



Tacoma Streets Initiative 2017
Progress Report
City of Tacoma
Public Works
Transportation Commission
February 21, 2017



OVERVIEW

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- 2017 Budget vs. Actuals
- 2017 Expenditures
- Capital Commitments
- Residential Street Maintenance 2017 Actuals / 2018 Projections
- SI Notifications and Survey
- 2018 Maps



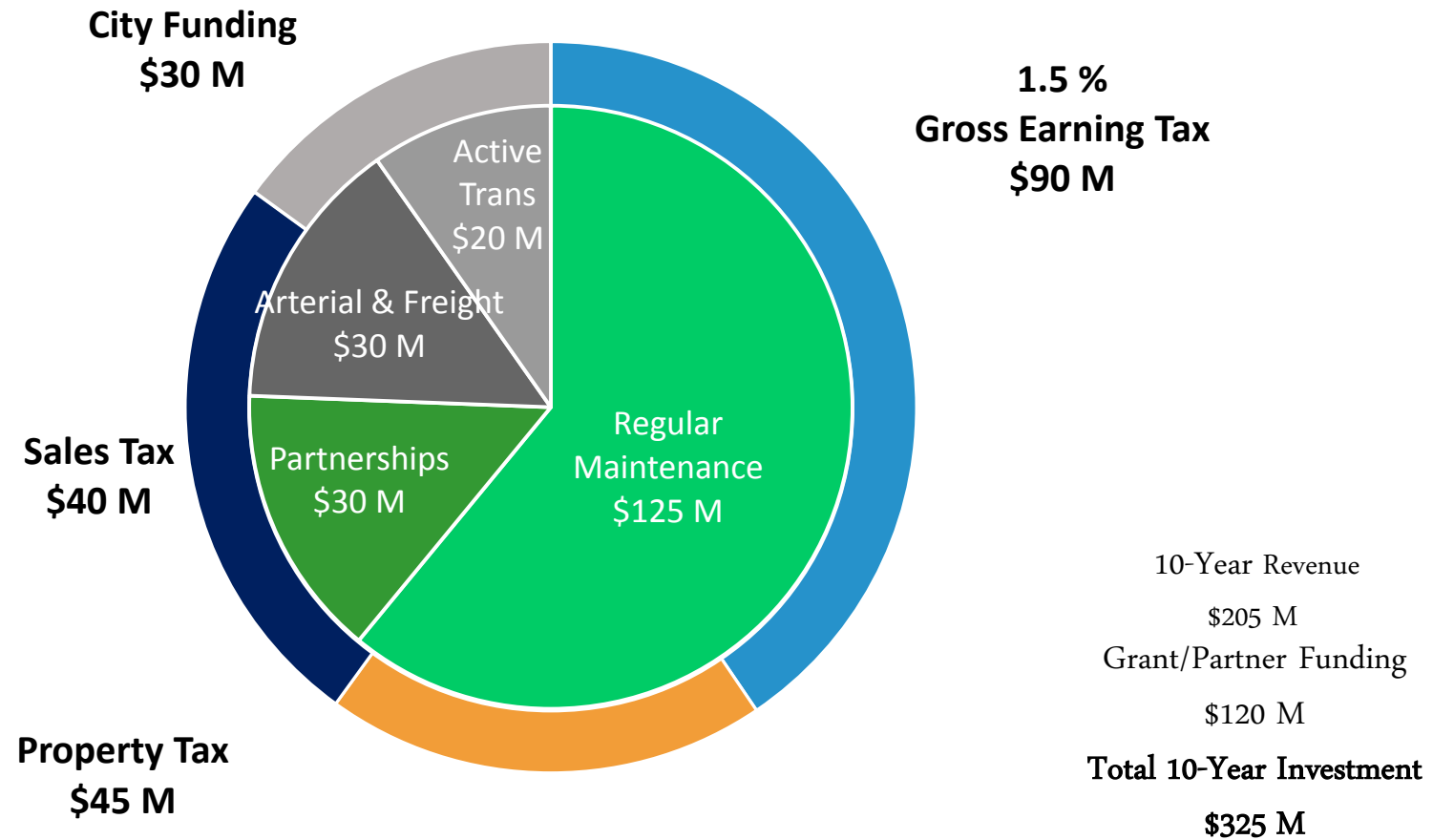
BACKGROUND



- 2015 - Proposition 3 and TBD Proposition A
 - Prop 3; fund street repair, maintenance and safety improvements for residential streets, arterials, and freight access, including resurfacing, pothole repair, pedestrian safety improvements, school crossing beacons and sidewalk improvements.
 - Prop A; fund maintenance, preservation and improvement for residential streets, arterials, freight access, bike and pedestrian mobility projects.
- Resolution 39236;
 - . . . the City Manager is directed to work with the Public Works Department to deliver an annual progress report to the public through the Transportation Commission so that citizens may easily understand the improvements made and budget and leverage achieved, among other indicators, important for transparency and accountability of these public resources.



BACKGROUND



2017 Budget vs. Actuals



2017 Streets Initiative Revenue			
Revenue Source	2017 Actuals	Initiative to Date	10 Year Goal (% towards goal)
City Funding	\$ 3 M	\$ 6.2 M	\$ 30 M (21 %)
TBD Sales Tax (0.1%)	\$ 5.2 M	\$ 7.5 M	\$ 40 M (19 %)
Gross Earnings Tax (+1.5%)	\$ 8.3 M	\$ 15.2 M	\$ 90 M (17 %)
Property Tax (\$0.2/\$1,000 AV)	\$3.9 M	\$ 7.6 M	\$ 45 M (17 %)
Interest and Other	\$.3 M	\$.3 M	-
Total	\$ 20.5 M	\$ 36.8 M	\$ 205 M (18 %)



2017 Expenditures

2017 Streets Initiative Expenditures

Funding Category	Budget	Actual Expenditures	Balance
Residential Maintenance	\$ 15.3 M	\$10.7 M*	\$ 4.6 M
Capital – Arterial/ Freight	\$ 2.2 M	\$.4 M**	\$ 1.8 M
Capital - Active Transportation	\$ 2 M	\$ 1.3 M**	\$.7 M
Total	\$ 19.8 M	\$ 12.4 M	\$ 7.1 M

* Additional street maintenance work is funded through the Streets Fund.

** Capital expenditures do not capture future encumbrances for capital projects.



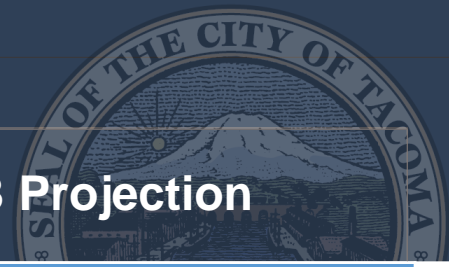
Streets Initiative Capital Commitments — Arterial/Freight

Project	Street Initiative Funding	Grant/ Partner Funds	Total Secured Funding
E 64th Street; Pacific to McKinley	\$ 3,185,460	\$ 6,501,958	\$ 9,687,418
Taylor Way Rehabilitation, SR 509 to E. 11th St.	\$ 1,770,824	\$ 16,336,796	\$ 18,107,620
S. 19th St, Union to Mullen	\$ 850,000	\$ 2,517,865	\$ 3,367,865
Port of Tacoma Road Phase 2	\$ 838,400	\$ 707,000	\$ 1,545,400
Lincoln Dist. Streetscape/Festival	\$ 168,000	\$ 1,663,179	\$ 7,081,571
Portland Ave. Signal Upgrades	\$ 216,059	\$ 1,368,535	\$ 1,584,594
S 56th and Cirque Phase 2	\$ 1,681,093	\$ 6,955,729	\$ 8,636,822
Yakima Ave Bridge	\$ 466,950	\$ 2,990,000	\$ 3,456,950
South Tacoma Way Safety Improvements	\$ 145,877	\$ 923,930	\$ 1,069,807
Subtotal	\$ 9.3 M	\$ 40 M	\$ 54.5 M



Streets Initiative Capital Commitments — Active Transportation

Project	Street Initiative Funding	Grant/ Partner Funds	Total Secured Funding
Fawcett Ave: S. 19th to S. 21st	\$ 250,000	\$ 1,013,290	\$ 1,263,290
First Creek Middle School Safe Routes to School	\$ 65,000	\$ 318,885	\$ 383,885
Hilltop and S. Downtown Ped Improvements	\$ 700,000	\$ 850,000	\$ 1,815,900
Lister Elementary Safe Routes to School	\$ 85,000	\$ 450,115	\$ 535,115
Pipeline Trail Phase 2	\$ 455,267	\$ 2,042,600	\$ 2,787,867
S. 19th St. Sidewalk, Cedar to Bates Technical College	\$ 156,190	\$ 346,000	\$ 502,190
S. Stevens/ Tyler/ 66th Bike and Pedestrian Connector	\$ 305,460	\$ 1,350,892	\$ 1,778,290
Subtotal	\$ 2 M	\$ 6.4 M	9 M
Total SI Grant Commitments	\$ 11.3 M	\$ 46.3 M	\$ 63.6 M



Residential Maintenance - 2017 Actuals/2018 Projection

Treatment	2017 Projected Service Level (Blocks)	2017 Actual Service Level (Blocks)	Initiative to Date (10-Year Goal)
Overlay	195	135*	225 (1,500)
Surface Treatment	235	230	619 (4,200)
Preventative Maintenance	175	184	
Gravel Streets	7	0	0 (122)
Total	605	549	844 (5,822)

* Number does not include 48 blocks of overlay currently in construction through Streets Initiative Packages #3 and #4. Those projects started construction in 2017 and will be completed in 2018. Streets Initiative funds will also contribute to completely overlay 14 blocks through partnerships with utilities, which have not yet been completed or counted in this tally.

