2016-2021
Transportation Improvement Program

June 15, 2015

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6/15/15

RESOLUTION NO. M-3860

A RESOLUTION adopting a revised and extended Comprehensive Six-Year Transportation Improvement Program for the City of Vancouver, pursuant to RCW 35.77.010 and revising the City's Arterial Street System Map.

WHEREAS, as explained in SR 096-15, pursuant to RCW 35.77.010, the Vancouver Department of Public Works has prepared a revised and extended Comprehensive Six-Year Transportation Improvement Program; and

WHEREAS, the purpose of the revised and extended program is to ensure that the City will have available advance plans as a guide in carrying out a coordinated street construction program; and

WHEREAS, the City's Arterial Street System and Classification Map (Arterial Classification Map) is maintained within the Six-Year Transportation Improvement Program; and

WHEREAS, the Arterial Classification Map is reviewed annually and proposals for classification designation changes are recommended where the use or function of a roadway is inconsistent with its current arterial designation; and

WHEREAS, notice of the time and place for a hearing on the 2016-2021 Transportation Improvement Program was published in accordance with law, setting time and place for a hearing thereon at 7:00 p.m. on June 15, 2015, at a regular City Council meeting. At such time

and place, the City Council conducted a public hearing and considered such street program (SR 096-15) and the City Council then determined to adopt said revised and extended program.

NOW, THEREFORE,

BE IT RESOLVED BY THE CITY OF VANCOUVER:

Section 1. Legislative Findings. The recitals set forth above are adopted as the legislative findings of the City Council of the City of Vancouver in support of adoption of this resolution.

Section 2. The City Council of the City of Vancouver hereby adopts the revised and extended Comprehensive Six-Year Transportation Improvement Program (2016-2021) prepared by the Vancouver Department of Public Works and attached hereto as Exhibit "A" and which is by this reference made a part hereof as if fully set forth herein.

Section 3. City Council hereby also adopts the City's arterial street system map contained in the 2016-2021 Transportation Improvement Program and contained in Engineer File No. 136/1 displayed and discussed at such public hearing which is a copy of the Arterial Street System Map originally adopted by Council Resolution M-781 on November 28, 1961, and which has subsequently been revised and re-adopted on an annual basis.

Section 4. The City Manager or his designee is hereby directed to forthwith file the revised and extended Comprehensive Six-Year Transportation Improvement Program (2016-2021) herein adopted, and the Revised Arterial Street System Map hereby adopted, with the Washington State Department of Transportation.

ADOPTED at regular session of the Council of the City of Vancouver, at 15th day of June, 2015.

014684

Timothy D. Leavitt, Mayor

Attest:

R. Lloyd Tyler, City Clerk
By: Carrie Lewellen, Deputy City Clerk

Approved as to form:

Bronson Potter, City Attorney

014685

TRANSPORTATION IMPROVEMENT PROGRAM OVERVIEW

The City of Vancouver 2016 – 2021 Transportation Improvement Program (TIP) is an update of the City's 2015 - 2020 TIP. The TIP is the programming document for transportation improvements over a six-year period. The State of Washington law (RCW 35.77.010) requires the City to prepare a TIP annually that is consistent with and implements the city's adopted comprehensive growth management plan. The TIP identifies capital transportation system improvement projects and includes a policy to work with affected property owners to preserve railroad right-of-way in the event a railroad ceases to operate.

A City of Vancouver Arterial Street System and Classification Map which designates roadways functionally classified as Arterials pursuant to VMC 11.70.010 and VMC 9.02.040 is adopted and attached hereto.

For information about the City's Comprehensive Plan, contact Vancouver Planning at 360-487-7950. For questions or more information about specific transportation projects, please contact Vancouver Public Works at 360-487-7130, or visit the City's website:

www.cityofvancouver.us

2016-2021 Transportation Improvement Program (TIP)
Letter from the Public Works Director

The City of Vancouver's 2016-2021 Six-Year Transportation Improvement Program (TIP) continues our focus on core services and systems vital to our community's quality of life and economic well-being. State law requires annual adoption of identified transportation capital improvement projects. Vancouver's TIP exceeds those requirements by providing a comprehensive look at past achievements and coming challenges important to keeping residents and businesses moving efficiently and effectively throughout our community, even those projects where funding has not yet been identified.

Operating and maintaining our street system, Vancouver's largest asset, is also critical to our community. Recent highlights include:

- In January 2015, Public Works successfully went live with a technology upgrade to better track our maintenance and operations work on our transportation assets. The technology upgrade improves the City's asset management practices by incorporating maintenance and operations data into decisions regarding repair, rehabilitation and/or replacement of existing assets.

- Employees are continuing to refine and improve how we operate and maintain our community's investment in infrastructure. Through a multi-year asset management initiative, the City of Vancouver is evaluating transportation system assets, assessing conditions, determining future needs, and carefully managing costs.

From a capital perspective, the City of Vancouver is currently working on several key transportation projects, including:

- Northeast 18th Street, Four Seasons Lane to Northeast 136th Avenue, fully funded project with construction anticipated to begin in early 2016

- Waterfront arterial improvements, currently in construction

- East Mill Plain Boulevard, 104th Avenue to Chkalov Drive, fully funded project with construction anticipated to begin in late 2016

- Northeast First Street, 164th to 192nd avenues, in design and funded for partial right-of-way acquisition

- Northeast 137th Avenue, Northeast 49th Street to Fourth Plain Boulevard, in design

- Various sidewalk, traffic and pedestrian signal improvements underway

- Ongoing Neighborhood Traffic Management Program utilizing limited available funding to complete projects championed by neighborhoods, conducted in partnership with the independent, citizen-led Neighborhood Traffic Safety Alliance

In addition to the above, two transportation-related City studies are currently underway:

- Evergreen Corridor Management Plan, between Chelsea and 192nd avenues – Comprehensive corridor analysis of improvements needed to best move vehicles, pedestrians and bicyclists.

- Westside Mobility Study – Analysis of movement of people and goods in Vancouver, west of Interstate 5.

Looking forward, there is uncertainty as to one-time or ongoing resources available for future work. This is reflected in the small number of capital projects programmed beyond 2016. Further, there is currently no identified continued and dedicated funding for system improvements to mobility, access and livability, and only limited resources available for safety and neighborhood traffic calming projects. Street projects currently with grants and local dollars in place will be halted once current funding is exhausted. Other projects contained within the TIP are identified as "unfunded". Without local matching dollars, the City's ability to obtain grants is very unlikely with the exception of the occasional smaller safety grants which may not have a match requirement.

Vancouver's citizens have made a significant investment in our community's street system, our City's single largest physical asset, with an estimated replacement value of more than $1 billion. Some rural roads annexed decades earlier are inadequate for today's urban population and require upgrades and/or reconstruction. While the City has placed a high priority on our pavement management program, allocating nearly $7 million per year in an attempt to take care of what we have, this level of investment has been insufficient to maintain the City's street network pavement condition index (PCI) leading to a consistent decline in PCI values over time. Currently the City's system-wide average PCI index is rated "Fair". That average will decline to "Poor" by 2034 based on the current level of investment. It would take an additional $4 million per year to maintain the current PCI average. Additionally, in 2015, there is a backlog of more than $130 million of deferred maintenance and reconstruction that is projected to grow to more than $250 million in 20 years if no additional funding is identified.

Vancouver's City Council has established a goal of addressing Vancouver's long-term street funding needs. A comprehensive street program assessment has been completed and the City is now seeking citizen input on potential sources for stable, long-term funding utilizing an online public survey tool, stakeholder presentations and a special Commission on Street Funding. Input received will help guide and inform recommendations from the Commission to the City Council.

Our future, in part, depends upon our ability to invest in public infrastructure in a way that both preserves our community's neighborhoods and supports its economic well-being. We will continue to seek out innovations and opportunities to ensure the strong foundation Vancouver needs to thrive.

Brian K. Carlson, P.E.
Director of Vancouver Public Works

TRANSPORTATION POLICIES
(Vancouver Comprehensive Plan 2011)

1. TRANSPORTATION SYSTEM: Develop and maintain an interconnected and overlapping transportation system grid of pedestrian walkways, bicycle facilities, roadways for automobiles and freight, transit service, and high capacity transit service. Include support programs such as traffic operations, transportation demand management, neighborhood traffic management, and the regional trails program. Work towards completing and sustaining individual components and programs to ensure success of the entire system.

2. SYSTEM BALANCE: Allocate resources to balance transportation choices. Promote development of a broader range of transportation options including pedestrian, bike, and transit systems, rather than focusing all resources on satisfying peak commuting demand with roadway capacity alone.

3. TRANSPORTATION SAFETY: Ensure high safety standards for motorists, pedestrians, and bicyclists through the development and capital improvement processes. Allocate city capital resources to high risk and collision location for motorists, bicyclists, and pedestrians.

4. TRANSPORATION FINANCE: Develop recurring and dedicated funding for a complete transportation program, including system operation and maintenance. Leverage local funding with innovative and aggressive finance strategies including partnerships, grant development, efficient debt, and fee-based funding sources.

5. TRANSPORATION CIRCULATION AND SYSTEM CONNECTIVITY: Develop a transportation grid that provides good connections to surrounding land uses and activity centers and allows for multiple circulation routes to/from each location. Close gaps and complete system connections through the development and capital improvement processes.

6. LAND USE AND TRANSPORTATION INTEGRATION: Develop and implement innovative transportation investment, design, and program incentives to achieve the urban environment envisioned in the Comprehensive Plan.

7. LIVABLE STREETS: Design streets and sidewalks and manage vehicular traffic to encourage livability, interaction, and sense of neighborhood or district ownership in linkage with adjacent land uses. Encourage multi-modal travel, and provide accessible, human scale opportunities for transferring between travel modes.

8. TRANSPORTATION ACCESSIBILITY: Build an accessible transportation system focused on inter-model connectivity and removing barriers to personal physical mobility.

9. TRANSPORTATION SYSTEM EFFICIENCY: Invest in and improve efficiency of the transportation system with multi-modal design, advanced traffic management and operations technology, demand management strategies and high-frequency transit service.

10. NEIGHBORHOOD TRAFFIC: Protect and enhance neighborhoods with an active program that focuses on safety, safe routes to school, traffic calming, education, and enforcement.

11. TRANSPORATION REGIONAL AND METROPOLITAN COORDINATION: Coordinate Vancouver's transportation plans, policies, and programs with those of other jurisdictions serving the greater Metropolitan area to ensure a seamless transportation system. Focus particularly on cooperation with the Southwest Washington Regional Transportation Council, Washington State Department of Transportation, Clark County and C-TRAN.

12. ECONOMIC DEVELOPMENT: In order to support the continued economic vitality of Vancouver, major transportation system investments should facilitate freight mobility, job creation, regional competitive position, and revenue growth.

13. VEHICILE MILES TRAVELED: Use transportation and land use measures to maintain or reduce single occupant motor vehicle miles traveled per capita to increase system efficiency and lower overall environmental impacts.

14. STREET DESIGN: Design city streets to achieve safety and accessibility for all modes. Arterial streets shall provide facilities for automobile, bike, pedestrian and transit mobility, and shall include landscaping and adequate lighting.

15. PARKING STANDARDS: Adopt coordinated parking standards which maintain neighborhood integrity, promote the use of a multi-modal transportation system, encourage desired economic development and growth throughout the entire urban area, and which economize the use of urban land by reducing the need for any excess provision of surface parking.

CAPITAL PLANNING AND ASSET MANAGEMENT FINANCIAL POLICIES (Adopted 5-7-2012)

31. Asset management best practice involves managing the performance, risk and expenditures on infrastructure assets in an optimal and sustainable manner throughout their lifecycle covering planning, design, construction, operation, maintenance, and disposal. The City shall integrate the principles and best practices of Asset Management such as those embodied in the International Infrastructure Management Manual in the management of its assets.

32. **Asset Inventory** will be maintained with maintenance, repair and deferred maintenance costs identified and updated on an annual basis.

33. **Maintenance** of city assets shall be addressed on a current need, rather than deferred into the future.

36. **Funding** for capital projects, including major facilities maintenance projects, will be allocated in a manner that balances community needs with City priorities, the potential for attracting matching funds, and the ability to reduce or limit expenses in future years.

37. The City's objective is to incorporate a "**Pay-As-You-Go**" approach (using available cash and current resources) in the Capital Improvement program.

38. The **Capital Budget** will be adopted at the same time the City Operating Budget is adopted. The Capital budget will only include fully funded projects. The Capital Budget will only contain projects identified in the Capital Improvement Program.

39. A **capital repair appropriation** will be maintained for unanticipated major repairs of general operating facilities and for emergency replacement of general fund equipment. Additions to the capital repair contingency reserve will be made based on Council directions.

40. Impacts on net **annual operating and maintenance costs** will be identified as part of the funding considerations for new capital projects such as buildings, parks and street enhancements. This includes identifying potential reductions in maintenance costs if improvements are funded. The necessary funds to operate the capital facility will be identified at the time the capital budget is adopted.

ASSET MANAGEMENT COMPREHENSIVE PLAN POLICY (Adopted 12-16-2013)

1. City public facility assets shall be systematically managed to balance full life cycle costs, performance, risk, and service levels, using best management practices and data.

City of Vancouver Title VI Plan

The City Manager is responsible for ensuring implementation of the City of Vancouver's Title VI Plan. The Public Works Director, on behalf of the City Manager, is responsible for the overall management of the Title VI Plan as outlined herein. The Public Works Director does not hereby assume responsibility for Title VI compliance outside the scope of this report. The day to day administration of the Title VI Plan lies with the Title VI Coordinator under the direct supervision of the Public Works Director.

In addition to the Title VI Coordinator, Title VI Specialists will be named in the following program areas:

Transportation Design and Engineering
Transportation Right of Way
Transportation Environmental Services
Transportation Administration, Public Information and Outreach
Human Resources
Procurement

Policy Statement, Authorities and Citations

A. Policy of Nondiscrimination

The City of Vancouver (City) assures that no person shall on the grounds of race, color, national origin, or sex as provided by Title VI of the Civil Rights Act of 1964, and the Civil Rights Restoration Act of 1987 (P.L. 100.259) be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any City sponsored transportation program or activity. The City further assures every effort will be made to ensure nondiscrimination in all of its federally funded transportation programs and activities.

In the event that the City distributes federal transportation funds to another entity, it will include Title VI language in all written agreements and will monitor for compliance.

Title VI compliance is a condition of receipt for federal funds, including funds from the Federal Highway Administration. Assurance of compliance falls under the proper authority of the City pursuant to its budgetary authority and responsibility. The Transportation Manager and Transportation Title VI Coordinator are authorized to ensure compliance with provisions of this policy and with the law, including the requirements of 23 Code of Federal Regulation (CFR) 200 and 49 CFR 21.

Eric Holmes, City Manager

11-6-14
Date

2016-2021
Transportation Improvement Program

Financial Analysis

The funding sources listed below are those typically used for transportation capital investments and pavement maintenance within the City of Vancouver. Revenue varies from year to year. The current City budget calls for most transportation capital revenue after 2011 to be used to retire bond debt incurred to build transportation infrastructure over the last decade or so, including such projects as 18th Street, 137th Avenue, 164th Avenue, 28th Street/Burton Road, Fruit Valley Road, 192nd Avenue, and others. As a result, the City's transportation capital program will enter a period of significant slowdown for several years as the City pays off debt for previously completed capital projects. As local funding goes to retire debt, external revenue sources like grants and traffic impact fees are less available to the City for improvements[1].

GRANTS

Federal Grant Programs:
STP-TMA: Surface Transportation Program Transportation Management Area funds are allocated by the SW Washington Regional Transportation Council and then, through a competitive grant process, to urban jurisdictions in Clark County.
CMAQ: Congestion Mitigation and Air Quality Program funds are administered like STP-TMA funds.
CDBG: Community Development Block Grant—periodically available for small sidewalk and ADA ramp improvements.

State Grant Programs:
Transportation Improvement Board (TIB): Funded with a small portion of the state gas tax, TIB is the main source for state grant funds to urban areas. Vancouver competes with other jurisdictions in western Washington for funds from several TIB grant programs. The state has several other smaller grant programs run by various agencies that fund smaller, targeted safety, pedestrian, and bicycle projects.

OTHER FUNDING

Local Funding:
State Gas Tax: About $3.4 million per year.
REET: Real estate excise tax, varies per year, depending on real estate transactions.
Bonds (debt): Periodically the City sells bonds for transportation construction projects. Revenues to pay those debts come from several sources including gas tax, general fund, REET, and business license surcharge.
Other Local Transportation Funds: Business License Fee = $50/employee generates around $2.2 million annually to pay bond debt.

Developer Contribution:
Direct Construction: Private developers are required to build or improve on-site roadways and may also be required to make off-site improvements to comply with concurrency or SEPA impacts.
Traffic Impact Fees (TIF): The City maintains a TIF program (fees paid by a developer per new trip) which historically covers about 10% of the annual construction program.
Proportionate Share Contributions: Developer contributions toward an improvement project to meet concurrency or safety requirements.

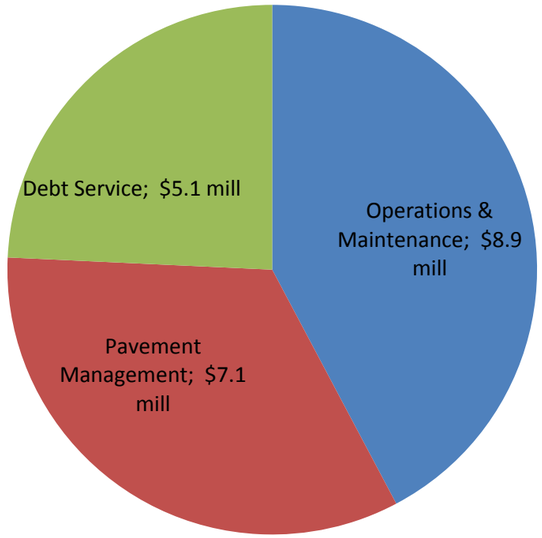
The graphs on the next few pages show the historical and forecasted revenues and expenses for streets in the City of Vancouver. Work is currently underway to refine revenue forecasts consistent with work being performed to review long-term transportation funding options.

[1] City Council has established a goal to develop long term sustainable funding for our transportation system. As of the date of this document, staff is gathering informal public input on potential sources of additional revenue.

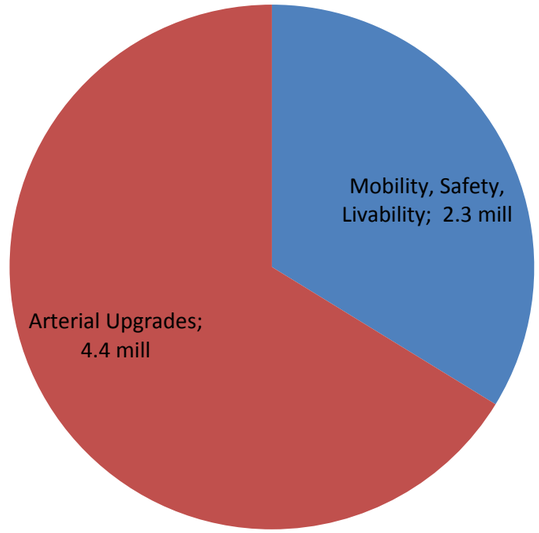
Transportation Financial Data

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
STREET MAINTENANCE												
Expenses												
Street Maintenance Fund 102												
Pavement Management	3,689,283	2,516,952	3,535,182	4,716,758	3,805,029	4,349,882	3,650,173	2,935,568	5,521,405	5,631,248	5,942,740	7,120,088
Signs and Striping	861,143	858,811	999,003	958,721	935,199	1,051,468	876,281	880,863	974,625	1,219,456	1,257,580	1,211,337
Signals	896,221	980,889	1,031,767	1,040,078	919,313	1,349,708	909,444	821,940	1,125,277	917,800	1,145,852	1,239,687
Street Lights	1,206,445	1,155,316	1,169,164	1,311,566	1,361,565	1,242,909	1,476,108	1,569,659	1,594,820	1,695,242	1,775,652	1,811,064
Street Maintenance	441,884	442,443	439,151	461,416	356,965	659,886	775,861	734,933	610,040	714,832	559,316	699,225
Administration	3,698,214	3,743,218	4,029,496	4,363,813	4,932,282	4,573,342	3,594,185	3,433,860	2,510,676	2,419,916	2,693,072	2,774,369
Street Sweeping	196,777	179,587	221,637	230,314	183,503	346,118	707,249	546,345				
Traffic Engineering									447,719	488,101	522,239	609,148
Subtotal Street Maintenance Fund 102 Expenses	**10,989,967**	**9,877,216**	**11,425,400**	**13,082,666**	**12,493,856**	**13,573,313**	**11,989,301**	**10,923,168**	**12,784,562**	**13,086,595**	**13,896,451**	**15,464,918**
Transportation Debt Service paid by Fund 102			**119,277**	**226,457**	**226,457**	**226,457**	**652,580**	**635,535**	**279,722**	**639,102**	**634,303**	**632,219**
Transfers to Fund 330 Transportation Capital				**720,000**	**191,409**	**125,535**	**1,424,009**	**952,440**	**1,304,270**	**2,449,167**	**2,507**	**301,361**
Total Street Maintenance Fund 102 Expenses	**10,989,967**	**9,877,216**	**11,544,677**	**14,029,123**	**12,911,722**	**13,925,305**	**14,065,890**	**12,511,143**	**14,368,554**	**16,174,864**	**14,533,261**	**16,398,498**
Revenues												
Street Maintenance Fund 102												
Property Taxes				145,361	444,218	46,242	18,462	21,025			103,416	-
REET 2	2,182,426	2,788,342	3,494,130	3,660,703	3,296,097	1,771,348	1,482,032	1,259,689	1,373,945	1,315,273	2,173,822	2,418,940
Motor Vehicle Fuel Tax	1,953,422	2,119,003	2,185,119	3,661,169	3,861,972	3,595,593	3,589,027	3,547,722	3,371,269	3,316,804	3,396,802	3,405,241
General Fund	6,286,998	5,643,500	6,150,342	2,700,104	5,532,106	5,874,552	8,073,813	8,317,368	8,837,796	9,364,098	9,822,342	9,845,456
2006 Bond Fund				1,000,000		300,000						
Surface Water Fund					300,000	176,151	204,753	823,526				
Miscellaneous	406,438	843,402	735,620	563,011	1,436,093	1,137,354	668,520	678,482	1,059,314	1,003,096	681,715	1,027,435
Total Street Maintenance Fund 102 Revenues	**10,829,284**	**11,394,247**	**12,565,211**	**11,730,348**	**14,870,486**	**12,901,240**	**14,036,607**	**14,647,812**	**14,642,324**	**14,999,271**	**16,178,097**	**16,697,072**
TRANSPORTATION DEBT												
Expenses												
Yearly Debt Service	**2,901,098**	**2,886,765**	**2,733,765**	**2,587,080**	**3,197,494**	**3,602,767**	**4,085,020**	**4,044,493**	**4,221,205**	**5,142,388**	**5,144,299**	**5,154,058**
Revenues												
Debt Service Revenues												
General Fund	2,229,331	2,225,951	2,074,968	1,928,588	1,987,838	1,998,755	1,993,677	1,460,343	1,721,103	2,053,276	2,062,167	2,076,537
Employee Surcharge	-	-	-	-	828,244	943,250	1,438,762	1,948,615	1,942,513	1,945,481	1,944,661	1,940,679
Motor Vehicle Fuel Tax	671,767	660,814	658,797	658,492	381,413	660,762	652,580	635,535	279,722	639,102	634,303	632,219
REET									277,867	504,530	503,168	504,624
Total Debt Service Revenues	**2,901,098**	**2,886,765**	**2,733,765**	**2,587,080**	**3,197,494**	**3,602,767**	**4,085,020**	**4,044,493**	**4,221,205**	**5,142,388**	**5,144,299**	**5,154,059**
TRANSPORTATION ENGINEERING												
Expenses												
Transportation Engineering												
Administration	943,652	927,808	923,346	1,106,711	1,181,262	1,168,008	1,144,366	1,037,542	366,917	53,371	38,932	46,722
Commuter trip Reduction			42,508	145,949	228,350	260,804	370,148	248,486				
Street Design	257,581	245,153	273,265	306,280	545,602	389,804	367,365	502,755	616,271	417,185	365,461	333,772
Traffic Engineering	361,400	322,137	287,832	374,258	564,263	485,347	466,805	481,603				
Neighborhood Traffic Management	184,138	189,033	205,755	199,680	129,116	161,674						
Transportation Planning	253,168	265,935	337,670	400,610	413,980	436,402	787,451	419,304	41,842	15,327	26,845	41,419
Concurrency	235,408	204,653	249,899	253,268	185,002	236,240	194,844	113,161				
Development Review	231,987	317,109	468,050	485,926	442,219	394,481	251,850	135,884	215,077	202,836	214,380	208,425
Transfers to Fund 330						35,000		75,415				
Totals Transportation Engineering	**2,467,334**	**2,471,828**	**2,788,325**	**3,272,682**	**3,689,794**	**3,567,760**	**3,582,829**	**3,014,150**	**1,240,107**	**688,719**	**645,618**	**630,338**
Revenues												
Transportation Engineering												
General Fund	**2,467,334**	**2,471,828**	**2,788,325**	**3,272,682**	**3,689,794**	**3,567,760**	**3,582,829**	**3,014,150**	**1,240,107**	**688,719**	**645,618**	**630,338**
TRANSPORTATION CAPITAL												
Expenses												
Fund 330 Transportation Capital												
Capital Expenses	**13,549,816**	**23,966,415**	**27,011,556**	**19,290,317**	**24,508,291**	**15,868,620**	**8,784,884**	**14,736,472**	**17,782,275**	**16,259,786**	**18,276,550**	**6,568,516**
Revenues												
Fund 330												
REET			500,000	513,000	526,338	465,182	88,922	75,581	82,437	78,916	130,429	145,136
Grants	6,567,300	12,256,842	14,822,248	9,828,815	10,255,076	7,633,141	5,934,236	6,313,201	9,298,306	4,451,602	5,559,068	5,408,605
Developer Participation	557,344	2,465,104	450,331	1,797,218	2,056,326	2,860,197	73,513	300,188	353,724	24,302	-	736,692
Intergovernmental Loan Proceeds				990,000	1,100,000		110,000	3,840,000	77,000	6,000	1,496,000	
General Fund	5,021	24,020	118,163	1,270,187	553,767	588,696	411,833	582,261	300,000	67,963	265,934	526,037
Street Maintenance Fund				720,000	191,409	125,535	1,424,009	952,440	1,304,270	2,449,167	22,730	421,361
Old Arterial Street Fund		1,977,211	1,153,809	210,317								
Transportation Special Revenue Fund				1,563,735	2,171,472	1,626,251	1,006,929	387,654	839,140	126,639	74,251	67,256
TIF Funds	2,229,014	3,726,842	3,082,703	920,641	1,365,547	700,752	622,642	1,254,091	394,929	1,532,710	1,736,997	1,738,219
Bond Capital Fund	-	-	-	-	7,425,444	3,052,680	1,322,697	1,008,956	3,573,771	6,749,195	7,052,756	498,961
Miscellaneous Revenue	968,032	379,942	1,020,509	1,177,844	962,769	1,174,153	212,870	1,701,624	314,485	380,502	815,752	444,287
Total Fund 330 Revenue	**10,326,711**	**20,829,961**	**21,147,763**	**18,991,757**	**26,608,148**	**18,226,587**	**11,207,651**	**16,415,996**	**16,538,062**	**15,866,996**	**17,153,917**	**9,986,554**

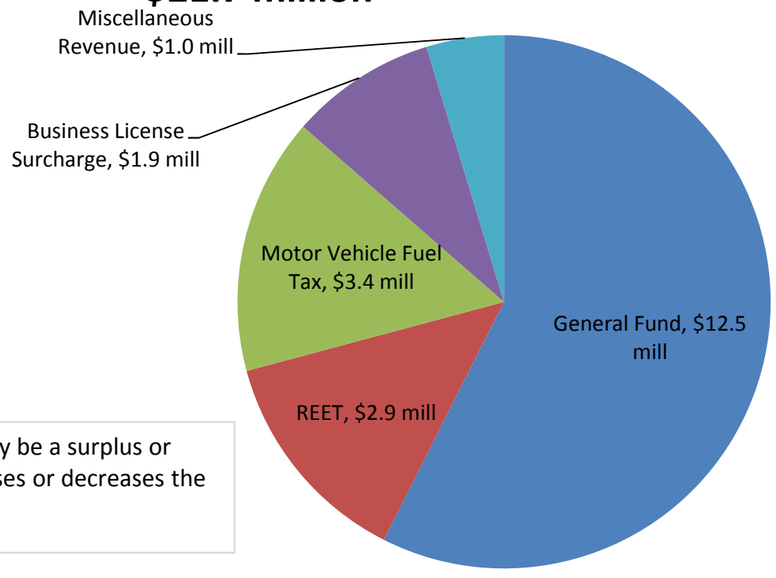
2014 Baseline Expenses
$21.1 million



2014 Capital Expenses
$6.7 million

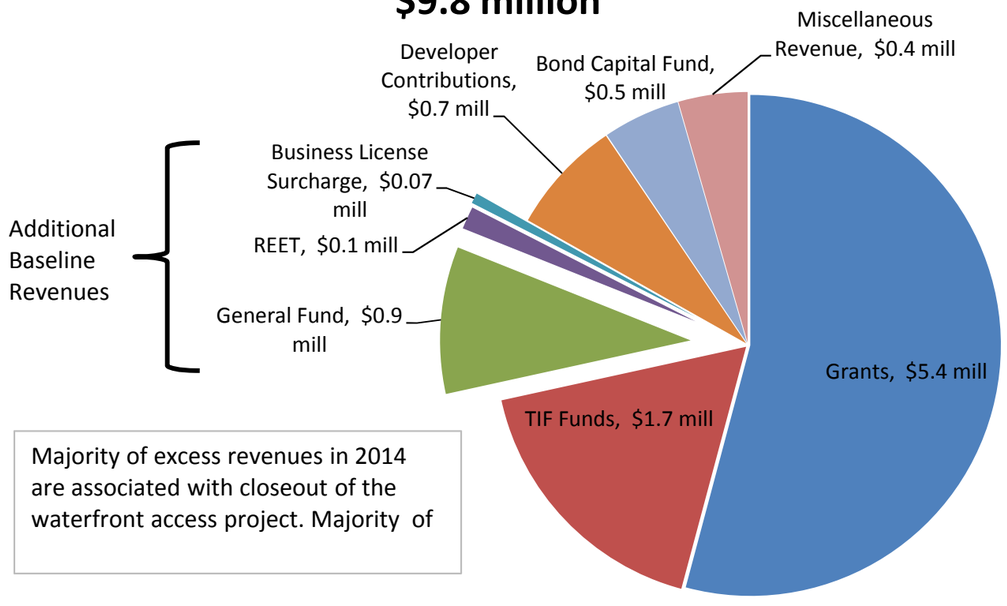


2014 Baseline Revenues
$21.7 million



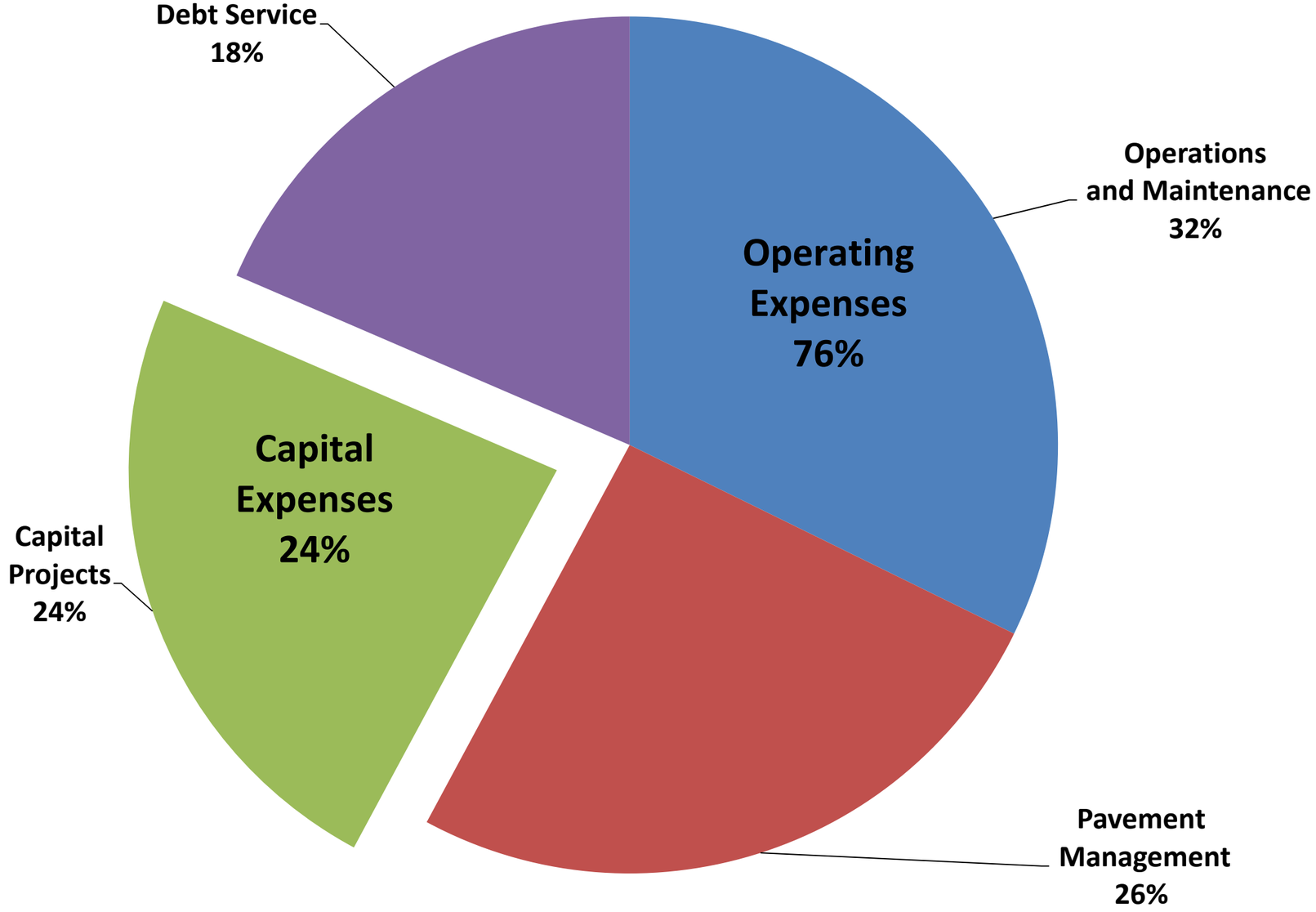
In any given year there may be a surplus or deficit which either increases or decreases the fund balance accordingly.

