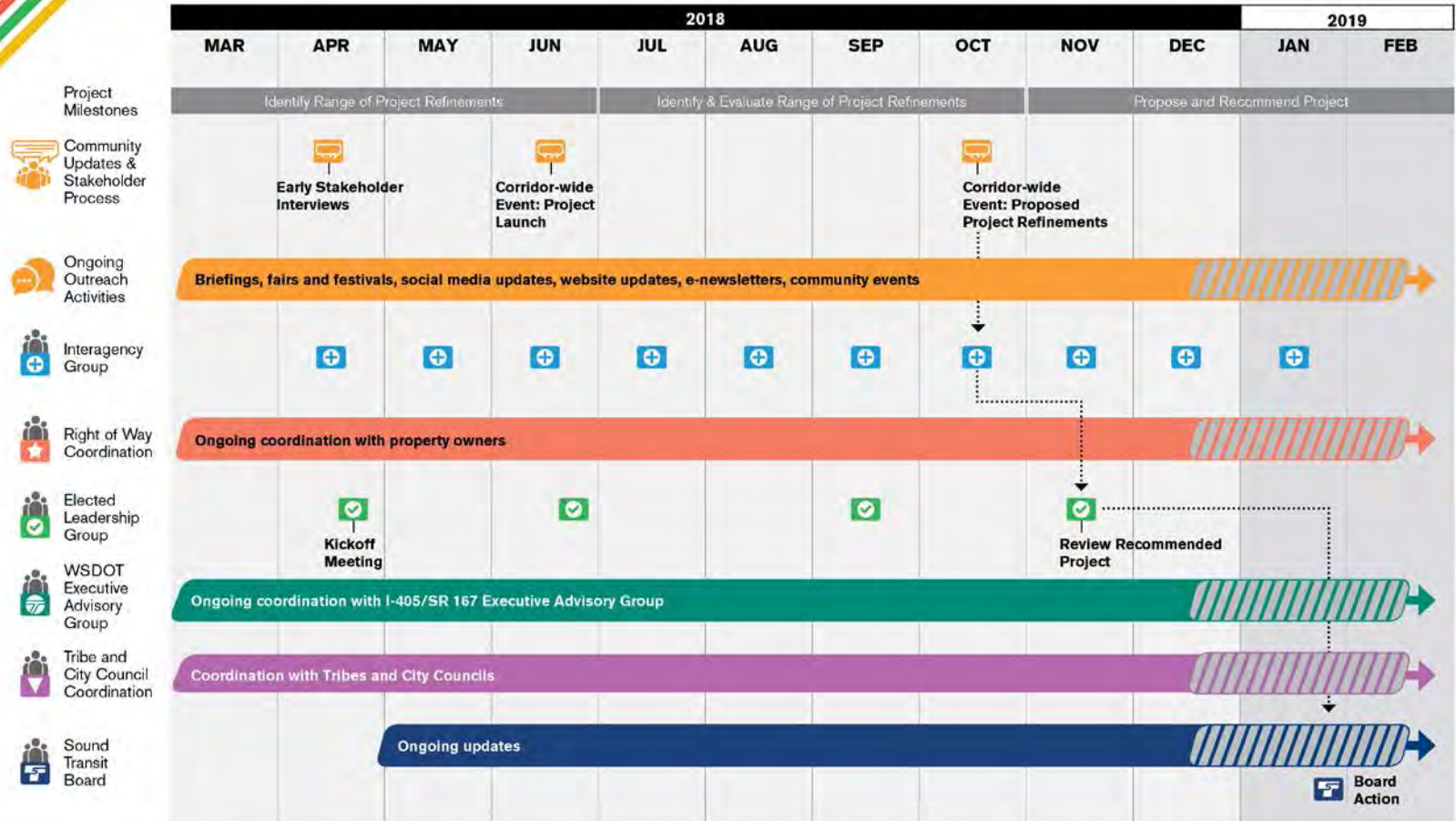






# I-405 Bus Rapid Transit

## Community Engagement and Collaboration Process



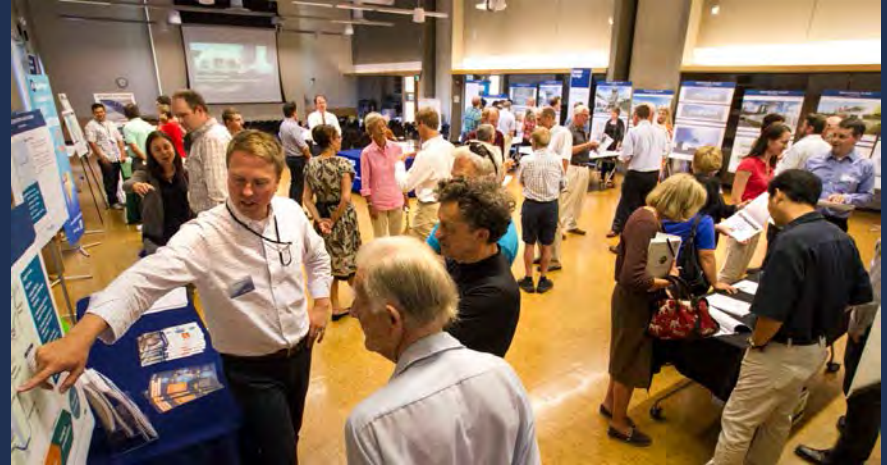


# Stakeholder Interviews

- Interviews with stakeholders (businesses, residents, community organizations) along the project corridor
- Intended to inform the project Communications and Community Engagement Plan

## How you can help:

- You know your communities better than we do.
- Who should we interview?
- What are some tools/techniques we should consider in our engagement strategy?



# ***ELG charter***

# *Next Steps*

## June 2018 – Next I-405 ELG Meeting

- NE 85<sup>th</sup> Street In-line Station and Interchange - Kirkland  
(Partnership with WSDOT)
- NE 44<sup>th</sup> Street In-line Station and Interchange – Renton  
(Partnership with WSDOT)
- Corridor-wide public meetings in June

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