Treatment	2018 Projected Service Level
Overlay	247
Surface Treatment	226
Preventative Maintenance	320
Gravel Streets	7
Total	800



SI Notifications and Survey

Pre-project postcard

STREET MAINTENANCE IS BEING SCHEDULED IN YOUR AREA!

Thanks to the voter approved **Tacoma Streets Initiative** your street will be receiving needed maintenance this summer. During the months of June through September crews will be performing surface treatments in your neighborhood.

City of Tacoma
Public Works Department
2324 South C Street
Tacoma, WA 98402

Para más información en Español, visite cityoftacoma.org/TSM
សម្រាប់ព័ត៌មានបន្ថែមជាភាសាស្បែក សូមចូលទៅគេហទំព័រ cityoftacoma.org/TSM
한국어 로 자세한 정보를 원하시면 cityoftacoma.org/TSM 을 확인하세요
Для получения дальнейшей информации на русском языке посетите сайт по адресу cityoftacoma.org/TSM
Muốn biết thêm chi tiết bằng Tiếng Việt hãy vào cityoftacoma.org/TSM

STREET MAINTENANCE TRAFFIC DISRUPTIONS

WORK IS BEING PERFORMED IN YOUR AREA BETWEEN JUNE AND SEPTEMBER.

Crews will be performing **surface treatment** which involves laying down a layer of asphalt followed with a layer of gravel that is then rolled into the asphalt. This maintenance application is used on streets that are showing signs of wear and is intended to seal cracks and provide a uniform surface.

While work is happening "No Parking" signs will be posted to allow crews to fully access the street, your cooperation in removing your car will help crews complete the work in a timely manner. All work is weather dependent and rescheduling may be required. Signage will list the dates and times of street closures 48 hours in advance.

UPDATES AND ADDITIONAL INFORMATION WILL BE POSTED ON READER BOARDS LOCATED IN YOUR AREA.

For more information, visit cityoftacoma.org/TacomaStreets or email TacomaStreets@cityoftacoma.org or call the Residential Program Supervisor at (253) 591-5495.

- Before work starts, prune vegetation so it does not extend into the street. Limbs should be at least 14 feet above the street surface and 8 feet above the sidewalk.
- Garbage pickup will be normal during maintenance.

The City of Tacoma's Public Works Department wants to hear from you. Once work in your neighborhood is completed, take the Tacoma Streets Initiative survey. Visit cityoftacoma.org/TacomaStreets and tell us about your experience.



After action postcard



City of Tacoma
Public Works Department
2324 South C Street
Tacoma, WA 98402



Now that roadwork in your neighborhood has been completed, take the

TACOMA STREETS INITIATIVE SURVEY

Visit cityoftacoma.org/TSurvey and tell us about your experience.

TACOMA STREETS INITIATIVE

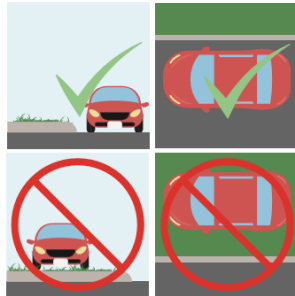
Thank you for your patience during the recent roadwork in your neighborhood. Now that work is complete, we want to hear from you!

To take the quick Tacoma Street Initiative survey, visit cityoftacoma.org/TSurvey. You can also take the survey by scanning the QR code.



Track our progress and see what projects are happening next at TacomaStreetsInitiative.org.

When parking on a neighborhood street, remember to parallel park on the pavement next to the curb. Parking between the curbs helps calm traffic and enhances the walkability and safety of the neighborhood. Parking in the planting strip could result in a parking citation and is against State and City Code.



Keep your neighborhood looking its best and rid yourself of unwanted debris through the City's Community Cleanup Program. To learn more, visit cityoftacoma.org/CommunityCleanup.

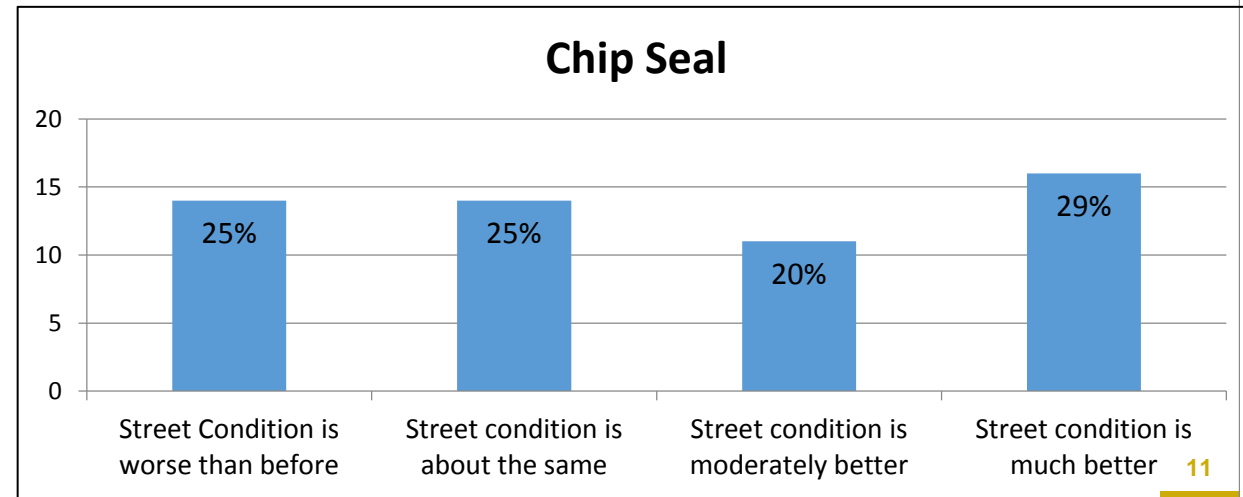
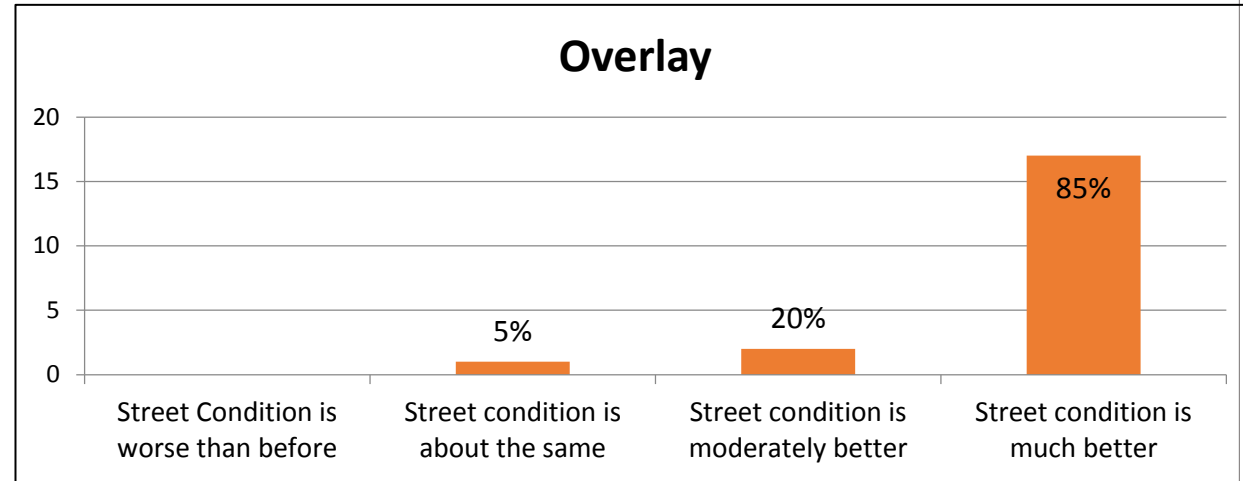
Planting trees in your planting strip can beautify your neighborhood and help the environment. To learn more about planting trees in the right-of-way and the City's incentive programs, including Tree Coupons, visit cityoftacoma.org/UrbanForestry.



