



Sound Transit Presentations

Hilltop Tacoma Link and Tacoma Dome Link Extensions

**City Council Study Session
September 11, 2018**





TODAY'S PRESENTATIONS



1. Hilltop Tacoma Link Extension (HTLE) Presentation

Madeleine Greathouse, Project Director

2. Tacoma Dome Link Extension (TDLE) Presentation

Curvie Hawkins, Project Director



HTLE PRESENTATION



- Cost and schedule update
- Progress since last update
- Upcoming events/milestones
- The way we work
- Community outreach
- Issues and challenges
- Questions

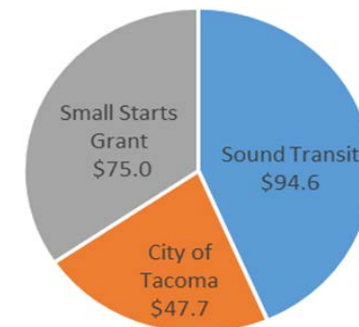
HILLTOP TACOMA LINK EXTENSION



Cost & Schedule Snapshot

- **Baselined:** September 2017
- **Budget:** \$217.3 Million (YOE)
- **Schedule:** Revenue Service – May 2022
- **Status:** NTP issued to Walsh Construction 8/27

Funding Sources
Baseline Cost Estimate





PROGRESS SINCE LAST UPDATE

- Final design complete
- Permits approved
- Construction contract awarded/Notice to Proceed issued
- Right of Way Acquisition on track
- Vehicle contract underway – conceptual design
- Public/private advance utility relocation work underway
- Single Year Grant Agreement – \$75M



RECENT & UPCOMING MILESTONES

Construction Contract – Civil/Systems and OMF Expansion

- Notice To Proceed: August 28

Tacoma LRV

- Complete specification compliance phase (June 2018)
- Begin preliminary design reviews of vehicle subsystems (Q4 2018)

Funding

- Grant Award – May 15



CONSTRUCTION CONTRACT REQUIREMENTS



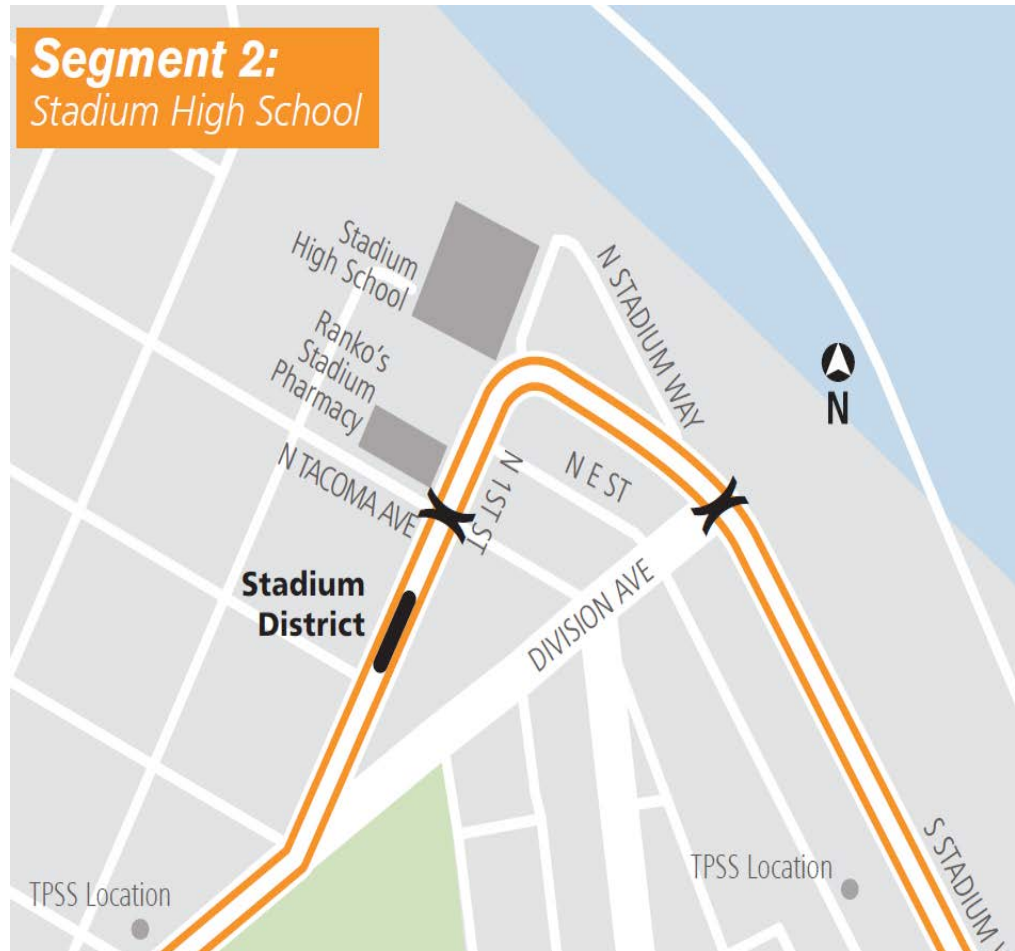
- General sequencing of work
- Work zone parameters
- Maintenance of Traffic (MOT)
- Constraints
- Information regarding key cutovers

● ● ● COMMERCES ST./STADIUM WAY (S1)



- Utility Work (water line, sewer and storm)
- Install Traction Power Substation (TPSS)
- Trackway and station platforms; Overhead Contact System (OCS) foundations/poles
- Traffic signalization/street light improvements at four locations
- Road restoration, ADA curb ramps
- MOT: single lane closures/two-way traffic
- Constraints: cutover at Commerce/S. 9th – two phases

STADIUM HIGH SCHOOL (S2)



- Utility Work (water, sewer and storm lines)
- Trackway– one lane traffic
- Enhanced pedestrian signal
 - North 1st St./N. Broadway
- OCS foundations/poles
- Road restoration, ADA curb ramps
- Constraints: Summer work @ Stadium High School





DIVISION AVE. (S3)



- Utility Work (water, sewer and storm lines) – some weekend closures @ intersections
- TPSS
- Station/OCS foundations and poles
- Trackway
- Traffic signalization improvements at three locations
- Road restoration, ADA curb ramps
- Constraints: Holiday moratorium