2014 Capital Revenues
$9.8 million

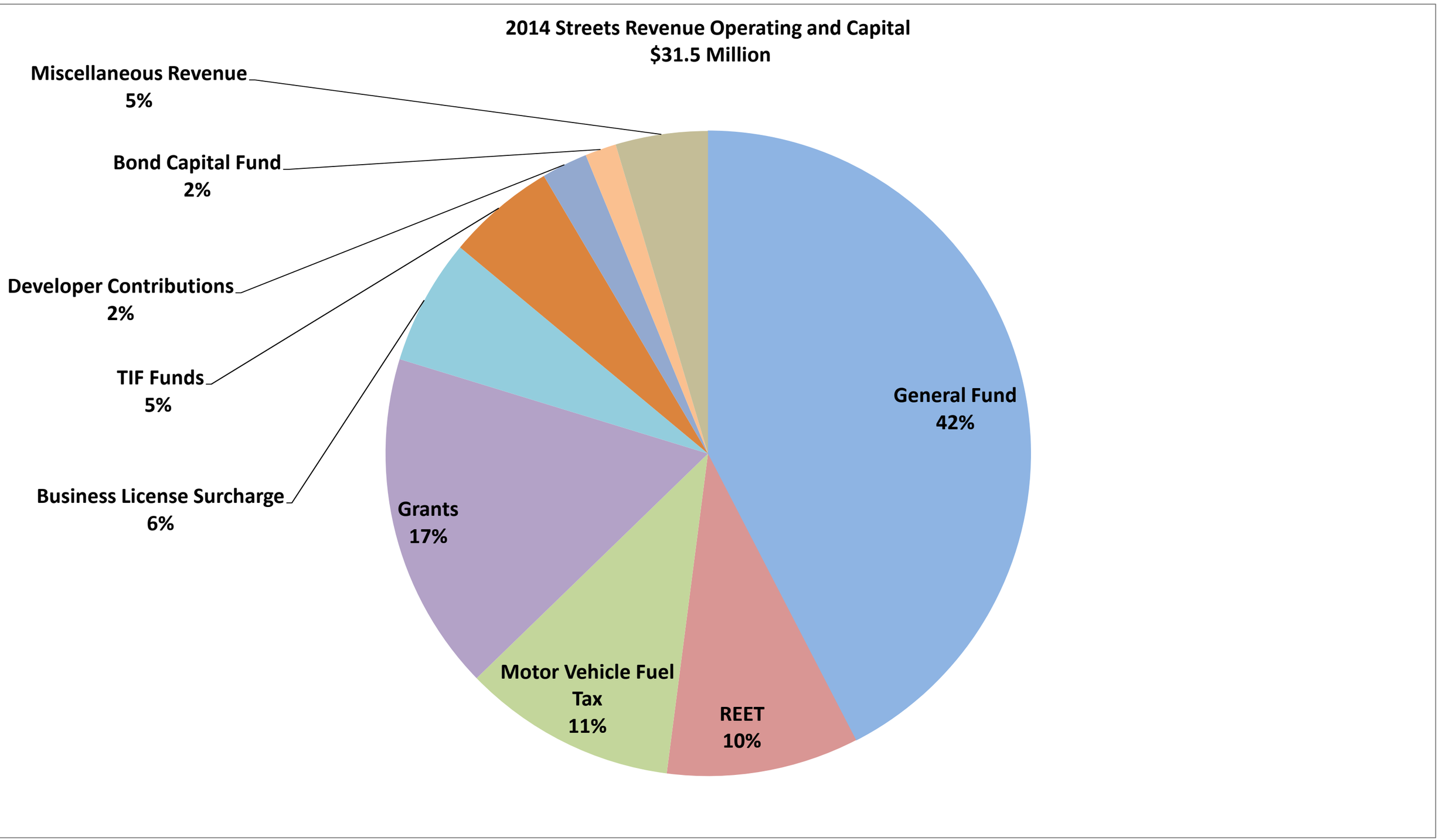


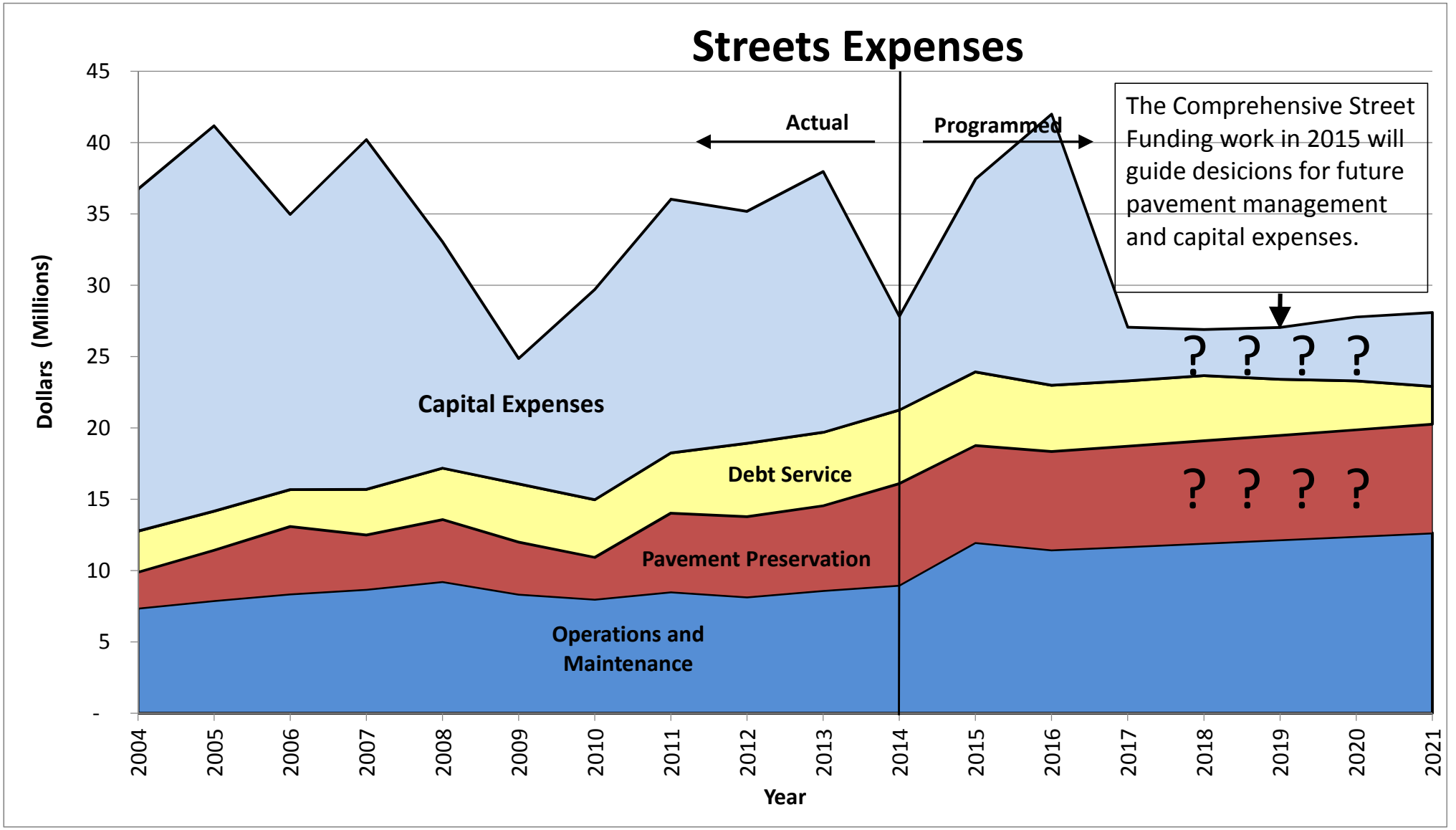
Majority of excess revenues in 2014 are associated with closeout of the waterfront access project. Majority of

2014 Streets Expenses Operating and Capital
$27.8 Million

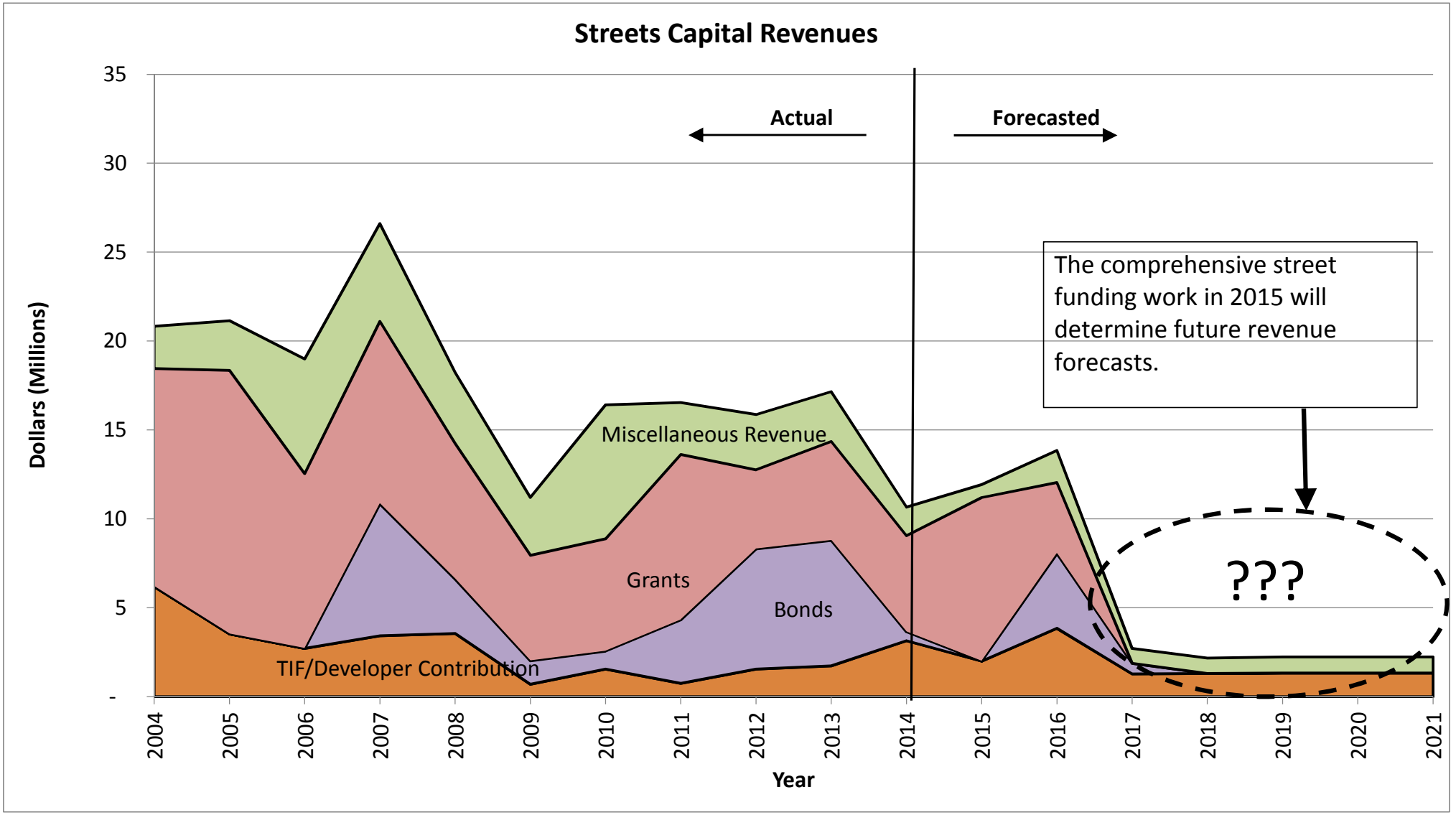


014697

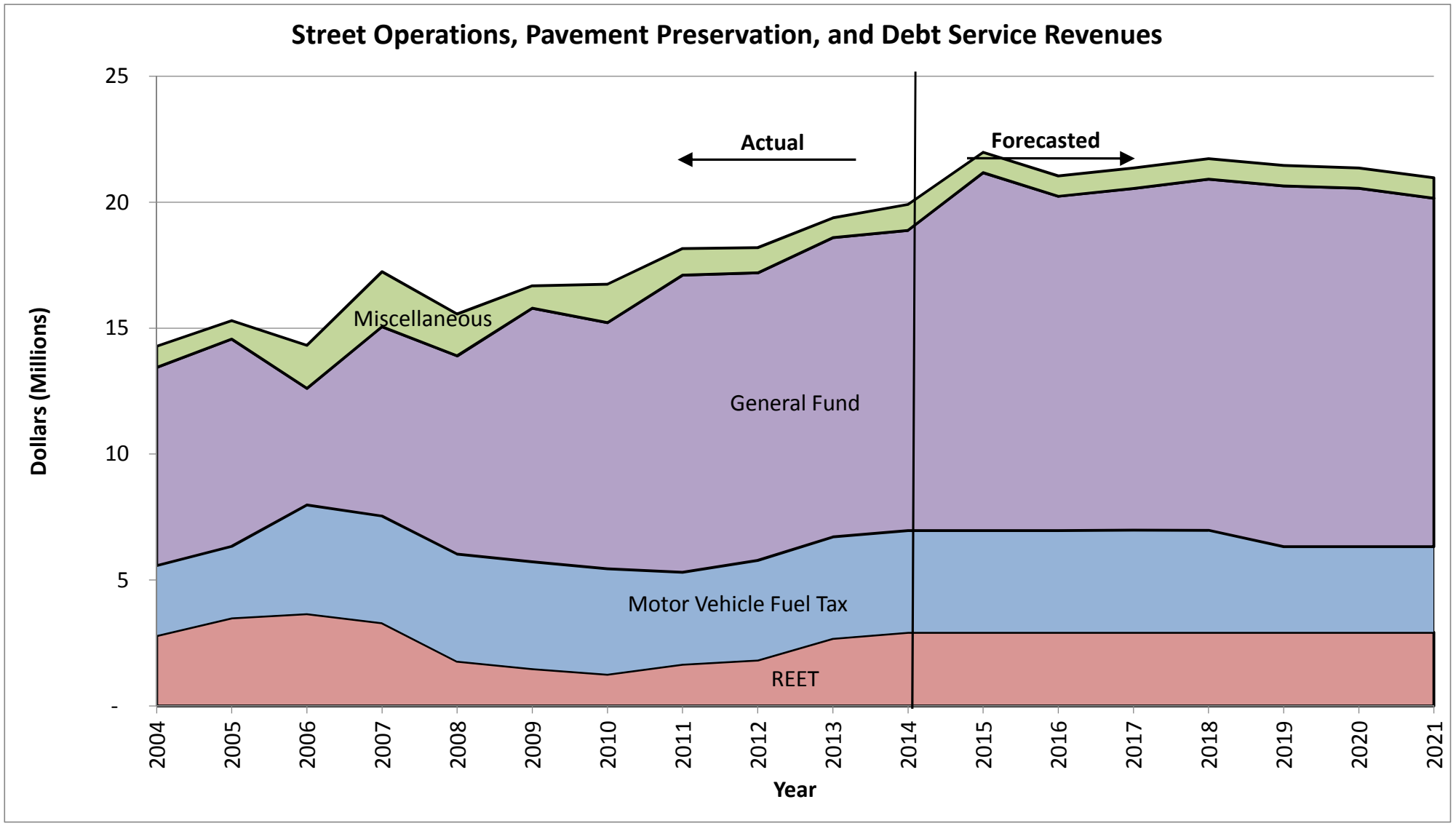

2014 Streets Revenue Operating and Capital
$31.5 Million
Miscellaneous Revenue
5%
Bond Capital Fund
2%
Developer Contributions
2%
TIF Funds
5%
Business License Surcharge
6%
General Fund
42%
Grants
17%
Motor Vehicle Fuel
Tax
11%
REET
10%

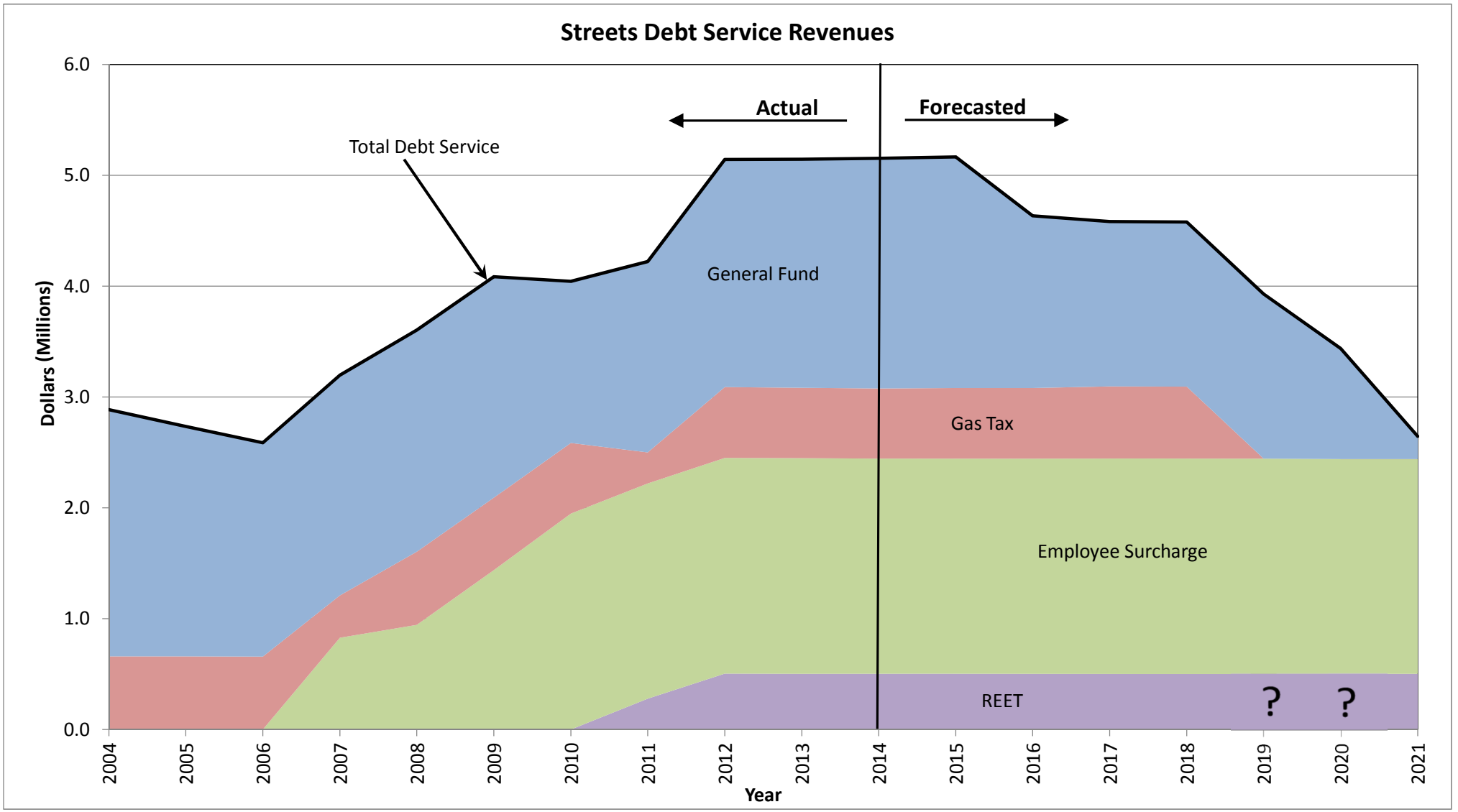

Streets Expenses
Actual
Programmed
The Comprehensive Street Funding work in 2015 will guide desicions for future pavement management and capital expenses.
Capital Expenses
Debt Service
Pavement Preservation
Operations and Maintenance
? ? ? ?
? ? ? ?
Dollars (Millions)
45
40
35
30
25
20
15
10
5
-
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Year

014699


Streets Capital Revenues
Actual
Forecasted
The comprehensive street funding work in 2015 will determine future revenue forecasts.
???
Miscellaneous Revenue
Grants
Bonds
TIF/Developer Contribution
Dollars (Millions)
Year
35
30
25
20
15
10
5
-
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021

014700


Street Operations, Pavement Preservation, and Debt Service Revenues
Dollars (Millions)
25
20
15
10
5
-
Actual
Forecasted
Miscellaneous
General Fund
Motor Vehicle Fuel Tax
REET
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Year


Streets Debt Service Revenues
Actual
Forecasted
Total Debt Service
General Fund
Gas Tax
Employee Surcharge
REET
? ?
Dollars (Millions)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Year

014702

2016-2021
Transportation Improvement Program

Six Year Project List

This page provides an overview of the changes from the previous 6 year project list (2015-2020) to this year's 6 year project list (2016-2021). The changes are segmented by: projects removed; projects added; and other changes.

Projects Removed:	**TIP ID:**	**Project Type:**	**Comments:**
Downtown Waterfront Access Project	TRANS-748	Capacity	Project completed
Fourth Plain Crosswalk Upgrades to Hybrid Beacons	TRANS-830	Traffic	Project completed
E Mill Plain Blvd. @ SE 157th Avenue and west of Andresen (Hawk Signals)	TRANS-739	Traffic	Project completed
East Mill Plain Signal Optimization		Traffic	Project completed
Columbia St. CDBG – 33rd to 39th	TRANS-829	Multimodal	Project completed
NE 147th Avenue – NE 59th St to NE Fourth Plain Blvd	TRANS-713	Capacity	Project being built by developer
Columbia St/97th St/St Helens/Mcloughlin Sharrows	TRANS-734	Multimodal	Project completed

Projects Added:	**TIP ID:**	**Project Type:**	**Comments:**
None			

Other Changes:	**TIP ID:**	**Project Type:**	**Comments:**
Funded Project List			
NE 162nd Ave – Poplar to Fourth Plain Blvd – Fiber Communications	TRANS-737	Traffic	Carried forward money into 2015.
Flashing Yellow Arrow Upgrade Project	TRANS-A-828	Traffic	Carried forward money into 2015.
Endeavour Elementary Pathway and Safety Improvement Program	TRANS-824	Multimodal	Carried forward money into 2015.
18th St – Four Seasons Ln to NE 138th Ave	TRANS-703	Capacity	Fully funded construction phase.
NE Vancouver Mall Dr. – NE Andresen Rd. to NE 66th Ave	TRANS-555	Capacity	Carried forward money into 2015/16.
E Mill Plain Blvd. – 104th Ave to Chkalov	TRANS-678	Capacity	Carried forward money into 2015/16.
Fourth Plain Infill Sidewalk	TRANS-832	Multimodal	Carried forward money into 2015/16.
Partially Funded Project List			
SE 1st St. – SE 164th Ave to SE 192nd Ave	TRANS-268	Capacity	Carried forward money into 2015/16.
Unfunded Project List			
Traffic Safety & Livability – Citywide	TRANS-A-738	Ongoing	Moved from funded to unfunded list.

Other:	**Project Type:**	**Comments:**
Non-City Projects Added		
SR-500 @ Falk Overpass	Interchange	WSDOT planned project
SR-500 @ Stapleton Overpass	Interchange	WSDOT planned project
SR-14-(I-205 to 162nd) Widening	Capacity	WSDOT planned widening
Mill Plain & I-5 Interchange Improvements	Interchange	WSDOT planned project
Mill Plain (Port to I-5) Improvements	Capacity	WSDOT Planned Improvements
Non-City Projects Removed		
None		

Council Approved Business License Surcharge Capital Projects - Status	
Project	**Status**
E Mill Plain Blvd. & 104th Ave. Intersection	Completed
Esther & 4th Street Lowering & Realignment	Completed
NE 49th Street – 112th Ave. to 122nd Ave.	Completed
NE Fourth Plain Blvd. at 65th/66th Ave.	Completed
NE Thurston Rd. at Parkway & Van Mall Dr.	Completed
Mill Plain Blvd. & 136th Ave. Intersection	Completed
Main Street Reconstruction Design Only	Completed design
NE 138th Avenue – 28th St. to 49th St.	Completed
NE 18th Street – I-205 to Four Seasons	Completed
SE 164th Intersection Improvements	Completed
NE 18th Street – Four Seasons to 136th Ave	Construction in 2016

6 YEAR TRANSPORTATION IMPROVEMENT PROGRAM (2016-2021)

Note: All costs are in 2015 dollars. 2015 shown for reference only (6-year plan is for 2015-2020).

RANK	Project ID	Project Name	Project Type	Phase	Spent to Date (3-31-15)	2015 Grant	2015 Other Funding	2016 Grant	2016 Other Funding	2017 Grant	2017 Other Funding	2018 Grant	2018 Other Funding	2019 Grant	2019 Other Funding	2020 Grant	2020 Other Funding	2021 Grant	2021 Other Funding	Project Total	TIF Area/Eligibility
FUNDED PROJECTS																					
			Capacity																		
	TRANS-555	NE Vancouver Mall Dr. - NE Andresen Rd. to NE 66th Ave	Capacity	PSE	$141,145		$75,000													$216,145	Orchards
				ROW	$329,542															$329,542	
				CN	$5,716		$500,000													$505,716	
				Total	$476,403	Total by year =	$575,000	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$1,051,403	
	TRANS-678	E Mill Plain Blvd. - 104th Ave to Chkalov	Capacity	PSE	$566,467	$350,000														$916,467	East City
				ROW	$0	$1,000,000		$355,000												$1,355,000	
				CN	$0			$2,000,000	$320,000											$2,320,000	
				Total	$566,467	Total by year =	$1,350,000	Total by year =	$2,675,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$4,591,467	
	TRANS-703	NE 18th St - Four Seasons Lane to NE 138th Ave (assumes successful TIB grant application in 2015)	Capacity	PSE	$30,768		$500,000													$530,768	Evergreen & East City
				ROW	$1,413,809	$200,000	$50,000													$1,663,809	
				CN	$4,202			$7,000,000	$3,000,000											$10,004,202	
				Total	$1,448,779	Total by year =	$750,000	Total by year =	$10,000,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$12,198,779	
	TRANS-715	Columbia Way - Columbia St to Grant St (funded by developer and grants)	Capacity	PSE	$101,571															$101,571	Vancouver
				ROW	$4,202															$4,202	
				CN	$955,443	$4,000,000														$4,955,443	
				Total	$1,061,216	Total by year =	$4,000,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$5,061,216	
	TRANS-726	NE 45th St - NE 72nd Ave to NE 77th Ave	Capacity	PSE	$138,055															$138,055	South Orchards
				ROW	$139,029															$139,029	
				CN	$620,724		$100,000													$720,724	
				Total	$897,808	Total by year =	$100,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$997,808	
	TRANS-727	NE 82nd Ave - NE 51st St to NE 54th St	Capacity	PSE	$101,209															$101,209	South Orchards
				ROW	$3,186															$3,186	
				CN	$535,901		$100,000													$635,901	
				Total	$640,296	Total by year =	$100,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$740,296	
			Traffic																		
	TRANS- 721	Columbia St./Main St. VAST 6th to 45th	Traffic	PSE	$18,472															$18,472	Vancouver
				ROW	$0															$0	
				CN	$0	$400,000	$75,000													$475,000	
				Total	$18,472	Total by year =	$475,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$493,472	
	TRANS-737	NE 162nd Ave - Poplar to Fourth Plain Blvd - Fiber Communications	Traffic	PSE	$32,975															$32,975	Evergreen
				ROW	$0															$0	
				CN	$0	$300,000	$40,000													$340,000	
				Total	$32,975	Total by year =	$340,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$372,975	
	TRANS-746	SE McGillivray Blvd. @ SE 166th Ave	Traffic	PSE	$0		$25,000													$25,000	East City
				ROW	$0															$0	
				CN	$0		$275,000													$275,000	
				Total	$0	Total by year =	$300,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$300,000	
	TRANS-837	E Mill Plain @ Garrison Signal Improvement Project	Traffic	PSE	$35,391		$50,000													$85,391	Vancouver
				ROW	$0															$0	
				CN	$0		$400,000													$400,000	
				Total	$35,391	Total by year =	$450,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$485,391	
	TRANS A-828	Flashing Yellow Arrow Upgrade	Traffic	PSE	$50,000															$50,000	
				ROW	$0															$0	
				CN	$120,000	$200,000														$320,000	
				Total	$170,000	Total by year =	$200,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$370,000	
		Evergreen & C Street Accessible Pedestrian Signal	Traffic	PSE	$12,691															$12,691	Vancouver
				ROW	$0															$0	
				CN	$31,941	$15,000														$46,941	
				Total	$44,632	Total by year =	$15,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$59,632	
			Multimodal																		
	TRANS-832	Fourth Plain Subarea Sidewalk Infill	Multimodal	PSE	$92,392															$92,392	Vancouver
				ROW	$9,878	$300,000	$50,000													$359,878	
				CN	$0			$550,000	$50,000											$600,000	
				Total	$102,270	Total by year =	$350,000	Total by year =	$600,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$1,052,270	
	TRANS-824	Endeavour Elementary Pathway	Multimodal	PSE	$31,677															$31,677	Evergreen
				ROW	$76															$76	
				CN	$0	$50,000														$50,000	
				Total	$31,753	Total by year =	$50,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$81,753	
	TRANS-DT-451	Destination Downtown TDM	Multimodal	PSE	$0	$80,000		$100,000												$180,000	Vancouver
				ROW	$0															$0	
				CN	$0															$0	
				Total	$0	Total by year =	$80,000	Total by year =	$100,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$180,000	
			Ongoing																		
	TRANS-A-237	Traffic Signal and Lighting Sustainability	Ongoing	PSE	$0		$50,000		$50,000		$50,000		$50,000		$50,000		$50,000		$50,000	$350,000	
				ROW	$0															$0	
				CN	$0		$165,000		$165,000		$165,000		$165,000		$165,000		$165,000		$165,000	$1,155,000	
				Total	$0	Total by year =	$215,000	Total by year =	$215,000	Total by year =	$215,000	Total by year =	$215,000	Total by year =	$215,000	Total by year =	$215,000	Total by year =	$215,000	$1,505,000	
	TRANS-A-240	Neighborhood Traffic Management Program	Ongoing	PSE	$0															$0	
				ROW	$0															$0	
				CN	$0		$120,000		$120,000		$120,000		$120,000		$120,000		$120,000		$120,000	$840,000	
				Total	$0	Total by year =	$120,000	Total by year =	$120,000	Total by year =	$120,000	Total by year =	$120,000	Total by year =	$120,000	Total by year =	$120,000	Total by year =	$120,000	$840,000	

PSE=Plans, Specifications, and Estimate, ROW=Right-of-way, CN=Construction

6 YEAR TRANSPORTATION IMPROVEMENT PROGRAM (2016-2021)

Note: All costs are in 2015 dollars. 2015 shown for reference only (6-year plan is for 2015-2020).

RANK	Project ID	Project Name	Project Type	Phase	Spent to Date (3-31-15)	2015 Grant	2015 Other Funding	2016 Grant	2016 Other Funding	2017 Grant	2017 Other Funding	2018 Grant	2018 Other Funding	2019 Grant	2019 Other Funding	2020 Grant	2020 Other Funding	2021 Grant	2021 Other Funding	Project Total	TIF Area/Eligibility
FUNDED PROJECTS																					
	TRANS-A-241	Pavement Preservation Program	Ongoing	PSE	$0		$308,100		$316,419		$324,962		$333,736		$342,747		$352,001		$352,001	$2,329,966	
				ROW	$0															$0	
				CN	$0		$6,162,000		$6,328,374		$6,499,240		$6,674,720		$6,854,937		$7,040,020		$7,040,020	$46,599,311	
				Total	$0	Total by year =	$6,470,100	Total by year =	$6,644,793	Total by year =	$6,824,202	Total by year =	$7,008,456	Total by year =	$7,197,684	Total by year =	$7,392,021	Total by year =	$7,392,021	$48,929,277	
	TRANS-A-245	Bridge Management Program	Ongoing	PSE	$0															$0	
				ROW	$0															$0	
				CN	$0		$10,000		$10,000											$20,000	
				Total	$0	Total by year =	$10,000	Total by year =	$10,000	Total by year =	$0	Total by year =	$0	Total by year =	$0	Total by year =	$0	Total by year =	$0	$20,000	
																					6-year Totals
		Annual Totals by Funding Source				Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local		Grants
						$6,895,000	$15,950,100	$10,005,000	$20,364,793	$0	$7,159,202	$0	$7,343,456	$0	$7,532,684	$0	$7,727,021	$0	$7,727,021		$16,900,000
																				Funded Projects	Other Local
																				Grand Total	$73,804,277
		Annual Totals					$22,845,100		$30,369,793		$7,159,202		$7,343,456		$7,532,684		$7,727,021		$7,727,021	$79,330,739	

			Non-City
		18th Street @ I-205 Interchange (under construction)	WSDOT
		Fourth Plain BRT	C-Tran
		West Vancouver Freight Access (under construction)	Port of Vancouver
		SR-500 @ Falk Overpass	WSDOT
		SR-500 @ Stapleton Overpass	WSDOT
		SR-14 (I-205 to 162nd) Widening	WSDOT
		Mill Plain & I-5 Interchange Improvements	WSDOT
		Mill Plain (Port of Vancouver to I-5) Improvements	WSDOT

CITY OF Vancouver WASHINGTON

6 YEAR TRANSPORTATION IMPROVEMENT PROGRAM (2016-2021)

Note: All costs are in 2015 dollars. 2015 shown for reference only (6-year plan is for 2015-2020).

RANK	Project ID	Project Name	Project Type	Phase	Spent to Date (3-31-15)	2015 Grant	2015 Other Funding	2016 Grant	2016 Other Funding	2017 Grant	2017 Other Funding	2018 Grant	2018 Other Funding	2019 Grant	2019 Other Funding	2020 Grant	2020 Other Funding	2021 Grant	2021 Other Funding	Project Total	TIF Area/Eligibility
PARTIALLY FUNDED PROJECTS																					
			Capacity																		
	TRANS-268	SE 1st St - SE 164th Ave to SE 192nd Ave (PSE & ROW only partially funded, no CN funding see project detail sheet for more information)	Capacity	PSE	$821,387	$300,000	$50,000													$1,171,387	East City
				ROW	$2,126	$750,000		$250,000	$50,000											$1,052,126	
				CN	$1,948															$1,948	
				Total	$825,461	Total by year =	$1,100,000	Total by year =	$300,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$2,225,461	
	TRANS-275	NE 137th Ave - NE 49th St to NE Fourth Plain Blvd (PSE funded, no ROW or CN funding see project detail sheet for more information)	Capacity	PSE	$479,164	$800,000	$100,000													$1,379,164	Evergreen
				ROW	$550															$550	
				CN	$0															$0	
				Total	$479,714	Total by year =	$900,000	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$1,379,714	
	TRANS-531	Jefferson St - W Evergreen to W Mill Plain Blvd (Design partially funded)	Capacity	PSE	$0				$180,000											$180,000	Evergreen & East City
				ROW	$0															$0	
				CN	$0															$0	
				Total	$0	Total by year =	$0	Total by year =	$180,000	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$180,000	
			Traffic																		
	TRANS-363	SE 136th Ave @ SE 7th St (Design & ROW funded only)	Traffic	PSE	$39,243															$39,243	East City
				ROW	$1,724															$1,724	
				CN	$0															$0	
				Total	$40,967	Total by year =	$0	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$40,967	
			Multimodal																		
	TRANS-337	Evergreen Hwy Trail - Ellsworth Rd to Weber Arboretum (See detail sheet for more information)	Multimodal	PSE	$209,454															$209,454	East City
				ROW	$206,444															$206,444	
				CN	$1,220	$650,000	$25,000													$676,220	
				Total	$417,118	Total by year =	$675,000	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$1,092,118	
	TRANS-740	Evergreen Hwy Trail - Image to Chelsea (Design funded only)	Multimodal	PSE	$34,121	$65,000	$50,000													$149,121	East City
				ROW	$0															$0	
				CN	$0															$0	
				Total	$34,121	Total by year =	$115,000	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$149,121	
	TRANS-833	Vancouver Waterfront Trail (see detail sheet for more information)	Multimodal	PSE	$0															$0	Vancouver
				ROW	$0															$0	
				CN	$0	$750,000														$750,000	
				Total	$0	Total by year =	$750,000	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$750,000	
			Other																		
	TRANS-DT-822	Downtown Quiet Zone (See detail sheet for more information)	Other	PSE	$15,307															$15,307	Vancouver
				ROW	$0															$0	
				CN	$0		$10,000													$10,000	
				Total	$15,307	Total by year =	$10,000	Total by year =	$0	Total by year =		Total by year =		Total by year =		Total by year =		Total by year =		$25,307	
																					6-year Totals
		Annual Totals by Funding Source				Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local	Grant	Other Local		Grants
						$3,315,000	$3,550,000	$250,000	$480,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0		$3,565,000
																				Part. Funded Projects	Other Local
																				Grand Totals	$4,030,000
		Annual Totals					$6,865,000		$730,000		$0		$0		$0		$0		$0	$18,041,467	

RANK	Project ID	Project Name	Project Type	Phase	Spent to Date (3-30-15)	2016	2017	2018	2019	2020	2021	See Detail Sheets for Project Costs	TIF Area/Eligibility
UNFUNDED PROJECTS													
			Capacity										
	TRANS-274	NE 28th St - NE 142nd Ave to NE 162nd Ave.	Capacity	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-279	NE 49th St - NE 122nd Ave to NE 137th Ave	Capacity	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-281	NE 18th St - NE 87th Ave to NE 97th Ave	Capacity	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-349	NE 18th St - NE 164th Ave to NE 192nd Ave	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-444	NE 18th St - NE 142nd Ave to NE 162nd Ave	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-527	NE 18th St - NE 97th Ave to NE 107th Avenue	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-536	Fruit Valley Rd - 61st St to NW 78th St	Capacity	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-583	NE 87th Ave / Lieser Rd. Realignment	Capacity	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-607	NE 192nd Ave - SE 1st St. to NE 18th St.	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-680	Columbia Shores Blvd @ Columbia Way	Capacity	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-712	NE 59th St - NE 147th Ave to NE 162nd Ave	Capacity	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-716	NE 9th St - NE 172nd Ave to NE 192nd Ave	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-717	NE 182nd Ave - SE 1st St to NE 18th St	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-718	NE 162nd Ave - SE 1st St to NE 9th St	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-719	NE 112th Ave - E Mill Plain Blvd. to NE 15th St	Pedestrian	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-729	E Mill Plain Blvd - SE 172nd Ave to SE 192nd Ave (see detail sheet for more information)	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-816	NW 32nd Ave - SR501 to Whitney	Capacity	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-825	NE 54th St - 15th Avenue to St. James Street	Capacity	PSE	$0								Hazel Dell
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-826	NE 104th Avenue - Mill Plain Blvd. to 14th Street	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-827	NE 104th Avenue - 14th Street to 18th Street	Capacity	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-834	NE 9th St. - Broadway to "C"	Capacity	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
			Traffic										
	TRANS-603	Leiser Rd @ MacArthur St. Intersection	Traffic	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-720	136th/137th Ave - E Mill Plain Blvd to E 28th st	Traffic	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-722	St Johns Blvd. @ NE 68th St	Traffic	PSE	$0								Hazel Dell
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		

PSE=Plans, Specifications, and Estimate, ROW=Right-of-way, CN=Construction

RANK	Project ID	Project Name	Project Type	Phase	Spent to Date (3-30-15)	2016	2017	2018	2019	2020	2021	See Detail Sheets for Project Costs	TIF Area/Eligibility
UNFUNDED PROJECTS													
	TRANS-723	SE 20th St @ SE 176th Ave	Traffic	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-724	Hearthwood @ SE 1st St	Traffic	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-725	St Johns Blvd. @ Ft Vancouver Way	Traffic	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-818	NE Burton/28th Street - NE Andresen Rd to NE 138th Ave	Traffic	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-819	NW Fruit Valley Rd @ La Frambois	Traffic	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-839	152nd Avenue & 4th Plain Blvd. Signal	Traffic	PSE	$0								Evergreen
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
			Multimodal										
	TRANS-258	E. Fourth Plain Blvd. - Ft Vancouver Way to NE Andresen Rd.	Multimodal	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-495	Main St Reconstruction - 5th St to 15th Street	Multimodal	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-741	Evergreen Hwy Trail - Columbia Springs to SE 164th Ave	Multimodal	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-742	Evergreen Hwy Trail - SE 164th Ave to E. city limits	Multimodal	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-835	Central Park Subarea Improvements - Mcloughlin and Fort Vancouver Way	Multimodal	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
			Other										
	TRANS-836	Evergreen Blvd. Bridge over Blandford	Safety	PSE	$0								Vancouver
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-838	East Evergreen Highway Reconstruction Project	Reconstruction	PSE	$0								East City
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
			Ongoing										
	TRANS-A-238	Disabled Access (ADA)	Ongoing	PSE	$0								
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-A-239	School Crossing Protection	Ongoing	PSE	$0								
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-A-242	Bikeways	Ongoing	PSE	$0								
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-A-244	Safe Walkways	Ongoing	PSE	$0								
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-A-421	Pavement Reconstruction Program	Ongoing	PSE	$0								
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
	TRANS-A-738	Traffic Safety & Livability - Citywide	Ongoing	PSE	$0								
				ROW	$0								
				CN	$0								
				Total	$0	←		No	Funding		→		
						Project Total By Year =>	$0			Project Total By Year =>	$0		

PSE=Plans, Specifications, and Estimate, ROW=Right-of-way, CN=Construction

2016-2021
Transportation Improvement Program

Project Detail Sheets

PROJECT DETAIL SHEETS OVERVIEW

The following pages consist of project detail sheets, which provide additional information for each project listed within the City's 6-year Transportation Improvement Program (TIP). A project identification number is located in the upper right hand corner of each detail sheet. Each detail sheet includes a vicinity map for the project, project description, project justification, estimated costs, estimated schedule, and other pertinent information.