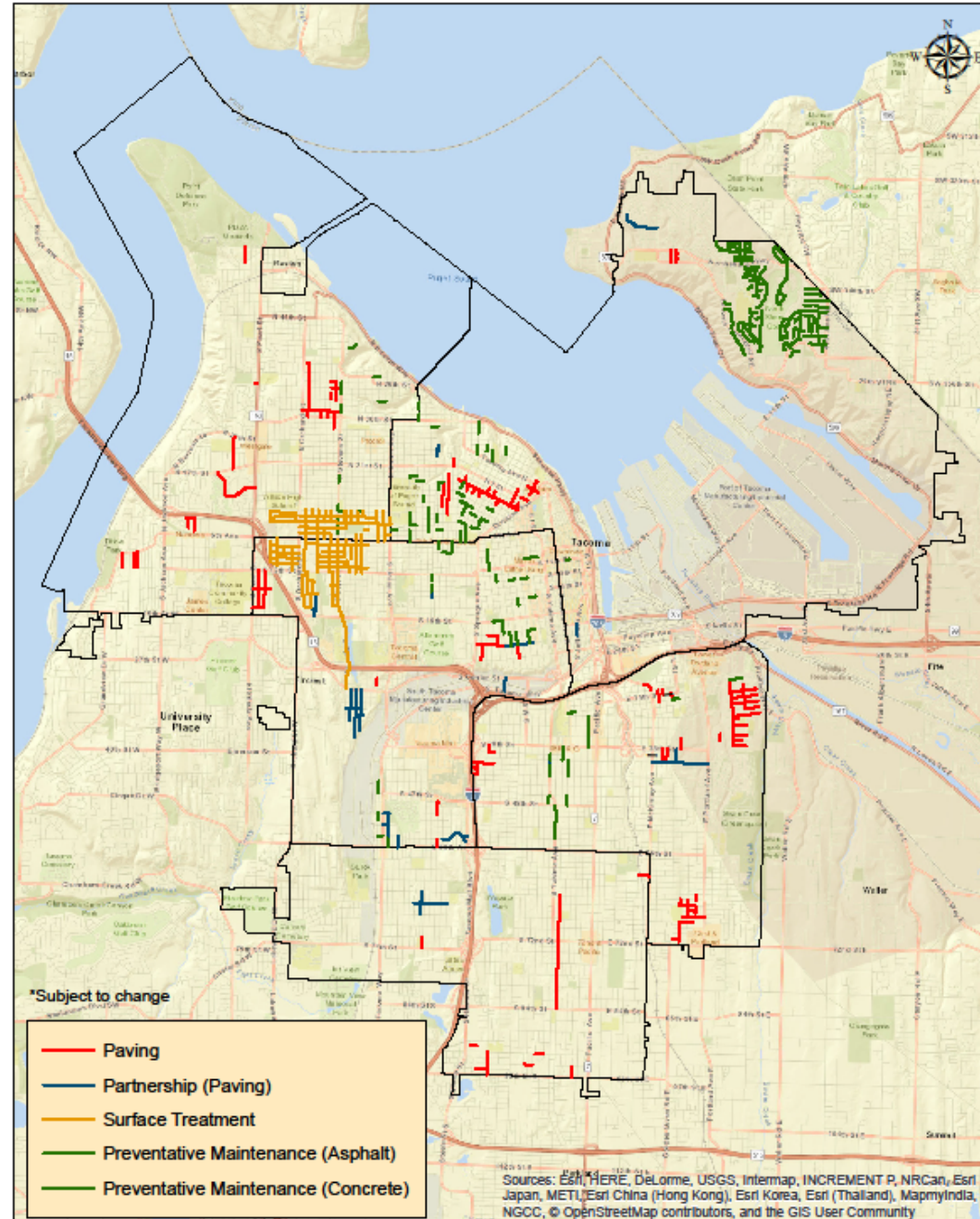
SI Notifications and Survey

Survey Questions:

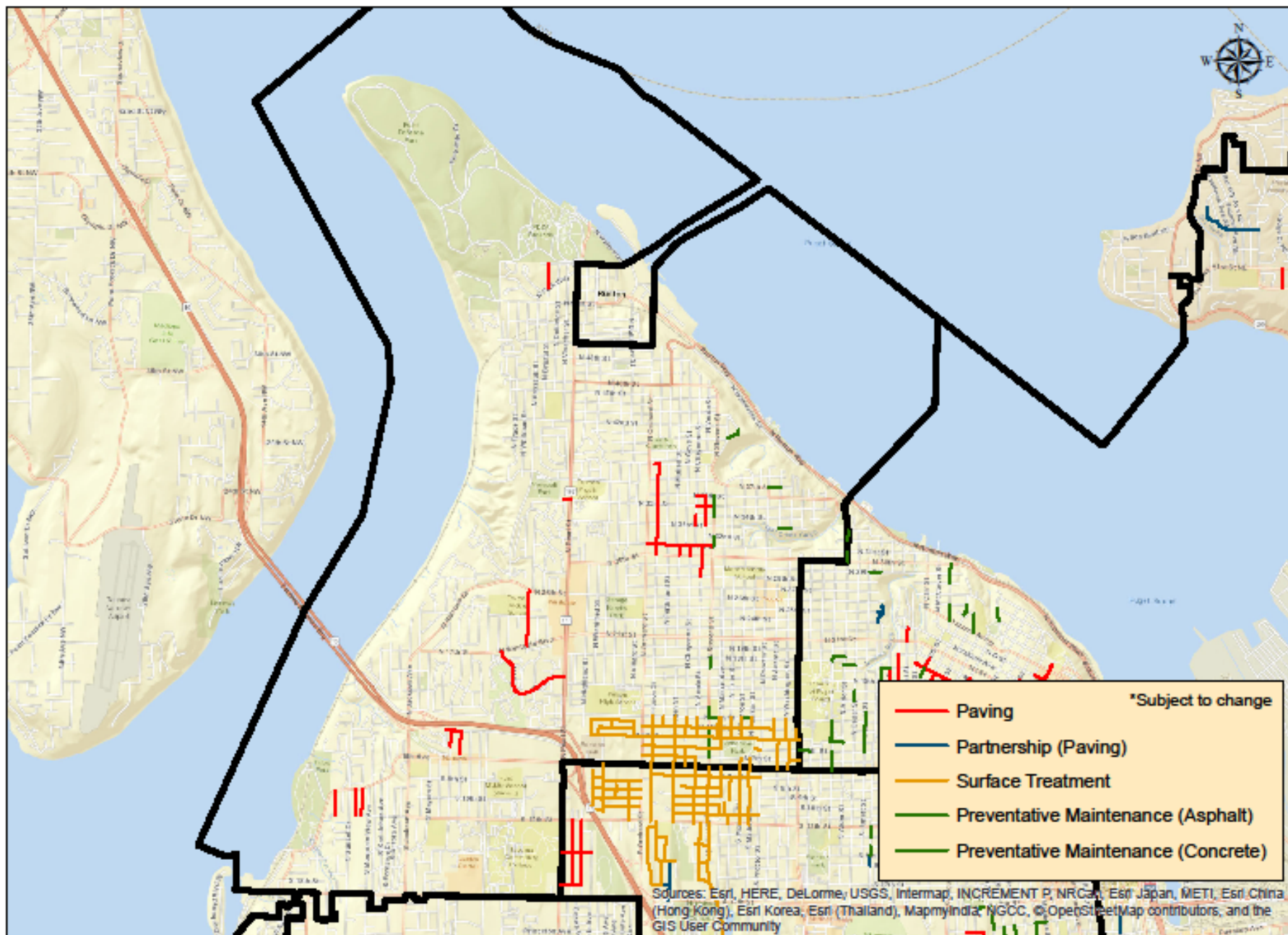
1. Were you adequately notified about the work planned for the street?
2. How would you rate the cleanliness of the work site?
3. Do you believe the work performed improved the condition of the street?
4. How much do you know about:
 - a. The Tacoma Streets Initiative
 - b. Projects funded by the Tacoma Streets Initiative?
5. What is your address/ cross streets? (optional)
6. Comments