MLK JR. WAY (S4)

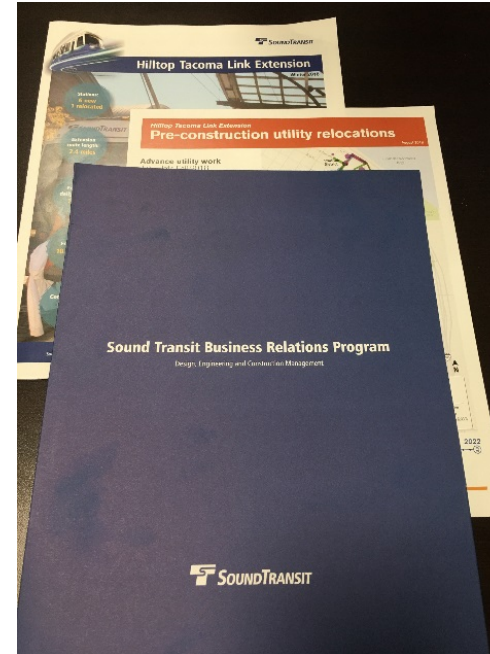


- Utility Work (water, sewer and storm lines) – some weekend closures @ intersections
- (2) TPSS
- (4) Stations
- OCS foundations and poles
- Trackway
- Traffic signalization improvements at six locations
- Road restoration, ADA curb ramps
- Constraints: Holiday moratorium; MultiCare Emergency Room access 24/7
- Challenges: pedestrian under crossings at MultiCare

COMMUNITY OUTREACH/ BUSINESS MITIGATION



- Door-to-door outreach
- Monthly E-newsletters to 4,000 subscribers
- Monthly meetings with key stakeholders
- Collaboration with City of Tacoma and Tacoma Public Utilities
- Weekly staffing at City of Tacoma Links to Opportunity project office
- Festival Outreach





LABOR OUTREACH

- **Links to Opportunity - \$2.5M FTA Grant**
 - \$80K for a new Equity and Empowerment (E&E) Initiative focusing on job access need for Hilltop community residents
 - Identify job access barriers for Hilltop residents
 - Establish public-private partnerships
 - Sound Transit will apply the relevant provisions of its Project Labor Agreement to support economic opportunities for Hilltop residents
- **Upcoming Hilltop Labor Event**



••• KEY ISSUES & CHALLENGES

- Maintaining a high level of safety awareness and accident prevention
- Unidentified utilities
- Impacts to Operations – cutovers
- Public Outreach during construction
- Third Party utility coordination



QUESTIONS?



SOUNDTRANSIT

RIDE THE WAVE



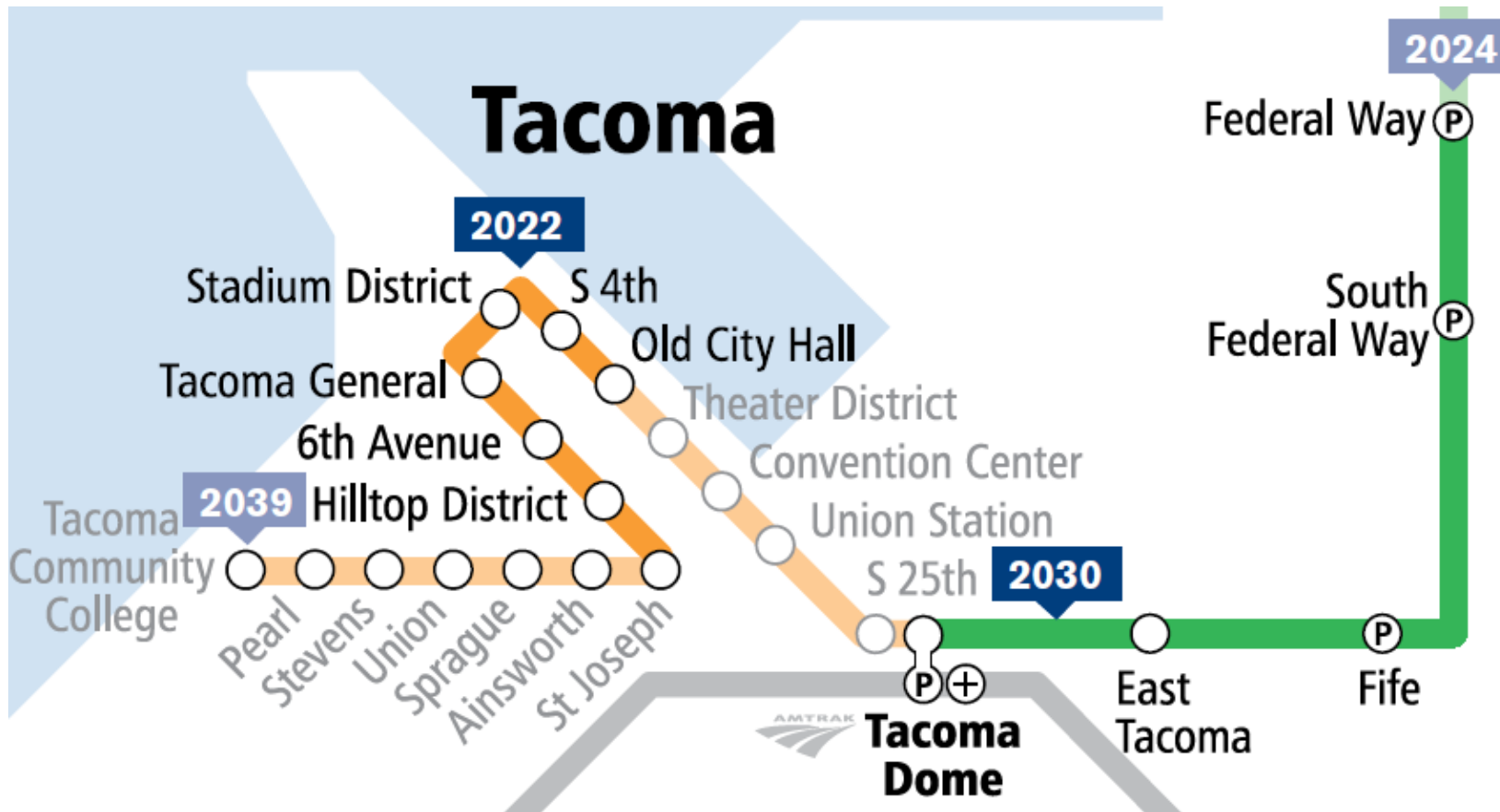
TDLE PRESENTATION



- Project overview & timeline
- Overview of alternatives for route and station locations
- Upcoming public outreach