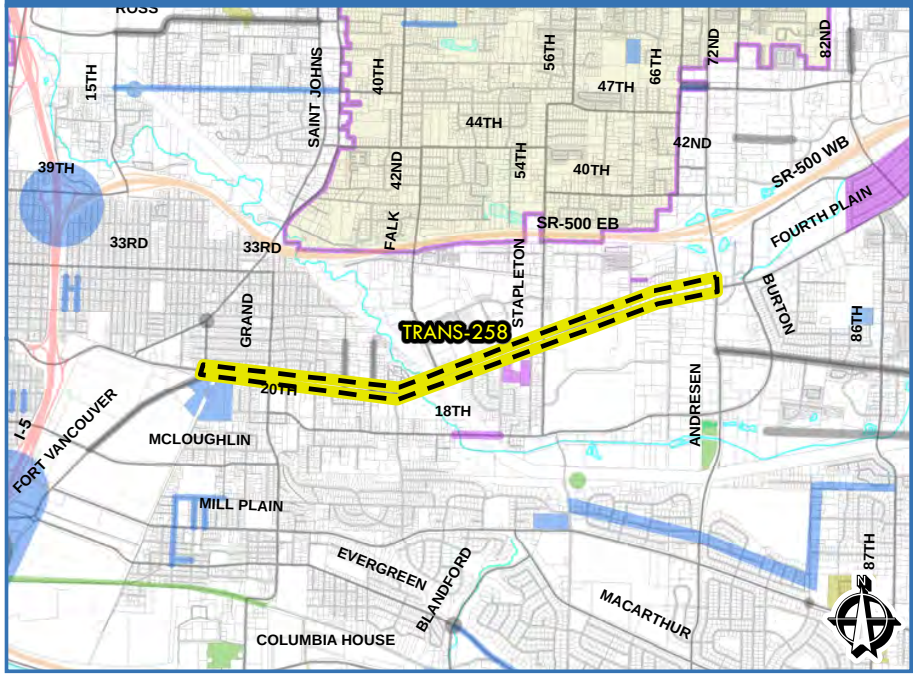
PROJECT ID: **TRANS-258**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **E. FOURTH PLAIN BLVD. - FT VANCOUVER WAY TO NE ANDRESEN RD.**

PROJECT EXTENT: **FT VANCOUVER WAY** TO: **NE ANDRESEN RD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Enhancement
Project Status: Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

History of collisions associated with driveways and pedestrians and bicyclists. Project identified as a priority improvement in the Fourth Plain Blvd Sub-Area Plan (2007). Project identified in the Vancouver Comprehensive Plan (2011-2030).Based on 2012 safety report this project has potentially high safety benefits.

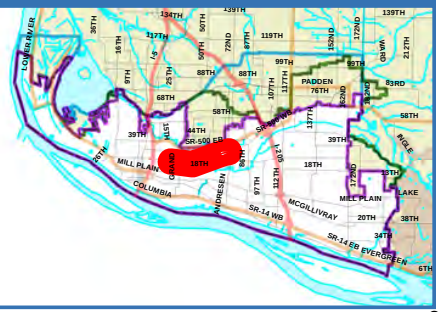
Project Description / Comments

Upgrade sidewalks and St lights to be consistent with the vision established in the Fourth Plain Sub-Area Plan. Improvement include wider sidewalks, upgraded ornamental Street lights, and street trees. Total scope of project is undefined.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014713

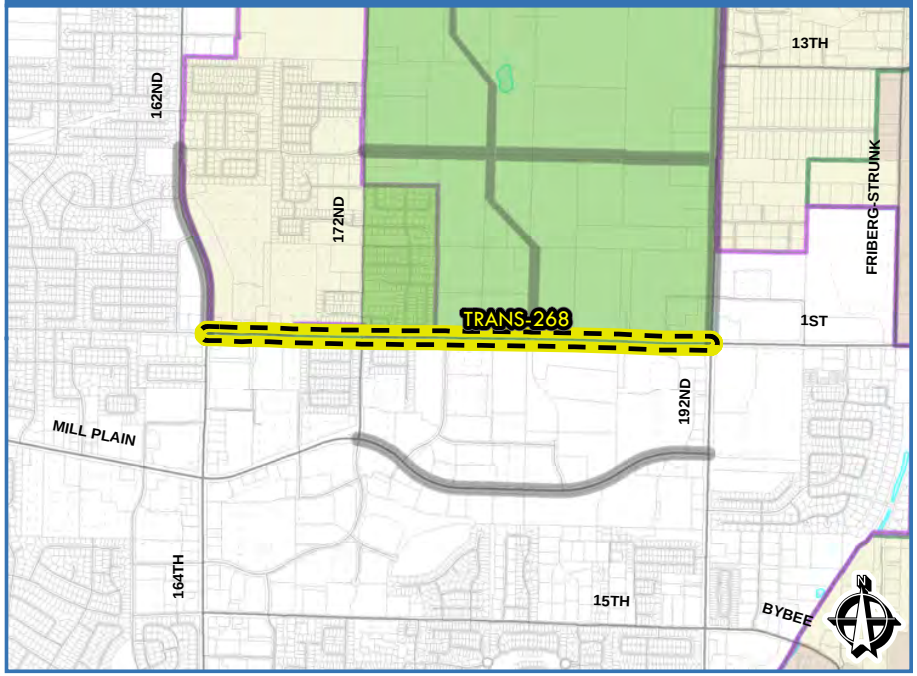
PROJECT ID: **TRANS-268**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **SE 1ST ST - SE 164TH AVE TO SE 192ND AVE**

PROJECT EXTENT: **SE 164TH AVE** TO: **SE 192ND AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Upgrade of substandard urban arterial with safety and level of service deficiencies. Project identified as a priority improvement in the Section 30 Subarea Plan (2009). Project identified in the Vancouver Comprehensive Plan (2011-2030).

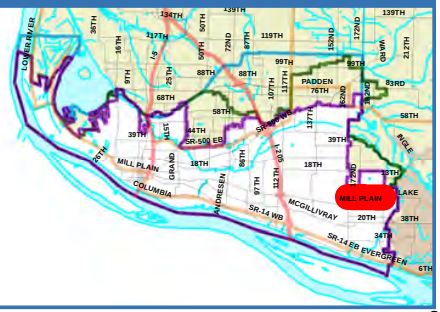
Project Description / Comments

Urban upgrade of existing 2 lane Roadway to a 3 and 5 lane principal arterial standard (one or two lanes each direction plus turn lane). Roadway cross section varies per segment. Street upgrades include sidewalks, bike lanes, Street lights and sound walls at required locations. PSE and ROW only partially funded. No funding for CN.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$4,300,000.00
Pre-Design Cost:	
Design Cost:	$1,470,000.00
Const. Cost:	$10,500,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$16,270,000.00**

FUNDING STRATEGY

Budget / Proj. #:
71612

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014714

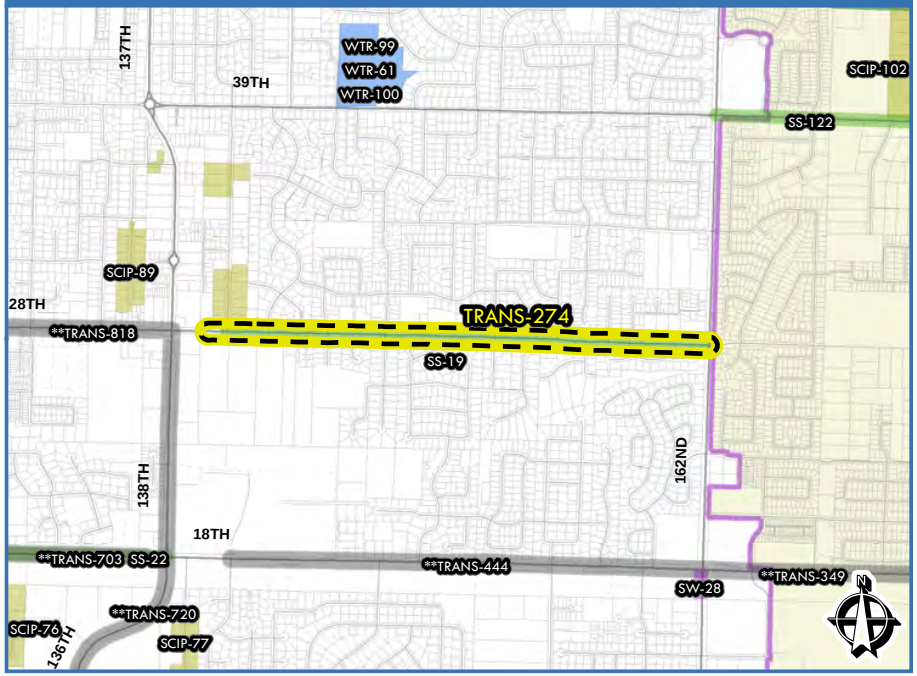
PROJECT ID: **TRANS-274**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 28TH ST - NE 142ND AVE TO NE 162ND AVE.**

PROJECT EXTENT: **NE 142ND AVE** TO: **NE 162ND AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Upgrade of substandard urban arterial with level of service, poor pavement and safety deficiencies. Project identified in Vancouver Comprehensive Plan (2011-2030).Based on 2012 safety report this project has potentially high safety benefits.

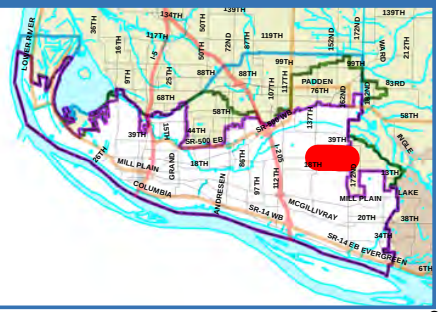
Project Description / Comments

Urban upgrade of existing 2 lane Rdway to 3 lane minor arterial roadway standards (one lane each direction plus center turn lane) including sidewalks, bike lanes, Stlights and sound walls at required locations.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$500,000.00
Pre-Design Cost:	
Design Cost:	$1,250,000.00
Const. Cost:	$7,250,000.00
Const. Admin. Cost:	$750,000.00
Total Proj. Cost:	**$9,750,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014715

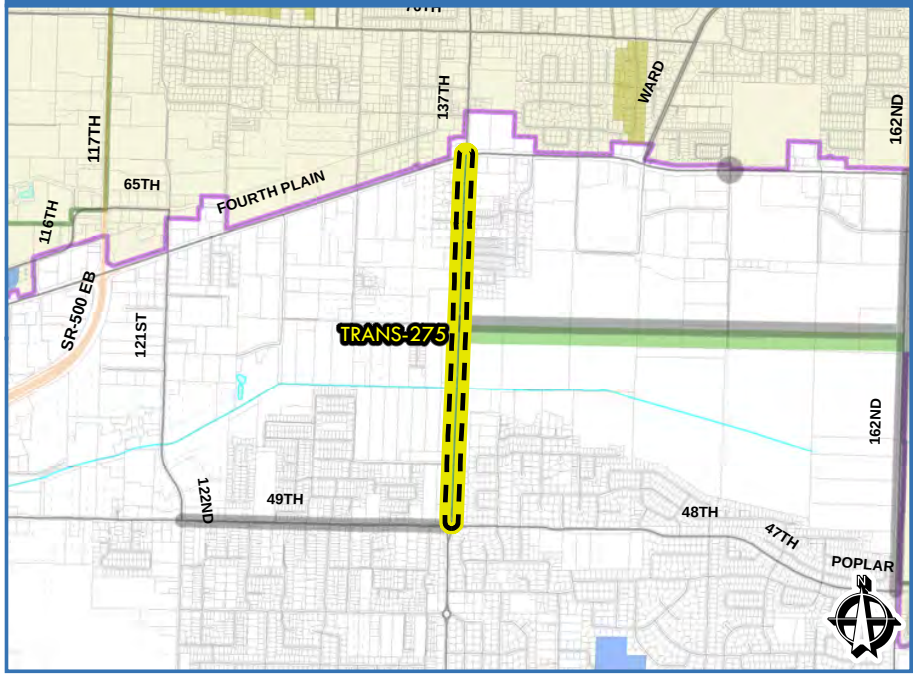
PROJECT ID: **TRANS-275**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 137TH AVE - NE 49TH ST TO NE FOURTH PLAIN BLVD**

PROJECT EXTENT: **NE 49TH ST** TO: **NE FOURTH PLAIN BLVD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Upgrade of substandard urban arterial with level of service and safety deficiencies. Project identified in Vancouver Comprehensive Plan (2011-2030).

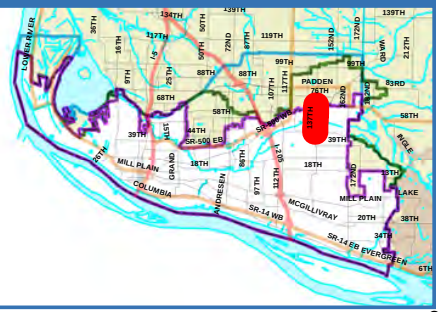
Project Description / Comments

Urban upgrade of existing 2 lane Rdway to 3 lane minor arterial roadway standard (one lane each direction with turn lane or median divider) including a new intersection at NE 59th St, sidewalks, bike lanes, St lights and sound walls where required. PSE funded. No funding for ROW or CN.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$3,500,000.00
Pre-Design Cost:	
Design Cost:	$1,600,000.00
Const. Cost:	$10,900,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$16,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:
71237

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014716

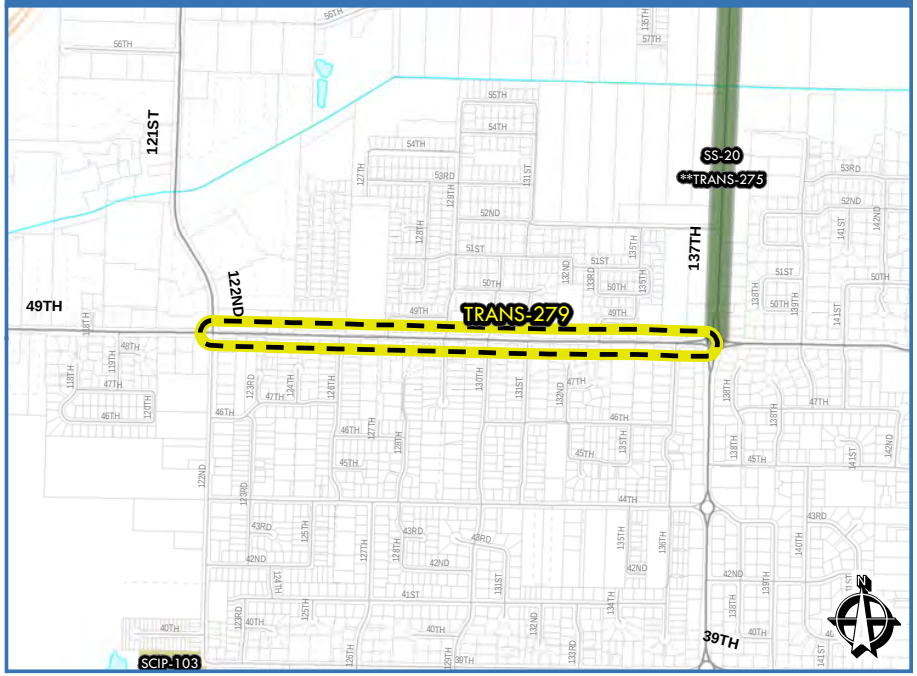
PROJECT ID: **TRANS-279**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 49TH ST - NE 122ND AVE TO NE 137TH AVE**

PROJECT EXTENT: **NE 122ND AVE** TO: **NE 137TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Capacity
Project Status: Pending Funding

PROJECT DESCRIPTION

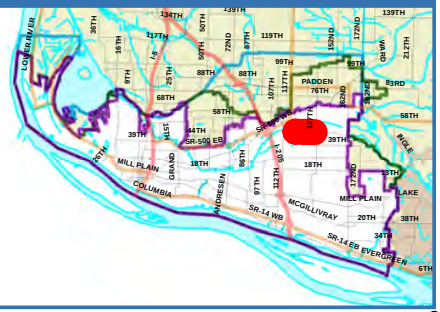
Project Justification / Priority
Upgrade of substandard urban arterial with level of service and safety deficiencies. Project identified in Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Urban upgrade of existing 2 lane Rdway to 3 lane minor arterial roadway standard (one lane each direction and turn lane) including sidewalks, bike lanes, and Stlights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$2,000,000.00
Pre-Design Cost:	
Design Cost:	$950,000.00
Const. Cost:	$5,250,000.00
Const. Admin. Cost:	$500,000.00
Total Proj. Cost:	**$8,700,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014717

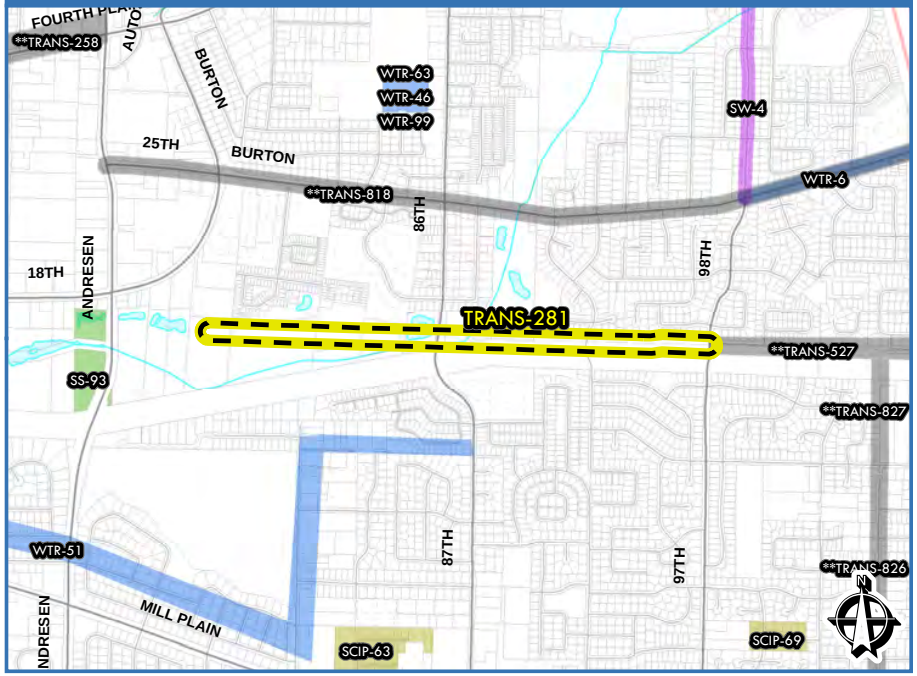
PROJECT ID: **TRANS-281**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 18TH ST - NE 87TH AVE TO NE 97TH AVE**

PROJECT EXTENT: **NE 87TH AVE** TO: **NE 97TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Capacity
Project Status: Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

New Rdway segment which provide planned east / west circulation. Project identified in Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments

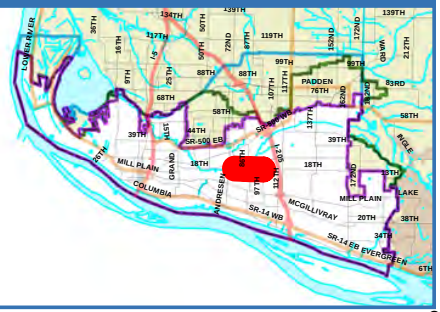
New St construction to a minor arterial standard (one lane each direction plus turn lane) with bike lanes, St lights, sound walls, sidewalk on north side of street and shared use pathway on south side of street.

Environmental Assessment and alignment study completed and approved in 2004

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$2,100,000.00
Pre-Design Cost:	
Design Cost:	$1,600,000.00
Const. Cost:	$9,500,000.00
Const. Admin. Cost:	$1,000,000.00
Total Proj. Cost:	**$14,200,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014718

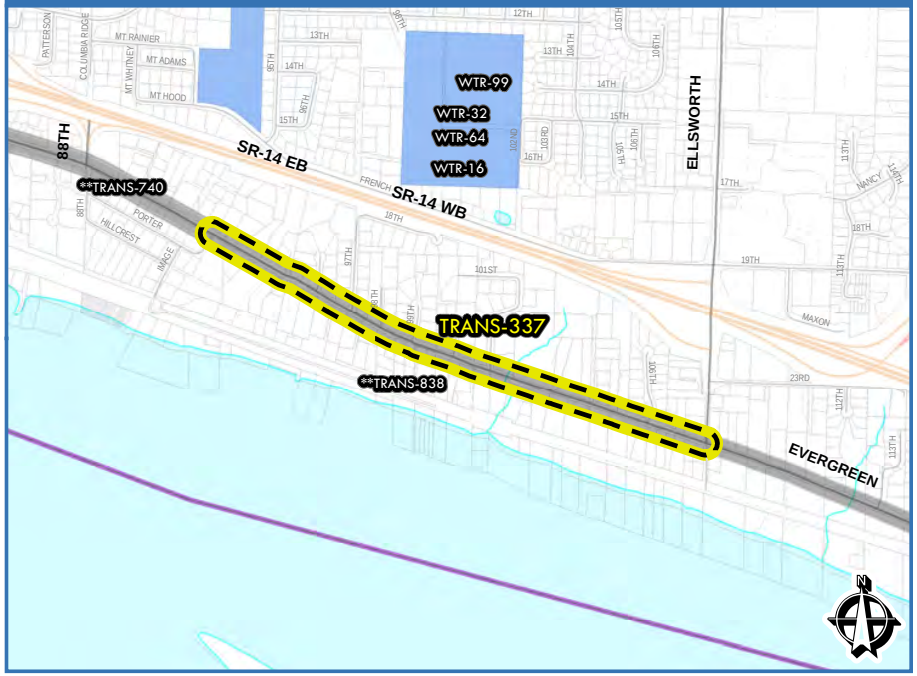
PROJECT ID: **TRANS-337**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **EVERGREEN HWY TRAIL - ELLSWORTH RD TO WEBER ARBORETUM**

PROJECT EXTENT: **ELLSWORTH RD** TO: **IMAGE RD (APPROXIMATE)**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Substandard Rdway and shoulder conditions, priority east/west pedestrian and bicycle corridor. Project listed in Vancouver Comprehensive Plan (2011-2030). Project identified in adjacent Neighborhood Action Plans.

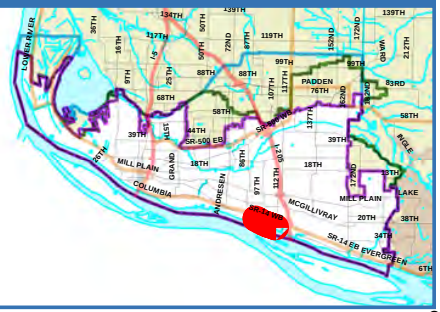
Project Description / Comments

Upgrade St for 6-10 foot pedestrian pathway on south side of Rdway. Design will be completed for entire length, but construction is only funded from Ellsworth to approximately 100th Court.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$140,000.00
Pre-Design Cost:	
Design Cost:	$170,000.00
Const. Cost:	$690,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$1,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2013

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014719

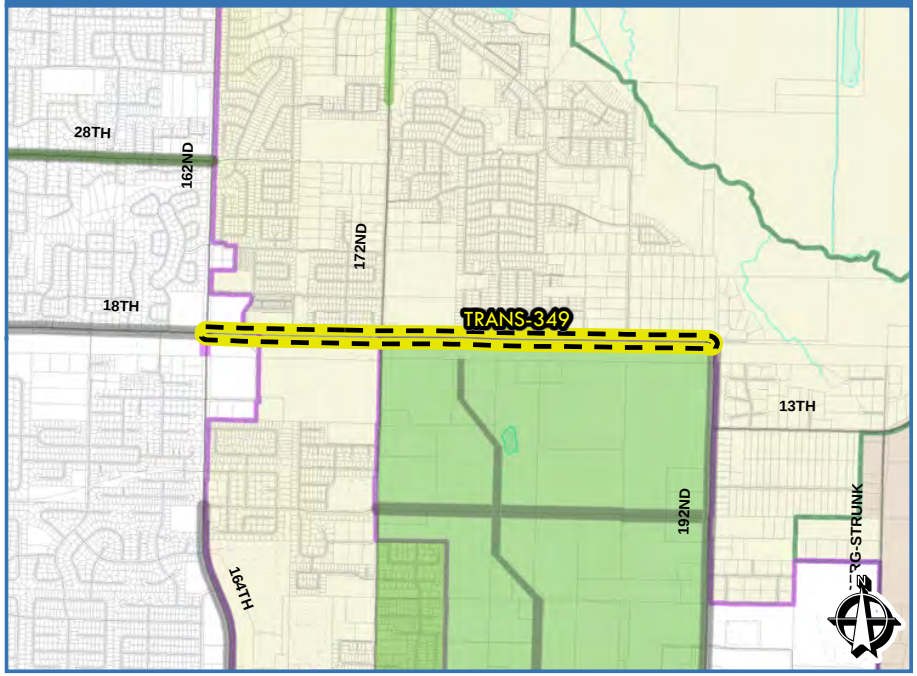
PROJECT ID: **TRANS-349**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 18TH ST - NE 164TH AVE TO NE 192ND AVE**

PROJECT EXTENT: **NE 164TH AVE** TO: **NE 192ND AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Substandard urban arterial with level of service and safety deficiencies. Project identified in the Vancouver Comprehensive Plan (2011-2030).

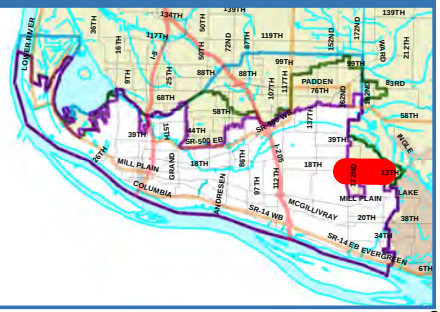
Project Description / Comments

Urban upgrade of 2 lane Rdway to 5 lane urban principal arterial standard (two lanes each direction plus turn lane) with bike lanes, St lights, sound walls, sidewalk on north side of St and shared use pathway on south side of street. *Environmental Assessment alignment study completed and approved in 2004*

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$4,000,000.00
Pre-Design Cost:	
Design Cost:	$1,750,000.00
Const. Cost:	$11,500,000.00
Const. Admin. Cost:	$1,000,000.00
Total Proj. Cost:	**$18,250,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014720

PROJECT ID: **TRANS-363**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **SE 136TH AVE @ SE 7TH ST**

PROJECT EXTENT: TO:

PROJECT AREA MAP

PROJECT SUMMARY

Utility Type: Transportation
Project Type: Traffic
Project Status: In Design

PROJECT DESCRIPTION

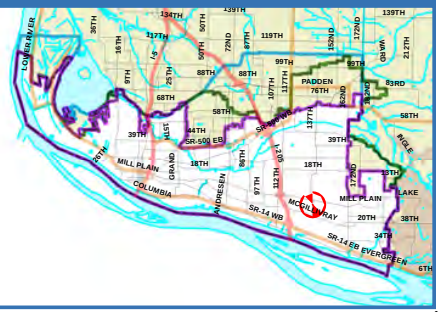
Project Justification / Priority
Substandard intersection with level of service and safety deficiencies. Project identified in the Vancouver Comprehensive Plan (2011-2030). Based on 2012 safety report this project has potentially high safety benefits.

Project Description / Comments
Installation of new traffic signal. Improvement includes upgrades to ADA ramps and Stlights. Design and ROW fully funded. Pursuing grants to fund construction.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:
071230

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014721

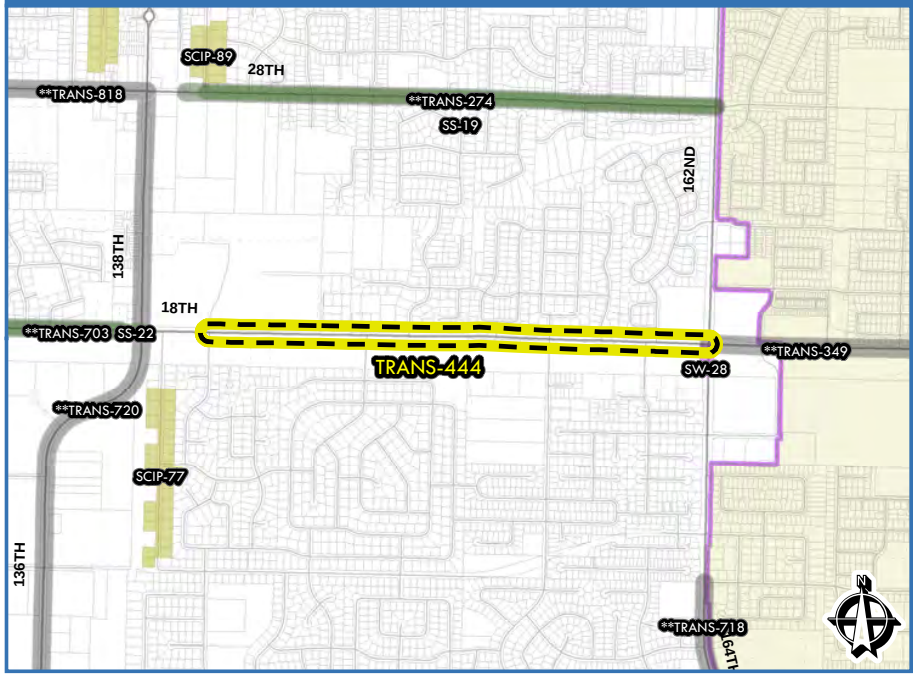
PROJECT ID: **TRANS-444**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 18TH ST - NE 142ND AVE TO NE 162ND AVE**

PROJECT EXTENT: **NE 142ND AVE** TO: **NE 162ND AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Substandard urban arterial with level of service and safety deficiencies. Project identified in the Vancouver Comprehensive Plan (2011-2030).

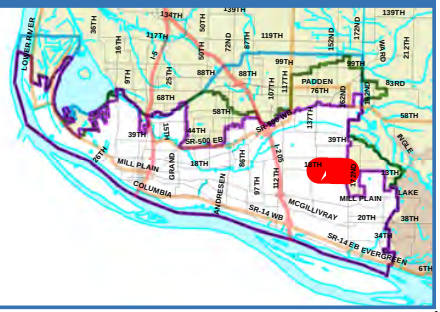
Project Description / Comments

Urban upgrade of 2 lane Rdway to 5 lane urban principal arterial standard (two lanes each direction plus turn lane) with bike lanes, St lights, sound walls, sidewalk on north side of St and shared use pathway on south side of street. *Environmental Assessment alignment study completed and approved in 2004*

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$7,500,000.00
Pre-Design Cost:	
Design Cost:	$1,500,000.00
Const. Cost:	$9,600,000.00
Const. Admin. Cost:	$1,000,000.00
Total Proj. Cost:	**$19,600,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014722

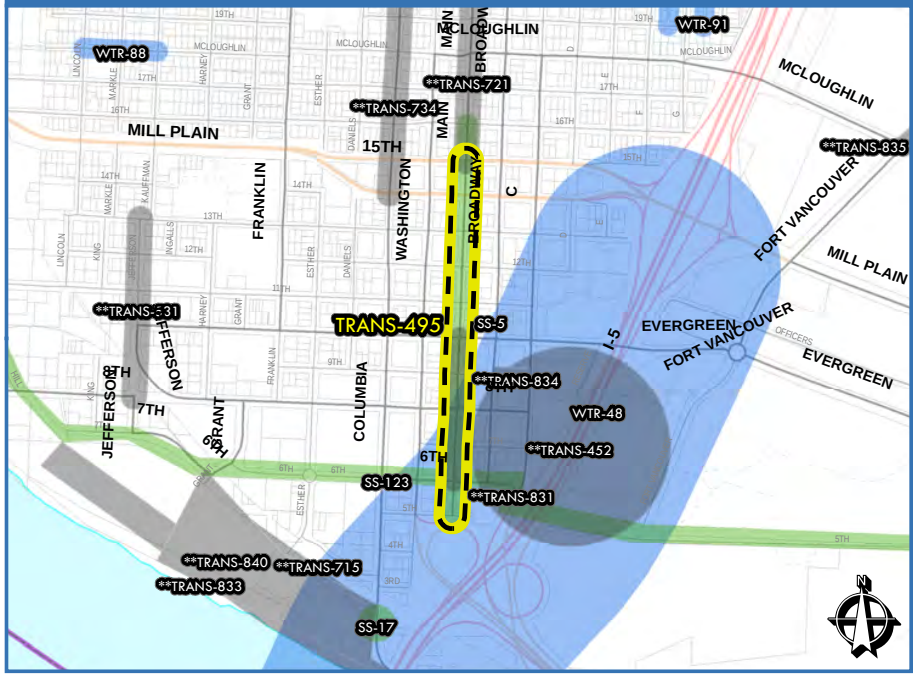
PROJECT ID: **TRANS-495**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **MAIN ST RECONSTRUCTION - 5TH ST TO 15TH STREET**

PROJECT EXTENT: **5TH ST** TO: **15TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Priority project identified in the Vancouver City Center Vision plan (2007). Project identified in the Vancouver Comprehensive Plan (2011-2030).Based on 2012 safety report this project has potentially high safety benefits.

