

# *Tacoma Dome Link Extension*

*Sound Transit Board of Directors Meeting*

*4/25/2019*

# *Why we are here*

- Update on Tacoma Dome Link Extension
- Summary of Level 2 technical results
- Project is currently in a scoping period
- Today's presentation: to inform a future decision for a Preferred Alternative and others EIS alternatives



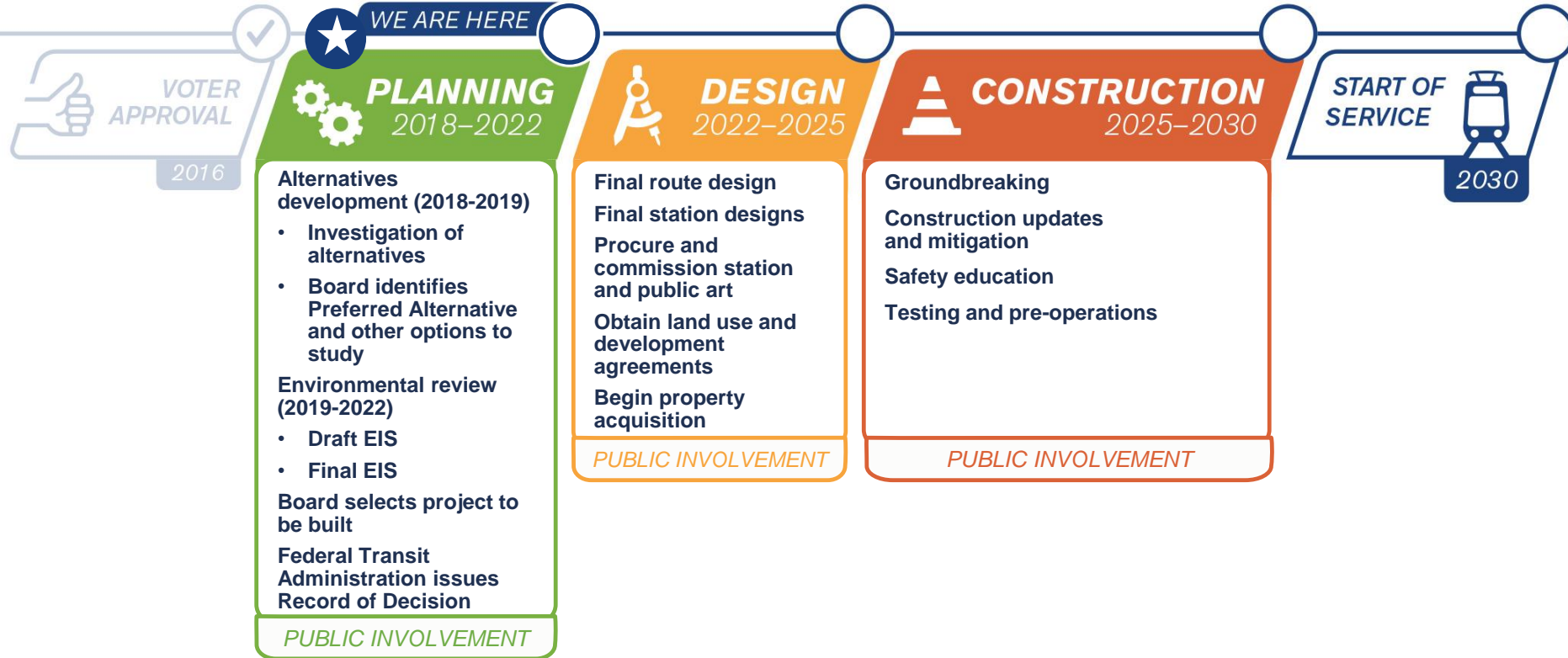
# Tacoma Dome Link Extension (TDLE)

## Federal Way Transit Center to Tacoma Dome

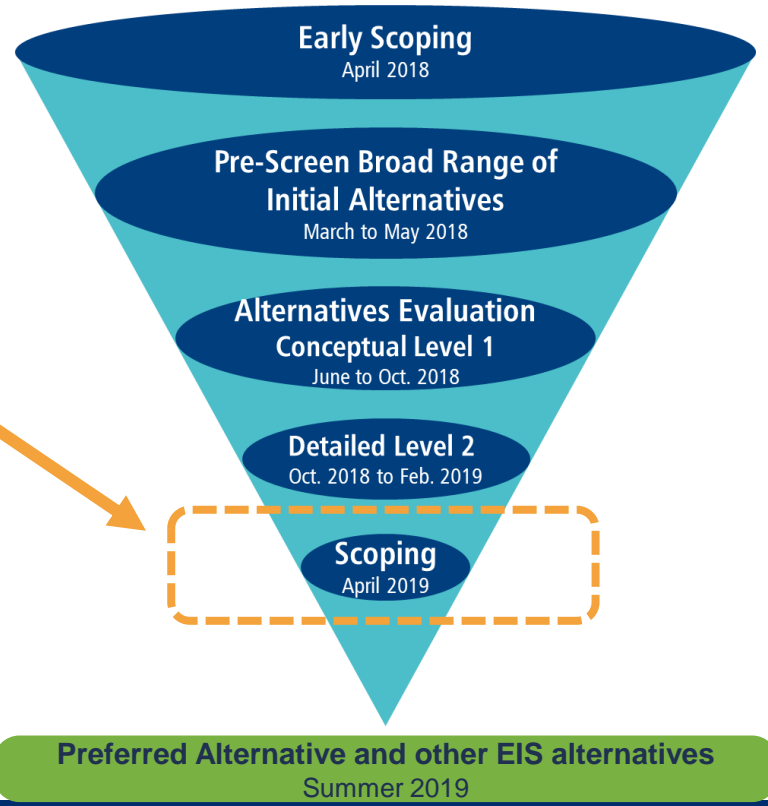
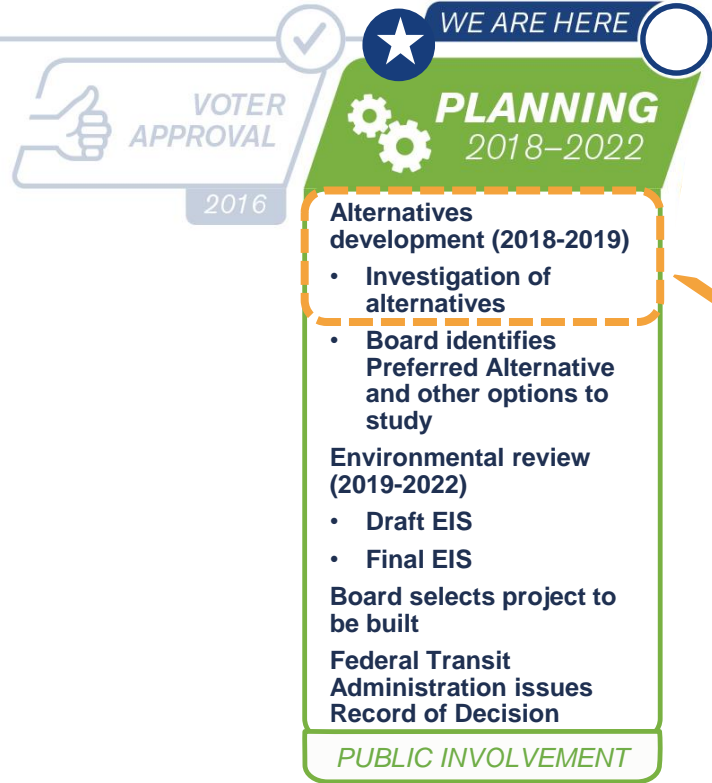
- Length: 9.7 miles
- Stations: 4 (2 parking garages)
- Scheduled opening in 2030