Two Projects in Tacoma



TACOMA DOME LINK EXTENSION



Federal Way Transit Center to Tacoma Dome

- **Length:** 9.7 miles
- **Stations:** 4 (parking at 2 stations)
- **Daily Project Riders:** 27,000-37,000 (2040)
- **Cost:** \$1.85 to \$2.03 billion (2014\$)

Operations and Maintenance Facility (OMF): South

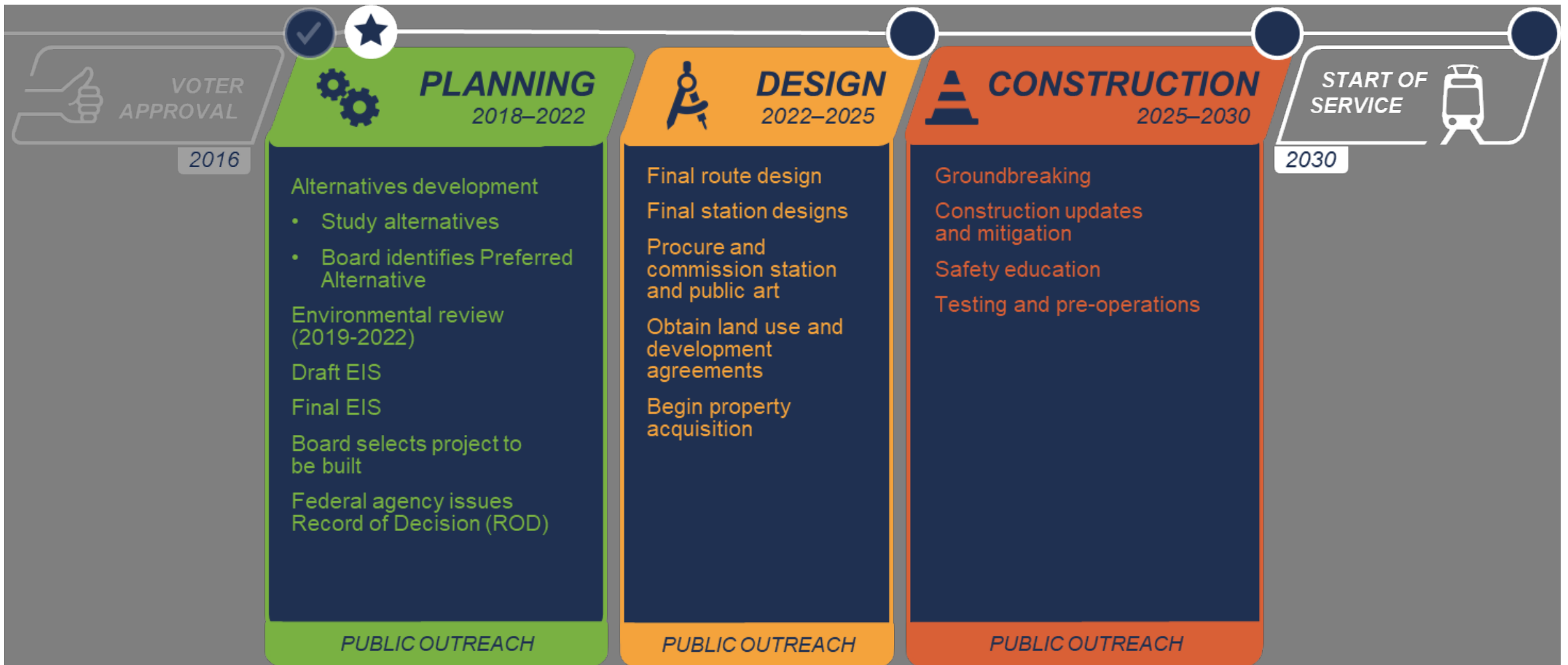
OPERATIONS & MAINTENANCE

FACILITY (OMF): SOUTH

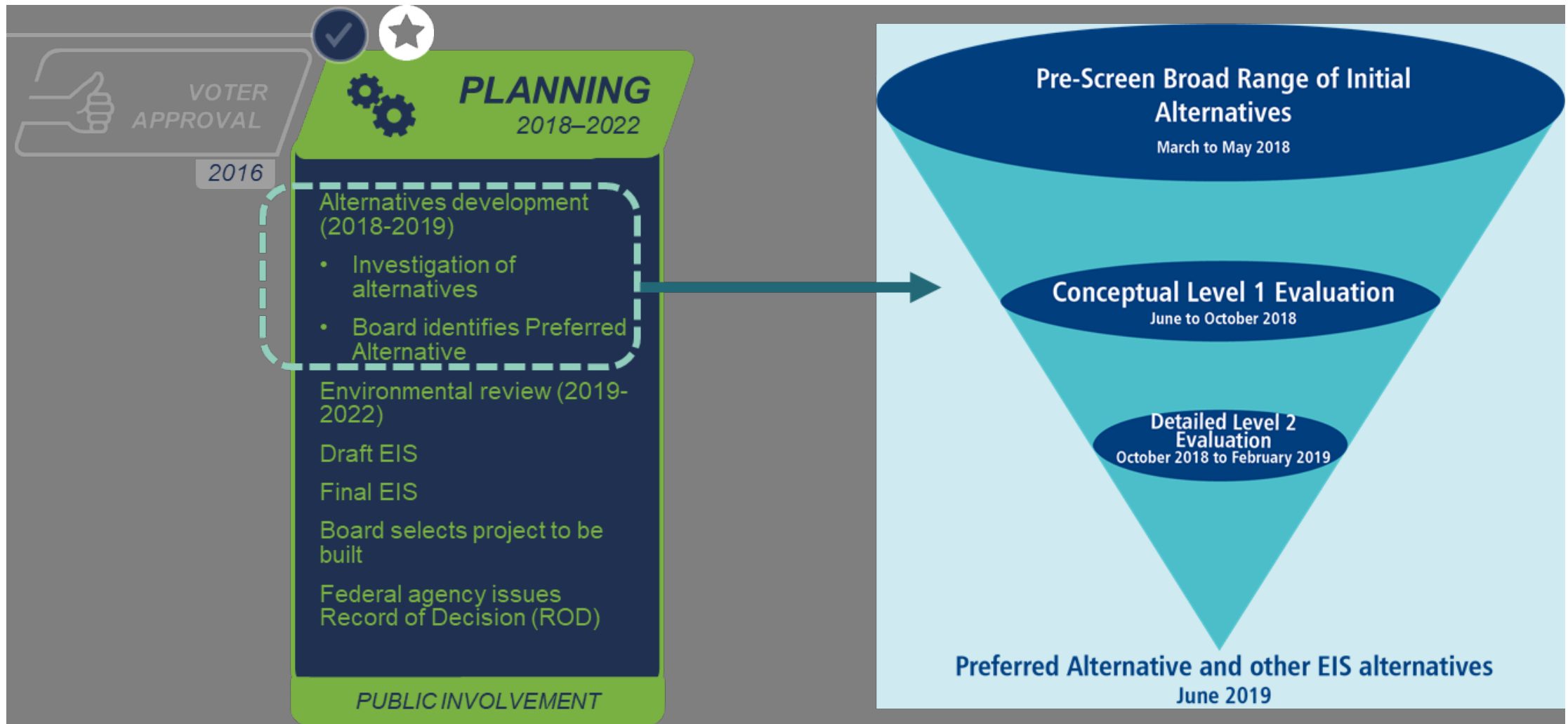


- Included in ST3 Plan
- Cost: \$501 to \$537 million (2014\$)
- Location and size supports system expansion of multiple projects (TDLE and overall system expansion)
- Process
 - Pre-Screen: July-Sept 2018
 - Level 1 evaluation: Sept-Oct 2018
 - EIS Scoping: fall or winter 2018