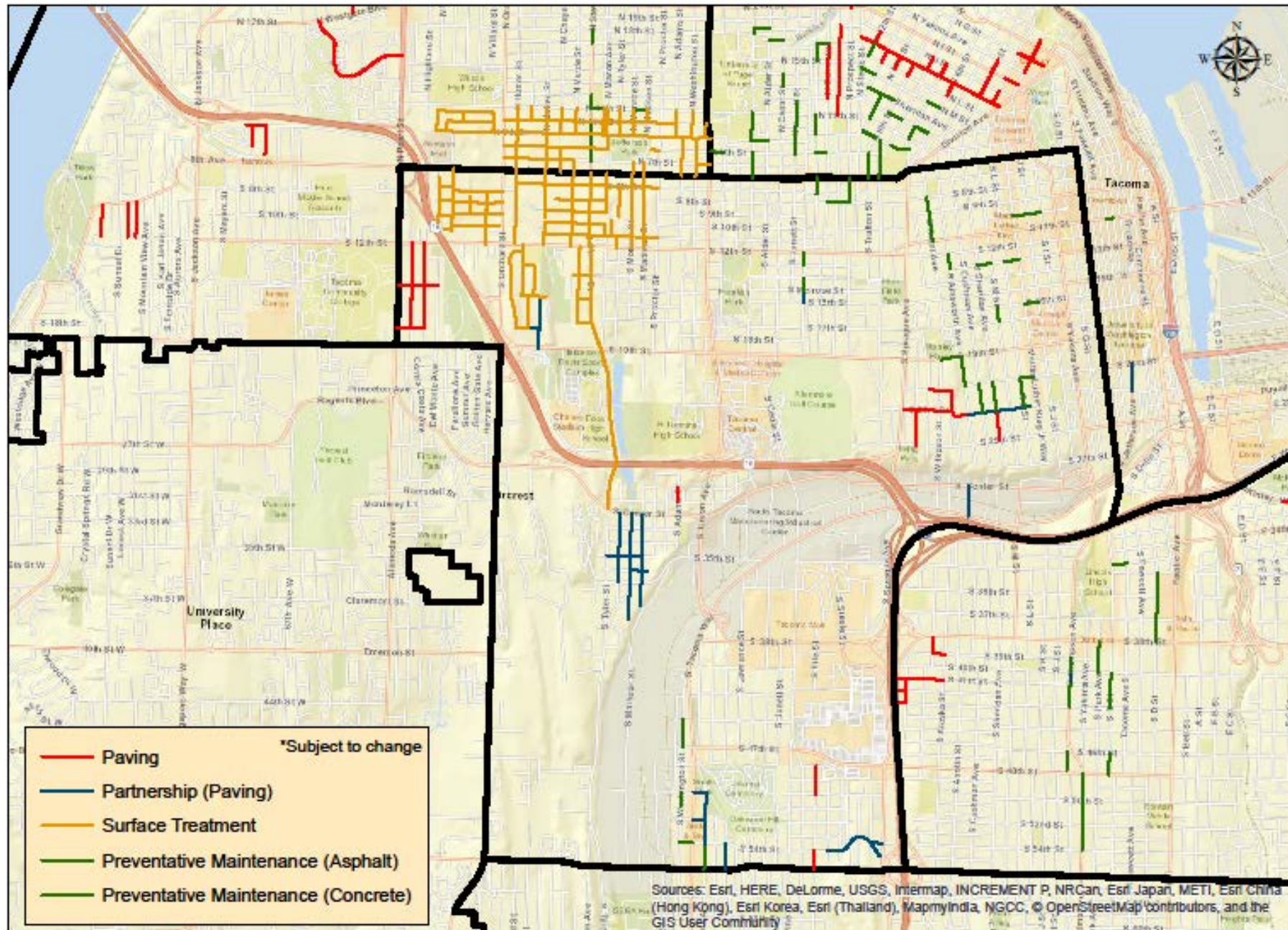
Streets Initiative 2018



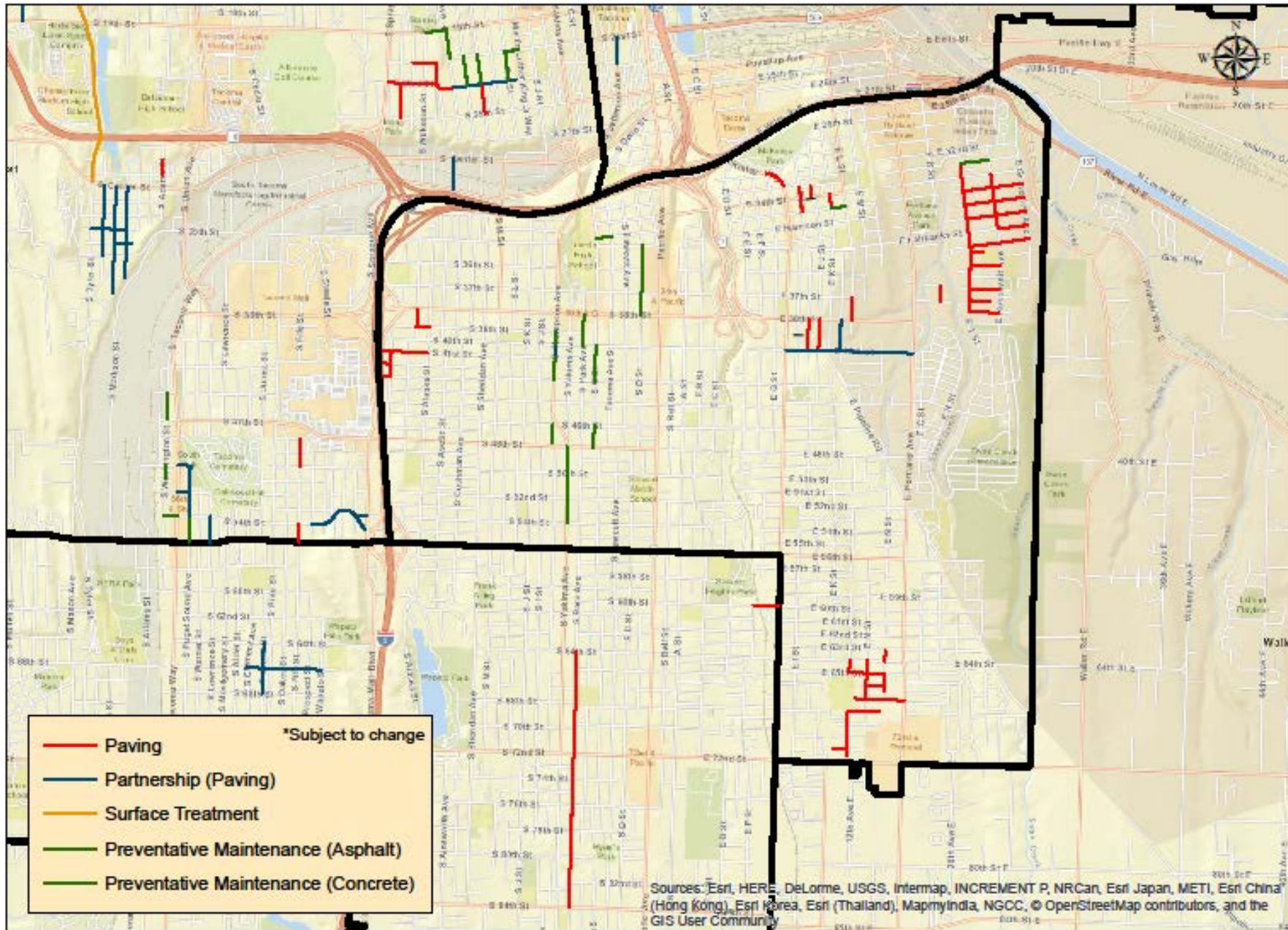
Streets Initiative 2018 - District 1



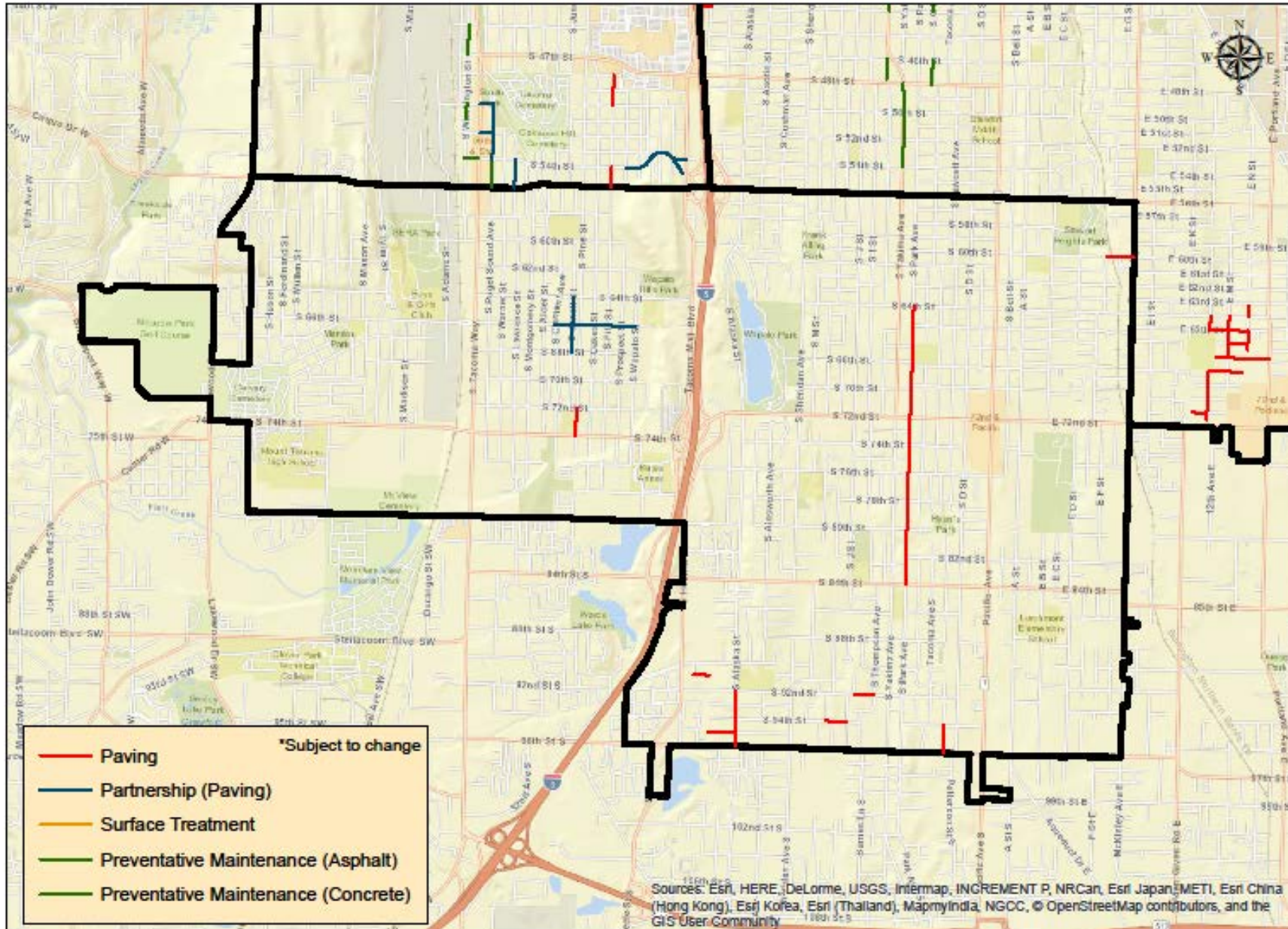
Streets Initiative 2018 - District 3



Streets Initiative 2018 - District 4



Streets Initiative 2018 - District 5





Tacoma Streets Initiative 2017
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Draft Funding Detail Report for New Projects for the Draft Six-Year Comprehensive Transportation Improvement Program Amended 2018 and 2019-2024

ID	Project Name	Sponsoring Dept./ Requested By:	Council District	Location	Project Detail	Transportation Master Plan Tie-In	Funding Source	Total Cost
1	56th Missing Link Sidewalks	City Council	District 5	56th from McKinley to Portland	This project will complete the missing sidewalks along 56th from McKinley to Portland.	Policy 3.7 Special Needs of Transportation Users, Policy 3.9 Pedestrian Facilities	Potential City Contribution \$500,000	\$500,000
2	11th Street Bridge Study	Public Works/ Fire Department/ Port of Tacoma	District 2	East 11th Street from Portland Ave. to M	Determine the need for the East 11th Street Bridge and review different options for replacement of this bridge.	# 357: 11th St Rehab-As of 2014, this project includes repair of structural deficiencies. A routine bridge inspection found many deficiencies. This project will investigate these deficiencies and provide solutions.	Gas Tax \$60,000; General Fund \$25,000; Port of Tacoma \$25,000; Tacoma Water \$25,000	\$135,000
3	2019-2020 Citywide Striping & Markings	Public Works	Citywide	Citywide	This project would restripe the City's arterial roadways, bicycle facilities, crosswalks, other lane markings, and reflectors.	Policy 2.3 Improve Safety	Potential City Contribution \$1,000,000	\$1,000,000
4	2019-2020 School Beacons	Public Works	Citywide	Citywide	This project will continue installing school zone flashing beacons on arterials as identified on the school priority list developed by the City and School District.	Policy 2.6 Safer Routes to School	Potential City Contribution \$1,040,000	\$1,040,000
5	2019-2020 Interim Active Transportation Improvements	Public Works	Citywide	Citywide	This project will construct interim, low-cost improvements to the bikeway and pedestrian network, including safety improvements such as of traffic calming, bike lanes, bike boulevards, crossing improvements, trail crossings, and wayfinding.	Various small works bicycle and pedestrian projects outlined in Appendix B Detailed Project List	Potential City Contribution \$500,000	\$500,000
6	6th and Pearl Bike and Pedestrian Improvements	Public Works	Multiple Districts	Pearl between 6th and N 11th	This project will improve north-south connections to Scott Pierson Trail between 6th and N 11th.	#149: Pearl Street complete sidewalk & bike lanes	Potential Grant \$1,427,250; Potential City Contribution \$222,750	\$1,650,000
7	ADA Right-of-Way Improvements - Steele St	Public Works	District 5	Citywide	This project would address requests for ADA access.	Policy 3.7 Special Needs of Transportation Users, Policy 3.9 Pedestrian Facilities, Policy 6.1 Land Use Considerations, Policy 6.7 Street Rights-of-Way	Contribution from Fund 1100 \$362,000	\$362,000
8	Arterial Overlay Program	Public Works	Multiple Districts	Citywide	Provide overlay of arterial streets in Tacoma.	Policy 3.15 Inter-modal Conflict, Policy 4.9 System Maintenance & Rehabilitation	Potential Grant \$1,500,000; Potential City Contribution \$234,100	\$1,734,100
9	Bridge Capital Projects	Public Works	Citywide	Citywide	This project supports capital improvements to the City of Tacoma's 43 bridges. This includes replacement, rehabilitation, and maintenance of all bridges.	Policy 4.9 System Maintenance & Rehabilitation	Potential Gas Tax \$400,000	\$400,000