***TDLE alternatives  
development process***

# Project timeline



# Alternatives development process



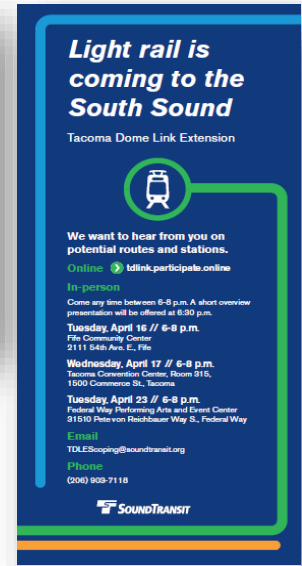
# EIS Scoping

- Start of federal environmental review process
- 30-day public comment period, **April 1-May 1**
- **Seeking feedback** on scope of EIS
  - Preferred alternative and other alternatives for further study
  - Topics to study (e.g. economics, displacements, ecosystems)
  - Project purpose and need
- **Informs Board decision** on what to study in EIS

# Outreach overview

## Scoping period: April 1-May 1

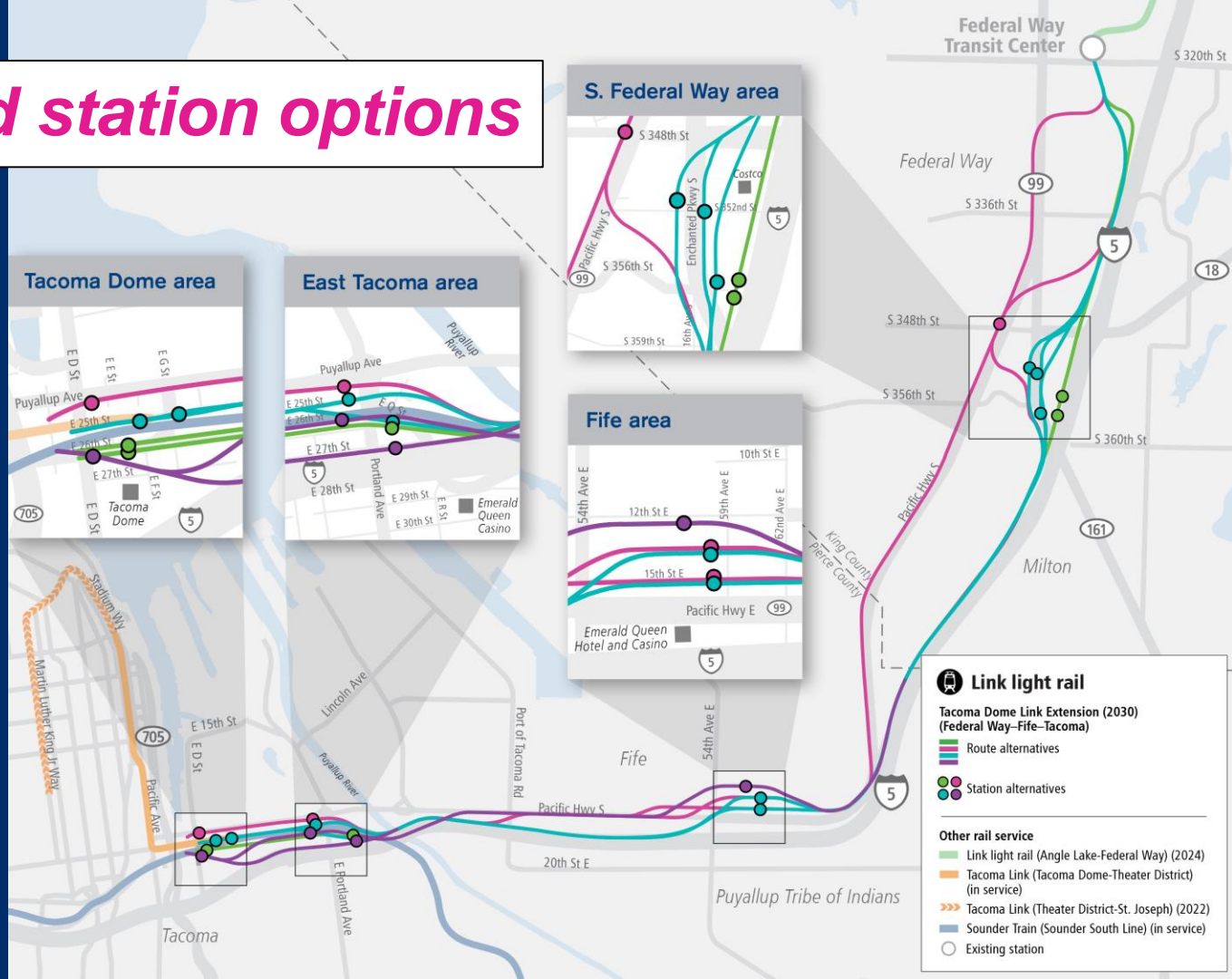
- Online open house (4 weeks)
- 3 public meetings
  - April 16: Fife Community Center
  - April 17: Tacoma Convention Center
  - April 23: Federal Way Performing Arts & Events Center
- Targeted briefings