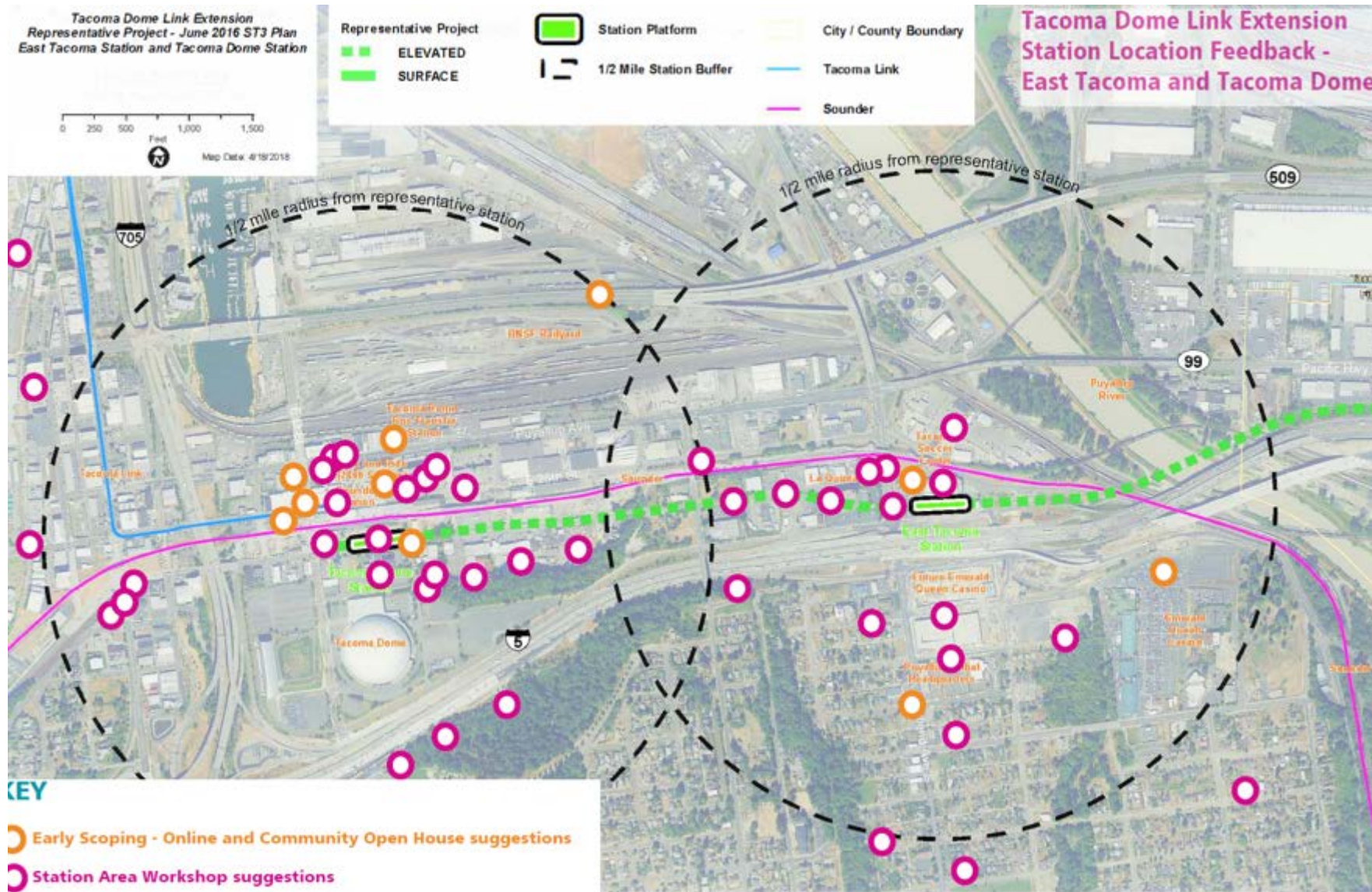
TDLE PROJECT SCHEDULE



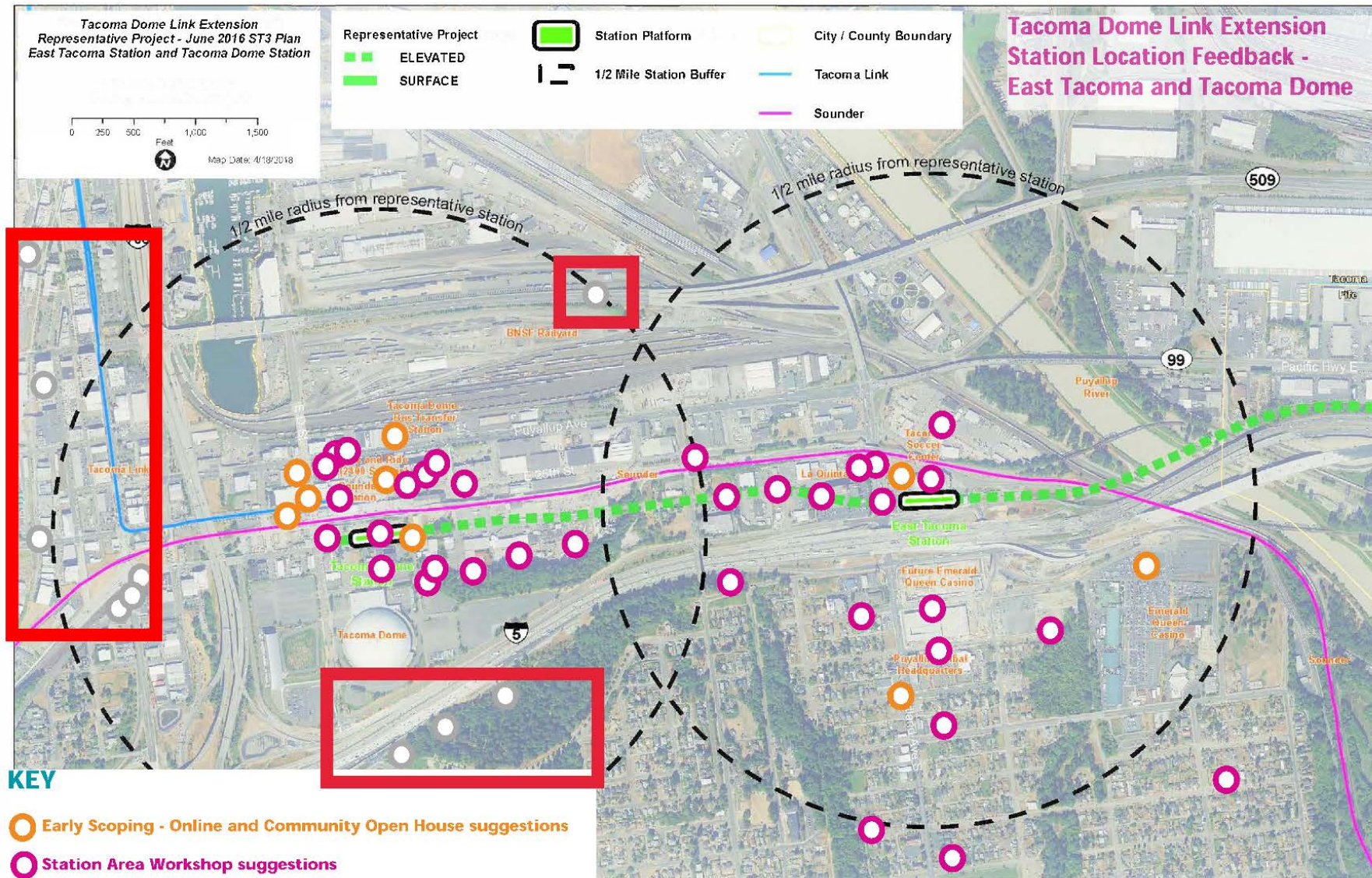
TDLE ALTERNATIVE PROCESS