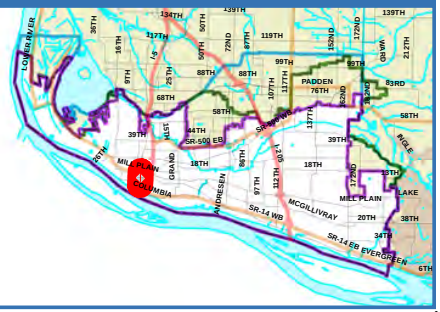
Project Description / Comments

Complete reconstruction of pavement and sidewalks. Project includes upgraded Street lighting, and pedestrian amenities.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$1,400,000.00
Const. Cost:	$8,750,000.00
Const. Admin. Cost:	$1,000,000.00
Total Proj. Cost:	**$11,150,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014723

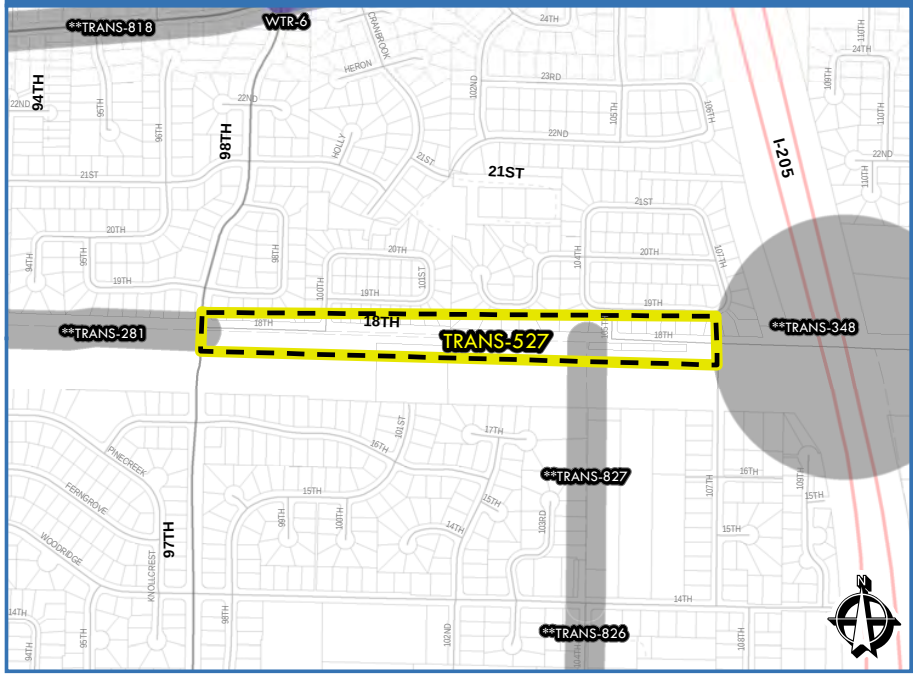
PROJECT ID: **TRANS-527**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 18TH ST - NE 97TH AVE TO NE 107TH AVENUE**

PROJECT EXTENT: **NE 97TH AVE** TO: **NE 107TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Capacity
Project Status: Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

New Interchange will be constructed at NE 18th St. EA study completed and approved in a FONSI by FHWA in 2004. Project identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments

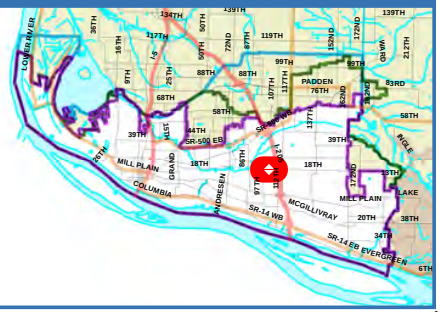
New street construction and upgrade of existing segments to a minor arterial standard (two lane each direction plus turn lane) with bike lanes, St lights, sound walls, sidewalk on north side of street and shared use pathway on south side of street.

Environmental Assessment and alignment study completed and approved in 2004

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$1,900,000.00
Pre-Design Cost:	
Design Cost:	$1,350,000.00
Const. Cost:	$8,500,000.00
Const. Admin. Cost:	$1,000,000.00
Total Proj. Cost:	**$12,750,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014724

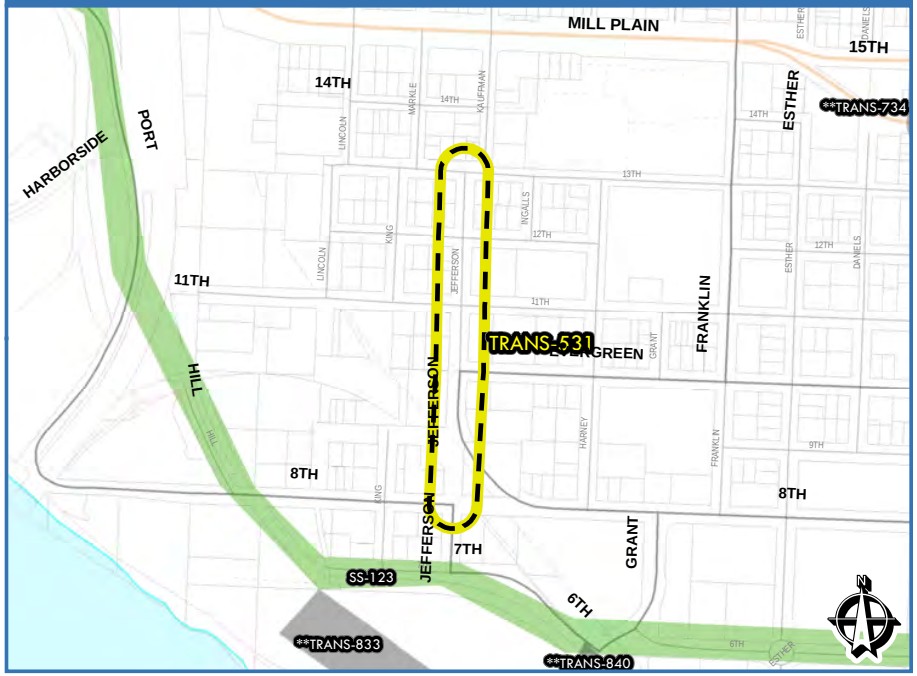
PROJECT ID: **TRANS-531**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **JEFFERSON ST - W EVERGREEN TO W MILL PLAIN BLVD**

PROJECT EXTENT: **8TH ST** TO: **13TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Priority west side circulation route identified in the Vancouver City Center Vision plan (2007). Project identified in the Vancouver Comprehensive Plan (2011-2030).Based on 2012 safety report this project has potentially high safety benefits.

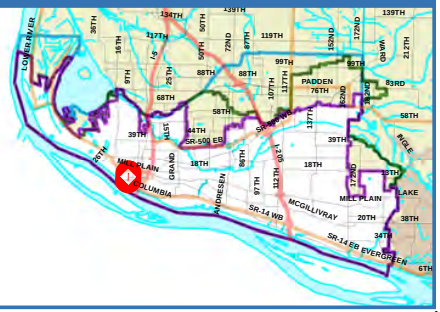
Project Description / Comments

Upgrade Rdway to 3 lane minor arterial standard (one lane each direction and turn lane) including upgrades to ADA ramps, sidewalk repair, bike lanes and St lights. Project includes the realignment of Jefferson/Kauffman @ 13th St. Design phase partially funded. No funding to complete design, ROW, or Construction.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$10,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014725

PROJECT ID: **TRANS-536**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **FRUIT VALLEY RD - 61ST ST TO NW 78TH ST**

PROJECT EXTENT: **WHITNEY RD** TO: **NW 78TH ST**

PROJECT AREA MAP

PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Substandard Rdway conditions and reported safety concerns. Project identified in the Vancouver Comprehensive Plan (2011-2030).

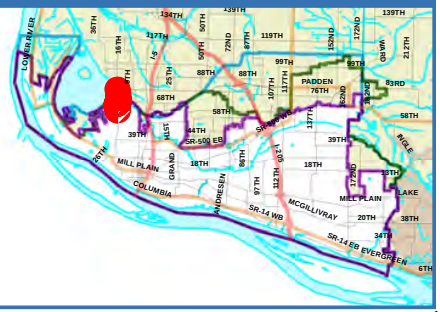
Project Description / Comments

Urban upgrade of 2 lane Rdway to full urban principal arterial standard (one lane each direction plus center turn lane) including sidewalks, bike lanes, Stlights, and rehabilitation of existing bridge. Project includes replacement of bridge over railroad tracks. *Environmental Assessment alignment study completed in approved in 200x*

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$100,000.00
Pre-Design Cost:	
Design Cost:	$6,000,000.00
Const. Cost:	$25,000,000.00
Const. Admin. Cost:	$3,000,000.00
Total Proj. Cost:	**$34,100,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014726

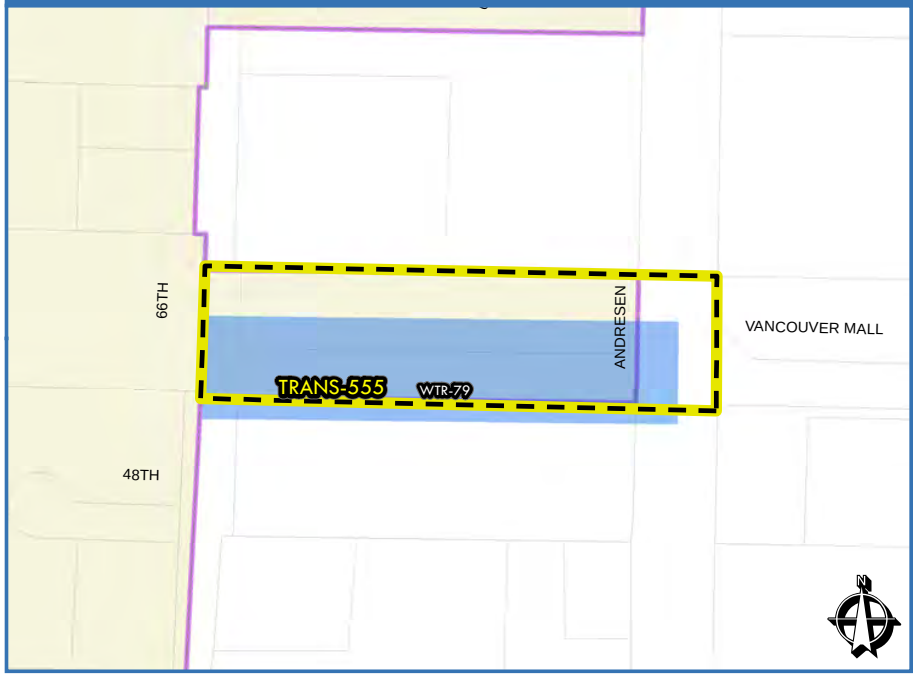
PROJECT ID: **TRANS-555**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE VANCOUVER MALL DR. - NE ANDRESEN RD. TO NE 66TH AVE**

PROJECT EXTENT: **NE ANDRESEN RD.** TO: **NE 66TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

New Rdway segment to create east / west circulation. Project identified in the Vancouver Comprehensive Plan (2011-2030).

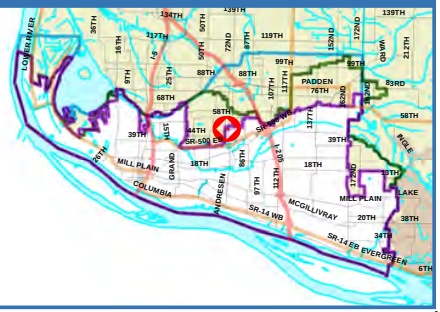
Project Description / Comments

New St construction to an 3 lane urban arterial standard (one lane each direction and turn lane) including sidewalks, bike lanes and Stlights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$950,000.00
Pre-Design Cost:	
Design Cost:	$170,000.00
Const. Cost:	$1,100,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$2,220,000.00**

FUNDING STRATEGY

Budget / Proj. #:
71241

Budget / Proj. Task #:

***Start of Construction (Year):**
2015

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014727

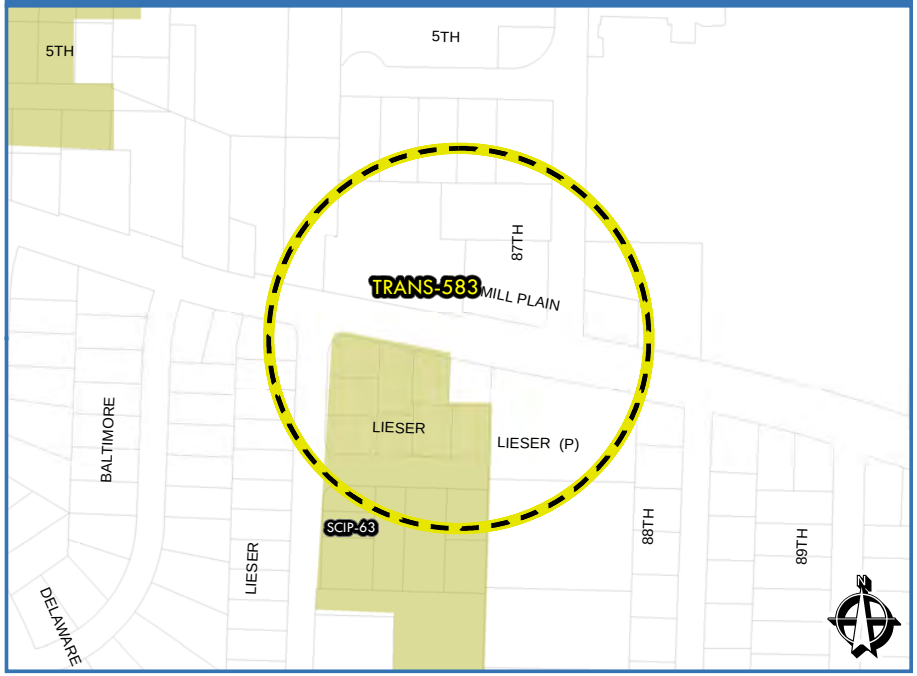
PROJECT ID: **TRANS-583**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 87TH AVE / LIESER RD. REALIGNMENT**

PROJECT EXTENT: **LIESER RD.** TO: **EAST 5TH ST.**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Offset intersections create significant traffic delay and safety concerns. Project identified in the Vancouver Comprehensive Plan (2011-2030).

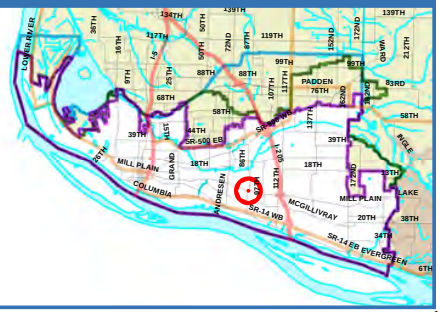
Project Description / Comments

Intersection modifications along E. Mill Plain Blvd. at NE 87th Ave. and Lieser Rd to improve capacity and safety at these offset intersections. Scope of project is undefined.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014728

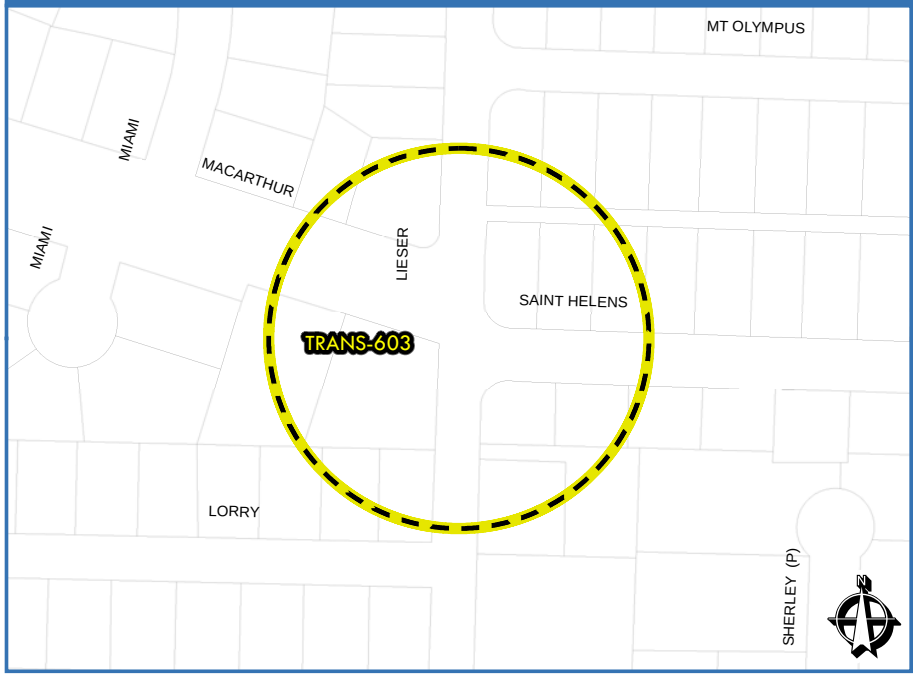
PROJECT ID: **TRANS-603**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **LEISER RD @ MACARTHUR ST. INTERSECTION**

PROJECT EXTENT: **MACARTHUR ST. INTERSECTION** TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

This is four-way-stop controlled intersection is operating near maximum capacity with the current configuration during PM peak hour. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

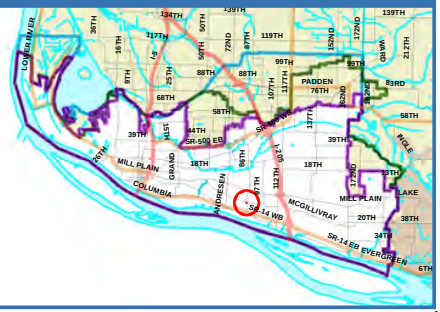
Project Description / Comments

Intersection modification to construct new traffic signal. Improvements will include upgraded sidewalks, ADA ramps and St lights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$225,000.00
Const. Cost:	$750,000.00
Const. Admin. Cost:	$100,000.00
Total Proj. Cost:	**$1,075,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014729

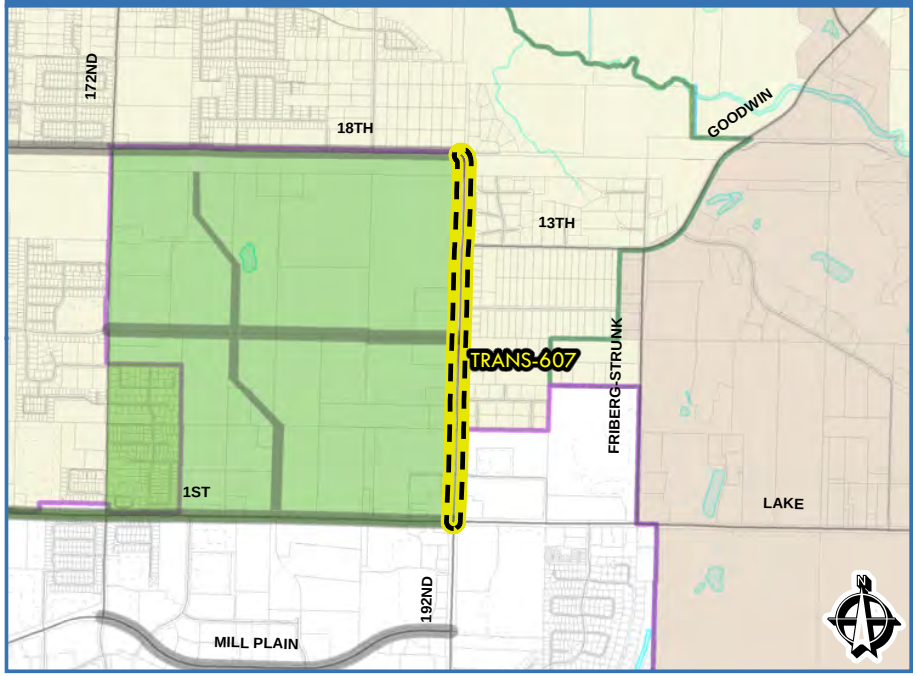
PROJECT ID: **TRANS-607**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 192ND AVE - SE 1ST ST. TO NE 18TH ST.**

PROJECT EXTENT: **SE 1ST ST** TO: **NE 18TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Improvement listed in Vancouver Comprehensive Plan (2011-2030). Substandard 2-lane Rdway.

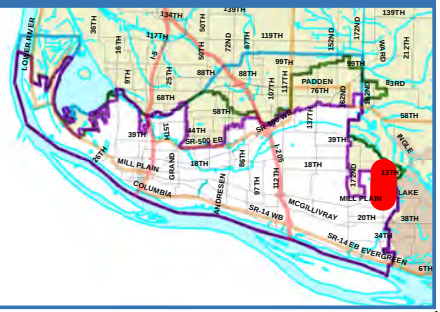
Project Description / Comments

Urban upgrade of existing 2 lane Rdway to 5 lane principal arterial standard with bike lanes, sidewalks and Stlights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$500,000.00
Pre-Design Cost:	
Design Cost:	$1,000,000.00
Const. Cost:	$2,715,763.00
Const. Admin. Cost:	
Total Proj. Cost:	**$4,215,763.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014730

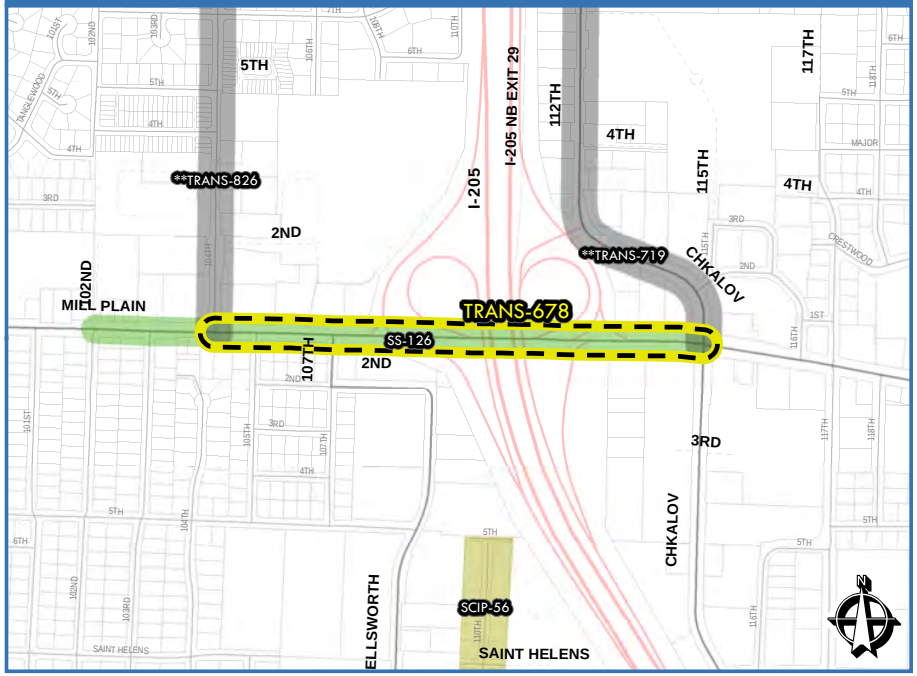
PROJECT ID: **TRANS-678**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **E MILL PLAIN BLVD. - 104TH AVE TO CHKALOV**

PROJECT EXTENT: **NE 104TH AVE** TO: **CHKALOV**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

The offset intersections of 104th / 105th create traffic level of service delays and safety deficiency. Additionally, striping, lighting, and pedestrian access needs to be improved along the corridor. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

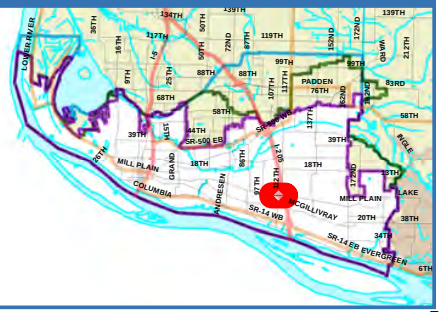
Project Description / Comments

Intersection modification to eliminate offset intersections. Improvements include extension of SE 104th Ave to SE 2nd St and modification of access to SE 105th Ave and NE 107th Ave. Other project improvements include upgrades to ADA ramps, sidewalk improvements, Street lights, striping, overlay, and improved transit stops.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$4,500,000.00**

FUNDING STRATEGY

Budget / Proj. #:
071223

Budget / Proj. Task #:

***Start of Construction (Year):**
2016

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014731

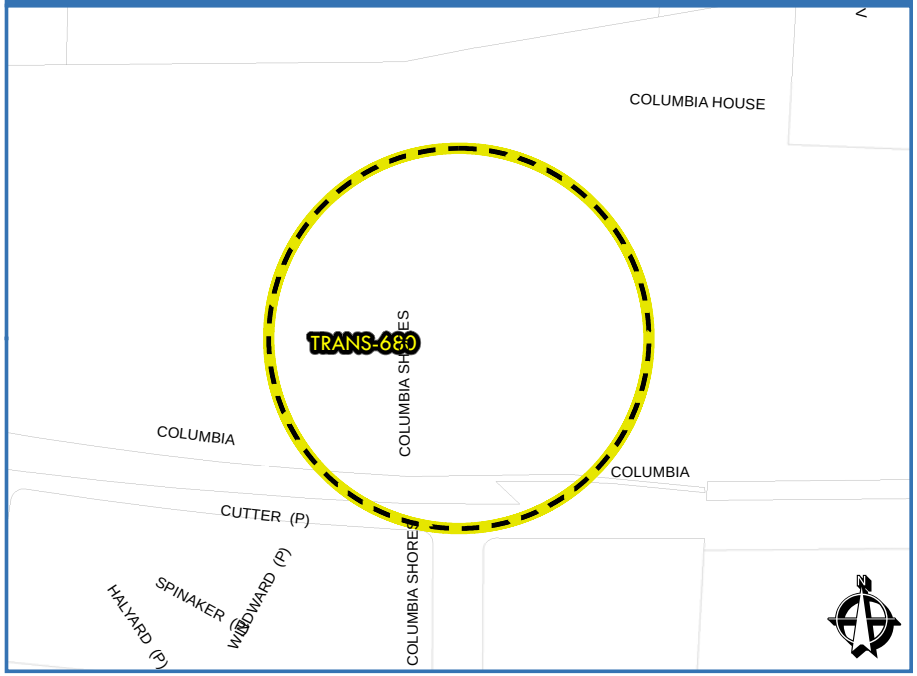
PROJECT ID: **TRANS-680**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **COLUMBIA SHORES BLVD @ COLUMBIA WAY - BNSF UNDERCROSSING WIDENING**

PROJECT EXTENT: **RR UNDERCROSSING PORTAL** TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Level of service deficiency and sub-standard pedestrian and bicycle access conditions. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

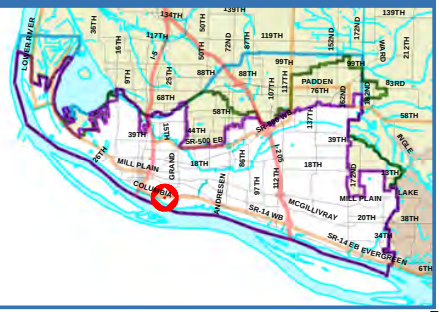
Project Description / Comments

This project will widen the existing RR undercrossing portal and improve the intersection at Columbia Shores and Columbia Way. Total scope of project is undefined.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$25,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014732

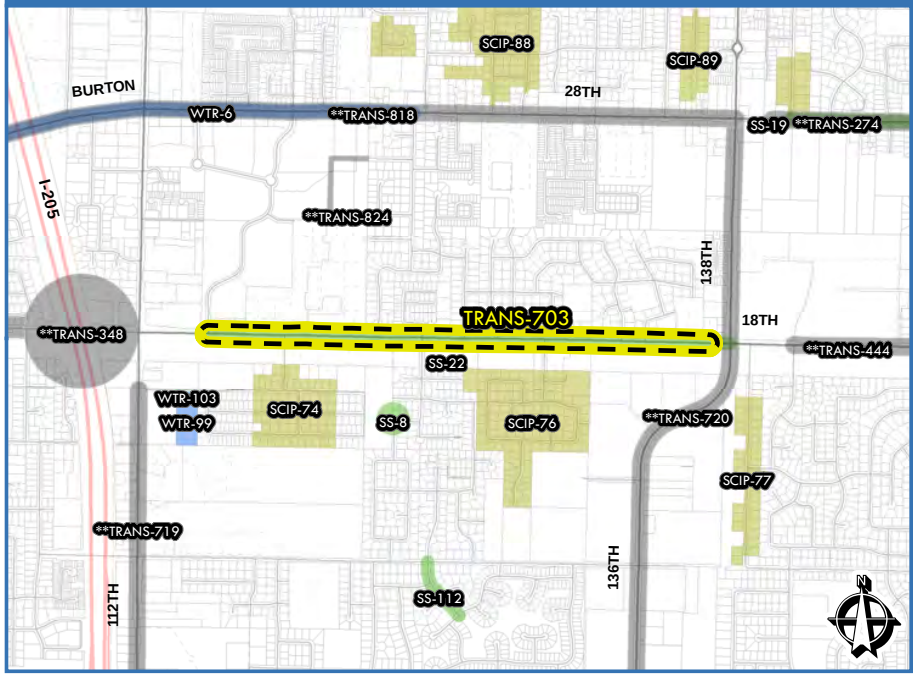
PROJECT ID: **TRANS-703**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 18TH ST - FOUR SEASONS LANE TO NE 138TH AVE**

PROJECT EXTENT: **FOUR SEASONS LANE** TO: **138TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Committed

PROJECT DESCRIPTION

Project Justification / Priority

Upgrade substandard urban arterial to resolve level of service and safety deficiencies. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments

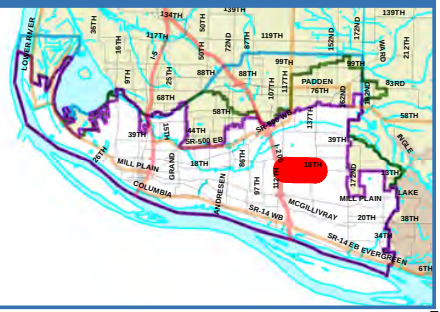
Urban upgrade of 2 lane Rdway to 5 lane urban principal arterial standard (two lanes each direction plus turn lane) with bike lanes, St lights, sound walls, sidewalk on north side of St and shared use pathway on south side of street. Construction fully funded. Planned to begin work in 2016.

Environmental Assessment and alignment study completed and approved in 2004

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$0.00
Pre-Design Cost:	
Design Cost:	$500,000.00
Const. Cost:	$10,500,000.00
Const. Admin. Cost:	$11,000,000.00
Total Proj. Cost:	**$11,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:
71614

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014733

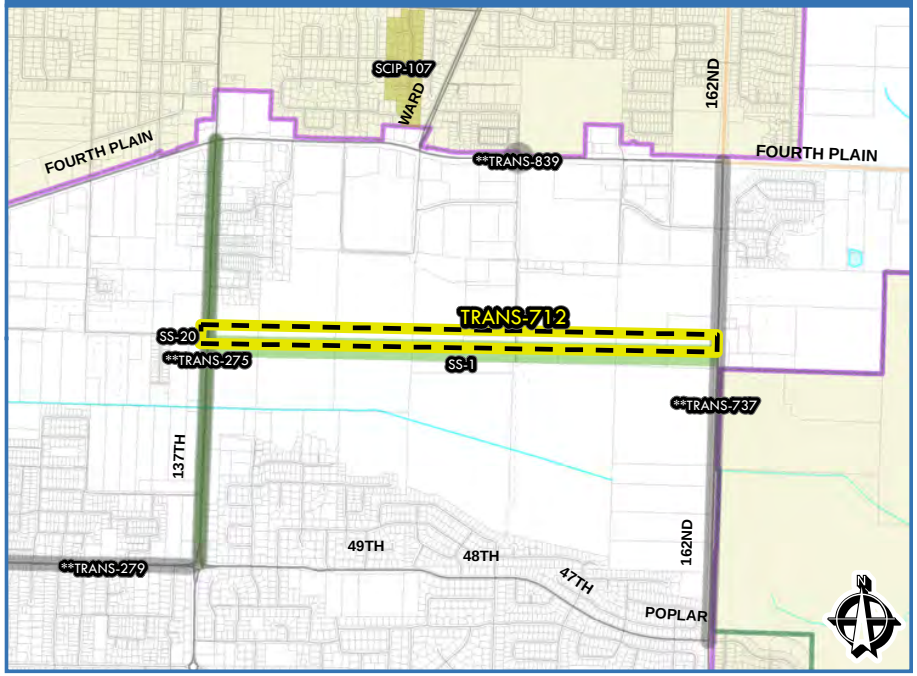
PROJECT ID: **TRANS-712**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 59TH ST - NE 147TH AVE TO NE 162ND AVE**

PROJECT EXTENT: **NE 147TH AVE** TO: **NE 162ND AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

New Rdway segment needed to address circulation needs within sub district. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

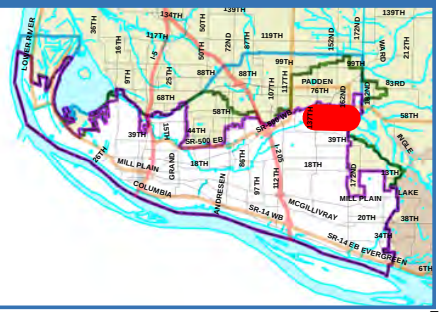
Project Description / Comments

New St construction to urban minor arterial standard (one lane each direction plus turn lane) including sidewalks, bike lanes, Stlights and surface water treatment.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$1,000,000.00
Pre-Design Cost:	$750,000.00
Design Cost:	$1,200,000.00
Const. Cost:	$4,500,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$7,450,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014734

PROJECT ID: **TRANS-715**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **COLUMBIA WAY - COLUMBIA ST TO GRANT ST**

PROJECT EXTENT: **COLUMBIA ST** TO: **GRANT ST**

PROJECT AREA MAP

PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Priority circulation route for waterfront redevelopment area identified in Vancouver City Center Vision plan (2007). Improvement listed in Vancouver Comprehensive Plan (2011-2030).

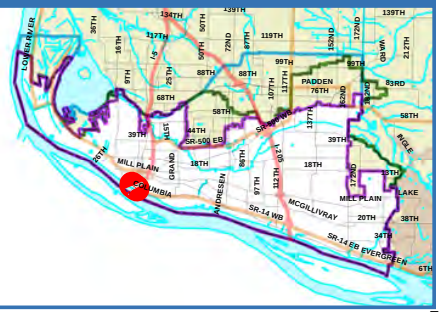
Project Description / Comments

New St construction to urban minor arterial standards (one lane each direction with on St parking) including enhanced downtown sidewalks, ornamental street lights, and bike lanes. Street will be built to accommodate streetcar transit if required in future. Any right-of-way required to construct the project is anticipated to be dedicated by the land owner at no charge.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$5,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014735

PROJECT ID: **TRANS-716**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 9TH ST - NE 172ND AVE TO NE 192ND AVE**

PROJECT EXTENT: **NE 172ND AVE** TO: **NE 192ND AVE**

PROJECT AREA MAP

PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Priority east / west circulation route identified in Section 30 Subarea Plan (2009). Improvement listed in Vancouver Comprehensive Plan (2011-2030).

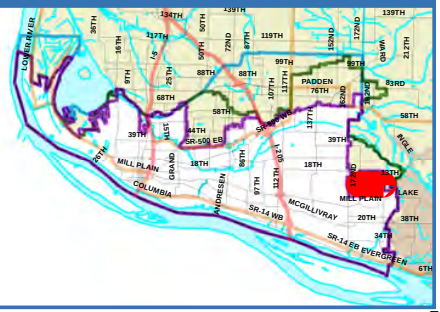
Project Description / Comments

New St construction to urban collector standards (one lane each direction plus turn lane) including sidewalks, bike lanes, and Stlights. Rdway planned in conjunction with Section 30 Sub Area Plan concept.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014736

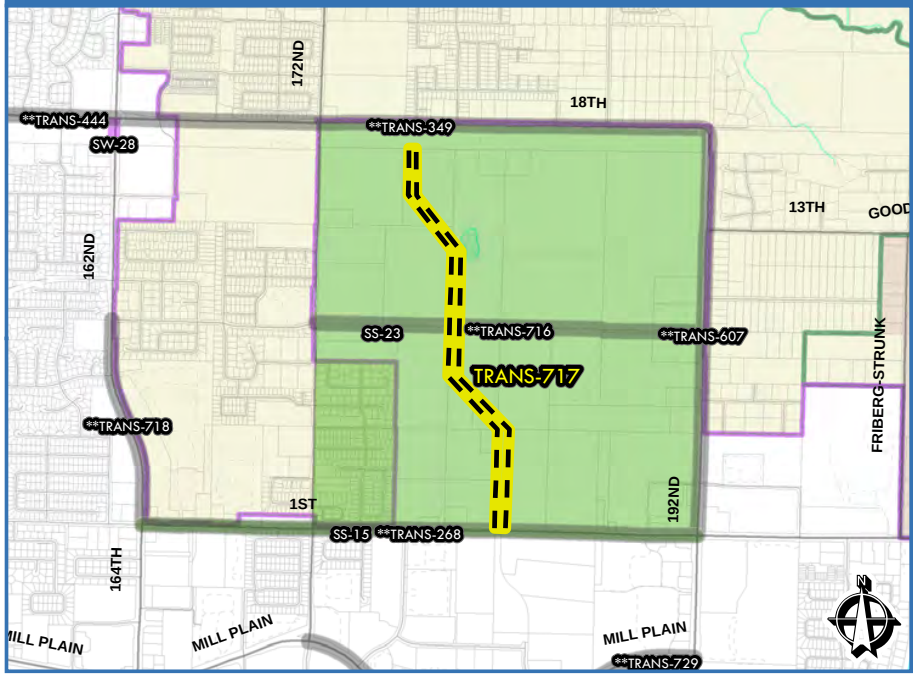
PROJECT ID: **TRANS-717**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 182ND AVE - SE 1ST ST TO NE 18TH ST**

PROJECT EXTENT: **SE 1ST ST** TO: **NE 18TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Priority north / south circulation route identified in Section 30 Subarea Plan (2009). Improvement listed in Vancouver Comprehensive Plan (2011-2030).