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10	East 11th Street Bridge Replacement	Public Works	District 2	E. 11th St. from Portland Ave. to Milwaukee	Replace the 11th Street over the mouth of the Puyallup River	#357: 11th St Rehab-As of 2014, this project includes repair of structural deficiencies. A routine bridge inspection found many deficiencies. This project will investigate these deficiencies and provide solutions	Potential Federal Grant \$150,000,000	\$150,000,000
11	LID-8661 Paving for Proctor	Public Works/ Property owners	District 1	Proctor Street, North 38 to DE	Grind and overlay of Proctor St from N 38th to and including the cul de sac.	Policy 4.8 Reliable Funding, Policy 4.9 System Maintenance & Rehabilitation	Property Owner Contribution \$30,000	\$30,000
12	North 21st Street Pedestrian Safety Improvements	City Council	District 1	N 21st Street	Improvements to pedestrian crossings along N. 21st Street from Proctor to Pearl Street.	Policy 3.9 Pedestrian Facilities	General Fund \$500,000	\$500,000
13	Pedestrian Accessibility Improvements	City Council	Multiple Districts	Citywide	This project will replace curb ramps between McKinley and Pacific along S. 38th Street and various ADA curb ramps in the City of Tacoma ROW to current ADA standards as well as replacing substandard driveways.	Policy 3.7 Special Needs of Transportation Users, #423: This project will improve pedestrian crossing at intersections identified by the community through the 2014 public outreach workshops, surveys, and projects that were not completed as part of Phase 1.	Streets Initiative \$1,305,000; Contribution from Fund 1100 \$189,000; Pierce Transit \$5,000	\$1,499,000
14	Puyallup River Bridge Replacement	Public Works	District 2	Puyallup Avenue to east city limits	Replace all spans of the Puyallup River Bridge	#150: This project replaces two of the six Puyallup River Bridge segments (westerly two segments) and a portion of the bridge segment just to the west with a new cable stay bridge. F16D replacement is a separate item in the TIP.	Potential Federal Grant \$150,000,000	\$150,000,000
15	Railroad Crossing Improvements	Public Works	Multiple Districts	Multiple locations	Review existing rail crossings, gather public comment, and recommend updates at 6th & Titlow, S. 19th & Narrows Marina, McCarver & Ruston Way, and E. C and E. D Sts in the Dome District.	Policy 4.9 System Maintenance & Rehabilitation	Gas Tax \$500,000; State Grant (UTC) \$50,000; State Grant \$1,106,750; Streets Initiative \$60,000	\$1,716,750
16	S. 19th St - S. Cedar to Bates Technical College Campus	Public Works	District 3	S. 19th St. and Cedar	Install ~1,200 LF of missing link sidewalk and ADA ramp/signal improvements at the Cedar/S. 19th St. intersection.	Policy 3.7 Special Needs of Transportation Users	Potential Grant \$346,000; Potential Streets Initiative \$156,190	\$502,190
17	S. 21st Prairie Line Trail Crossing	City Council/ Public Works	District 1	Hood Street and South 21st Street	This project will construct a new overpass, underpass, or bypass for the Prairie Line Trail at South 21st Street.	Policy 3.15 Inter-modal Conflict	Streets Initiative \$200,000; Potential Streets Initiative \$5,000,000	\$5,200,000
18	Scott Pierson Trail Access	Public Works	Multiple Districts	Various connections to Scott Pierson Trail	This project will improve connections from City right of way to the Scott Pierson Trail.	#15: Evaluation to provide a connection across SR16 between Scott Pierson Trail and the Historic Water Flume Trail and #35: Protected bicycle facilities between 6th Ave- S 74th St.	Potential Gas Tax \$500,000	\$500,000