EARLY SCOPING RESULTS



PRE-SCREENING RESULTS

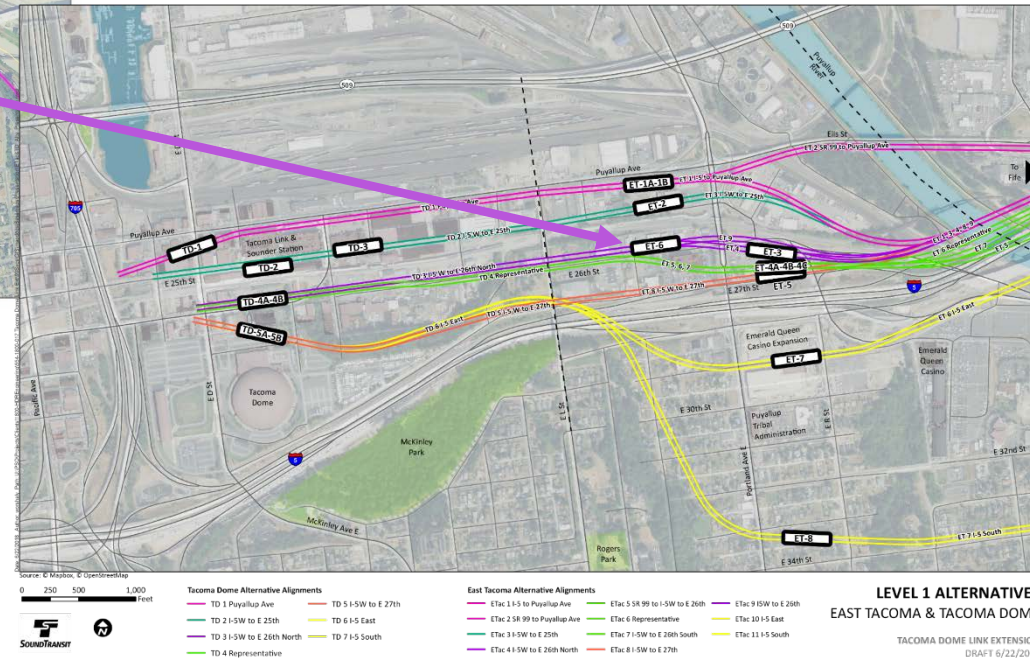
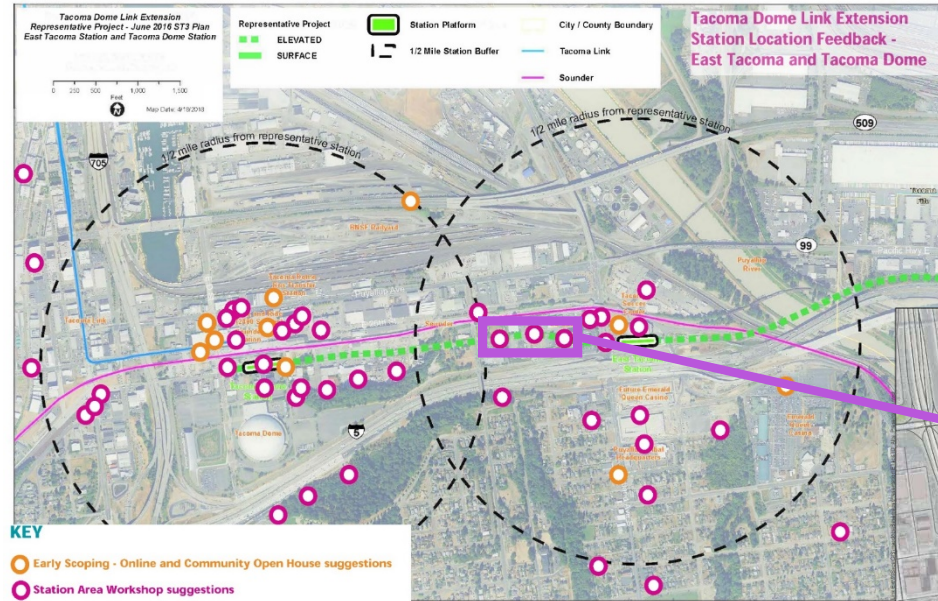