***EIS Scoping:  
TDLE Level 2  
alternatives evaluation***

# Route and station options



# Evaluation criteria



➤ *Effective transportation solutions*



➤ *Land use and economic development and Transit-Oriented Development (TOD)*



➤ *Preserve the environment*



➤ *Equitable mobility*



➤ *Financially sustainable and constructible*

# Level 2 Evaluation Results

## ➤ Summary tables

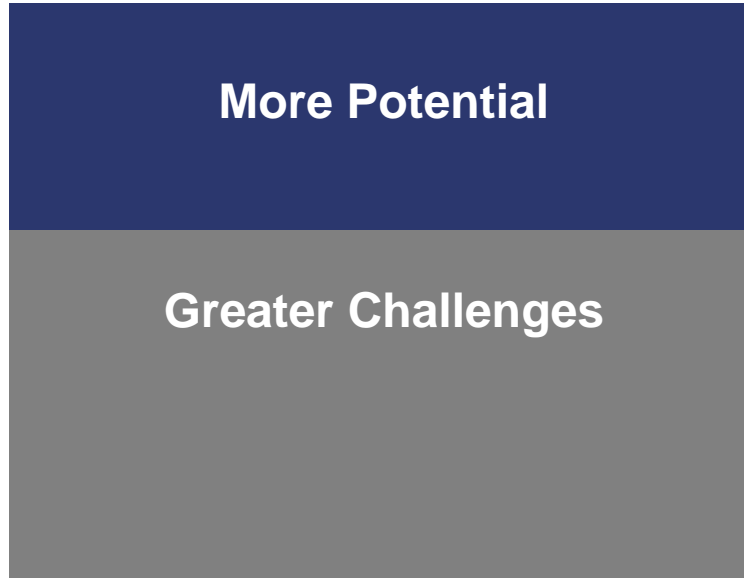
## ➤ Detailed matrices

Measure	Methodology	Enchanted Parkway SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	
<p><b>Objective: Provide Effective Transportation Solutions to meet Mobility, Access, and Capacity Needs</b></p>			
1. Access to transit	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
2. Safe and well-served transit	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
3. Proportion station boardings	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
<p><b>Objective: Support Sustainable Land Use Plans, Transit-Oriented Development, and Multimodal Station Access</b></p>			
4. Access to Regional Center	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
5. Support commercial and job growth	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
6. Consistency with local and community plans	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
7. Support transit-oriented development	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st
8. Stationed accessibility	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	Assess level of transit service provided for each station by transit agency. SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st

	Enchanted Parkway SF 2 West Enchanted SF 2 East Enchanted SF 3 Enchanted SF 4 SR 99 North SF 4B SR 99 North SF 4C SR 99 North SF 4D SR 99 North SF 8 1-505/6th SF 9 1-51st	SR 99 to I-5	SR 99	I-5 to SR 99	I-5 to SR 99 to I-5	I-5 West
<p><b>Measures</b></p>						
<p><b>Objective: Provide Effective Transportation Solutions to Meet Mobility, Access, and Capacity Needs</b></p>						
L2.2, L2.3 Projected ridership and station boardings	Moderate	Moderate	Moderate	High	High	High
L2.7 Likelihood of station redevelopment into transit-oriented neighborhood	Greater	Moderate	Moderate	Greater	Greater	Greater
L2.9 Presence of amenities that can catalyze development of transit-oriented neighborhoods	Greatest amenities	Greater amenities	Moderate amenities	Greatest amenities	Greatest amenities	Moderate amenities
L2.10 Proximity to other transit facilities and services	445 ft to nearest bus stop	270 ft to nearest bus stop	285 ft to nearest bus stop	209 ft to nearest bus stop	209 ft to nearest bus stop	200 ft to nearest bus stop
L2.11 Ease of vehicular pick-up/drop-off for a variety of users	Lower access	Moderate access	Higher access	Lower access	Lower access	Higher access
L2.12, L2.13 Pedestrian and bicycle accessibility	Moderate to High	Moderate to High	Moderate to High	Low to High	Low to High	Moderate to High
<p><b>Objective: Preserve the Environment</b></p>						
L2.14, L2.15, L2.17 Potential impacts to ecosystems	Moderate	Moderate	Moderate	Lower	Higher	Higher
L2.20 Estimated number of potential affected parcels	35-40 acquisitions	30-35 acquisitions	48-45 acquisitions	80-85 acquisitions	95-100 acquisitions	70-75 acquisitions
L2.21 Estimated number of potential affected acres with major economic activity generators	Moderate	Moderate	Moderate	Highest	Highest	Higher
L2.22 Estimated number of potential displacements by property type	169-175 residential, 25-25 commercial	96-95 residential, 25-25 commercial	94-95 residential, 25-25 commercial	128-125 residential, 45-58 commercial	110-115 residential, 45-50 commercial	168-165 residential, 15-41 commercial
L2.25, L2.26 Potential impacts to historic, cultural, or archaeological resources	1 potential historic resource, 1 historic resource	1 potential historic resource, 1 historic resource	1 potential historic resource, 1 historic resource	13 potential historic resources, 1 historic resource	8 historic, 13 potential historic resources, 1 historic resource	2 potential historic resources, 1 historic resource
<p><b>Objective: Provide a Financially Sustainable and Constructible Project</b></p>						
L2.35 Capital costs (2018)	Consing 100M	Consing 100M	Consing 100M	Consing 100M	Consing 100M	Consing 100M
L2.39 Unique construction	Greater potential	Moderate potential	Moderate potential	Greatest potential	Greatest potential	Greater potential