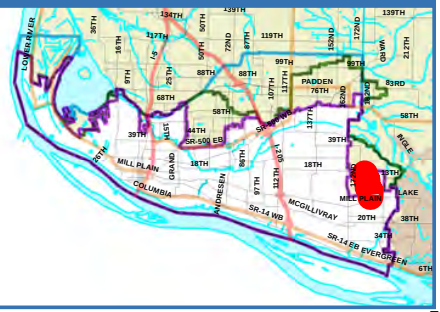
Project Description / Comments

New St construction to urban collector standards (one lane each direction plus turn lane) including sidewalks, bike lanes, and Stlights. Rdway weaves north / south through site and planned in conjunction with Section 30 Sub Area Plan concept.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014737

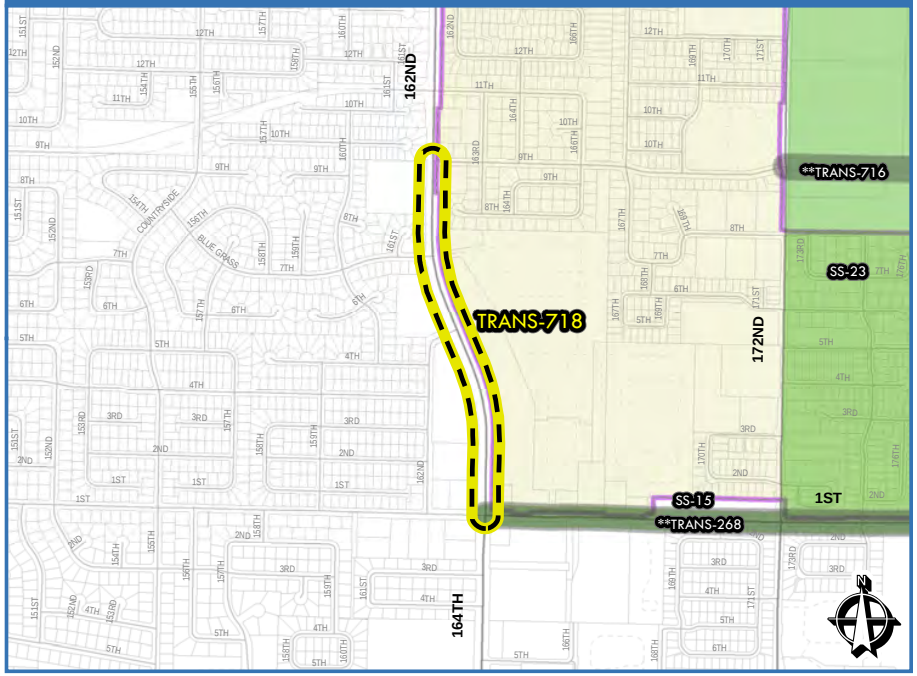
PROJECT ID: **TRANS-718**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 162ND AVE - SE 1ST ST TO NE 9TH ST**

PROJECT EXTENT: **SE 1ST ST** TO: **NE 9TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Roadway constriction at this location. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

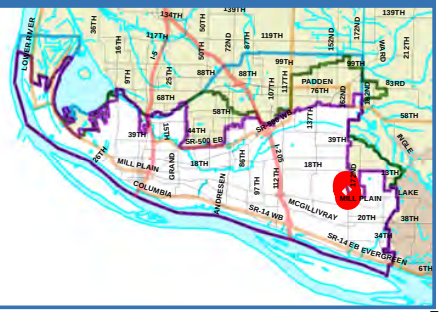
Project Description / Comments

Urban upgrade of 5 lane Rdway to 7 lane principal arterial standard (3 lanes each direction plus turn lane) including sidewalks, bike lanes and Stlights

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$2,500,000.00
Pre-Design Cost:	
Design Cost:	$1,000,000.00
Const. Cost:	$7,000,000.00
Const. Admin. Cost:	$750,000.00
Total Proj. Cost:	**$11,250,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014738

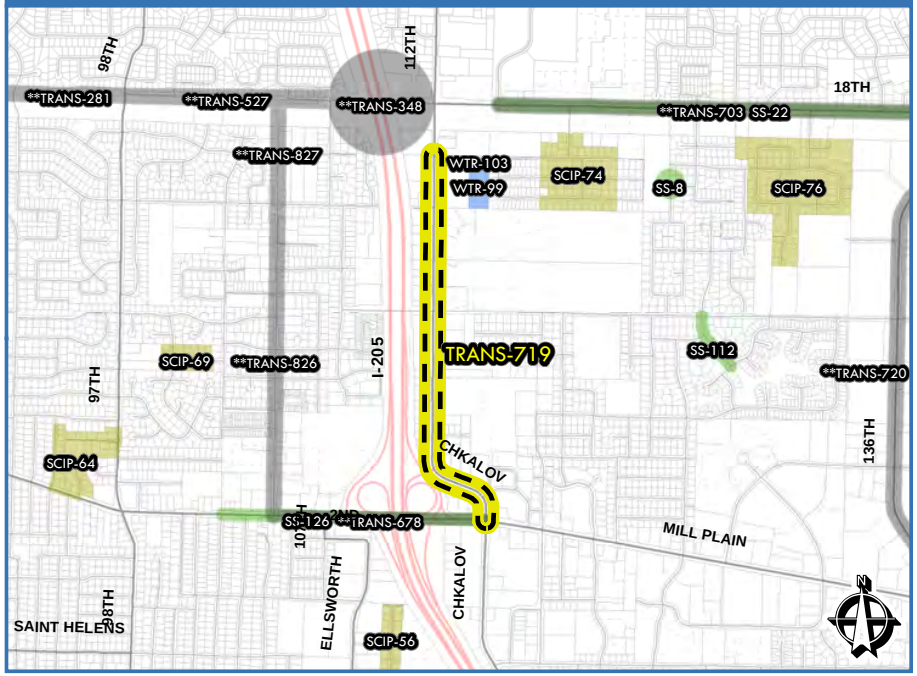
PROJECT ID: **TRANS-719**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 112TH AVE - E MILL PLAIN BLVD. TO NE 15TH ST**

PROJECT EXTENT: **E MILL PLAIN BLVD** TO: **NE 15TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Priority sidewalk improvement identified in 112th Ave Subarea Plan (2011). Improvement listed in Vancouver Comprehensive Plan (2011-2030).

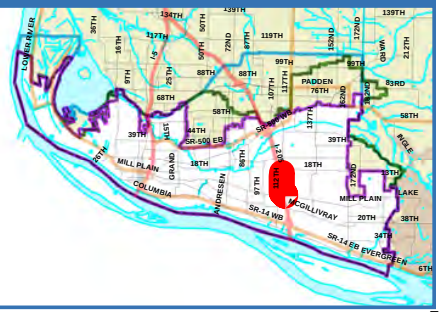
Project Description / Comments

Corridor improvement project to bring NE 112th Avenue up to urban arterial standards.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$400,000.00
Const. Cost:	$1,100,000.00
Const. Admin. Cost:	$150,000.00
Total Proj. Cost:	**$1,650,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014739

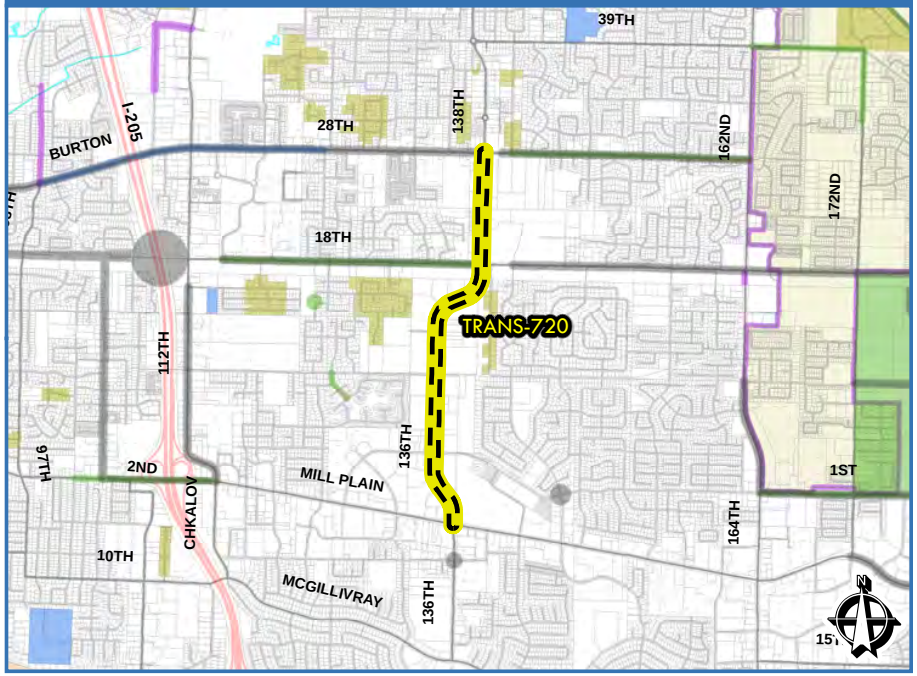
PROJECT ID: **TRANS-720**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 136TH / 137TH AVE - E MILL PLAIN BLVD TO NE 28TH ST**

PROJECT EXTENT: **E MILL PLAIN BLVD** TO: **NE 28TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	Completed

PROJECT DESCRIPTION

Project Justification / Priority

Improvement listed in Vancouver Comprehensive Plan (2011-2030). Project identified as regional priority in the Transportation System Management and Operations Plan (RTC 2011).Based on 2012 safety report this project has potentially high safety benefits.

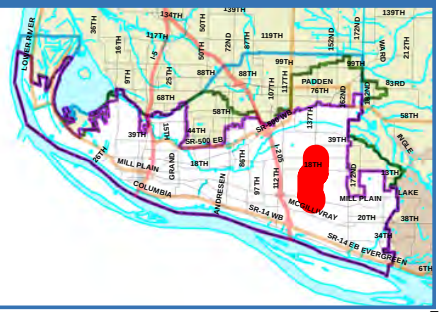
Project Description / Comments

Install new switches and signal hardware at each traffic signal. Project will improve communications and operations of signal network.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014740

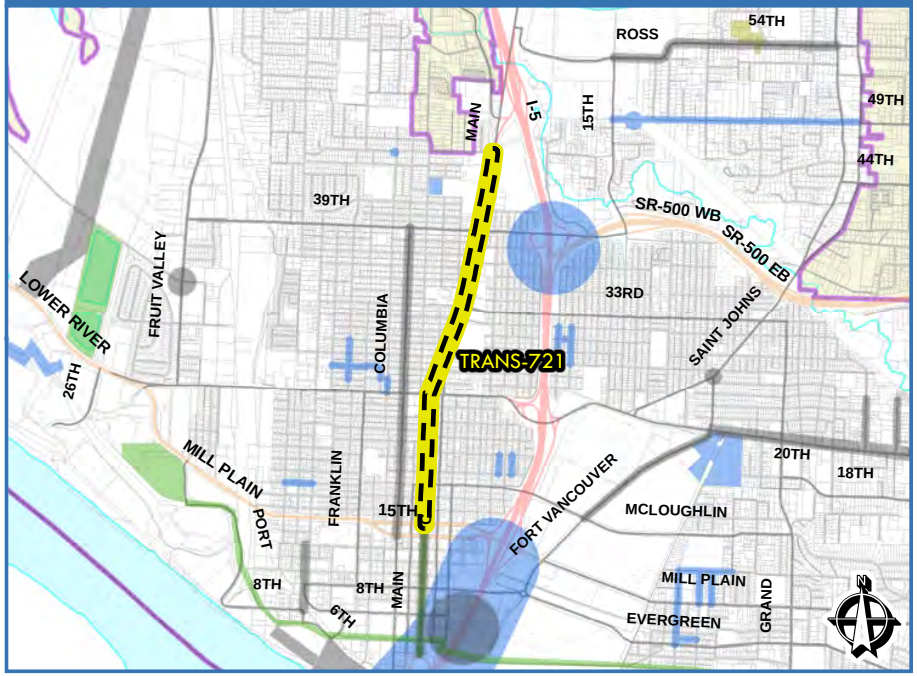
PROJECT ID: **TRANS-721**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **COLUMBIA ST./MAIN ST. VAST 6TH TO 45TH**

PROJECT EXTENT: **6TH ST** TO: **NE 45TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Traffic
Project Status: In Design

PROJECT DESCRIPTION

Project Justification / Priority

Improvement listed in Vancouver Comprehensive Plan (2011-2030). Project identified as regional priority in the Transportation System Management and Operations Plan (RTC 2011).Based on 2012 safety report this project has potentially high safety benefits.

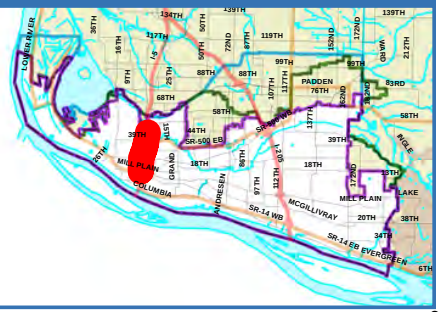
Project Description / Comments

Install new fiber optic communications fiber and signal hardware at each traffic signal. Project will improve communications and operations of signal network.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$200,000.00
Const. Cost:	$859,900.00
Const. Admin. Cost:	
Total Proj. Cost:	**$1,059,900.00**

FUNDING STRATEGY

Budget / Proj. #:
71327

Budget / Proj. Task #:

***Start of Construction (Year):**
2015

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014741

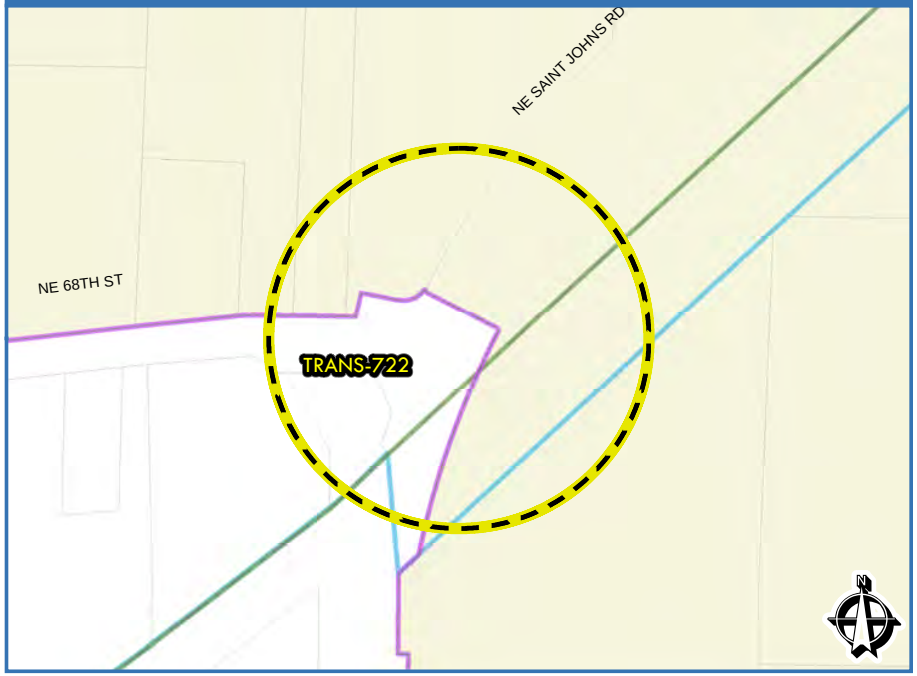
PROJECT ID: **TRANS-722**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **ST JOHNS BLVD. @ NE 68TH ST**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Traffic
Project Status: In Design

PROJECT DESCRIPTION

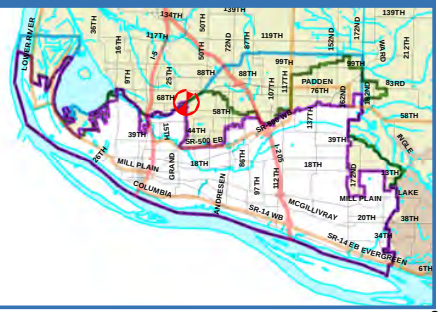
Project Justification / Priority
Level of service deficiency. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Modify existing intersection for traffic safety and operations.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:
71310

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014742

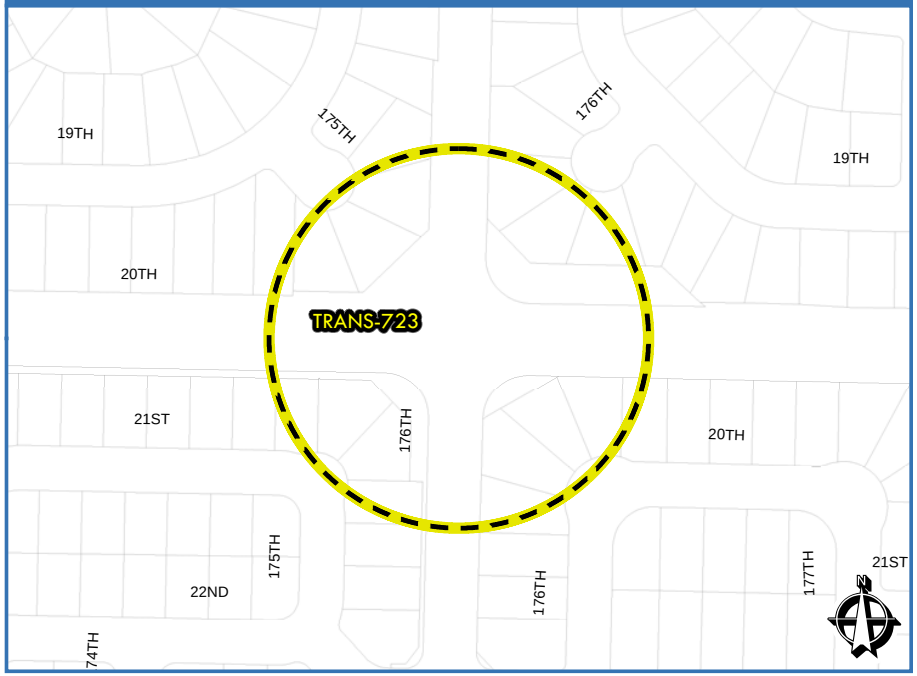
PROJECT ID: **TRANS-723**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **SE 20TH ST @ SE 176TH AVE**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Traffic
Project Status: In Design

PROJECT DESCRIPTION

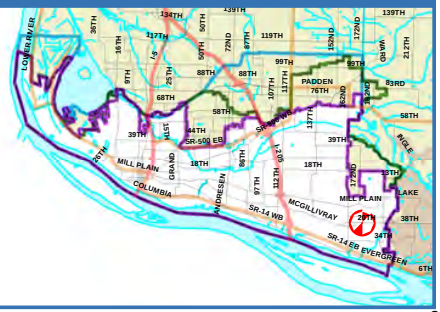
Project Justification / Priority
Level of service deficiency. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Modify existing intersection for traffic safety and operations.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:
71227

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014743

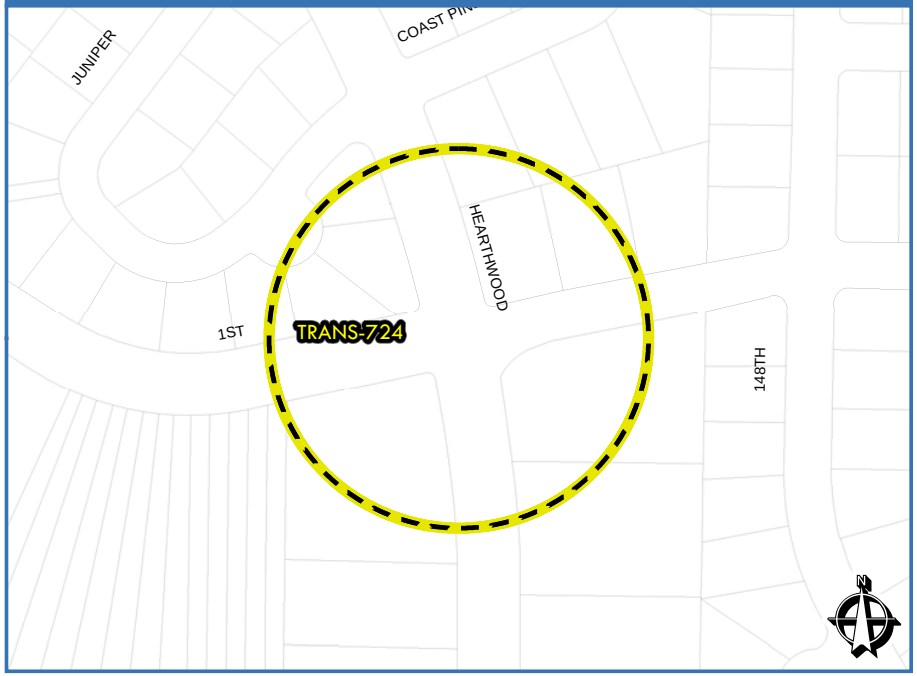
PROJECT ID: **TRANS-724**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **HEARTHWOOD @ SE 1ST ST**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Level of service deficiency. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

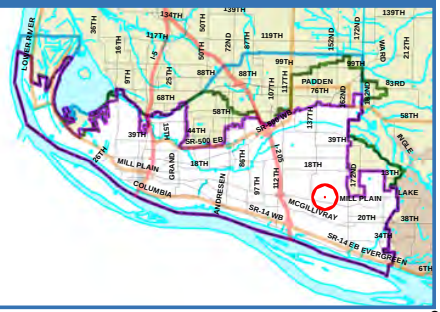
Project Description / Comments

Modify existing intersection for traffic safety and operations. Scope of work undefined.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:
71231

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014744

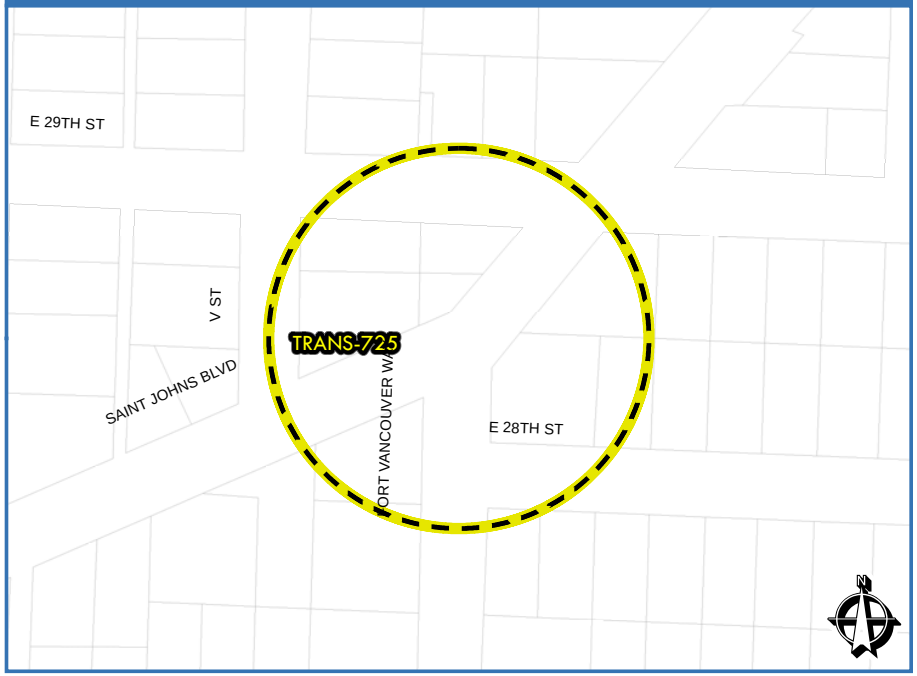
PROJECT ID: **TRANS-725**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **ST JOHNS BLVD. @ FT VANCOUVER WAY**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Level of Service deficiency. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

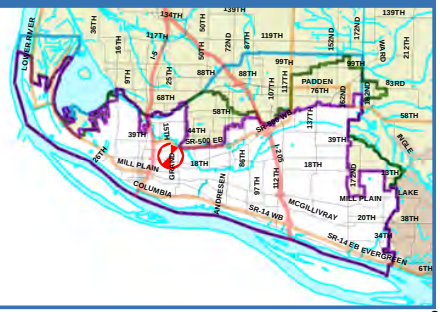
Project Description / Comments

Modify existing intersection to construct intersection improvements to address traffic safety and operational issues. Per Clark College DA, City is only responsible for ROW acquisition.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$250,000.00
Pre-Design Cost:	
Design Cost:	$175,000.00
Const. Cost:	$1,400,000.00
Const. Admin. Cost:	$175,000.00
Total Proj. Cost:	**$2,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014745

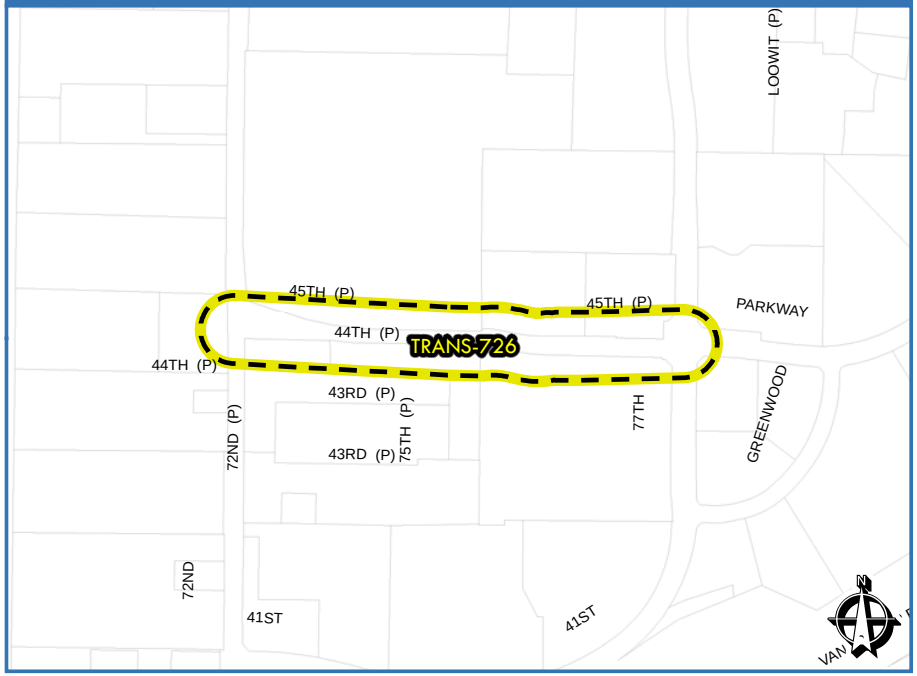
PROJECT ID: **TRANS-726**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 45TH ST - NE 72ND AVE TO NE 77TH AVE**

PROJECT EXTENT: **NE 72ND AVE** TO: **NE 77TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Missing St in arterial network. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

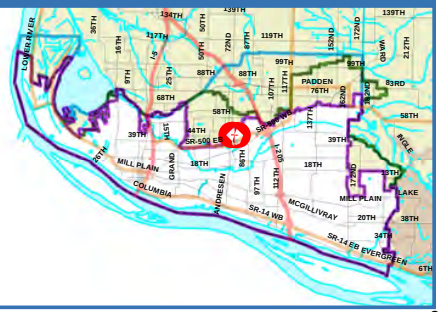
Project Description / Comments

New St construction to urban collection standard (one lane each direction plus turn lane) including sidewalks, bike lanes and Stlights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$270,000.00
Pre-Design Cost:	
Design Cost:	$125,000.00
Const. Cost:	$767,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$1,162,000.00**

FUNDING STRATEGY

Budget / Proj. #:
71242

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014746

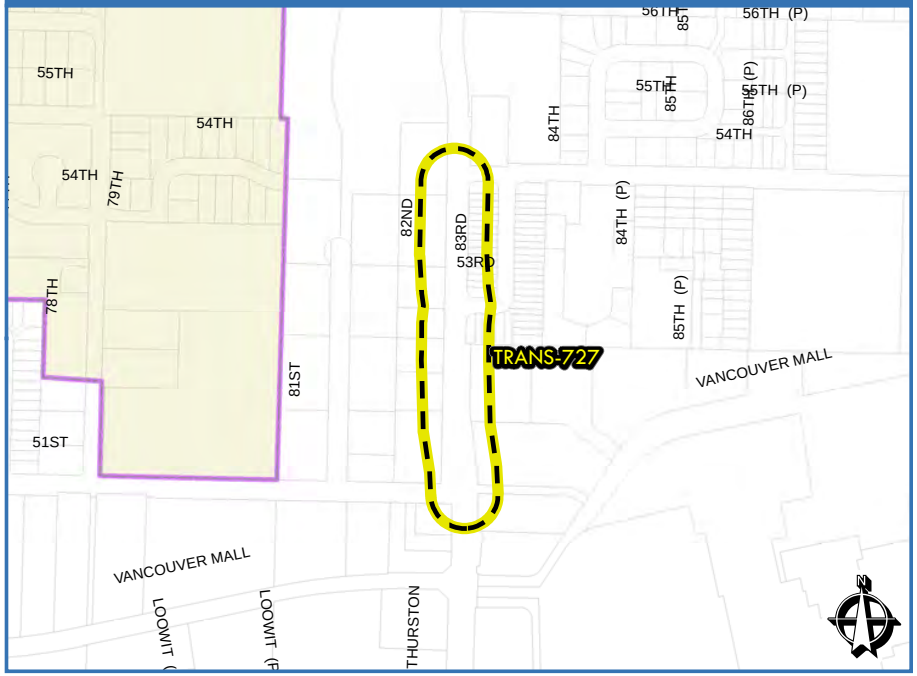
PROJECT ID: **TRANS-727**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 82ND AVE - NE 51ST ST TO NE 54TH ST**

PROJECT EXTENT: **NE 51ST ST** TO: **NE 54TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Substandard Rdway conditions. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

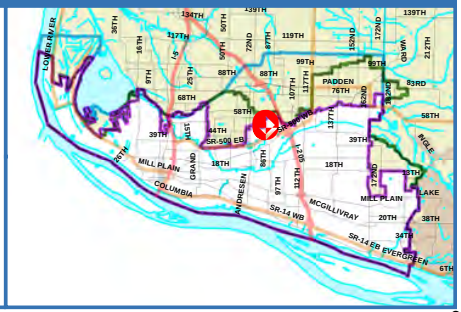
Project Description / Comments

Urban upgrade of 2 lane Rdway to minor arterial standard (2 lanes each way and turn lane) including sidewalks, bike lanes and Stlights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$82,300.00
Pre-Design Cost:	
Design Cost:	$70,000.00
Const. Cost:	$467,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$619,300.00**

FUNDING STRATEGY

Budget / Proj. #:
71243

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014747

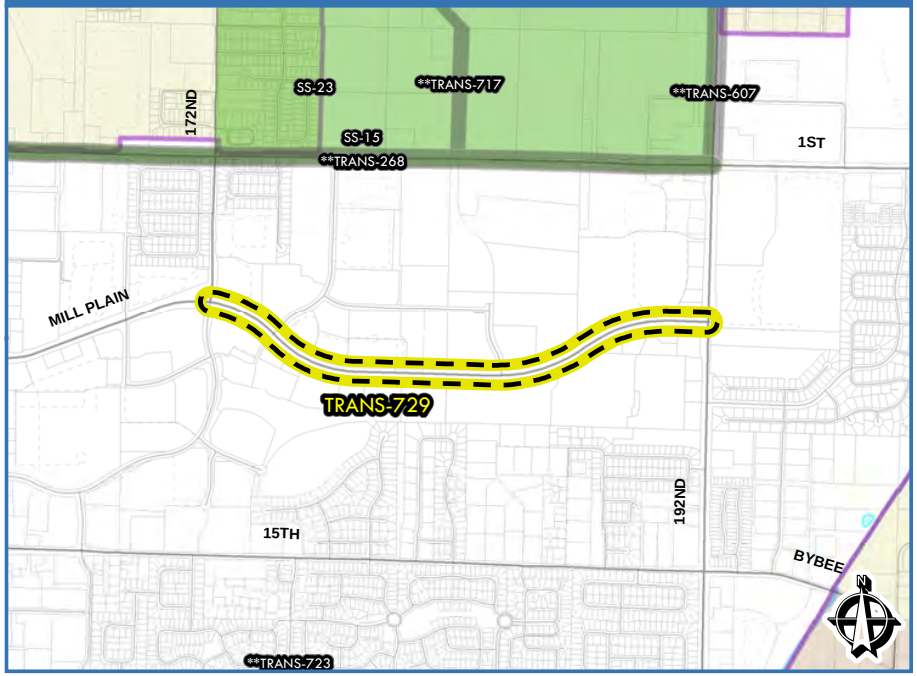
PROJECT ID: **TRANS-729**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **E MILL PLAIN BLVD - SE 172ND AVE TO SE 192ND AVE**

PROJECT EXTENT: **SE 172ND AVE** TO: **SE 192ND AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Completed

PROJECT DESCRIPTION

Project Justification / Priority

New Rdway constructed. Improvement listed in Vancouver Comprehensive Plan (2011-2030).

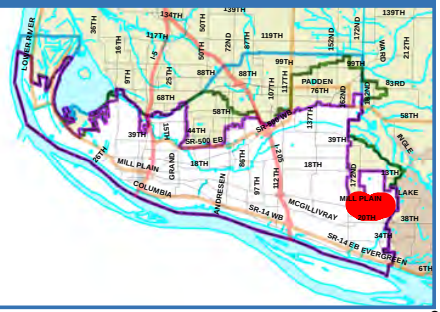
Project Description / Comments

Urban upgrade of to urban principal arterial standard. *This project funding to be reallocated to NE 18th St corridor improvements upon Congressional approval*

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014748

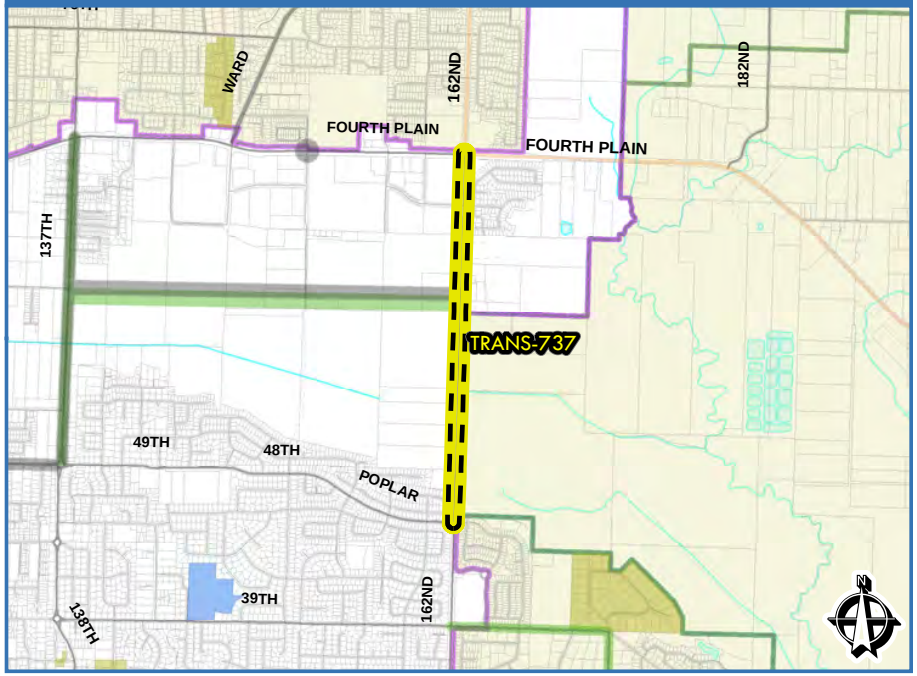
PROJECT ID: **TRANS-737**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 162ND AVE - POPLAR TO FOURTH PLAIN BLVD FIBER COMMUNICATIONS**

PROJECT EXTENT: **NE 39TH ST** TO: **E FOURTH PLAIN BLVD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	Construction

PROJECT DESCRIPTION

Project Justification / Priority

Project listed in Vancouver Comprehensive Plan (2011-2030). Identified as a regional priority in the Transportation System Management and Operations plan (RTC 2011).