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19	Site 10 Seawall & Esplanade Removal	Public Works	District 2	Foss Waterway	This project will address subsidence behind the seawall at Site 10. Repairs will remove the existing seawall, install a revetment system to provide a service life of 30 years and removing the existing Esplanade.	Policy 4.9 System Maintenance & Rehabilitation	General Fund \$1,710,000	\$1,710,000
20	South 19th Street: Union to Mullen	Public Works	District 3	South 19 Street from Union to Mullen	Project consists of grinding the outer lane on each side of the street, overlaying the roadway with HMA and constructing ADA compliant ramps. Traffic signals will also be upgraded.	Policy 4.9 System Maintenance & Rehabilitation Policy 4.10 Fix It First	Federal Grant \$2,517,865; Streets Initiative \$850,000	\$3,367,865
21	South Cedar and Pine Pedestrian Improvements	Public Works	District 3	S Cedar / Pine St between S 23rd and S 3	Installation of new sidewalk along South Cedar, providing improved non-motorized connections between the Tacoma Mall subarea and the Tacoma Central Mixed Use Center.	Policy 3.9 Pedestrian Facilities #328: Improved roadway to arterial standards	Potential Grant \$475,750; Potential City Contribution \$74,250	\$550,000
22	Union and Scott Pierson Trail Crossing Improvements	Public Works	District 3	S Union & Scott Pierson Trail	This project will upgrade the median, add bicycle detection, and implement leading pedestrian intervals.	#15: Evaluation to provide a connection across SR16 between Scott Pierson Trail and the Historic Water Flume Trail and #35: Protected bicycle facilities between 6th Ave- S 74th St	Potential City Contribution \$100,000	\$100,000
23	Walters Road	City Council	District 1	S. 19th Street to 6th Ave.	Project will include widening and replacing the existing roadway section to include two 11' vehicle lanes, new curb and gutter, 7' sidewalks, and 5' bike lanes on both sides of the road. Other elements include LED lights and a new stormwater system.	#339: This project will improve Walters Road from South 19th Street to 6th Ave. Work shall include widening and replacing the existing roadway section to include two 11' vehicle lanes, new curb and gutter, 7' sidewalks, and 5' bike lanes on both sides of the road. LED street lights will be installed. Cement concrete driveways will be constructed to be ADA compliant and adhere to City of Tacoma standards. Retaining walls will be constructed where needed. A new storm water system will be constructed in an enclosed system using storm piping and catch basins.	Potential Grant \$3,500,000; Potential City Contribution \$467,500	\$3,967,500
24	Yakima Ave Bridge Overlay	Public Works	District 3	S. Yakima Ave and South Tacoma Way	Provide a concrete deck overlay with expansion joint replacement and minor bridge repair.	Policy 4.9 System Maintenance & Rehabilitation Policy 4.10 Fix It First	Streets Initiative \$466,950; Federal Grant (BRAC) \$2,990,000	\$3,456,950

2018 Grant Planning (updated 2/21/18)

Potential Grant Projects

Project	2018 Status / Notes	TMP STATUS
11th Street Viaduct and Bridge	Repair, replacement, removal, or relocation needed. 2017/2018 study will determine preferred option; Tiger Grant?	# 357: 11th St Rehab-As of 2014, this project includes repair of structural deficiencies. A routine bridge inspection found many deficiencies. This project will investigate these deficiencies and provide solutions
30th / McCarver Signal upgrade	Signal reconstruction to allow greater flexibility in phasing and improved operations at this intersection.	Not in TMP
6th and Pearl bicycle and pedestrian connectivity and safety improvements	Connect bicycle facilities from approximately 6th Ave to the Scott Pierson Trail	#149: Complete sidewalk & bike lanes
6th Avenue pedestrian safety improvements	Provide roadway crossing opportunities west of Pearl - possible HSIP	#254: 6th Ave. Traffic Calming – Install landscape medians on 6th Ave. between Jackson and Orchard
Active Transportation Education and Outreach - Bicycle Rail Safety	Similar to current Commute Trip Reduction	Not in TMP
Arterial Overlay Program	Provide asphalt overlay for arterial streets	Policy 3.15 Inter-modal Conflict
East 64th Street, Phase 2		#79: As of 2014, this project consists of providing a fully improved 42' wide arterial street with "Complete Street" concepts . This will consist of a 10' common left turn lane, two 11' driving lanes, two 5' bike lanes, and two 7' combination sidewalks. Most, if not all, existing sidewalk will be replaced to ADA Standards. Streetlighting, storm drainage, and utility relocation will be provided, as necessary.
East Foss Park/Wheeler Osgood	For acquisition and clean up - WWRP	Not in TMP
Links to Opportunity	Full construction \$	#24: This project will implement the "Complete Streets" concept in the area anchored by our two major healthcare facilities. Improvements will include bike lanes, sidewalks, street bulb outs, transit improvements, signalization improvements, channelization, stormwater improvements, utilities and more to transform several arterial streets into a multimodal network that improves efficiency for all modes of transportation. The project will improve connections to the LINK Light Rail transit center and to the Tacoma Dome Station, (Regional Transit Center).
McCarver - Schuster bike/ped	FMSIB-grade separation	Not in TMP
Mildred Street (N. 9th & S. 12th)	Continue Mildred Street project	#163: Bike Lane between S 19th St - S 9th St & #204: Mildred Street from North 9th Street to South 12th Street includes street rehabilitation, sidewalk and bicycling improvements, and utility upgrades.
Norpoint Way	Poor, but not failed	#286: Complete Curb and Gutter, Sidewalks, Streetlights
Pine Street sidewalk	19th - Center - TIB?	#15: Evaluation to provide a connection across SR16 between Scott Pierson Trail and the Historic Water Flume Trail and #35: Protected bicycle facilities between 6th Ave- S 74th St
Pine Street sidewalk	South Tacoma Way - 23rd - TIB?	#328: Improved roadway to arterial standards
Portland Avenue Reconstruction	Extents depend on grant criteria; potentially from 11th to Lincoln and from Lincoln to I-5.	#3: Mid-term safety improvements, HCT corridor enhancements, access management strategies; #311: Add traffic signals and modify channelization;
Prairie Line Trail - Interim Pedestrian Crossing Treatments	Potential Separate application to focus on crossing locations only; especially South 21st and Pacific @ TAM. Grade separation considered separately (see below)	#447: Separate phase to pre-existing project; #27: Shared-Use Path
Prairie Line Trail Art Park	WWRP	Not in TMP
Prairie Line Trail, Phase 2	CMAQ could work	#420: This project will construct the southern 1/3 mile of the Prairie Line Trail from the UW-Tacoma to South 26th St.
Puyallup Avenue Bridge	2 of 5 spans funded; design and construction needed for remaining spans	#150: This project replaces two of the six Puyallup River Bridge segments (westerly two segments) and a portion of the bridge segment just to the west with a new cable stayed bridge. F16D replacement is separate item in TIP of \$10,820 thousand
Puyallup Avenue Roadway	Apply for design; design can begin after ST Central Link alternatives (alignment and station location) are selected - approx. \$2M in design work	#29: Mid-term safety improvements, HCT corridor enhancements, access management strategies; #28: Bike Lane between Holgate - Pacific Ave; #67: The Puyallup Avenue project scope includes Pacific Avenue to Portland Avenue. The new road will be designed to reduce pavement area, add facilities for active lifestyles (such as bike lanes), rain gardens, and other boulevard treatments.
South 12th, Union-Mildred (S 12th to S 19th)	Roadway deteriorated beyond chip seal opportunity; consider resurfacing project with rechannelization	#8: A signal integration and coordination project and other ITS applications; #231: Streetscape improvements and construct bike lanes; #232: Protected bicycle facilities between S Jackson Ave - Ferry St
South 21st, Jefferson-Tacoma	TIB competition not successful; consider other grant opportunities	#69: From Market/Jefferson Avenue to MLK to support MLK Subarea Plan
South 38th Street	Reconstruction westerly from Tacoma Mall Boulevard to include upgrades in Tacoma Mall Subarea Plan. Feasibility study in 2018 per Dana	#2: Mid-term safety improvements, HCT corridor enhancements, access management strategies
SR-509 Intersection Operations and Signal timing (Port)	Reduce delays by adding turn lanes, updating rail pre-emption, and refining signal timing and coordination	#42: Overpass or shared-use path project as part of any WSDOT new or reconstruction project; #311: Add traffic signals and modify channelization; #112: Protected bicycle facilities between Fawcett Ave - Marine View Drive; #175: Includes fiber interconnect, VMS and cameras. Currently is an unfunded portion of the WSDOT ITS Strategic Plan; #335: Install traffic control devices on all legs of the intersection to improve access and intersection movements.; #336: This project includes intersection improvements as identified by Blair Hylebos Terminal Redevelopment Plan (BHTRP), SSA/Puyallup Tribal Terminal, and Tideflats Area Transportation Study (TATS). Anticipated developer funding includes \$4.8M.
St. Helens roadway reconstruction	Potential partnership with LID	#94: Bicycle Boulevard between S G St - S 7 St; #169:L St. Helens Gateway Renovation Project – Improve the intersection of St Helens, 6th Ave., and Baker St. to include a rain garden, art, landscaping, converting Baker to one-way, and pedestrian crosswalk treatments consistent with the Broadway LID.
Tideflats area ITS backbone	Rail Crossings currently being evaluated by PH Consulting-should have list Jan-April 2018	#8: A signal integration and coordination project and other ITS applications; #231: Streetscape improvements and construct bike lanes; #232: Protected bicycle facilities between S Jackson Ave - Ferry St
Union and Scott Pierson Trail crossing improvements	Upgrade median, add bicycle detection, and implement leading pedestrian interval	#166: This project will provide the local match for unfunded or under funded trail connections in the City ROW along the SR16 Scott Pierson Trail.
Water Flume Line, Phase 3	Complete final phase	In 6YR TIP