# *Initial grouping of alternatives based on latest technical analysis*

*All  
Alternatives*



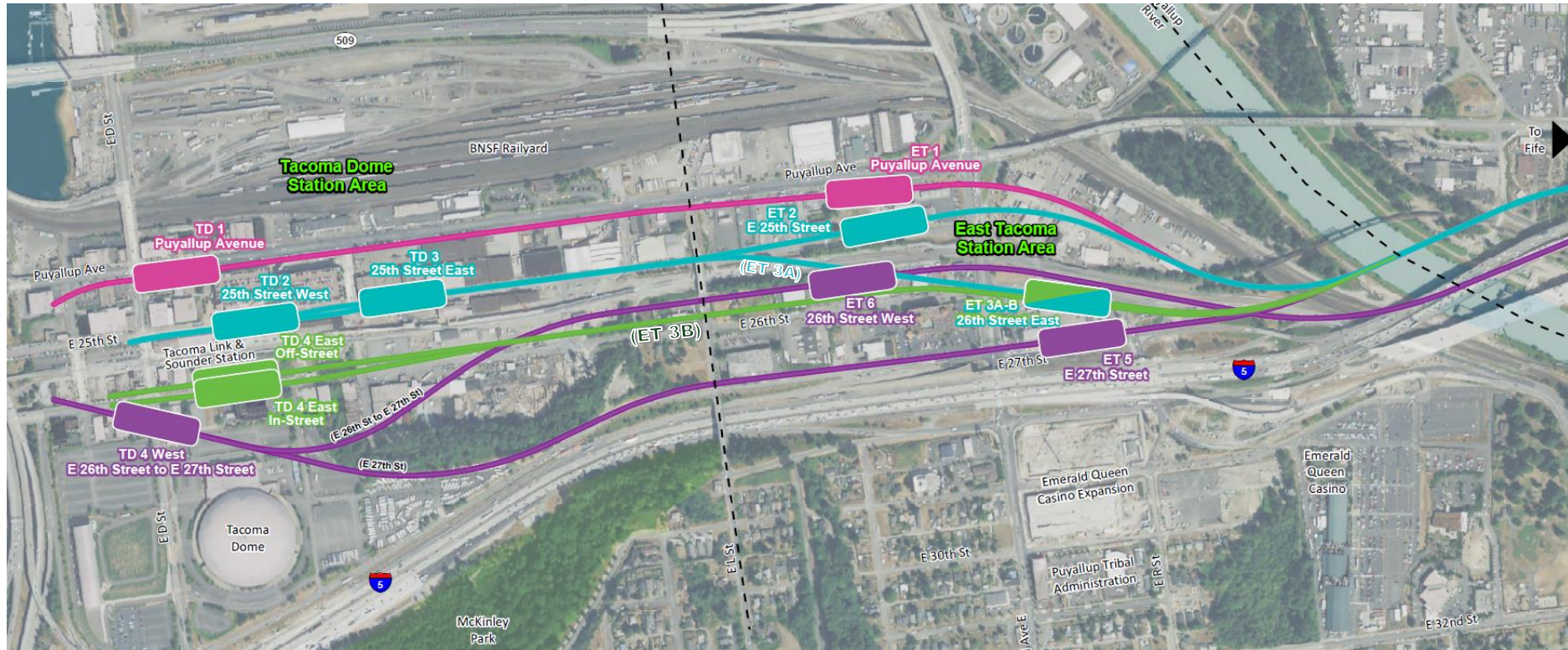
- › No decisions made
- › Alternatives compared to others in that station area