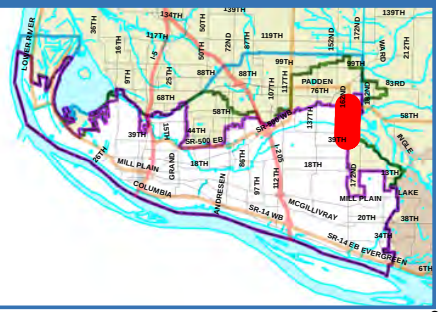
Project Description / Comments

Install traffic signal fiber optic cable for increased signal communications.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$90,000.00
Const. Cost:	$282,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$372,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014749

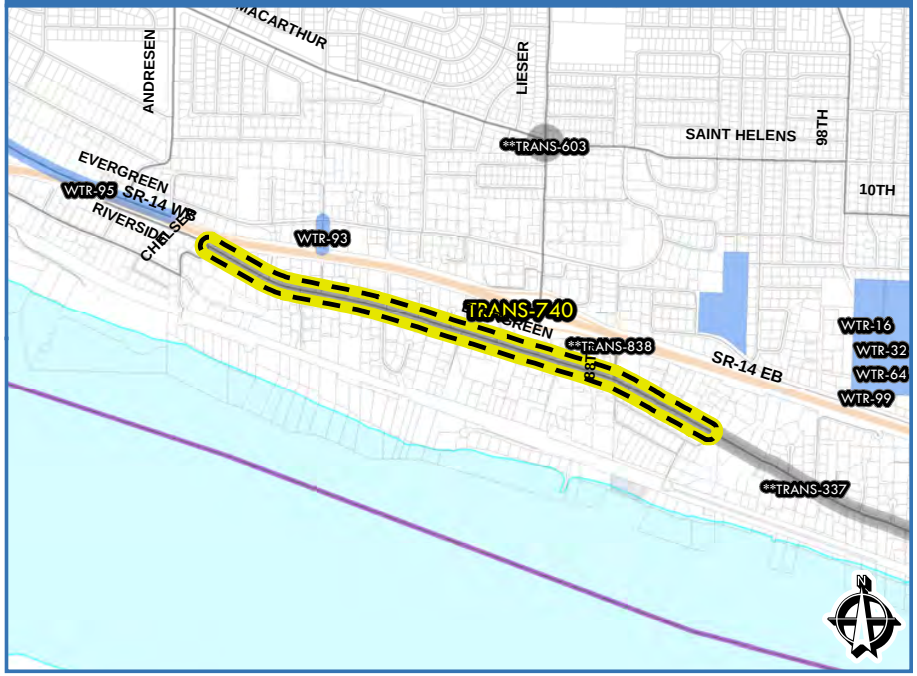
PROJECT ID: **TRANS-740**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **EVERGREEN HWY TRAIL - IMAGE RD. TO 100TH COURT**

PROJECT EXTENT: **IMAGE RD** TO: **100TH COURT**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Substandard Rdway and shoulder conditions, priority east/west pedestrian and bicycle corridor. Project listed in Vancouver Comprehensive Plan (2011-2030). Project identified in adjacent Neighborhood Action Plans.

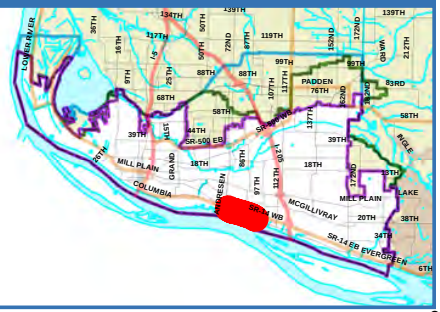
Project Description / Comments

Upgrade street with 6-10 foot pedestrian pathway on south side of Rdway. Only partially funded (Design only). No funding for ROW or construction.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$750,000.00
Pre-Design Cost:	
Design Cost:	$450,000.00
Const. Cost:	$1,500,000.00
Const. Admin. Cost:	$200,000.00
Total Proj. Cost:	**$2,900,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014750

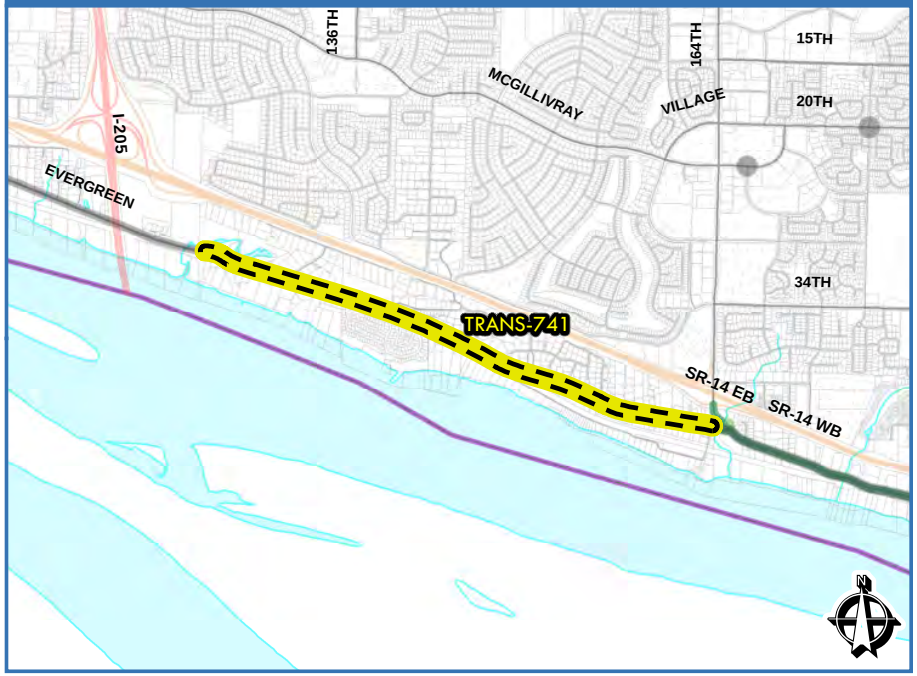
PROJECT ID: **TRANS-741**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **EVERGREEN HWY TRAIL - SILVER SPRINGS TO SE 164TH AVE**

PROJECT EXTENT: **SE SILVER SPRINGS DR** TO: **SE 164TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Substandard Rdway and shoulder conditions, priority east/west pedestrian and bicycle corridor. Project listed in Vancouver Comprehensive Plan (2011-2030). Project identified in adjacent Neighborhood Action Plans.

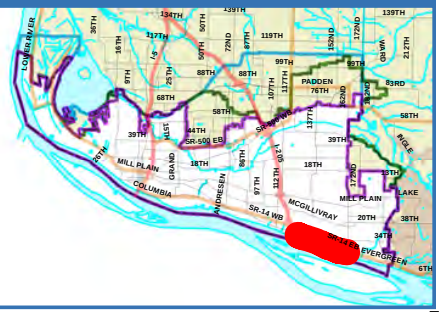
Project Description / Comments

Upgrade street with 6-10 foot pedestrian pathway on south side of Rdway.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$1,250,000.00
Pre-Design Cost:	
Design Cost:	$550,000.00
Const. Cost:	$3,000,000.00
Const. Admin. Cost:	$300,000.00
Total Proj. Cost:	**$5,100,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014751

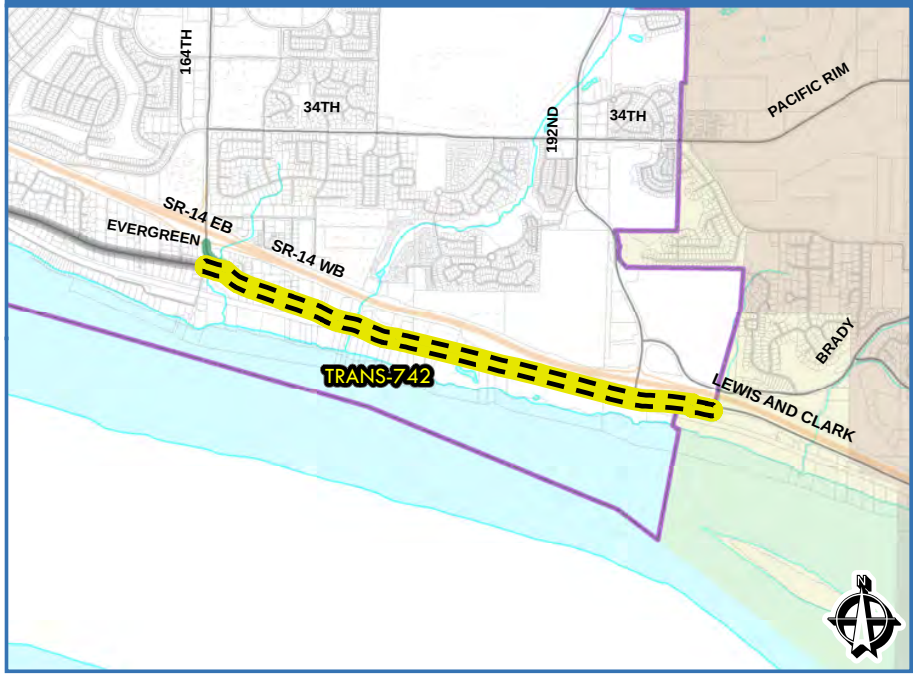
PROJECT ID: **TRANS-742**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **EVERGREEN HWY TRAIL - SE 164TH AVE TO E. CITY LIMITS**

PROJECT EXTENT: **SE 164TH AVE** TO: **EAST CITY LIMITS**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Substandard Rdway and shoulder conditions, priority east/west pedestrian and bicycle corridor. Project listed in Vancouver Comprehensive Plan (2011-2030). Project identified in adjacent Neighborhood Action Plans.

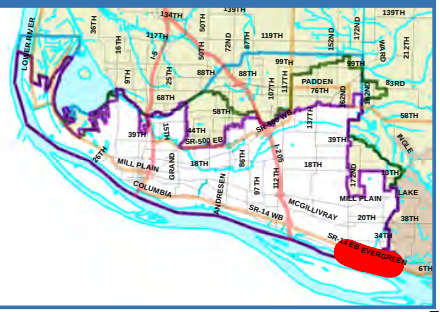
Project Description / Comments

Upgrade street with 6-10 foot pedestrian pathway on south side of Rdway.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$1,000,000.00
Pre-Design Cost:	
Design Cost:	$500,000.00
Const. Cost:	$2,500,000.00
Const. Admin. Cost:	$250,000.00
Total Proj. Cost:	**$4,750,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014752

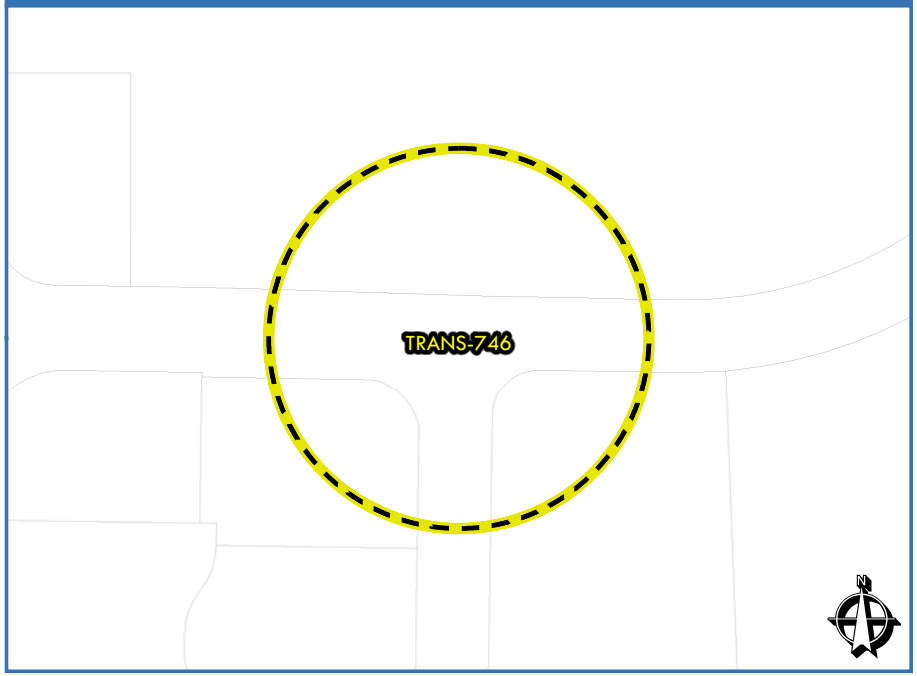
PROJECT ID: **TRANS-746**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **SE MCGILLIVRAY BLVD. @ SE 166TH AVE**

PROJECT EXTENT: **SE 164TH AVE** TO: **SE 166TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Level of service deficiency. Project listed in Vancouver Comprehensive Plan (2011-2030).

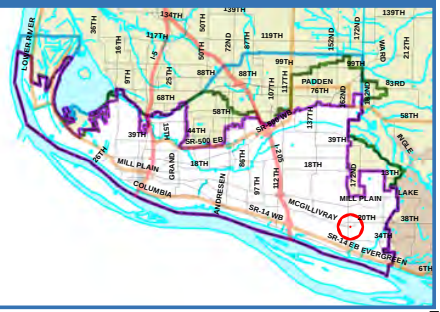
Project Description / Comments

Intersection improvement to install an urban roundabout, including upgrades and ADA ramps and Stlights. This project was combined with 071611 (164th Ave. intersection improvements project).

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	$350,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$350,000.00**

FUNDING STRATEGY

Budget / Proj. #:
071608

Budget / Proj. Task #:

***Start of Construction (Year):**
2015

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014753

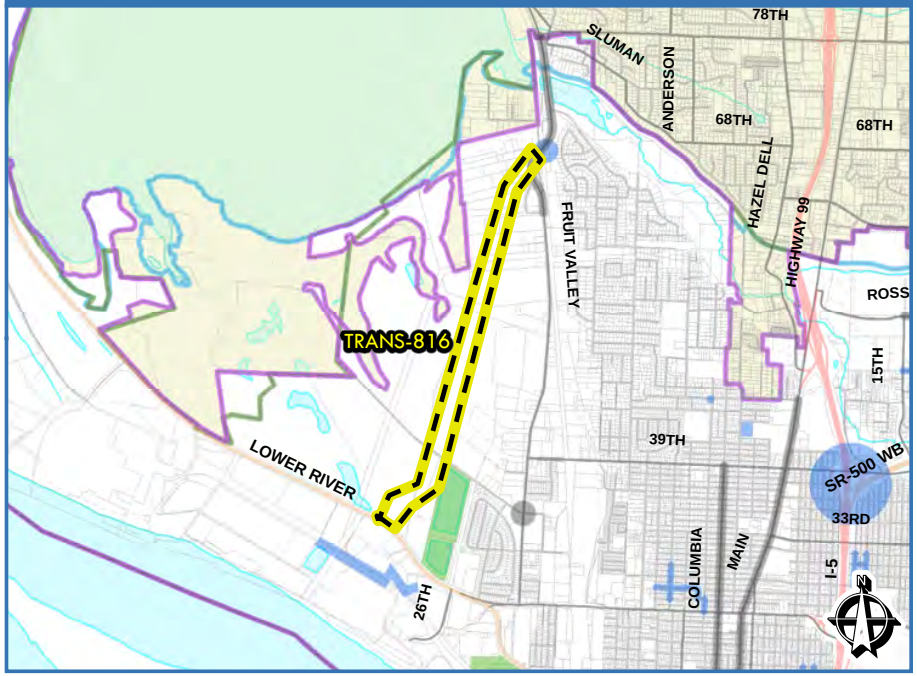
PROJECT ID: **TRANS-816**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NW 32ND AVE - SR501 TO WHITNEY**

PROJECT EXTENT: **LOWER RIVER RD** TO: **FRUIT VALLEY RD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Improve frieght mobility; reduce congestion; Improve safety

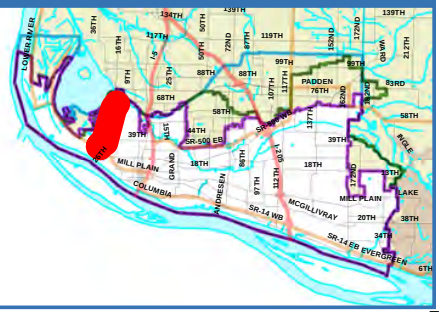
Project Description / Comments

Install new arterial roadway from SR501 to Fruit Valley Road.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014754

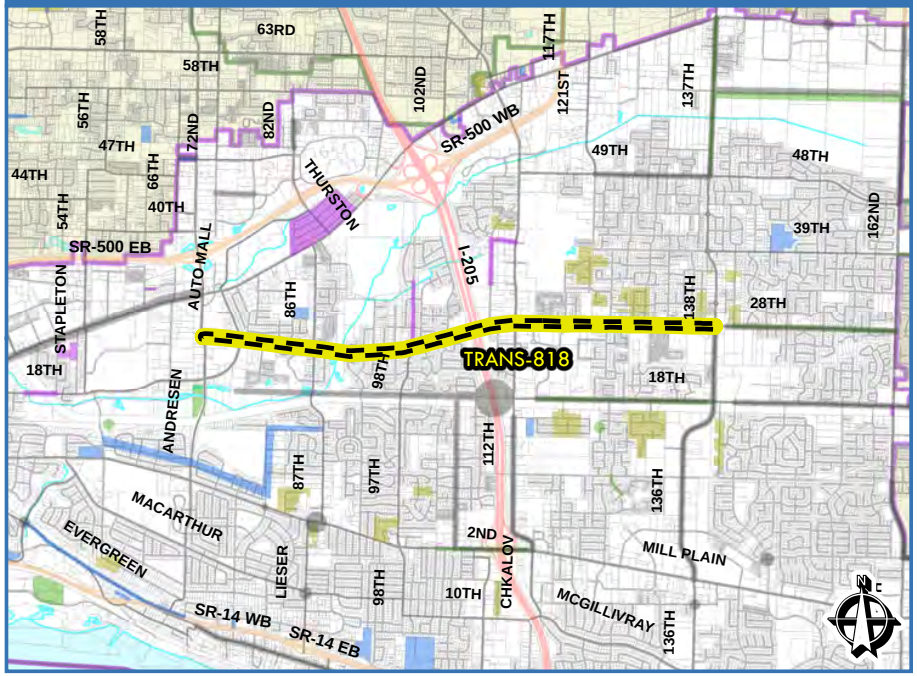
PROJECT ID: **TRANS-818**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE BURTON/28TH STREET - NE ANDRESEN RD TO NE 138TH AVE**

PROJECT EXTENT: **NE ANDRESEN RD** TO: **NE 138TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Traffic
Project Status: Pending Funding

PROJECT DESCRIPTION

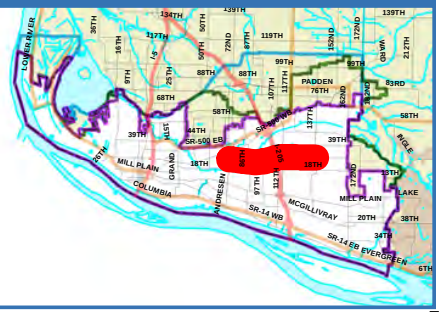
Project Justification / Priority

Project Description / Comments
Install switches at multiple signals along corridor to improve signal operations.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014755

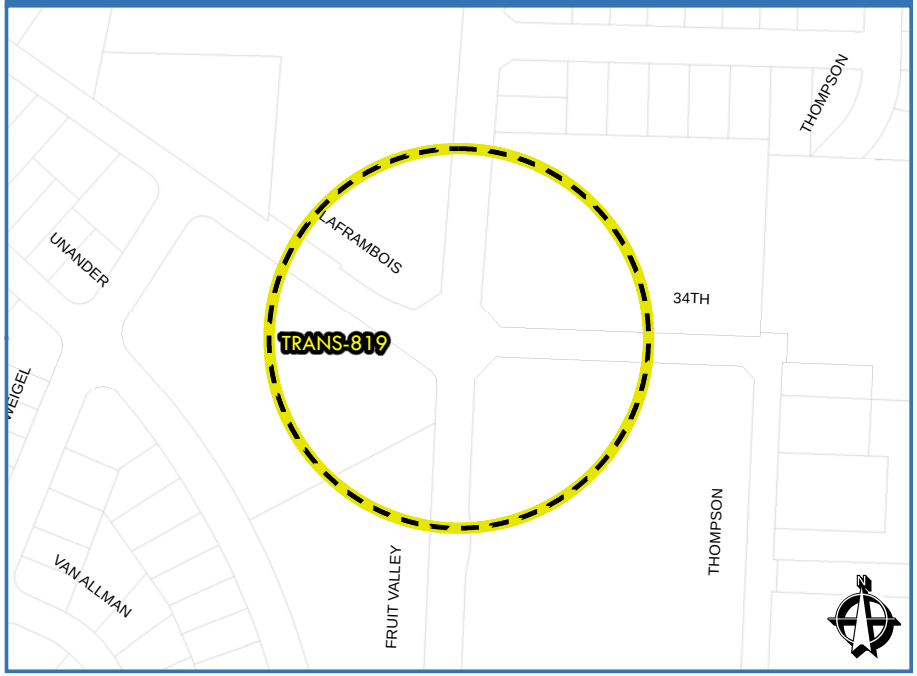
PROJECT ID: **TRANS-819**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NW FRUIT VALLEY RD @ LA FRAMBOIS**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Traffic
Project Status: Pending Funding

PROJECT DESCRIPTION

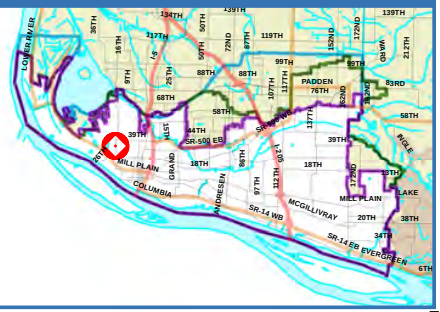
Project Justification / Priority

Project Description / Comments
Replace existing signal with Hawk pedestrian signal.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014756

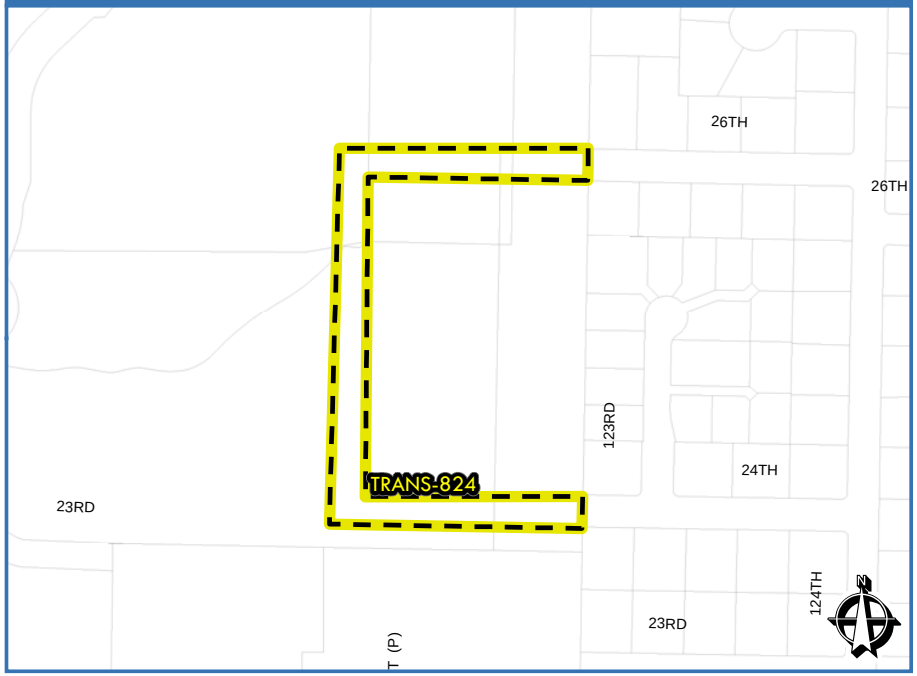
PROJECT ID: **TRANS-824**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **ENDEAVOUR ELEMENTARY PATHWAY AND SAFETY IMPROVEMENT PROGRAM**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Enhancement
Project Status: Planned

PROJECT DESCRIPTION

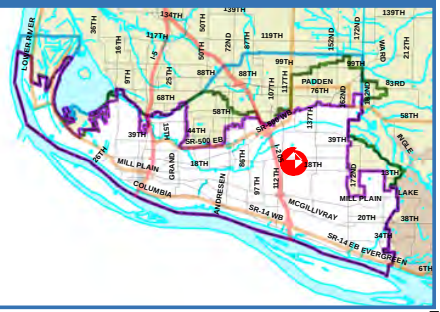
Project Justification / Priority
New pathway will allow students to safely walk and bicycle to school without having to travel along NE 28th Street.

Project Description / Comments
Construct an HMA pathway behind Endeavour Elementary that will connect to NE 26th Street and NE 24th Street.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$0.00
Pre-Design Cost:	$0.00
Design Cost:	$30,000.00
Const. Cost:	$140,000.00
Const. Admin. Cost:	$0.00
Total Proj. Cost:	**$170,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015
014757

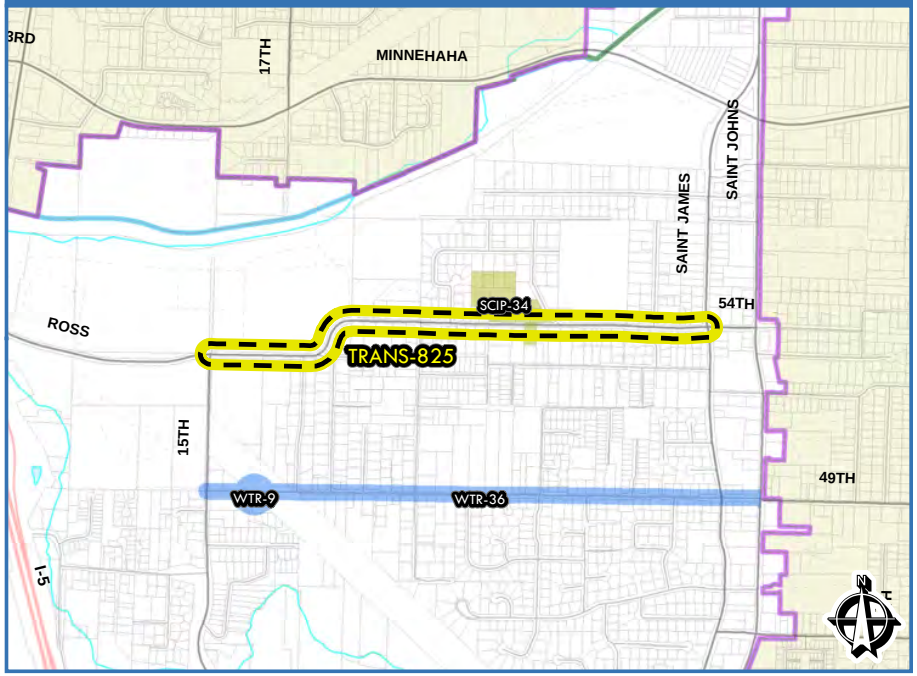
PROJECT ID: **TRANS-825**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 54TH STREET - NE 15TH AVE TO NE SAINT JAMES RD**

PROJECT EXTENT: **NE 15TH AVE** TO: **NE SAINT JAMES RD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

Upgrade of substandard urban arterial with level of service and safety deficiencies (especially at the intersection of 54th and Drexel). Project identified in Vancouver Comprehensive Plan (2011-2030).

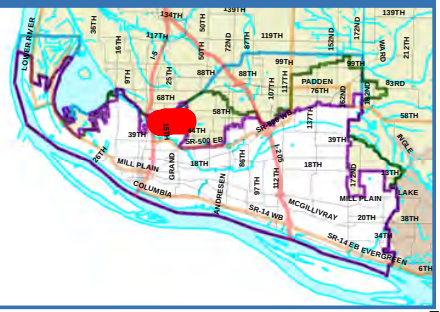
Project Description / Comments

Urban upgrade of existing 2 lane Roadway to a 3 arterial standard (one lane each direction plus turn lane). Street upgrades include city standard sidewalks, bike lanes, Street lights, and ADA ramps.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014758

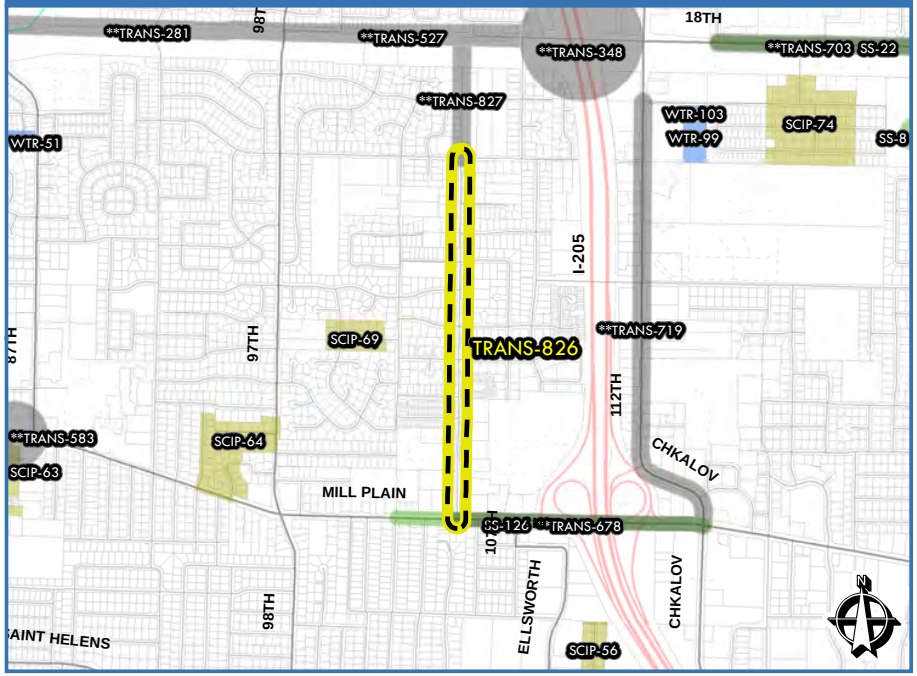
PROJECT ID: **TRANS-826**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 104TH AVENUE - SE MILL PLAIN BLVD TO NE 14TH STREET**

PROJECT EXTENT: **SE MILL PLAIN BLVD** TO: **NE 14TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

Upgrade of substandard urban arterial with level of service and safety deficiencies. Project identified in Vancouver Comprehensive Plan (2011-2030).

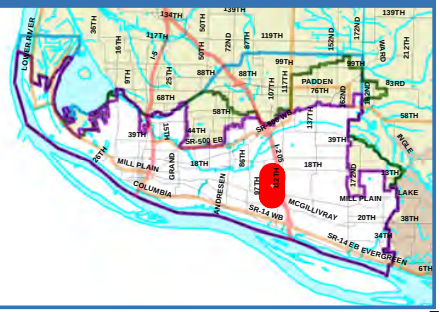
Project Description / Comments

Urban upgrade of existing 2 lane Roadway to a 3 arterial standard (one lane each direction plus turn lane). Street upgrades include city standard sidewalks, bike lanes, Street lights, and ADA ramps.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014759

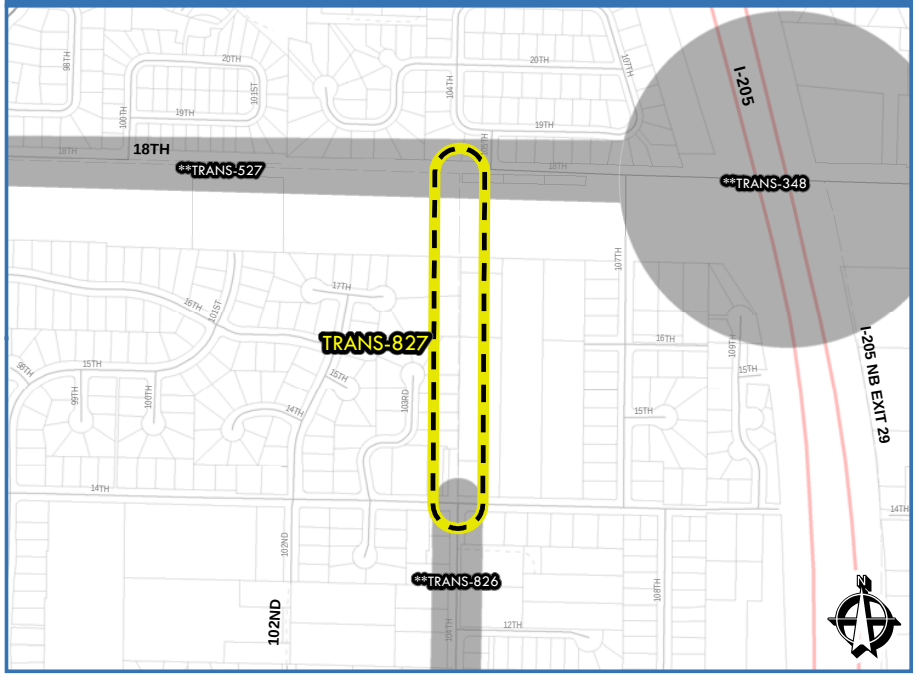
PROJECT ID: **TRANS-827**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 104TH AVENUE - NE 14TH STREET TO NE 18TH STREET**

PROJECT EXTENT: **NE 14TH ST** TO: **NE 18TH ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

New urban arterial will address level of service and accessibility issues. Project identified in Vancouver Comprehensive Plan (2011-2030).

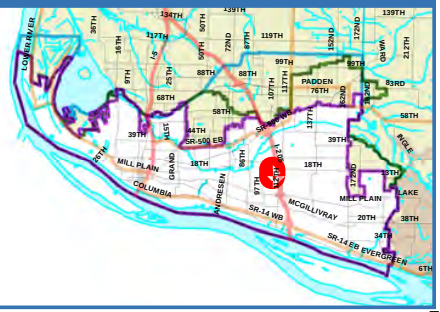
Project Description / Comments

Install new 3 arterial standard (one lane each direction plus turn lane). Street improvements include city standard sidewalks, bike lanes, Street lights, and ADA ramps.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014760

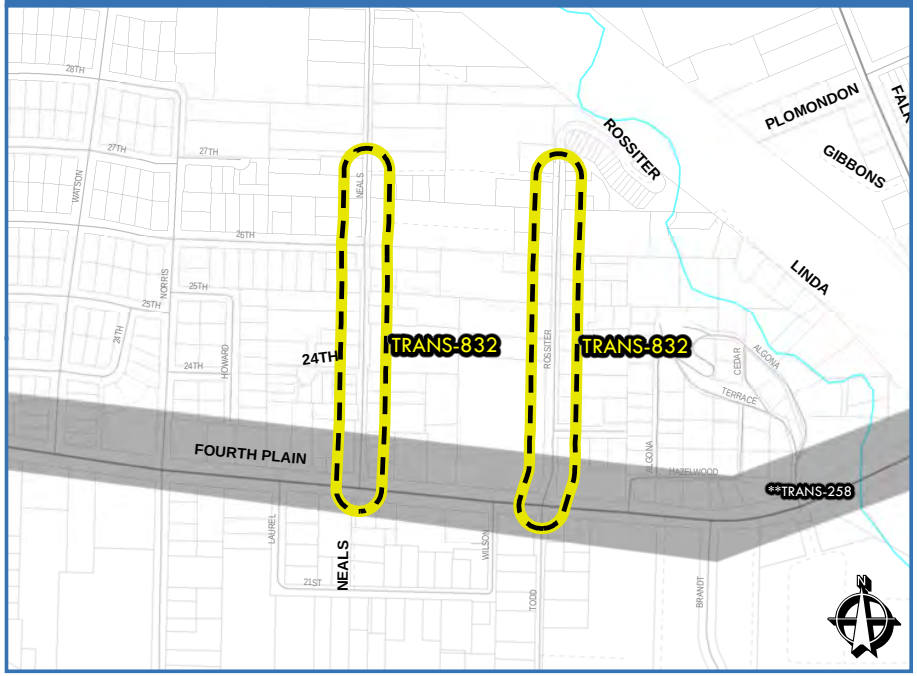
PROJECT ID: **TRANS-832**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **FOURTH PLAIN INFILL SIDEWALK**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Improve pedestrian access and safety along Neals Ln and Rossiter Ln. Will provide pedestrian access to Fourth Plain Boulevard which is a high transit use corridor.