LEVEL 1 EVALUATION



How Level 1 alternatives were formed





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 1 EVALUATION: TECHNICAL RESULTS



Level 1 alternatives: South Federal Way



Enchanted Parkway

- › Higher TOD potential
- › Mid level of property and business impacts compared to other alternatives
- › More opportunity for multimodal access and flexibility for siting station amenities

SR 99

- › Highest TOD potential (348th station)
- › Highest property and business impacts compared to other alternatives
- › Longest alignment length compared to other alternatives

I-5 West/Representative

- › Less TOD potential and station access
- › Least property and business impacts compared to other alternatives
- › Least impact to retail sales tax-generating parcels

I-5 Median

- › Additional structures and pedestrian overcrossings required
- › Median space constraints could require freeway widening
- › More highway congestion during construction

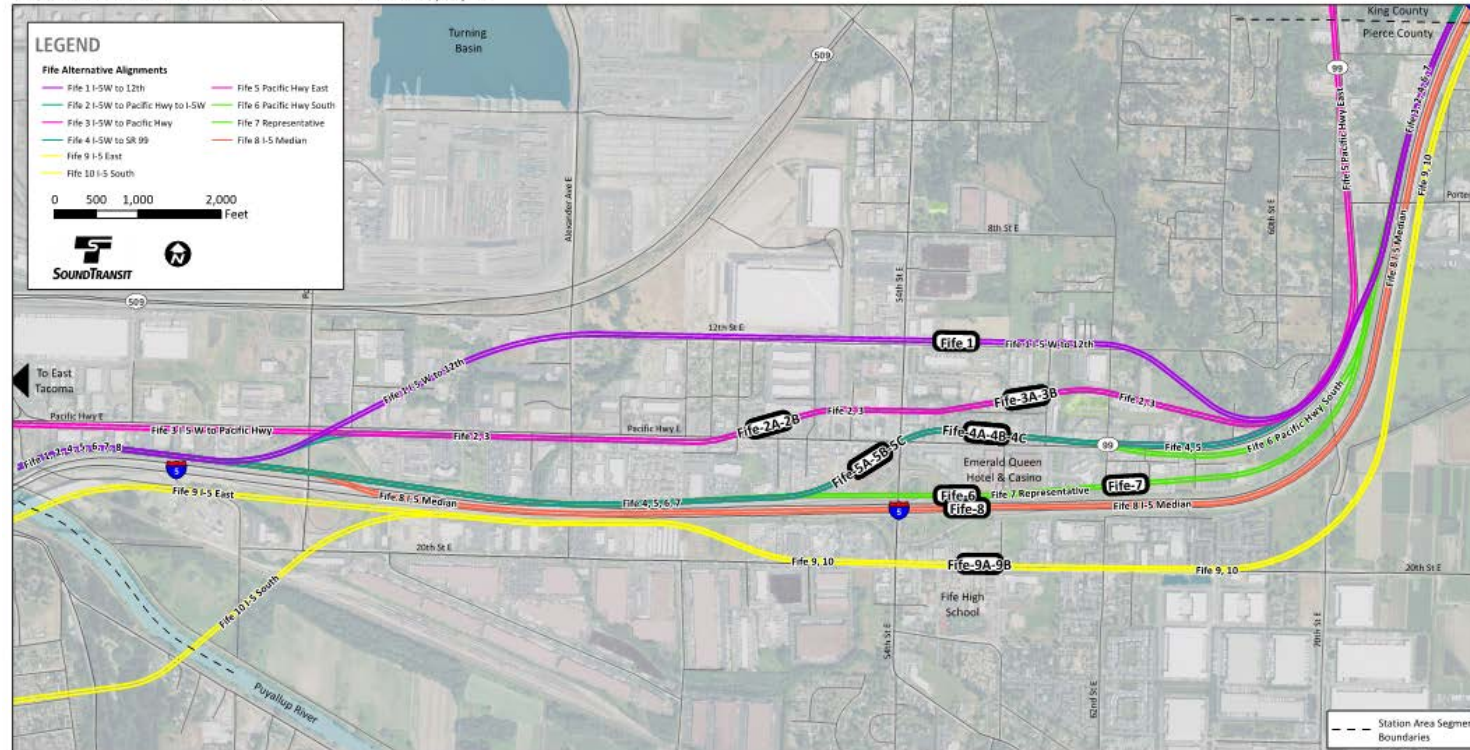
I-5 East

- › Additional structures required
- › Less TOD potential



Level 1 alternatives: Fife

FIFE LEVEL 1 ALTERNATIVES TACOMA DOME LINK EXTENSION DRAFT 09/04/18



I-5 West to 12th Street

- › Less TOD and station access potential
- › Longer alignment length compared to other alternatives