# Notable advantages & disadvantages

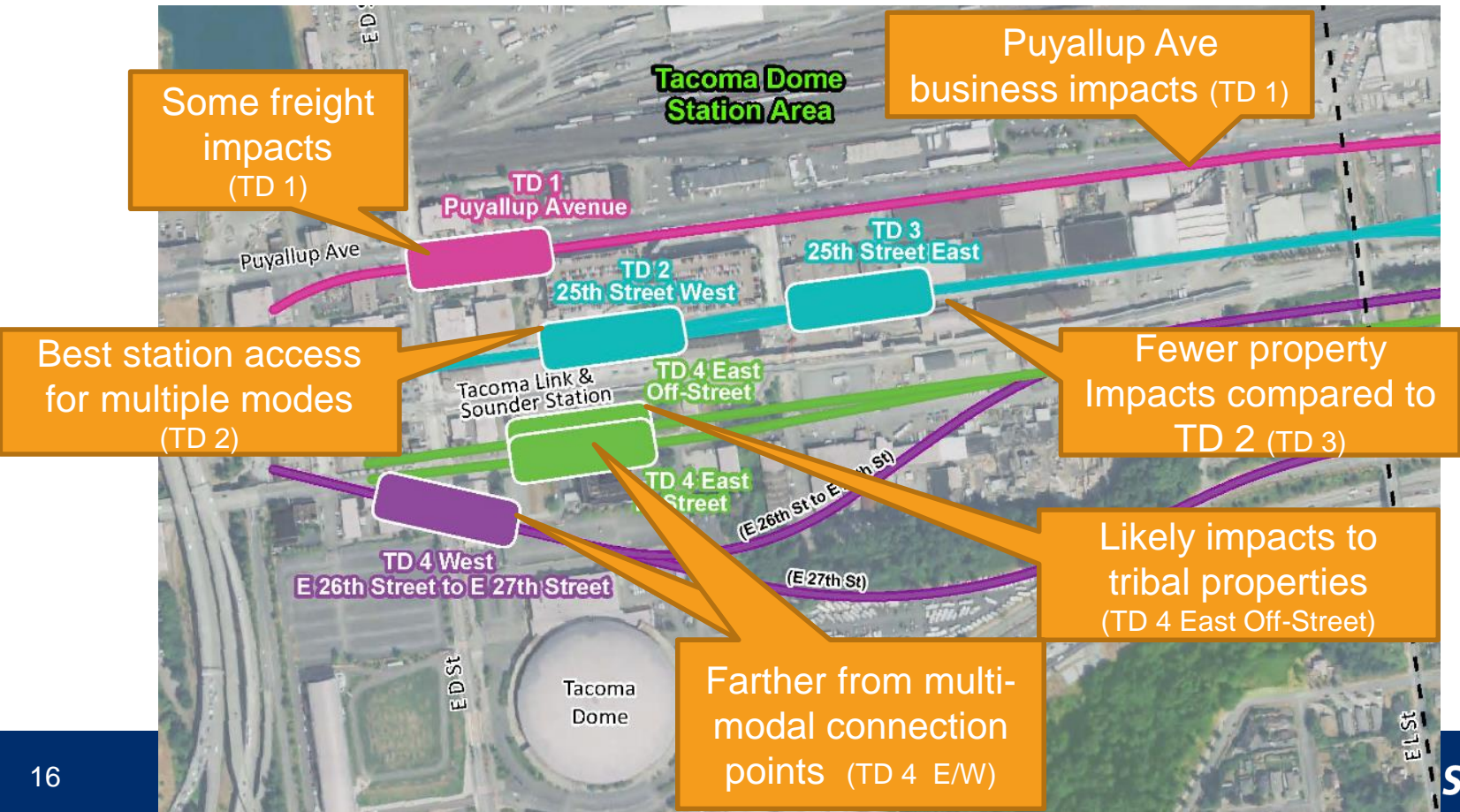
Alternatives	Technical Analysis	Public Feedback	SG Feedback	ELG Recommendation
<b>Alternatives with <u>MORE POTENTIAL</u></b>				
<b>TD 2</b> 25th Street West	<b>Notable Advantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul> <b>Notable Disadvantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul>			
<b>TD 3</b> 25th Street East	<b>Notable Advantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul> <b>Notable Disadvantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul>	Scoping period	SG meeting: mid-May	ELG meetings: late May, early June
<b>Alternatives with <u>GREATER CHALLENGES</u></b>				
<b>TD 1</b> Puyallup Avenue	<b>Notable Advantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul> <b>Notable Disadvantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul>			
<b>TD 4</b> East off-street E 26th Street	<b>Notable Advantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul> <b>Notable Disadvantages:</b> <ul style="list-style-type: none"> <li>Key takeaway</li> </ul>			

- › Technical analysis first step in evaluation
- › Also include summary of scoping feedback, Stakeholder Group feedback, & Elected Leadership Group recommendation
- › Results provided to FTA and ST Board