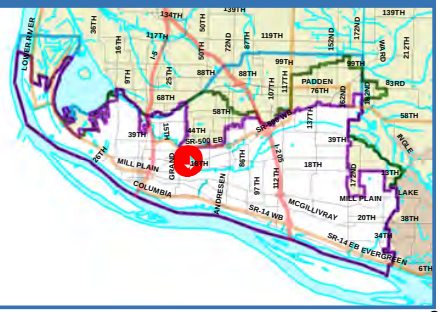
Project Description / Comments

Sidewalk and ADA improvements along Neals Ln and Rossiter Ln from Fourth Plain to NE 26th St.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$463,000.00
Pre-Design Cost:	$0.00
Design Cost:	$140,000.00
Const. Cost:	$439,000.00
Const. Admin. Cost:	$0.00
Total Proj. Cost:	**$1,042,000.00**

FUNDING STRATEGY

Budget / Proj. #:
71450

Budget / Proj. Task #:

***Start of Construction (Year):**
2015

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014761

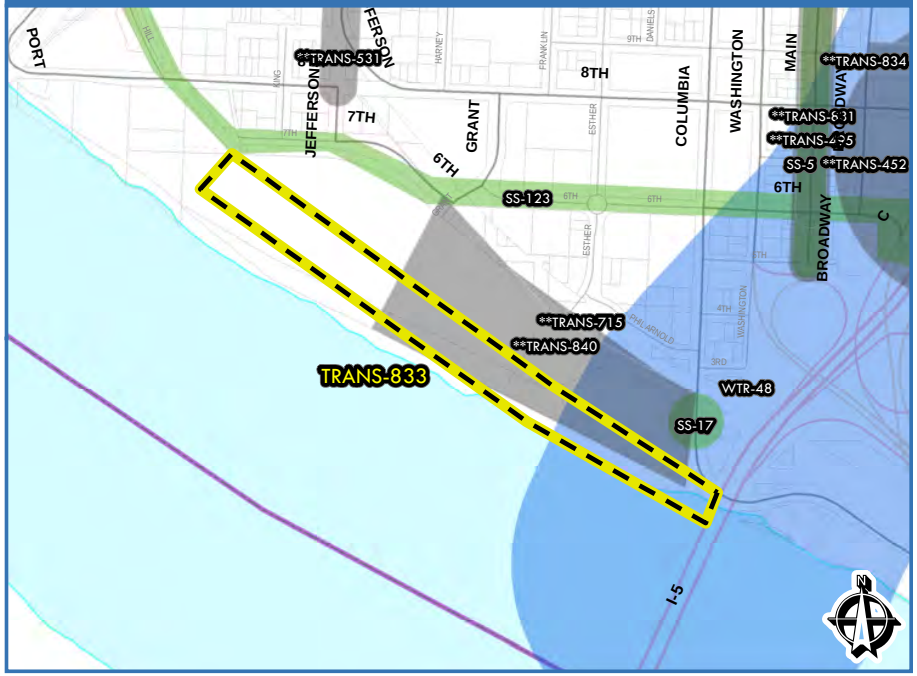
PROJECT ID: **TRANS-833**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **VANCOUVER WATERFRONT TRAIL**

PROJECT EXTENT: **LINCOLN ST** TO: **COLUMBIA ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Improve pedestrian access and safety along the Vancouver Waterfront. Improve aesthetics and promote livability along the Vancouver Waterfront

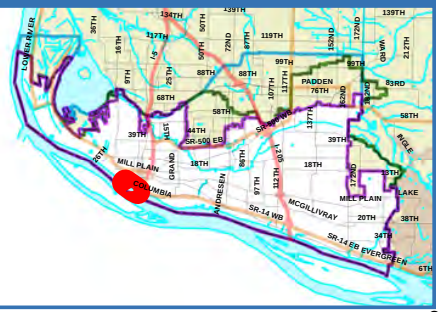
Project Description / Comments

Major trail and aesthetic improvements along the Vancouver Waterfront from approximately Lincoln St to Columbia St. Vancouver Park Department is taking the lead on this project.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$0.00
Pre-Design Cost:	$0.00
Design Cost:	$0.00
Const. Cost:	$0.00
Const. Admin. Cost:	$0.00
Total Proj. Cost:	**$15,000,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2015

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014762

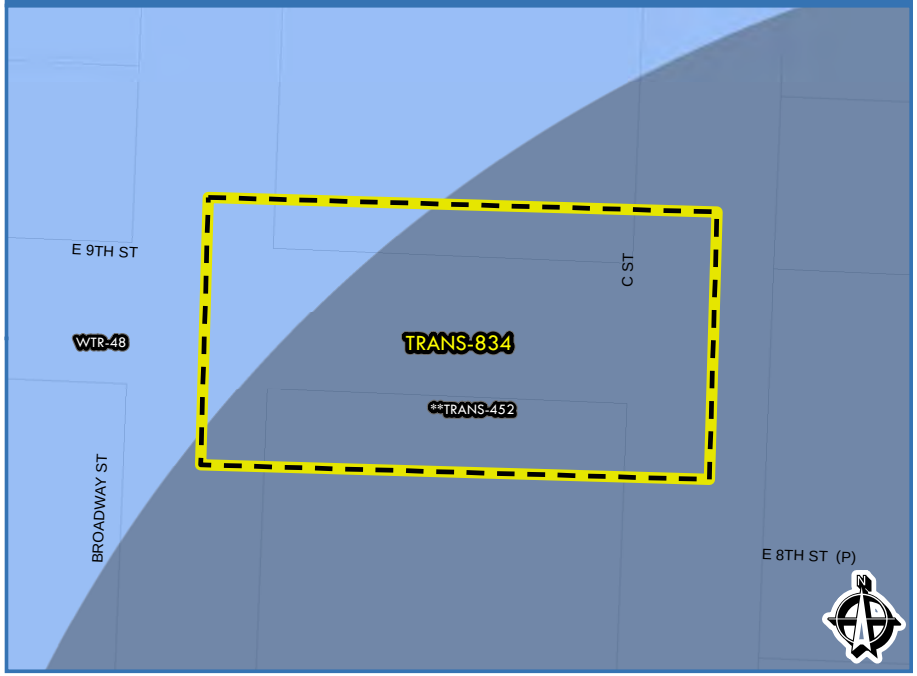
PROJECT ID: **TRANS-834**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NE 9TH ST - BROADWAY TO C ST**

PROJECT EXTENT: **BROADWAY ST** TO: **C ST**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Capacity
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

Project will improve circulation, access, and connectivity in downtown Vancouver.

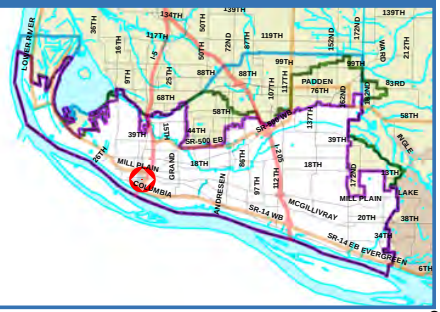
Project Description / Comments

Extend 9th street from Broadway to C Street. Improvements will include travel lanes, sidewalk, ADA ramps, street lights, and other amenities similar to the existing 9th Street to the west.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$0.00
Pre-Design Cost:	$0.00
Design Cost:	$0.00
Const. Cost:	$0.00
Const. Admin. Cost:	$0.00
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014763

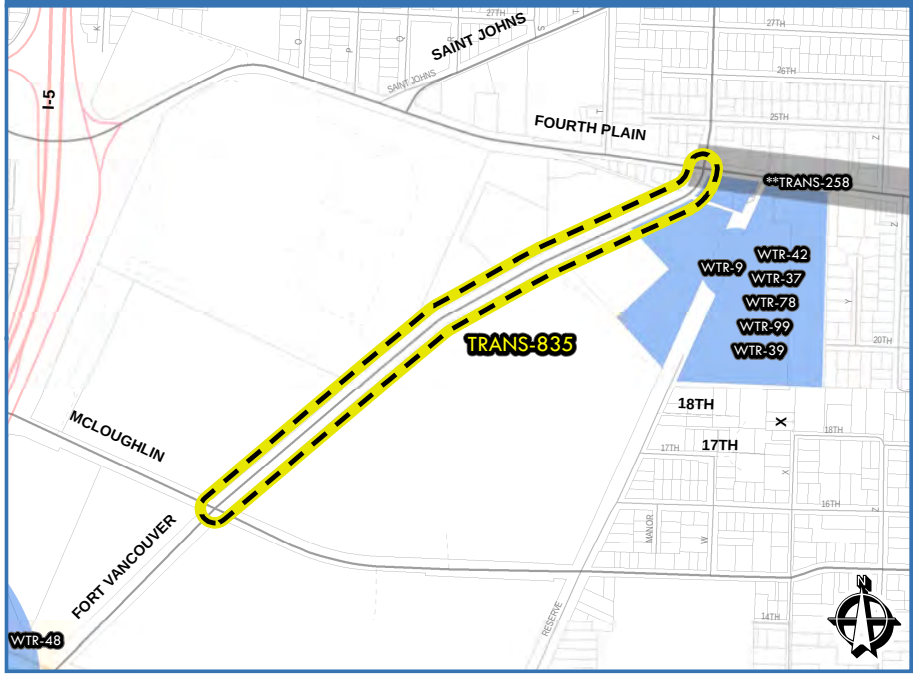
PROJECT ID: **TRANS-835**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **CENTRAL PARK SUBAREA IMPROVEMENTS - MCLOUGHLIN AND FORT VANCOUVER WAY**

PROJECT EXTENT: **E MCLOUGHLIN BLVD** TO: **E FOURTH PLAIN BLVD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Enhancement
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

Project will improve pedestrian and bicycle access and safety as well as provide aesthetic improvements along streets within and around the adopted Central Park subarea plan.

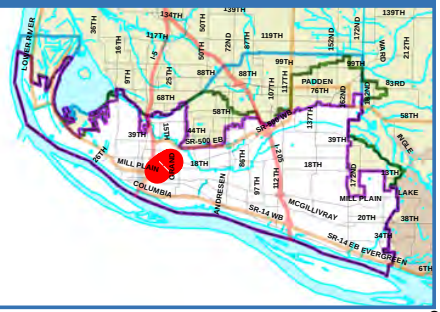
Project Description / Comments

Pedestrian, bicycle, and aesthetic improvements along multiple streets within and around the Central Park Subarea boundaries.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$0.00
Pre-Design Cost:	$0.00
Design Cost:	$0.00
Const. Cost:	$0.00
Const. Admin. Cost:	$0.00
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014764

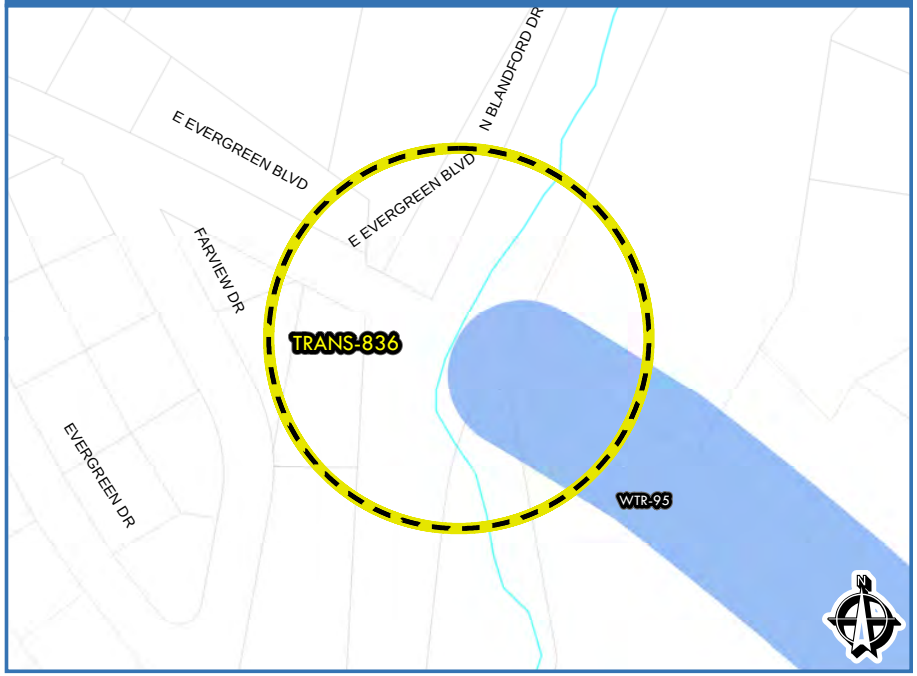
PROJECT ID: **TRANS-836**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **EVERGREEN BLVD BRIDGE AT BLANDFORD**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Safety
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

Existing bridge is nearing the end of its useful life and bridge inspection reports indicate that the bridge should be planned for replacement in the near future.

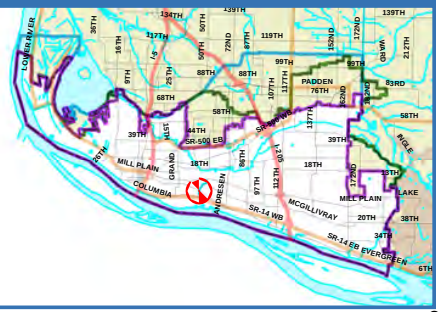
Project Description / Comments

Replace existing bridge along Evergreen Blvd. over Blandford with new structure.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014765

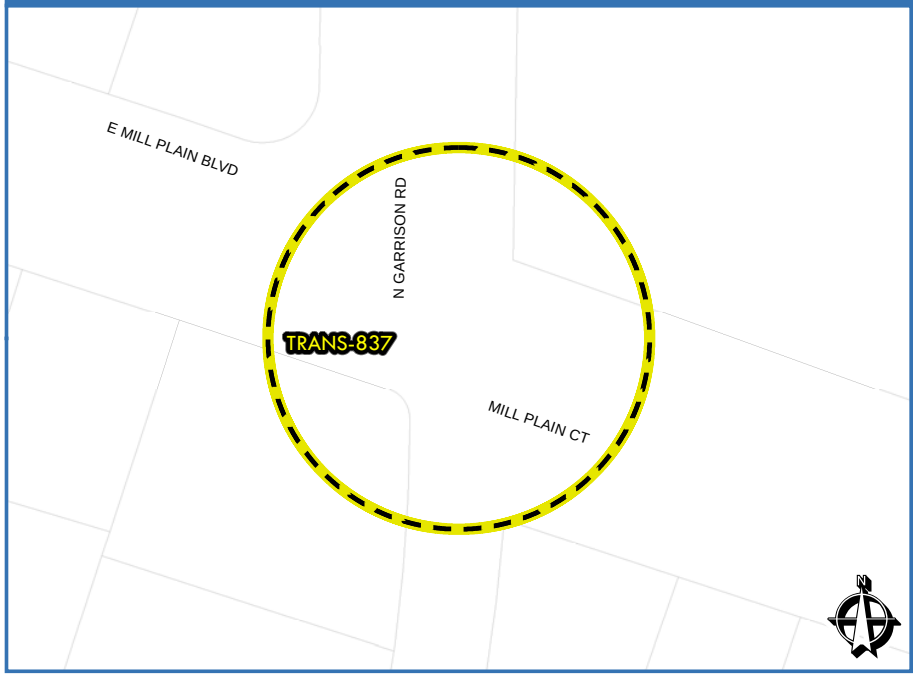
PROJECT ID: **TRANS-837**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **E MILL PLAIN @ GARRISON SIGNAL IMPROVEMENT**

PROJECT EXTENT: **MILL PLAIN** TO: **GARRISON**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

Existing span wire signal has wood poles that are in jeopardy of failing. Most components of the signal are old and are in need of upgrading to current standards.

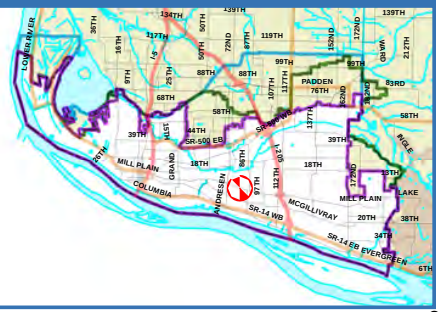
Project Description / Comments

Upgrade existing span wire signal. Upgrade all components of the signal to current standards including cabinet, poles, conduit, junction boxes, detection, ADA ramsp, mast arms, and lights.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$37,000.00
Const. Cost:	$350,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$387,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2015

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014766

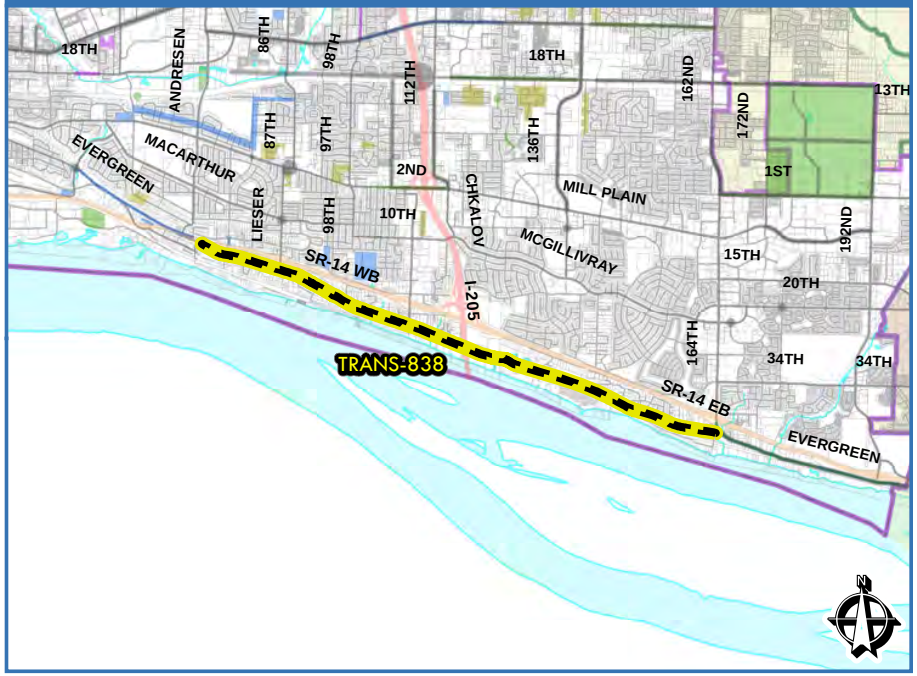
PROJECT ID: **TRANS-838**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **E EVERGREEN HIGHWAY RECONSTRUCTION PROJECT**

PROJECT EXTENT: **CHELSEA** TO: **164TH AVE**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Reconstruction
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

The existing highway consists of two substandard 10-foot travel lanes with intermittent shoulders of varying width and intermittent pedestrian access. The roadway is well beyond its functional life.

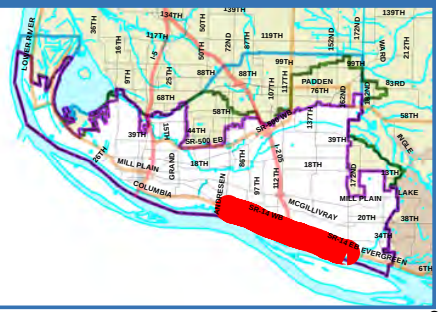
Project Description / Comments

This project includes developing a customized roadway cross section for this section of highway and then reconstructing the roadway to that standard. In addition, the project includes the reconfiguration of the intersection of 164th Avenue and Evergreen Highway. Cost estimates to be determined following development and adoption of the roadway cross section.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014767

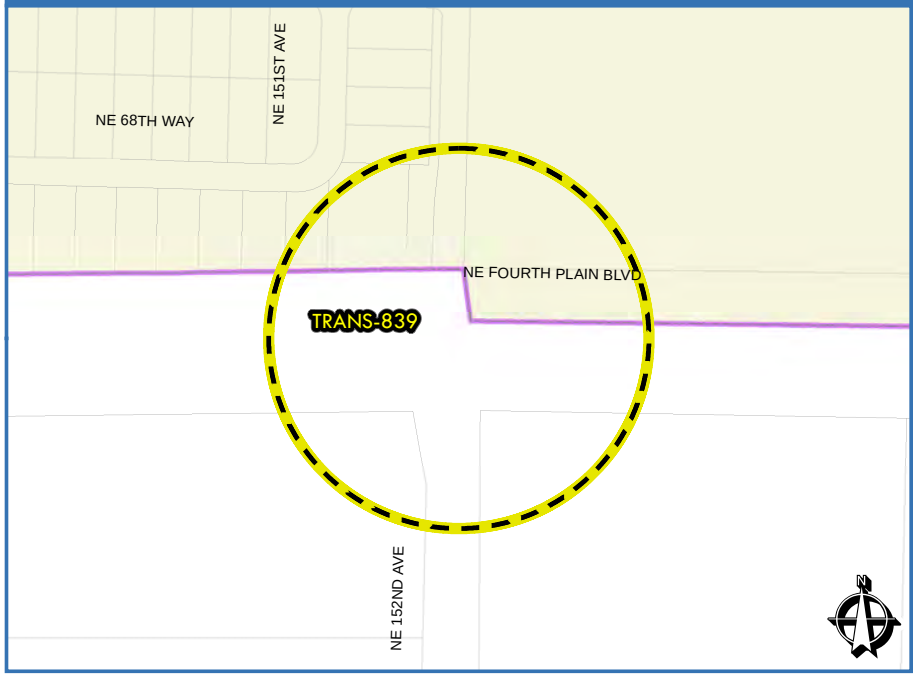
PROJECT ID: **TRANS-839**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **152ND AVENUE & 4TH PLAIN SIGNAL**

PROJECT EXTENT: **152ND AVENUE** TO: **4TH PLAIN BOULEVARD**

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Intersection is anticipated to have a below standard LOS in the near future due to growth

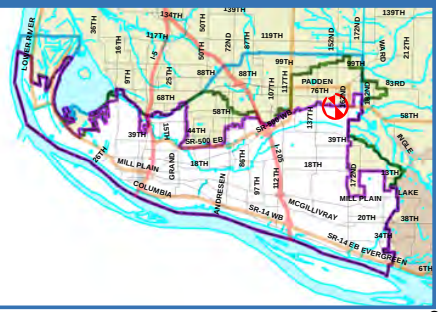
Project Description / Comments

Install new signal to accommodate future growth

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$500,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014768

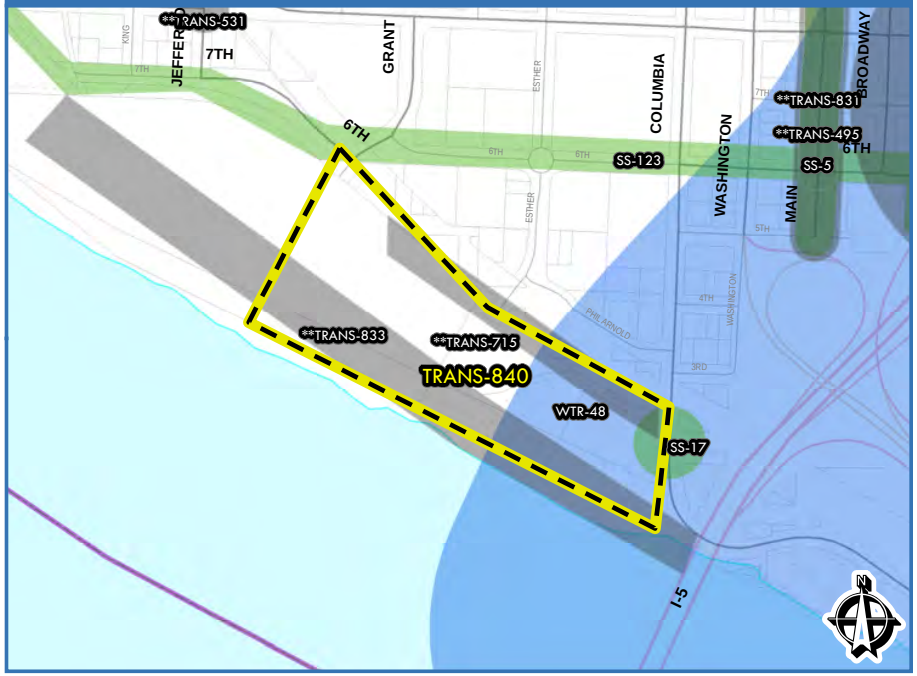
PROJECT ID: **TRANS-840**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **WATERFRONT LOCAL IMPROVEMENT DISTRICT STREET IMPROVEMENTS**

PROJECT EXTENT: **WATERFRONT REDEVELOPMENT AREA** TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Capacity
Project Status: Pending Funding

PROJECT DESCRIPTION

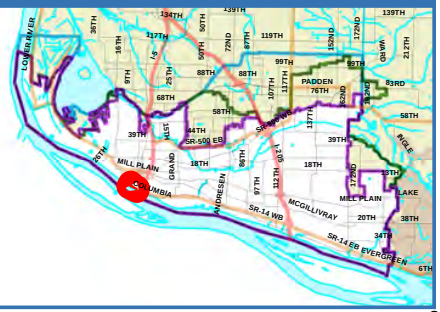
Project Justification / Priority
Economic Development

Project Description / Comments
Construct several streets within the Waterfront redevelopment as part of a Local Improvement District (LID)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2016

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014769

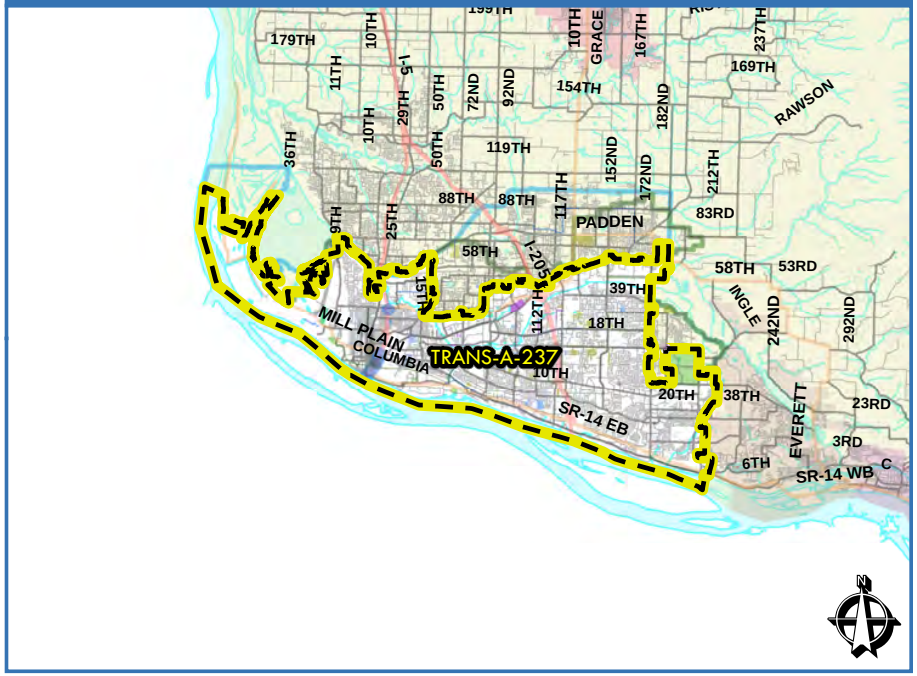
PROJECT ID: **TRANS-A-237**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **TRAFFIC SIGNAL SUSTAINABILITY**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

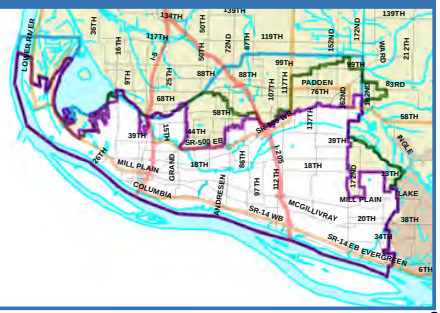
Project Justification / Priority
Projects identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Ongoing updating of traffic signals at various locations and may include but not be limited to adding a left turn phase, adding a signal head, adding a push-button, removing an operation, adding detectors, changing the detector setup, or other similar improvements. (Budgeted $150,000 annually.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015
014770

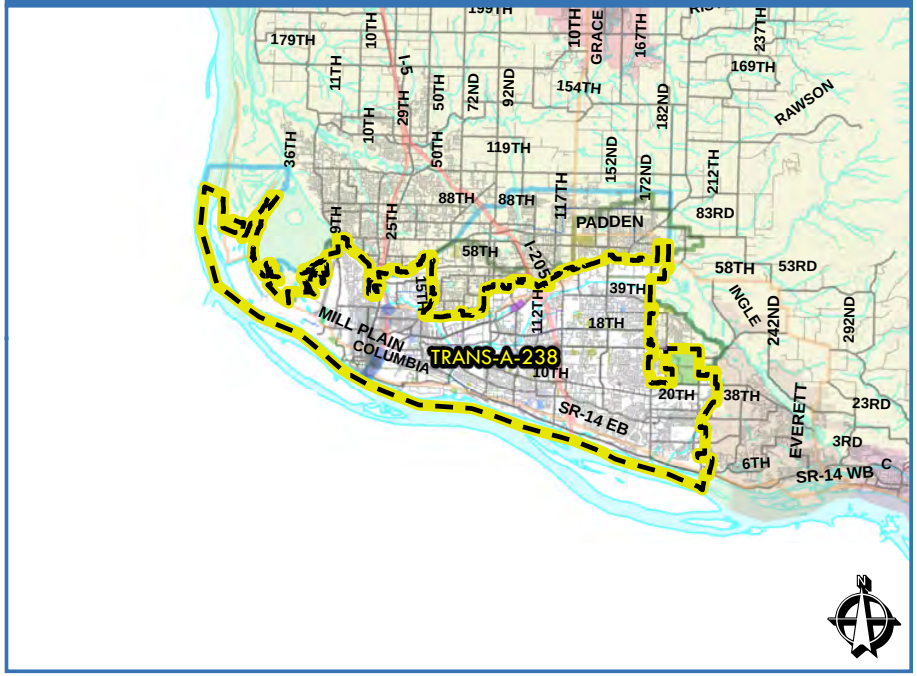
PROJECT ID: **TRANS-A-238**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **DISABLED ACCESS (ADA)**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Ongoing
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Projects identified in the Vancouver ADA Transition Plan.

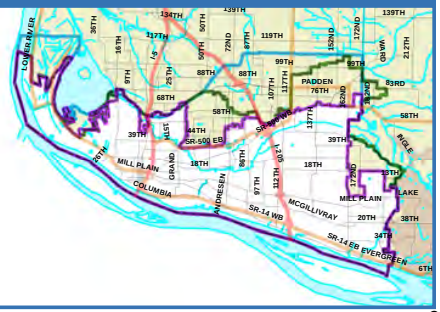
Project Description / Comments

Miscellaneous ADA ramp upgrades at various locations citywide. Ramp locations prioritized in the City ADA Transition Plan (No annual budget). Please note: ADA improvements are constructed every year by the City's pavement management program, CDBG program, and with all arterial improvements.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014771

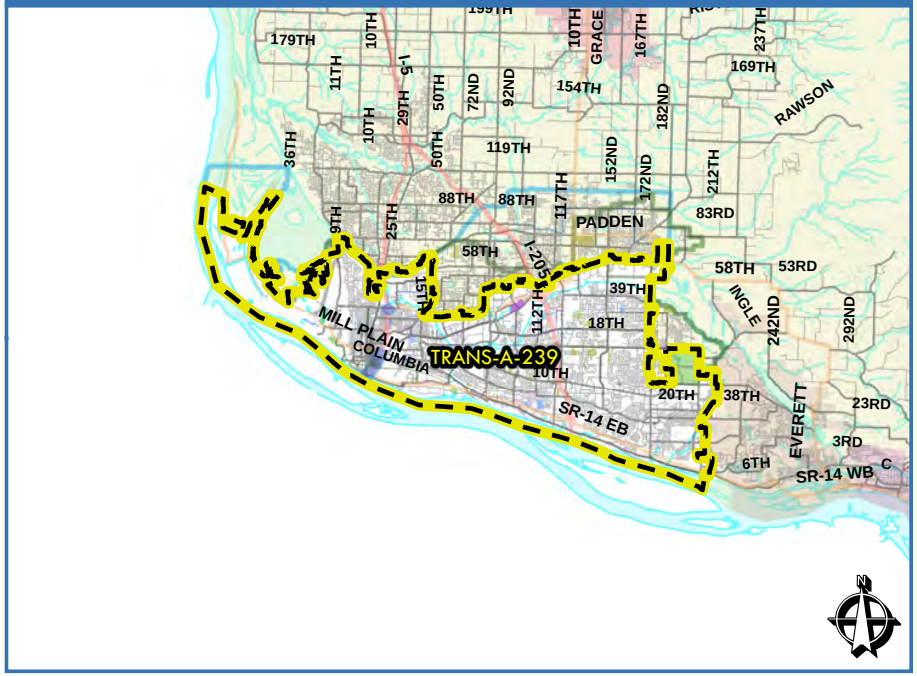
PROJECT ID: **TRANS-A-239**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **SCHOOL CROSSING PROTECTION**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Ongoing
Project Status:	Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

Program listed in the Vancouver Comprehensive Plan (2011-2030).

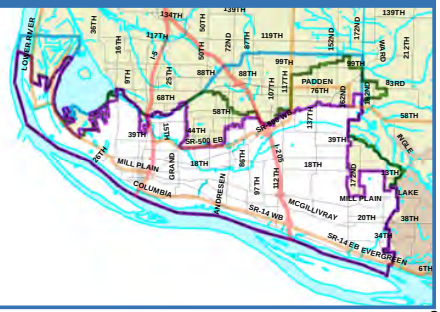
Project Description / Comments

New and replacement pedestrian school zone beacons including enhancements to signs and marking at various locations citywide. (No annual budget.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014772

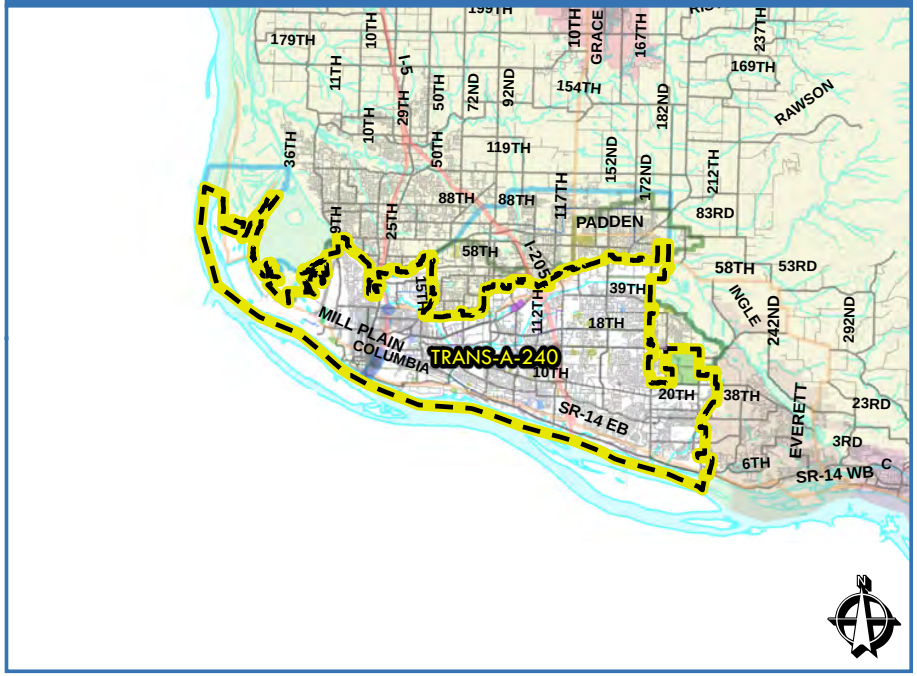
PROJECT ID: **TRANS-A-240**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **NEIGHBORHOOD TRAFFIC MANAGEMENT**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status:

PROJECT DESCRIPTION

Project Justification / Priority

The Neighborhood Traffic Control Program is important to reaching our Community Vision of "... Safe neighborhoods with a distinct quality and proud identities linked by parks and greenspace as well as a transportation system that provides mobility options for all." The project is consistent with the City's Strategic Commitments of Creating Identity as One City and Quality Growth and Development through projects in support of neighborhoods.