Pacific Hwy East/Pacific Hwy South/I-5 to 99

- › Alignment supports City Center Vision
- › Highest TOD and station access potential
- › More potential for congestion along SR 99 and 54th Street

I-5 Median

- › Additional structures and pedestrian overcrossings required
- › Median space constraints would require freeway widening
- › More highway congestion during construction

Pacific Hwy West/15th Street

- › Alignment supports City Center Vision
- › Highest TOD and station access potential

I-5 West/Representative

- › Potential constructability and WSDOT I-5 right-of-way challenges between SR 167 and 54th Street
- › Least TOD potential
- › More potential for congestion along SR 99 and 54th Street

I-5 East

- › Outside of City Center Vision area; less TOD potential
- › Many impacts to wetlands
- › Most constructability challenges with SR 167 interchange

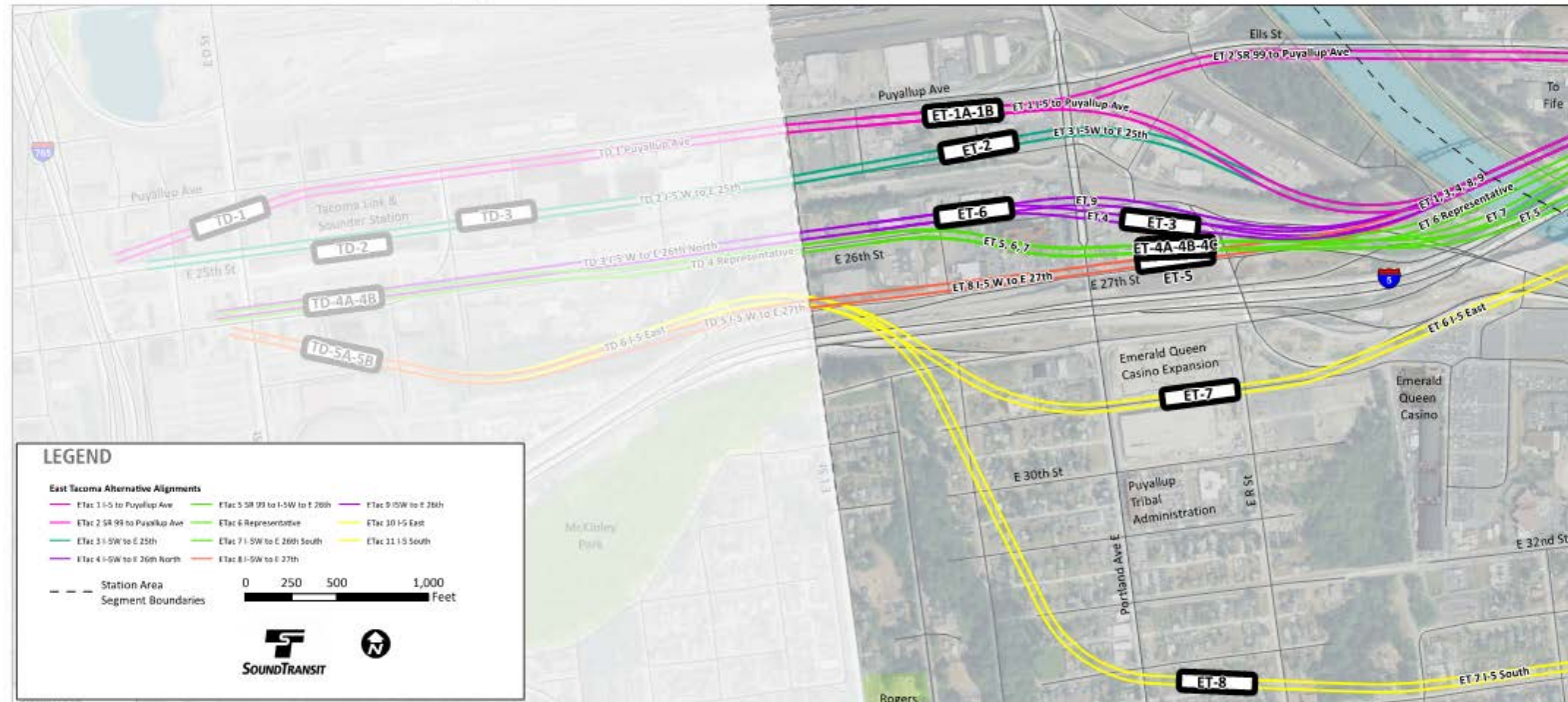


Level 1 alternatives: East Tacoma

EAST TACOMA LEVEL 1 ALTERNATIVES

TACOMA DOME LINK EXTENSION

DRAFT 09/04/18



Puyallup Ave

- › Station located farthest from activity center south of I-5
- › Crosses sensitive tribal cultural area

25th Street

- › Station located farther from activity center south of I-5
- › Puyallup River crossing at least impactful location

26th Street/Representative

- › Stations located near activity center south of I-5
- › Puyallup River crossing at least impactful location

Representative

- › Stations located near activity center south of I-5
- › Puyallup River crossing at least impactful location

27th Street

- › Station located near activity center south of I-5
- › Puyallup River crossing at least impactful location

I-5 South

- › Stations located at activity center south of I-5
- › Highest property impacts, including tribal property
- › Puyallup River crossing at most impactful location
- › Requires complex structure over I-5



Level 1 alternatives: Tacoma Dome

TACOMA DOME LEVEL 1 ALTERNATIVES

TACOMA DOME LINK EXTENSION

DRAFT 09/04/18



Puyallup Ave

- › Potential property impacts on south side of Puyallup Avenue
- › Highest TOD potential
- › Crossing under I-705 to extend line to Tacoma Mall is most challenging

25th Street

- › Highest potential for multimodal connections
- › Crossing under I-705 to extend line to Tacoma Mall is more challenging
- › TD 2 would impact Freighthouse Square

26th Street

Representative

- › Crossing under I-705 to extend line to Tacoma Mall is least challenging
- › Station is located on tribal-owned property
- › Lower potential for TOD and multimodal connections