# Tacoma Dome and East Tacoma station areas

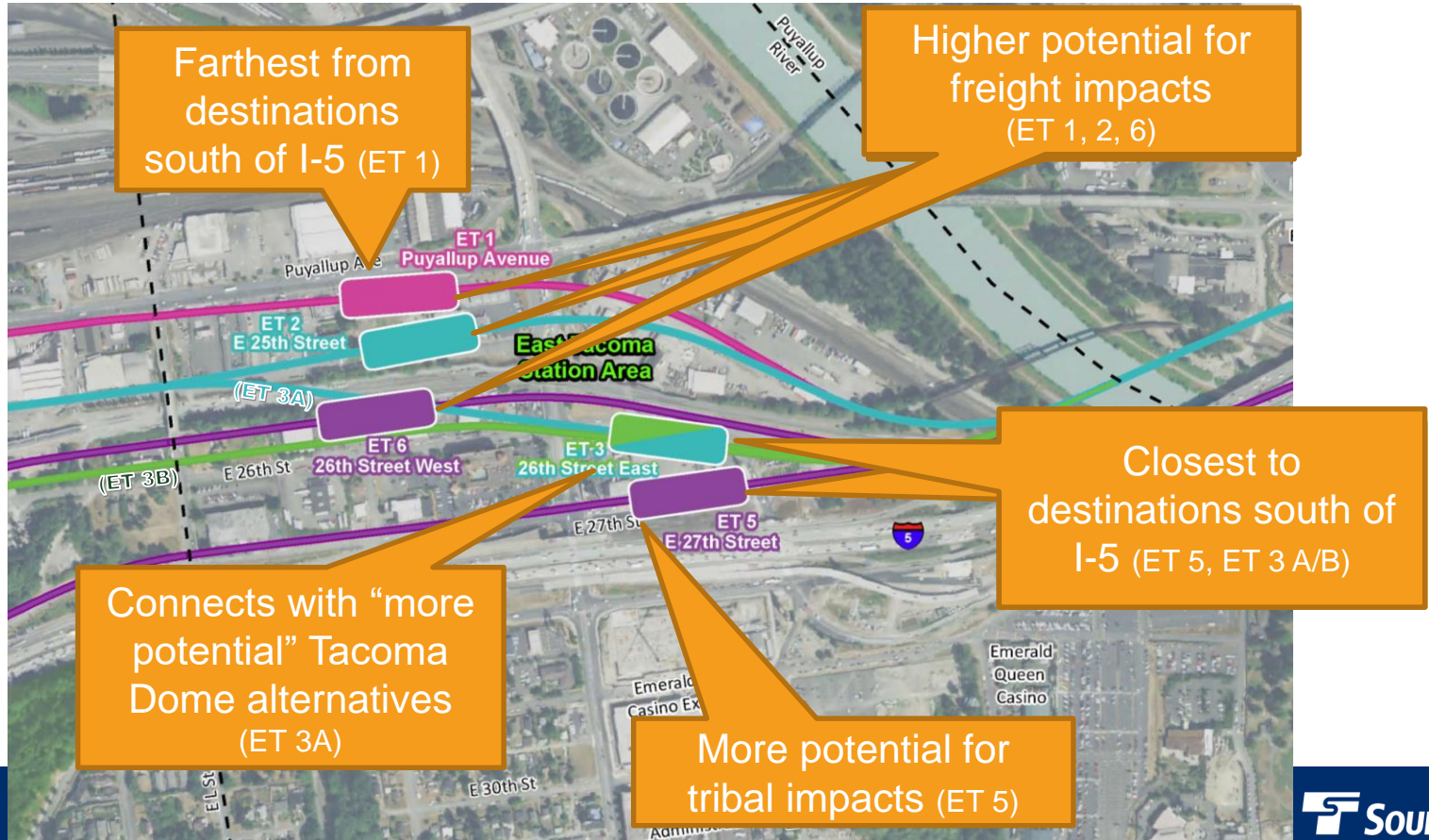


# Level 2 alternatives: Tacoma Dome

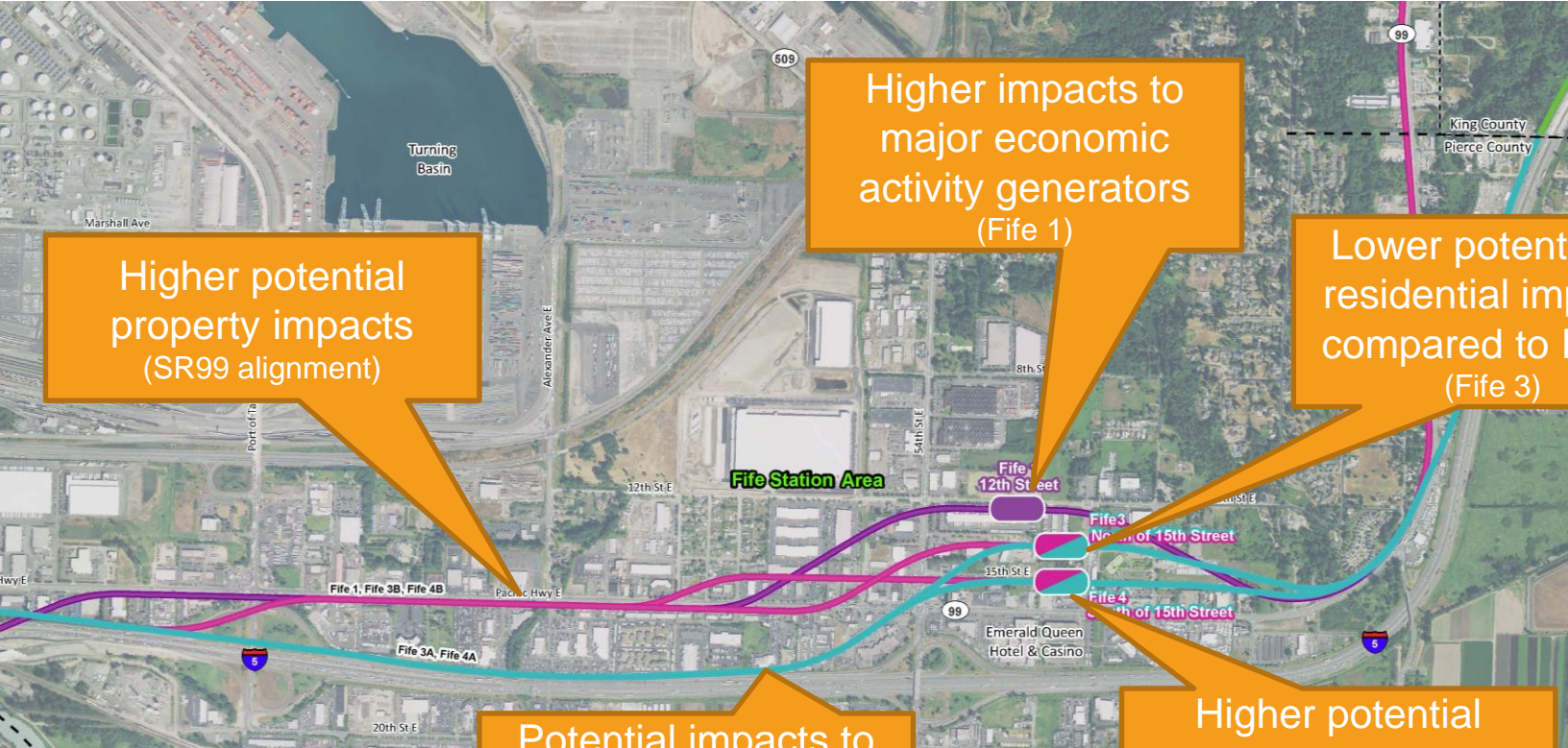




# Level 2 alternatives: East Tacoma



# Level 2 alternatives: Fife



Higher potential property impacts (SR99 alignment)

Higher impacts to major economic activity generators (Fife 1)

Lower potential of residential impacts compared to Fife 4 (Fife 3)

Potential impacts to view dependent business (I-5 alignment)

Higher potential impacts to freight movement (Fife 4)