FUNDING SOURCES AND APPLICATION DEADLINES

PSRC / PCRC:		Next Anticipated Application
Transportation Alternatives Program (TAP)	transportation alternatives, including on and off road ped and bicycle facilities, infrastructures projects to improve non driver access to public transportation & improved mobility, recreational trail program projects, safe routes to school projects, community improvement activities&environmental remediation	
Surface Transportation Program (STP)	Most flexible of all highway programs and provides most financial support to local agencies. Includes highway and bridge construction and repair, transit capital projects, bicycle pedestrian and recreational trails, ferryboat and terminal construction	Spring 2018
Congestion Mitigation Air Quality Improvement Program (CMAQ)	transportation projects and programs that help meet the requirements of the Clean Air Act. Transit improvements, traffic flow imp., public fleet conversions to cleaner fuel, improve incident and emergency response or mobility; All public agencies within the five MPOs representing maintenance areas including: Puget Sound Regional Council (PSRC)	Spring 2018
WSDOT:		Next Anticipated Application
Commuter Trip Reduction Program (CTR)	improving air quality, reducing traffic congestion, decreasing fuel consumption through employer based programs that encourage alternatives to driving along to work.	
Highway Safety Improvement Program (HSIP) Funding	all cities and counties with fatal or serious injury collisions may apply	early Jan. 2018 & each future even numbered year
Local Bridge Program	preserve and improve the condition of bridges that are physically deteriorated or structurally deficient through rehabilitation & systematic preventive maintenance	
Pedestrian and Bicycle Safety	improve transportation system to enhance safety and mobility for people who choose to walk or bike	
Regional Mobility grants	supports local efforts to improve transit mobility and reduce congestion on our most heavily traveled roadways	
Tiger (Transp. Investment Generating Economic Recovery) Grant Funding	Road, Rail, Transit and Port projects; 2017 Deadline-10/16/17	
WA State Recreation and Conservation Office:		
Washington Wildlife & Recreation Program (WWRP)	acquire, develop, or renovate non-motorized public recreation pedestrian or bicycle trails that provide connections to neighborhoods, communities, or regional trails. Trails funded in this category cannot be part of a street or roadway such as a sidewalk or unprotected road shoulder	deadline 5/1/2018
Freight Mobility Strategic Investment Board:		
FMSIB	freight projects that will enhance or mitigate the mobility of freight in WA state. Must be on a strategic freight corridor and be listed as part of a state or local transportation plan	
Transportation Improvement Board (TIB):		
Complete Streets Program	arterial retrofits to improve access for all users - pads, bikes, motorists, public tranp.&truck. All cities with adopted complete streets ordinance are eligible	Open Nominations approx. July 2018
Urban Arterial Program (UAP)	enhance arterial safety, support growth and development, improve mobility and physical condition; requires sidewalk on both sides of streets and funds bike lanes when consistent with local transp. Plan. for cities with population of 5,000 or greater	deadline approx. August 2018
Urban Sidewalk Program (USP)	construct and replace sidewalks to improve ped safety, create system continuity, extend the system and complete gaps. Must be transportation related, not recreational and must be on federally classified route; for cities with population of 5,000 or greater	deadline approx. August 2018



Pierce Transit, working in partnership with the City of Tacoma, Pierce County, Washington State Department of Transportation, Sound Transit, Puget Sound Regional Council, and other agencies, is conducting a high capacity transit (HCT) study of a 14-mile corridor along Pacific Avenue | SR 7 between downtown Tacoma and Spanaway.

Why Conduct This Study?

Pacific Avenue | SR 7 is Pierce Transit's highest fixed route ridership corridor, with about 6,000 boardings on an average weekday. Transit improvements would:

- » Add capacity and relieve current overcrowding on buses
- » Make the service faster and more reliable
- » Increase access to transit for pedestrians and bicyclists
- » Provide signature stations with such features as real-time arrival information, ticket vending machines and ORCA readers, and other amenities to increase comfort and reduce passenger boarding time

Preferred Corridor Service: Bus Rapid Transit (BRT)

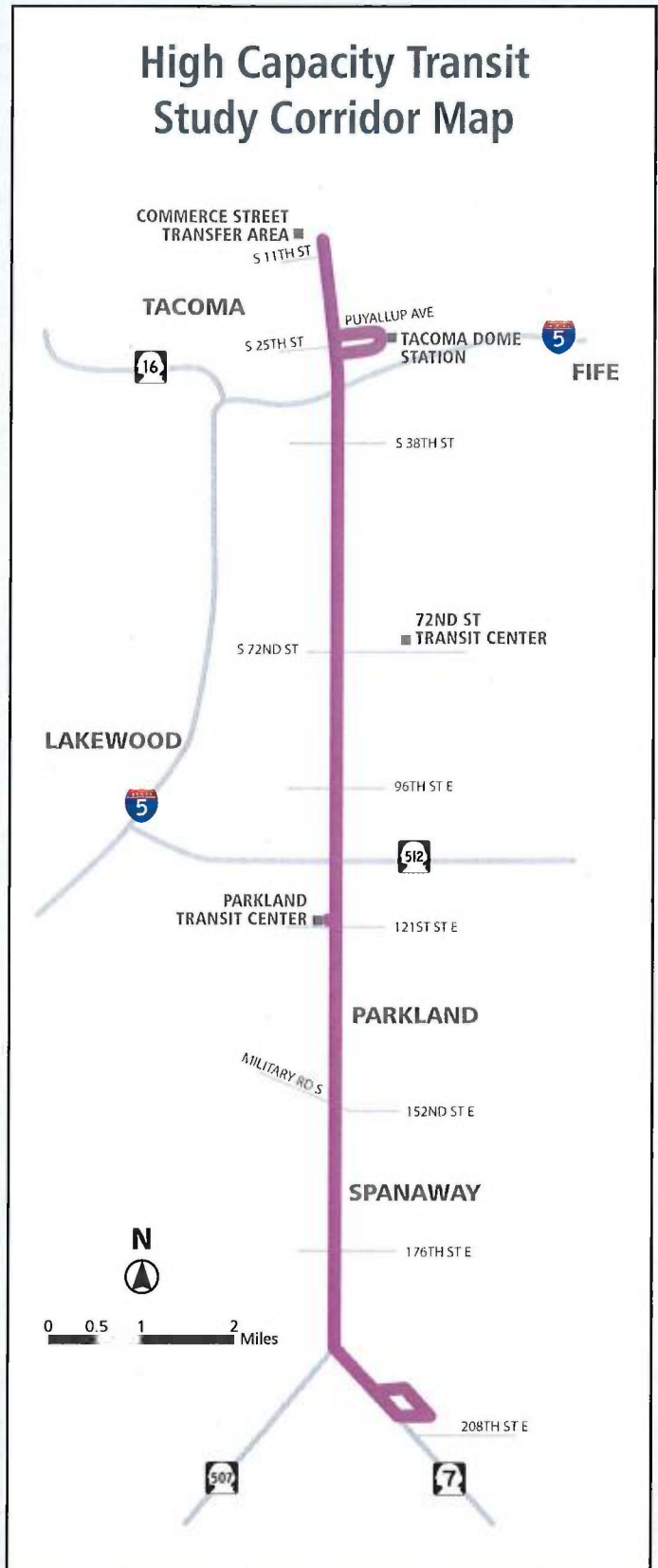
After analyzing various rail and bus-based options, BRT was determined to best serve the Pacific Avenue | SR 7 corridor. BRT provides many of the features of light rail, but at a much reduced cost. In addition, the flexibility of BRT service allows it to operate within existing corridor constraints and reduce impacts.

Typical BRT Elements



BRT service on Pacific Avenue | SR 7 would include the following:

- » More frequent service that is travel time competitive with automobiles
- » Transit signal priority, which allows the bus to reduce delays from traffic lights
- » Optimized spacing between stations or stops
- » Enhanced stations with shelters, raised platforms for easier (level) boarding, and improved lighting
- » An off-board fare collection system that speeds boarding by allowing riders to enter at any door
- » Unique vehicles that carry more passengers, have room for bicycles on board, and provide easier access for people who use wheelchairs or other mobility devices
- » A uniquely branded system that is easy to understand and use



Why Consider HCT for Pacific Avenue | SR 7?