27th Street

I-5 South

- › Potential constructability challenges through steep slope area
- › Crossing under I-705 to extend line to Tacoma Mall is least challenging
- › Lower potential for TOD and multimodal connections



EAST TACOMA: COMPARISON OF ALTERNATIVE FAMILIES



Alignment family	Key takeaways
Puyallup Ave	<ul style="list-style-type: none">• Station located farthest from activity center south of I-5• Crosses sensitive tribal cultural area
25th Street	<ul style="list-style-type: none">• Station located farther from activity center south of I-5• Puyallup River crossing at least impactful location
26th Street	<ul style="list-style-type: none">• Stations located near activity center south of I-5• Puyallup River crossing at least impactful location
Representative alignment	
27th Street	<ul style="list-style-type: none">• Station located near activity center south of I-5• Puyallup River crossing at least impactful location
I-5 South	<ul style="list-style-type: none">• Stations located at activity center south of I-5• Highest property impacts, including tribal property• Puyallup River crossing at most impactful location• Requires complex structure over I-5

TACOMA DOME: COMPARISON OF ALTERNATIVE FAMILIES



Alignment family	Key takeaways
Puyallup Ave	<ul style="list-style-type: none"> • Potential property impacts on south side of Puyallup Avenue • Highest TOD potential • Crossing under I-705 to extend line to Tacoma Mall is most challenging
25th Street	<ul style="list-style-type: none"> • Highest potential for multimodal connections • Crossing under I-705 to extend line to Tacoma Mall is more challenging • TD 2 would impact Freighthouse Square
26th Street	<ul style="list-style-type: none"> • Crossing under I-705 to extend line to Tacoma Mall is least challenging
Representative alignment	<ul style="list-style-type: none"> • Station is located on tribal-owned property • Lower potential for TOD and multimodal connections
27th Street	<ul style="list-style-type: none"> • Potential constructability challenges through steep slope area • Crossing under I-705 to extend line to Tacoma Mall is least challenging
I-5 South	<ul style="list-style-type: none"> • Lower potential for TOD and multimodal connections



PUBLIC OUTREACH



Targeted outreach to community groups

So far, we have met with the following Tacoma-area community groups:

- Area Agency on Aging
- Consejo Counseling and Referral Services
- Dome District
- Eastside Collaborative
- Habitat for Humanity
- Kiwanis Club
- L'Arche Tahoma Hope
- Pierce County Aging and Disability Resource Center
- Rainbow Center
- Salishan Association
- Summit Public Schools
- Tacoma Area Coalition for Individuals with Disabilities
- Tacoma Green Drinks
- Tacoma Community House
- Tacoma Public Schools

We also plan to meet with:

- Affordable Housing Consortium
- Associated Ministries
- Bates Technical College
- Black Collective
- Business Improvement Area
- Eastside Collaborative
- Eastside Neighborhood Council
- Hilltop Action Coalition
- Pacific Lutheran University
- Pierce County Human Services Coalition
- Pierce County Coordinated Transportation Coalition
- Stadium Business District
- Sound Outreach
- Tacoma Housing Authority
- Tacoma Sunrise Rotary

→ Other groups we should meet with?

Postcards mailed to businesses and residents within 1 mile of the project area



Light rail is coming to the South Sound

Help narrow options for light rail routes and station locations

Join us at an open house or online

Federal Way // Tuesday, Sept. 11, 6-8 p.m.
Federal Way Performing Arts and Event Center // 31510 Pete von Reichbauer Way S.

Fife // Wednesday, Sept. 12, 6-8 p.m.
Fife High School // 5616 20th St. E.

Tacoma // Wednesday, Sept. 19, 6-8 p.m.
Best Western Plus Tacoma Dome Hotel // 2611 E. E St.

Tacoma Dome Link Extension
and Operations & Maintenance Facility: South



Sound Transit needs your input!

At open houses last spring, Sound Transit's project team listened to your ideas and developed alternatives. Help us fine-tune your feedback as we:

- Determine which alternatives to study for the light rail route and station locations at **South Federal Way, Fife, East Tacoma and Tacoma Dome** areas.
- Evaluate potential sites between Kent and Tacoma for a new operations and maintenance facility.

Can't make an in-person open house?

Visit the online open house at tdlink.participate.online

Submit comments by Sept. 21 (in-person, online, mail or email)

Online: tdlink.participate.online // **Email:** tdlink@soundtransit.org // **Phone:** 206-398-5453

Mail: Tacoma Dome Link Extension, c/o Sagar Ramachandra, Sound Transit, 401 S. Jackson St. Seattle, WA 98104

Creating transit options in the South Sound: The 9.7-mile Tacoma Dome Link Extension between Federal Way (opening 2024) and Tacoma will provide 35-minute rides between Tacoma and Sea-Tac Airport. Passengers will have easy access to Tacoma Link (including the 2.4-mile Hilltop Tacoma Link Extension), Sounder commuter trains and bus service.

To request accommodations for persons with disabilities or information in alternative formats, call 1-800-201-4900/TTY Relay: 711 or email accessibility@soundtransit.org.

Para información acerca del proyecto llame al: 1-800-823-9230 // Звоните 1-800-823-9230, чтобы получить информацию о проекте // 프로젝트에 관한 정보는 다음으로 연락하십시오: 1-800-823-9230 // လူမှုပတ်ဝန်းကျင်ဆိုင်ရာကဏ္ဍများ: လူမှုပတ်ဝန်းကျင်ဆိုင်ရာ 1-800-823-9230 // Để biết tin tức về dự án này, xin gọi: 1-800-823-9230



Union Station
401 S. Jackson St.
Seattle, WA 98104-2826

Get more info and sign up for project news:

soundtransit.org/tdlink

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Public outreach & ELG recommendation



Online open house, August 31 – September 21
tdlink.participate.online

Open houses, 6-8 pm

- September 11: Federal Way Performing Arts & Event Center
- September 12: Fife High School
- **September 19: Best Western Plus Tacoma Dome**

Stakeholder Group

September 27,
6-8 pm
Location TBD

ELG meeting

- **October 12, 9-11 am**
Fabulich Center
- Review SG and community input
- Make recommendation to ST Board

... QUESTIONS?