# Level 2 alternatives: South Federal Way



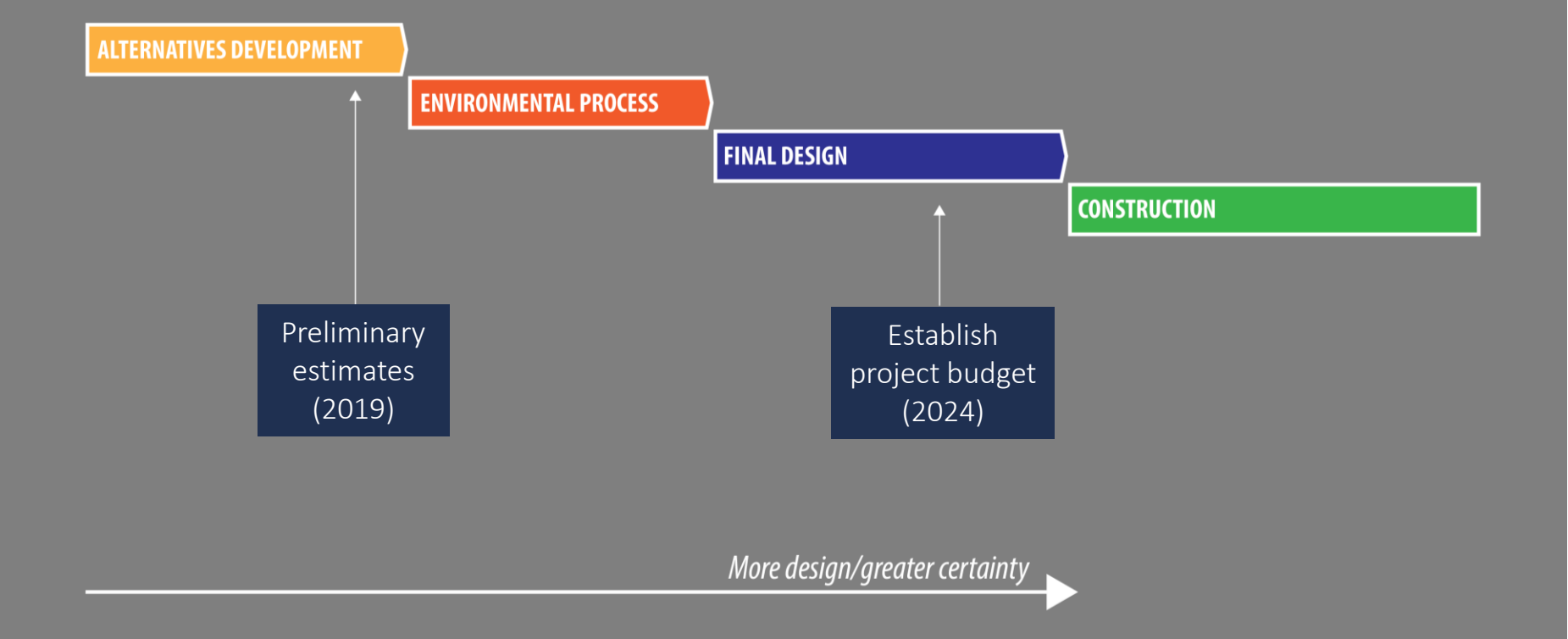
# Level 2 alternatives, end-to-end



# Preliminary estimates

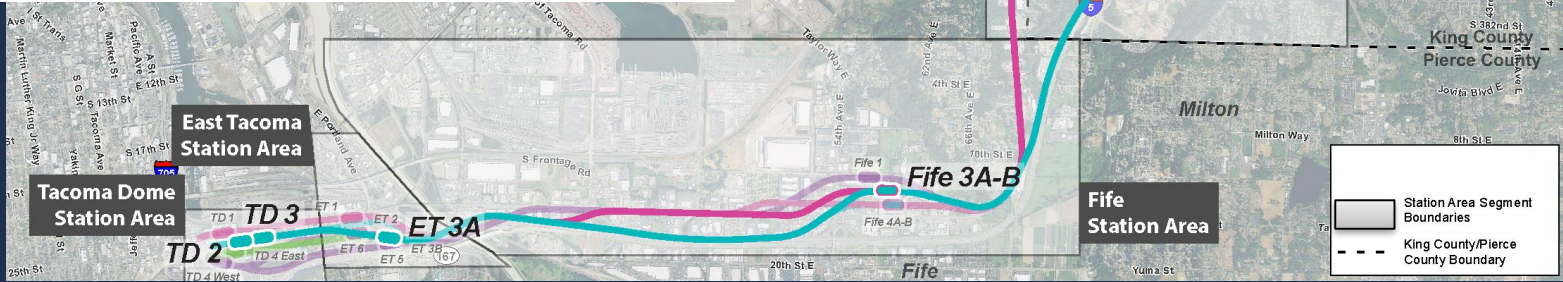
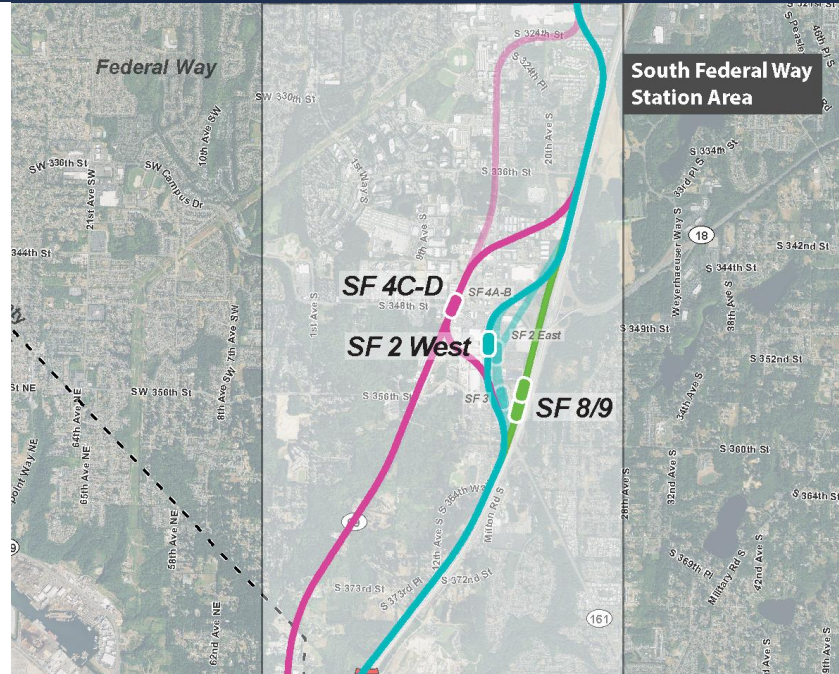
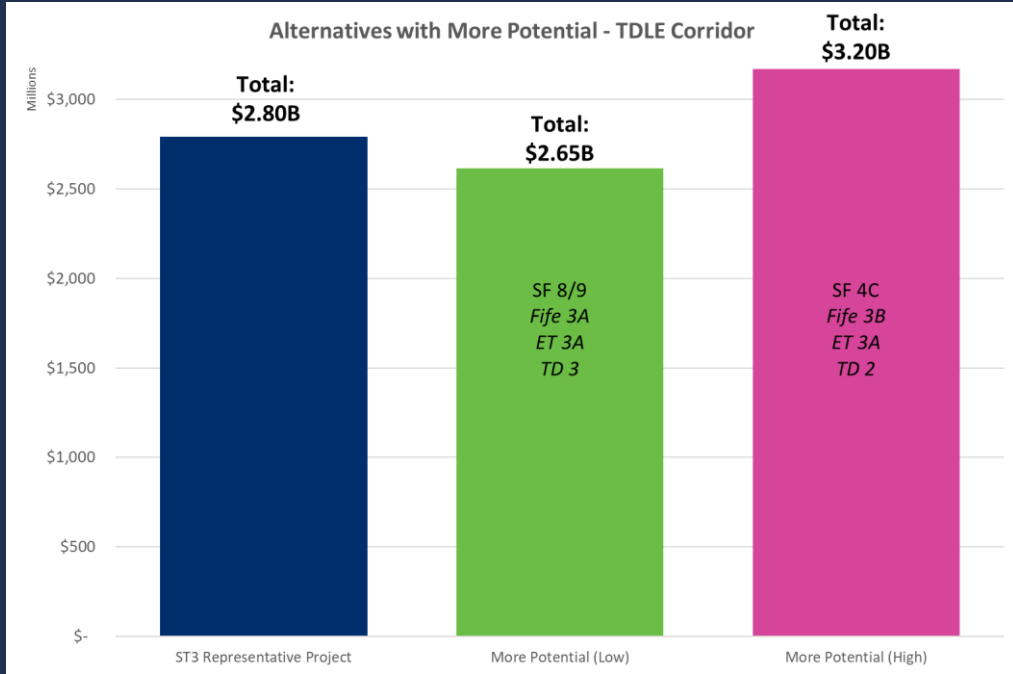
- Purpose: To *inform comparison* of alternatives
- Preliminary estimates for *end-to-end alternatives* and site concepts
  - Consistent methodology (2018\$; construction, real estate, etc.)
  - Based on *limited conceptual design* (less than 3% design)
  - Does not establish project budget
- Project budget established later in design