Pacific Avenue | SR 7 is Pierce Transit's highest ridership corridor
5,950 average weekday boardings
 and over **18%** of total fixed route ridership system wide



Approximately **55,000** residents live within a half-mile of the corridor, and that number will increase by an estimated **25%** by 2040



The current **31,500** jobs located along the corridor will increase to an estimated **59,000** by 2040



Approximately **22%** of residents within a half-mile of the corridor are below the federal poverty level



Approximately **11%** of the people living along the corridor are dependent on transit for their travel needs



Over a five-year period from 2012 through 2016, there were **13** fatal crashes along the corridor, **6** of which were pedestrians or bicyclists



5 nodes within the project study area have been designated as Growing Transit Communities by the Puget Sound Regional Council

Study Process



How You Can Get Involved



More information available at piercetransit.org/hct-feasibility-study/ or email questions to hct@piercetransit.org



Opportunities to provide feedback at any time, contact: **Darin L. Stavish, AICP**, Principal Planner
 T: 253.983.3329

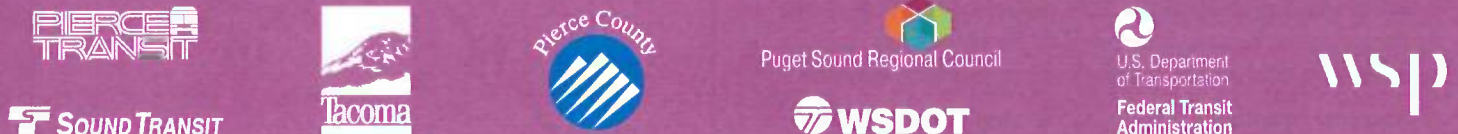


Share your thoughts and provide your input at the upcoming Open Houses. Check the website for exact locations and times



Scan the QR Code to visit the website

Partners:





Pacific Avenue || SR 7 Corridor HIGH CAPACITY TRANSIT FEASIBILITY STUDY

Feasibility Study and
Bus Rapid Transit Project Update

Tacoma Transportation Commission

Wednesday, February 21, 2018

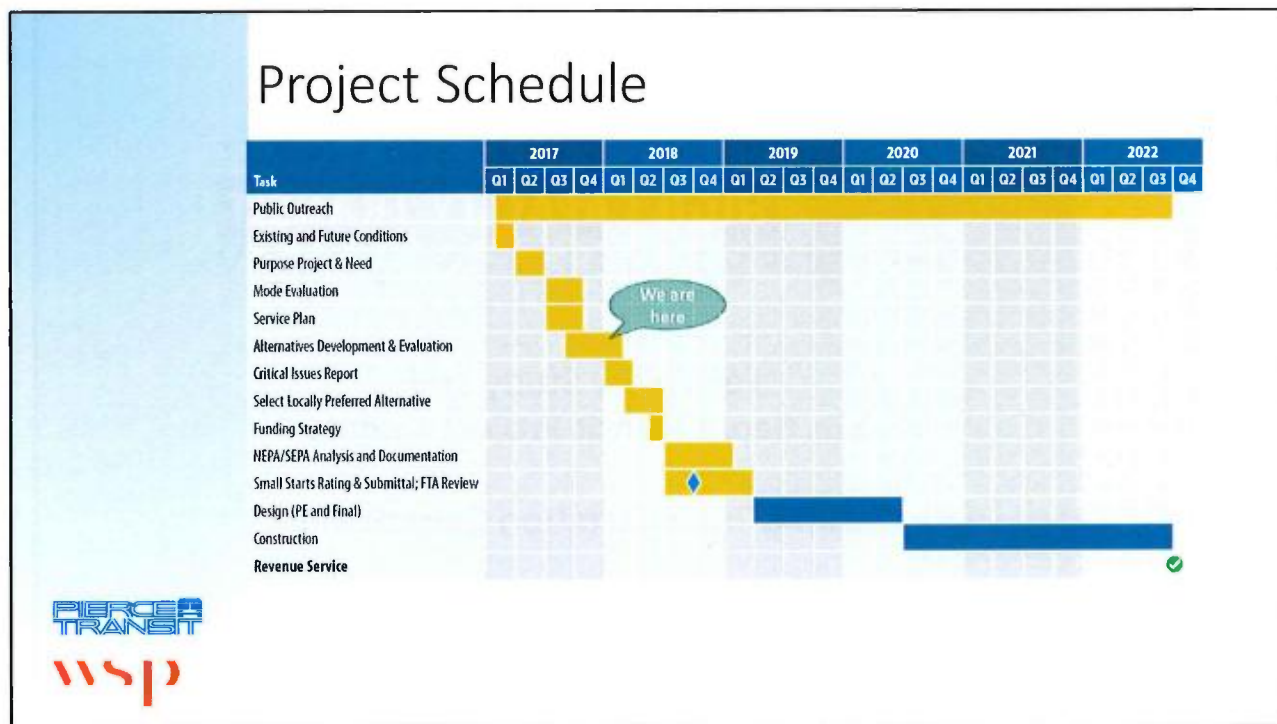



High Capacity Transit
Study Corridor Map



Pacific Avenue/SR 7 Corridor

- Study Area: 14 miles from downtown Tacoma to Spanaway, including Tacoma Dome Station
- Route 1 is Pierce Transit's highest ridership corridor with 5,300 average boardings per weekday (carries 19.8 % of systemwide total)
- Varied development and land use patterns
- High service level (15-minute weekday frequency)
- Local funding available for project (\$75 million)



- ## Key Milestones
- Request to enter into Project Development with FTA: March 2018
 - Select Locally Preferred Alternative: June 2018
 - Submit Small Starts Ratings: September 2018
 - NEPA Submittal to FTA: November 2018
 - 60% Design/Small Starts Grant Agreement submittal: December 2019
 - BRT Revenue Service Begins: December 2022
- 


Mode Selection



Bus Rapid Transit (BRT)

Mode Evaluation and Selection


	No Build (Current Service)	LRT	Streetcar	BRT	Enhanced Bus
Total Score	29	40	42	51	41
Average Score by Goal	2.4	3.3	3.5	4.3	3.4

- All five were rated against project goals and objectives
- Technical Advisory Committee (including City of Tacoma Planners and Engineers) and community (as noted in open houses) supported the BRT recommendation
- Consistent with conclusions in previous planning studies




BRT: Integration of Elements


Vehicles



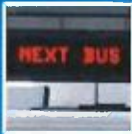
Running Ways




Stations & Stops




ITS & Fare Payment





Service Plan




Branding



12 Pacific Ave/SR 7 HCT Feasibility Study





Concept Plans: First Screening



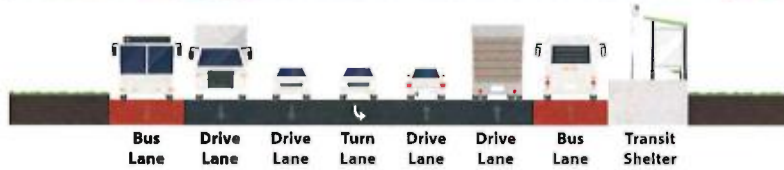
Will be revealed at next round of Open Houses on March 27, 28, and 29.

Mixed Traffic: Right Lane

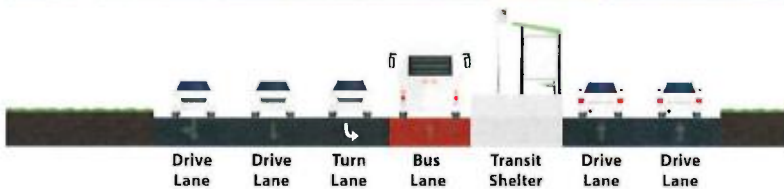


Drive Lane Drive Lane Center Turn Lane Drive Lane Drive Lane

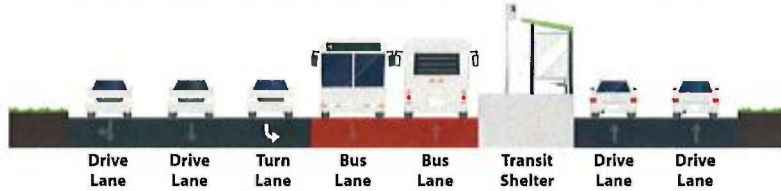
Curbside Running: BAT Lane



Mixed Traffic: Left Lane



Median Lane: Right-Side Boarding



Median Lane: Left-Side Boarding



Recommended BRT Vehicle



60-foot Articulated Coaches

Articulated Buses



- Most popular BRT vehicle style (60-foot) holds up to 100 passengers
- Propulsion options: Diesel, CNG, Hybrid Electric, All-Electric (battery)
- Manufacturers that meet *Buy America*:
 - New Flyer (all propulsion options)
 - NovaBus (all propulsion options)
 - BYD (electric propulsion only)
- Available five-door option (three on right side, two on left side)
- Cost: \$830,000 to \$1,100,000



Timeline and Milestones

Study Process



Questions?

More information is available at piercetransit.org/hct-feasibility-study