# Project budget\*



# Preliminary estimates\* (2018\$)

\*Preliminary estimates are rounded and are not the project's budget. They are to be used for comparisons between alternatives.



# Next steps for TDLE\*

## Preliminary schedule to reach a Preferred Alternative

### April

EIS scoping period:

- Online open house
- In-person open houses (3)
- Agency Scoping meeting

### May-June

Build consensus around Preferred Alternative and other options to study in Draft EIS, including:

- Scoping summary report
- Stakeholder Group feedback
- City & Tribal Councils' post-scoping guidance to ELG  
ELG recommendation to ST Board (May 31; June 14)

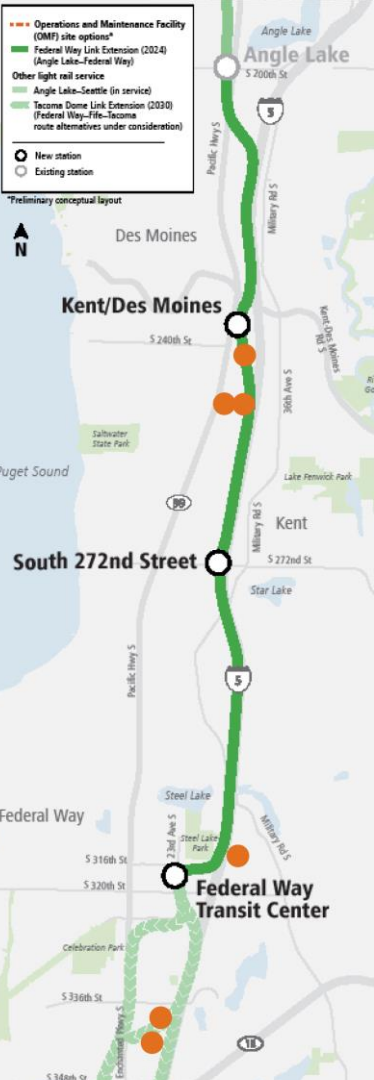
### July

ST Board identifies Preferred Alternative and other alternatives study in Draft EIS

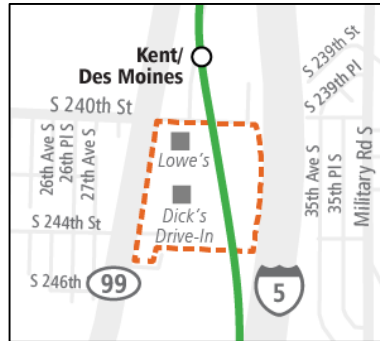


# ***OMF South Scoping Update***

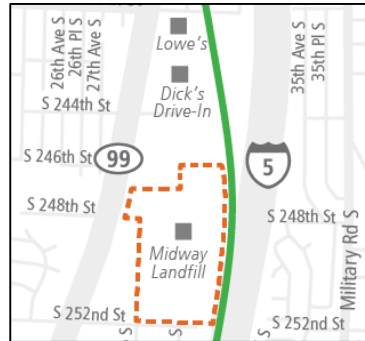
# OMF South Scoping: Feb 19- April 1



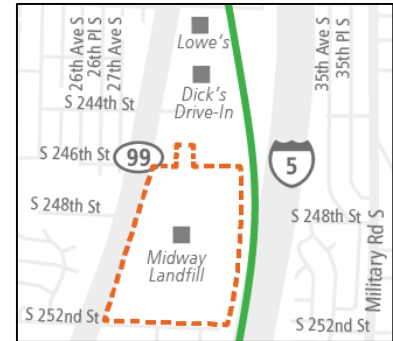
**S 240th St and SR 99**



**Midway Landfill and I-5**



**Midway Landfill and SR 99**



**S 316th St and Military Rd**



**S 336th St and I-5**



**S 344th St and I-5**



# OMF South Scoping Update

- A total of 1,448 communications with approximately 2,470 comments were received.
  - 370+ people attended two public meetings
  - 3,470+ visited online open house
  - Communications received via meetings, phone, email, online, and mail
  - Comments from Tribes, cities/jurisdictions, elected officials, community groups, potentially impacted businesses, members of the public
- May 3: Scoping Summary Report with full scoping comments
- May 9: System Expansion Committee
- May 24: Sound Transit Board Meeting

*Thank you.*



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