Speeding on residential Sts is one of the most frequent complaint from citizens and neighborhood

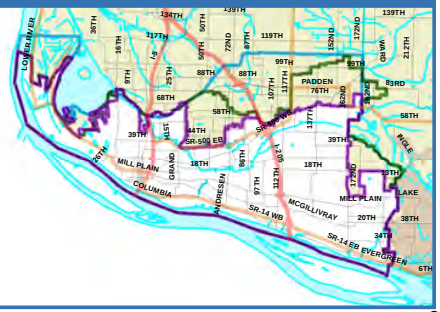
Project Description / Comments

This ongoing project (Neighborhood Traffic Management Program) funds installation of traffic calming (speed controls) and traffic management measures (traffic volume controls). It includes educational approaches that address the same issues by heightened awareness of the impacts of speeding traffic (for example Neighborhood Speed Watch). The project also address other traffic safety issues such as pedestrian/bicycle safety, sight restrictions and parking problems. ($120k annual budget.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014773

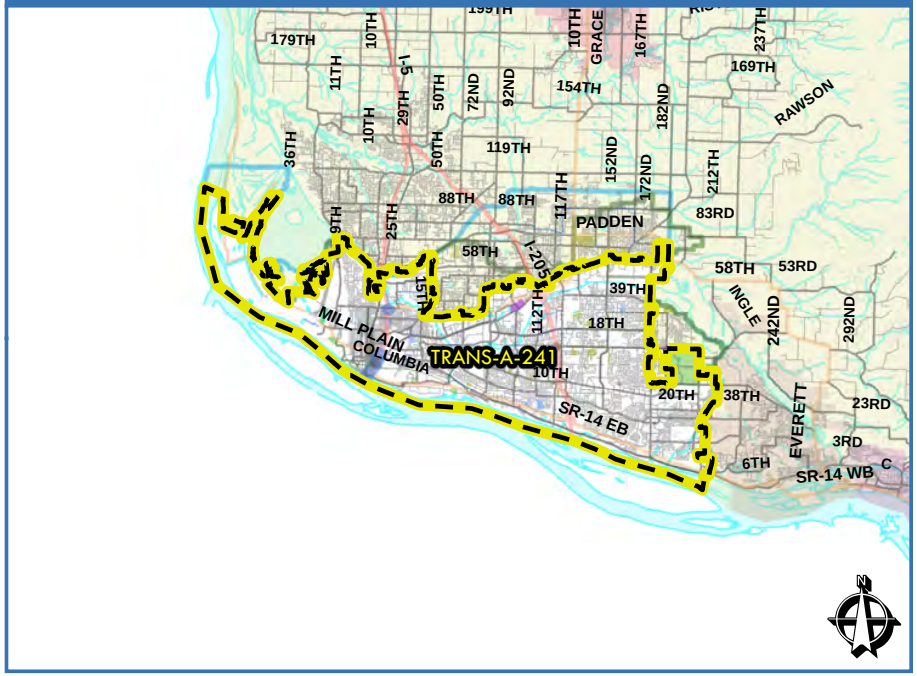
PROJECT ID: **TRANS-A-241**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **PAVEMENT PRESERVATION PROGRAM**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

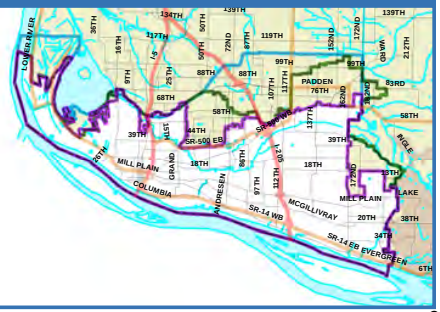
Project Justification / Priority
Program identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Upgrade pavement surfaces by surface overlay and slurry treatments at multiple locations citywide. Upgrades may include updating ADA ramps, traffic striping and markings. (Budgeted $6.1 Million in 2014 and inflationary increases after.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015
014774

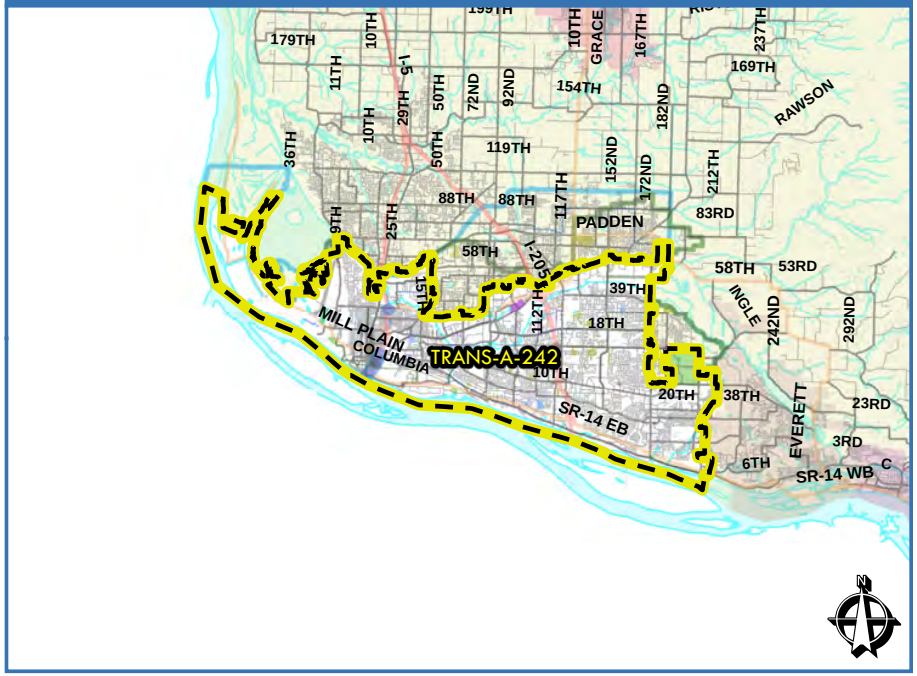
PROJECT ID: **TRANS-A-242**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **BIKEWAYS**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

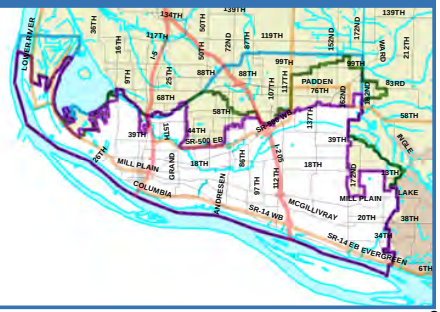
Project Justification / Priority
Program identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Installation of bike lane and bike Blvd projects on existing St at various locations citywide. (No annual budget.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014775

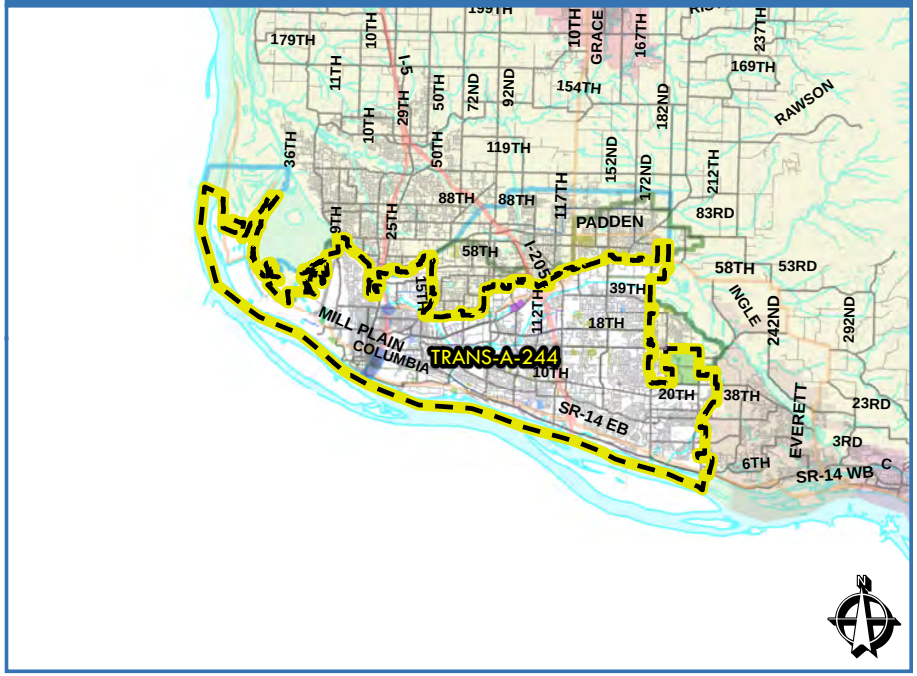
PROJECT ID: **TRANS-A-244**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **SAFE WALKWAYS**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

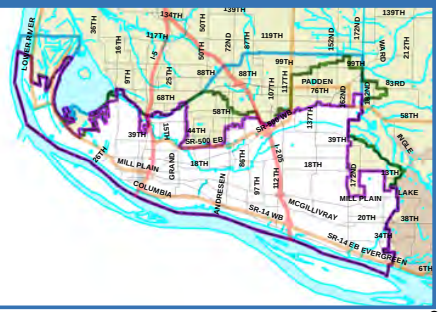
Project Justification / Priority
Program identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Installation of new sidewalks on existing Sts at various locations citywide. (No annual budget.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014776

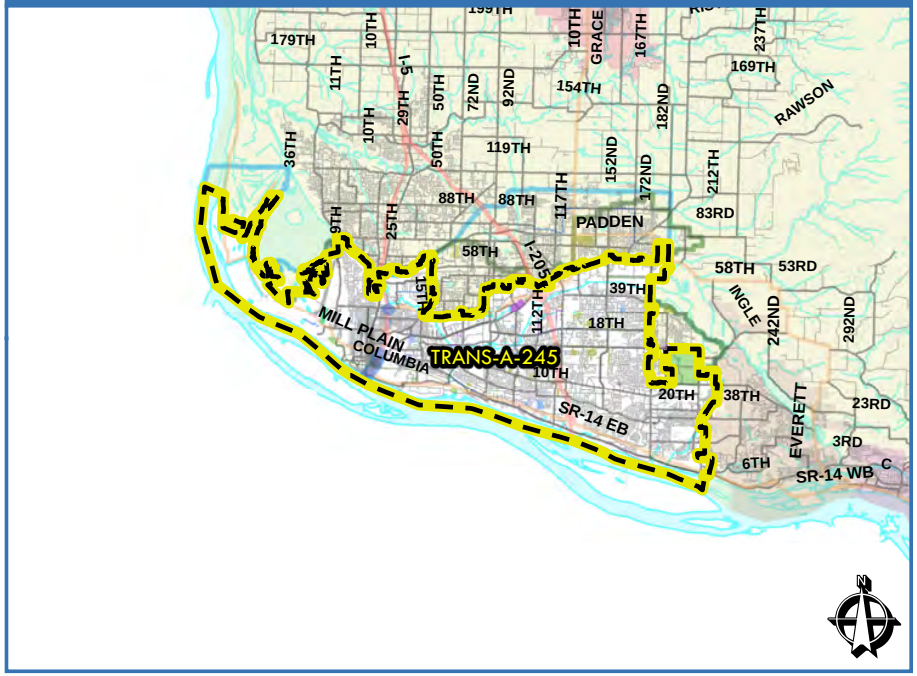
PROJECT ID: **TRANS-A-245**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **BRIDGE MANAGEMENT PROGRAM**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

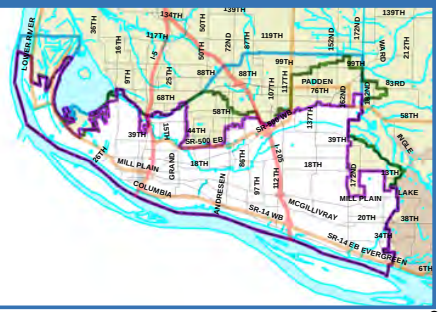
Project Justification / Priority
Maintain safe bridges in compliance with state and federal regulations. Program identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Ongoing citywide inspection and maintenance of the city's bridges. (Budgeted $10,000 annually.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015
014777

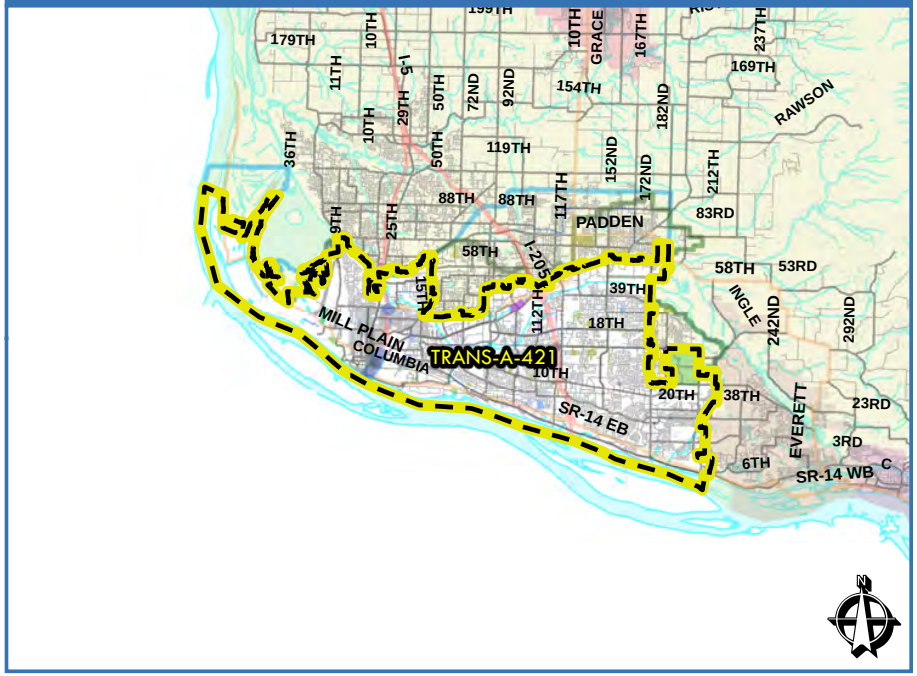
PROJECT ID: **TRANS-A-421**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **PAVEMENT RECONSTRUCTION PROGRAM**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

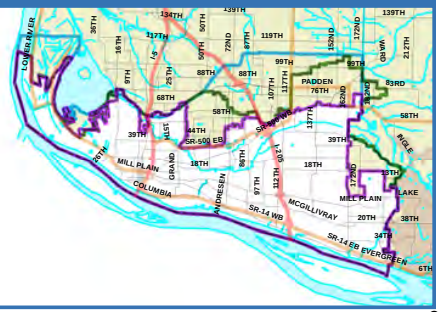
Project Justification / Priority
Program identified in the Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Major pavement and Rdway reconstruction of failed pavement surfaces on existing Sts at various locations citywide. (No annual budget.)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$0.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014778

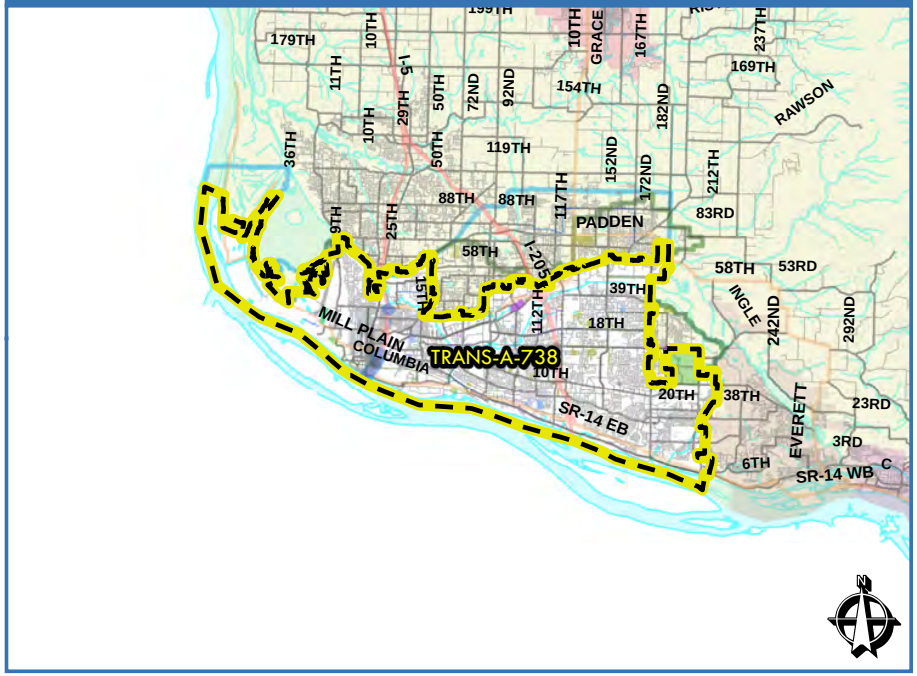
PROJECT ID: **TRANS-A-738**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **TRAFFIC SAFETY & LIVABILITY - CITYWIDE**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Ongoing
Project Status: Pending Funding

PROJECT DESCRIPTION

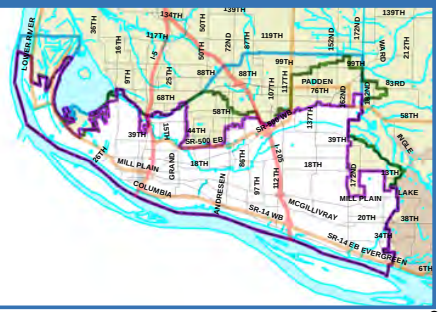
Project Justification / Priority
Program listed in Vancouver Comprehensive Plan (2011-2030).

Project Description / Comments
Install upgrades to traffic signal hardware, markings and signs to enhance traffic safety and multiple locations citywide. ($125,000 annual budget for 2013/2014 includes $60k each year for Neighborhood Traffic Management Program).

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:
Pre-Design Cost:
Design Cost:
Const. Cost:
Const. Admin. Cost:

Total Proj. Cost:

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
ONGOING

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.
**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014779

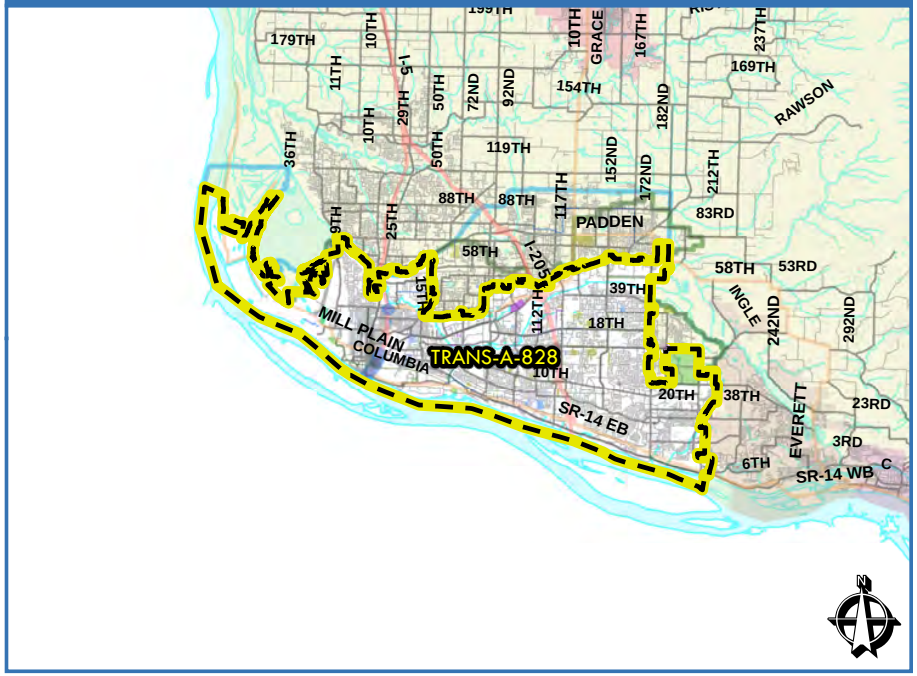
PROJECT ID: **TRANS-A-828**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **FLASHING YELLOW ARROW UPGRADE PROJECT**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	Traffic
Project Status:	In Design

PROJECT DESCRIPTION

Project Justification / Priority

The City of Vancouver currently has 35 intersections with PPLT phasing which has long been considered confusing to motorists attempting to make left turns resulting in serious collisions with through traffic in the opposite direction. The NCHRP report Evaluation of the Flashing Yellow Arrow Permissive-Only Left-Turn Indication Field Implementation cites a significant reduction in collisions associated with conversion of PPLT to FYA.

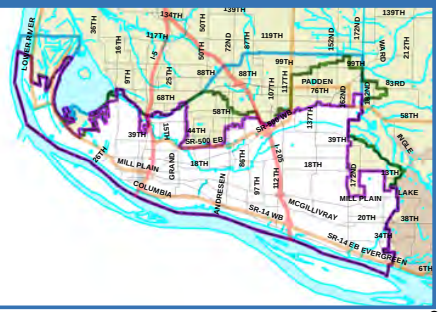
Project Description / Comments

Upgrade 35 signalized intersections across the City from permitted/protected left-turn operation to flashing yellow arrow left turn operation.

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	$0.00
Pre-Design Cost:	$0.00
Design Cost:	$75,000.00
Const. Cost:	$375,000.00
Const. Admin. Cost:	$0.00
Total Proj. Cost:	**$450,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014780

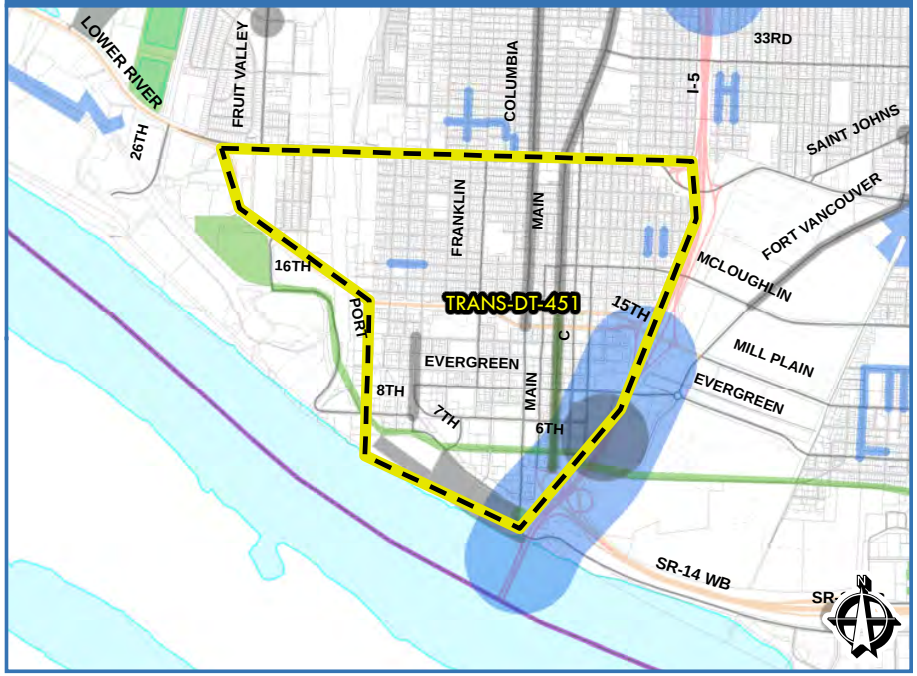
PROJECT ID: **TRANS-DT-451**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **DESTINATION DOWNTOWN TDM**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type:	Transportation
Project Type:	TDM
Project Status:	Planned

PROJECT DESCRIPTION

Project Justification / Priority

Program identified as priority implementation strategy for Vancouver City Center Vision plan (2007). Program adopted into the City of Vancouver Commute Trip Reduction Plan and Growth and Transportation Efficiency Center Plan (2008).

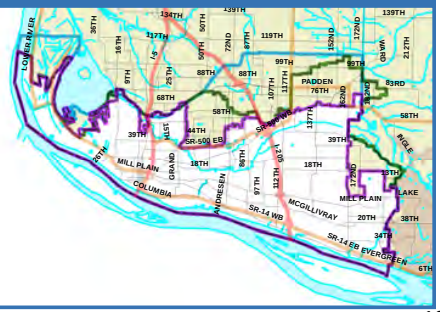
Project Description / Comments

Downtown focused transportation demand management program. Investments include: employer outreach, commuter training, bike sidewalk and ADA system investments, incentive programs

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	$30,000.00
Const. Cost:	$200,000.00
Const. Admin. Cost:	
Total Proj. Cost:	**$230,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**
2014

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

Date: 5/7/2015

014781

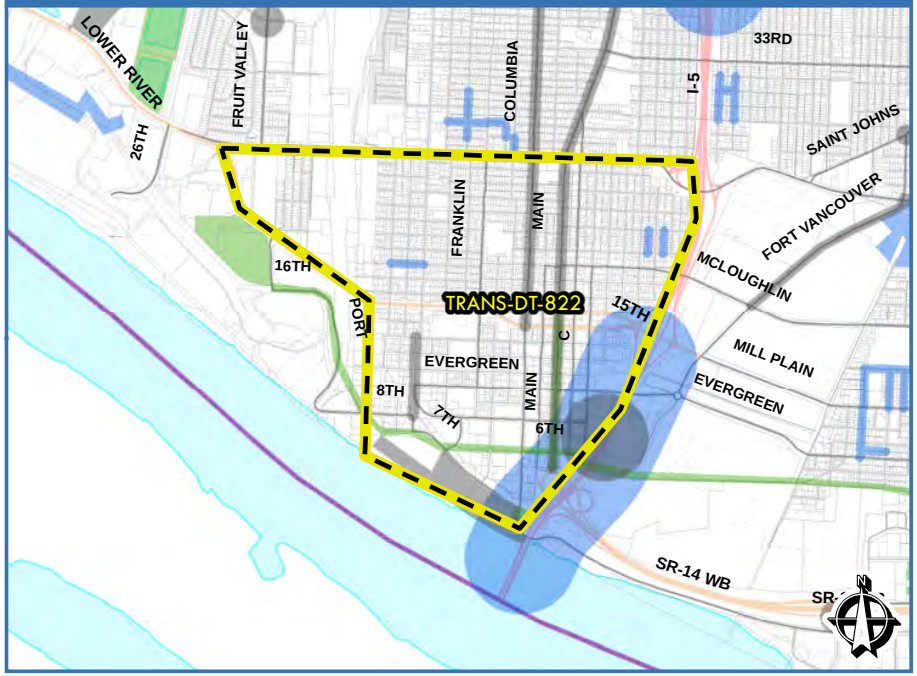
PROJECT ID: **TRANS-DT-822**

2016 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM

PROJECT: **DOWNTOWN QUIET ZONE**

PROJECT EXTENT: TO:

PROJECT AREA MAP



PROJECT SUMMARY

Utility Type: Transportation
Project Type: Enhancement
Project Status: Pending Funding

PROJECT DESCRIPTION

Project Justification / Priority

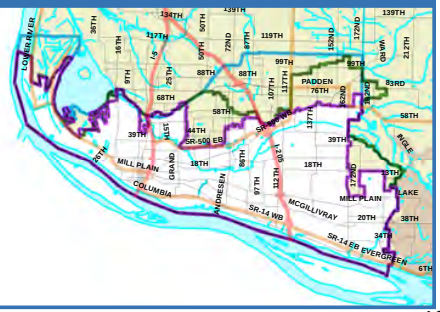
Project Description / Comments

Remove at-grade rail crossings or install crossing protection at several downtown intersections so trains will not blow horns in downtown Vancouver. Work at 8th & Jefferson Complete. Work at Hill & 11th on hold. Recently added work at the Chelsea RR crossing (to be completed in 2014)

LEGEND

- Project Boundary
- Transportation
- Sanitary Sewer
- Surface Water
- Water
- SCIP
- Taxlots
- Vancouver City Limits
- Sewer Service Area
- Water Service Area
- Clark County
- Battle Ground
- Camas
- Washougal

VICINITY MAP



ESTIMATED PROJECT COSTS

ROW Cost:	
Pre-Design Cost:	
Design Cost:	
Const. Cost:	
Const. Admin. Cost:	
Total Proj. Cost:	**$200,000.00**

FUNDING STRATEGY

Budget / Proj. #:

Budget / Proj. Task #:

***Start of Construction (Year):**

*All project timing will be dependent on coordination with other departments including streets, pavement management, sewer, water and surface water.

**Utility CIP projects (WTR-XXX, SS-XXX, SW-XXX & SCIP-XXX) can be found in the 6 Year Public Works Capital Improvement Program (CIP) document.

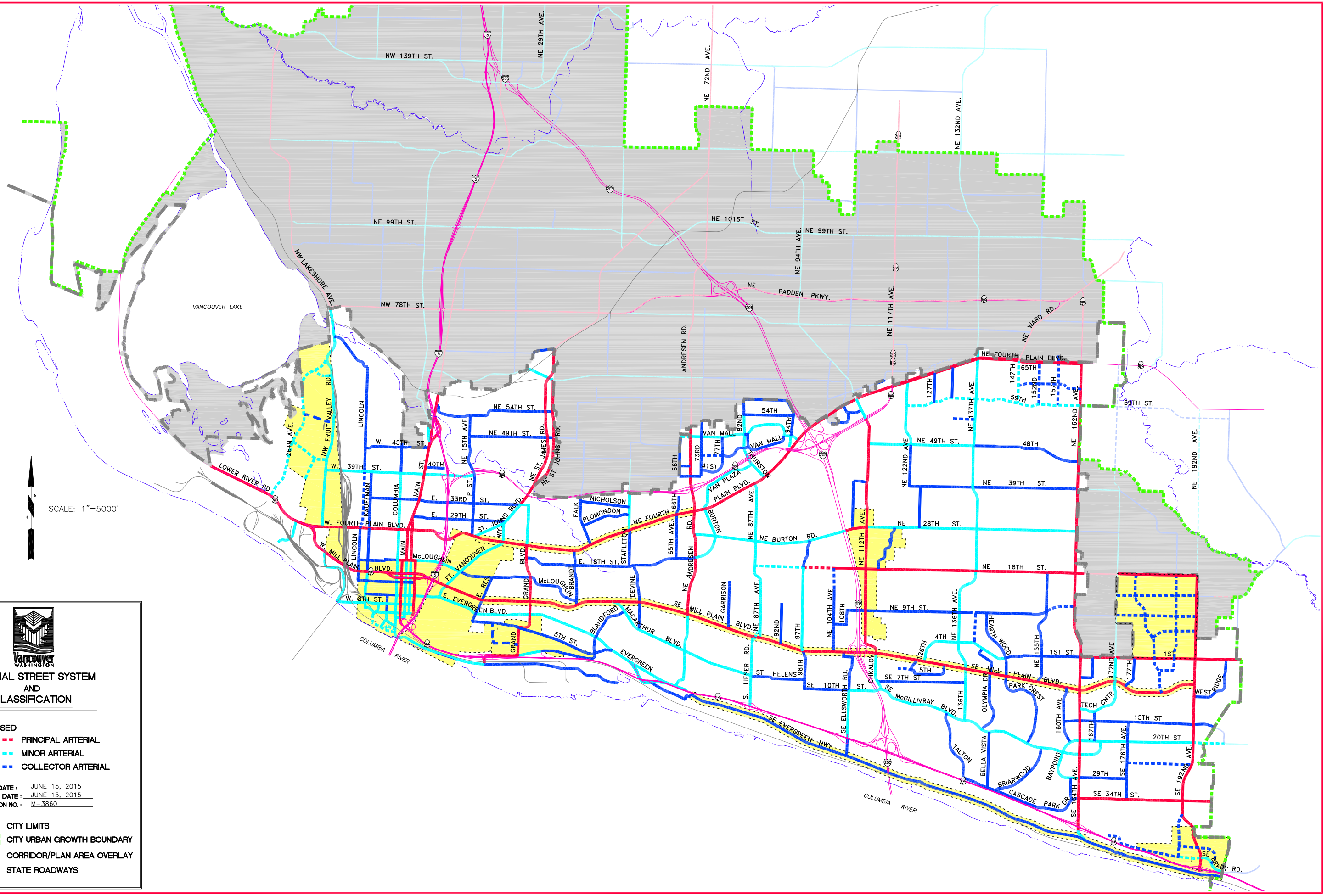
Date: 5/7/2015

014782

2016-2021
Transportation Improvement Program

Arterial Map Update

STREETS - ARTERIAL CLASSIFICATION CHANGES	
New Designation:	**Recommendation**
NE 157th Avenue (Fourth Plain to City Limits)	Add as collector arterial
Redesignation:	
None	
Other:	
Added all current subarea plans to map	



Vancouver
WASHINGTON

ARTERIAL STREET SYSTEM AND CLASSIFICATION

EXISTING	PROPOSED	
———	- - -	PRINCIPAL ARTERIAL
———	- - -	MINOR ARTERIAL
———	- - -	COLLECTOR ARTERIAL

HEARING DATE : JUNE 15, 2015
ADOPTION DATE : JUNE 15, 2015
RESOLUTION NO. : M-3860

- CITY LIMITS
- CITY URBAN GROWTH BOUNDARY
- CORRIDOR/PLAN AREA OVERLAY
- STATE ROADWAYS

014785

I:\TOPO MAPS\ARTERIAL STREETS\2015\HSART2015.DWG 6/23/2015

2016-2021
Transportation Improvement Program

Glossary

GLOSSARY OF FREQUENTLY USED TERMS AND ACRONYMS

ACP

Annual Construction Program.

ADA

Americans with Disabilities Act.

ADT

Average Daily Traffic.

AIP

Arterial Improvement Program (TIB funding Program).

Access

Access is a means of approach to provide vehicular or pedestrian entrance or exit to a property. This may not necessarily include all movements.

Access Management

Access management is the process of providing and managing access to land development while preserving the regional flow of traffic in terms of safety, capacity, and speed.

A.M. Peak Hour

A.M. peak hour is identified by a one hour period in the morning when traffic flow increases. The a.m. peak hour typically occurs between 6:30 a.m. and 9:00 a.m. Traffic volumes occurring during the a.m. peak hour are used to calculate the overall operation of a roadway or intersection.

ARRA

American Recovery and Reinvestment Act. Also call "economic stimulus package," ARRA was enacted by the 111th Congress in February 2009. The act provides $28.35 billion for improving and maintaining transportation infrastructure throughout the United States.

Arterial

An arterial is a major street carrying the traffic of local and collector streets to and from freeways and other major streets. Arterials generally have traffic signals at intersections and may have limits on driveway spacing and street intersection spacing.

Biological Assessment

A biological assessment is an environmental document required for compliance with the Endangered Species Act for projects with federal funding or permits.

CAT

Citizen Advisory Team.

CCRP

Corridor Congestion Relief Program (State funded).

CDBG

Community Development Block Grant. Block grants are targeted for low and moderate-income areas. Improvements usually consist of sidewalk and capital improvement programs.

CMAQ

Congestion Mitigation and Air Quality Improvement (Federal funding source). This funding is for projects that create a direct air quality benefit, leading toward attainment or maintenance of a National Ambient Air Quality Standard (NAAQS).

CN

Construction.

CTL

Center Turn Lane.

C-TRAN

Clark County Public Transportation Benefit Area Authority, the transit agency for Clark County, Washington.

CWP

Clean Water Program

Capacity

The maximum rate of flow at which vehicles can be reasonably expected to traverse a point or uniform segment of a lane or roadway during a specified time period under prevailing roadway, traffic, and control conditions; usually expressed as vehicles per hour.

In the project list spreadsheets Capacity is a term used to describe a subset of projects that upgrade existing substandard streets to urban arterial standards. This subset of projects typically improves more than just vehicle capacity. They also improve the pavement section, street lighting, bicycle, pedestrian, and ADA facilities.

Collector Streets – Urban Collector

Collectors – Urban Collector. “Urban collector” provides for land access and traffic circulation within and between residential neighborhoods, and commercial and industrial areas. Direct access to adjacent land uses, however, is still subordinate to traffic movement. Access to abutting properties is controlled through the use of raised channelization, driveway spacing and pavement markings. Typically, collectors are not continuous for any great length, nor do they form a connected network by themselves.

Comprehensive Plan

A long-range plan, typically looking 20 to 50 years into the future, which is intended to guide growth and development of a community. Comprehensive Plans are required by the Growth Management Act for specific counties and cities in Washington State. The Plans establish goals and policies for managing population growth and land development while ensuring that the growth is adequately served by public facilities.

Concurrency

The Concurrency ordinance (VMC 11.95) was adopted in response to the Washington State Growth Management Act, which required local jurisdictions to adopt level-of-service (LOS) standards for the arterial road system and to ensure maintaining those standards when considering new development. This process is called *Concurrency*. Concurrency applies to any development, land division, site plan, and conditional use permit approvals.

EA

Environmental Assessment.

Environmental Review

The consideration of environmental factors as required by the Washington State Environmental Policy Act (SEPA). The environmental review process is the procedure used by agencies and others under SEPA for giving appropriate consideration to the environment in agency decision-making. (WAC 197-11-746).

Enhancement

In the project list spreadsheets Capacity is a term used to describe a subset of projects that upgrade pedestrian or bicycle facilities, or otherwise enhance the livability of the community through upgrades to the street system.

ESA

The Endangered Species Act was established in 1973 to preserve ecosystems of endangered and threatened species. The Act was recently amended to include various species of fish, wildlife, and plants throughout the United States.

Growth Management

A group of strategies used by a government to direct the timing, location and type of development in a community.

Growth Management Act (GMA)

The State of Washington's Growth Management Act was adopted in 1990 to address the negative consequences of unprecedented population growth and suburban sprawl in the State. The GMA requires all cities and counties in the State to do some planning and has more extensive requirements for the largest and fastest-growing counties and cities in the State. Its requirements include guaranteeing the consistency of transportation and capital facilities plans with land use plans.

HES

Hazard Elimination System/Safety (Federal Funding Source). The objective of this fund is to improve specific locations which constituted a danger to vehicles or pedestrians as shown by frequency of accidents.

HIS-HRRP

In 2008, a portion of the funding provided through Federal Transportation Act SAFETEA-LU was made available for safety grants. Funds were provided through the Highway Safety Improvement Program (HSIP) and the High Risk Rural Roads Program (HRRRP).

HOV

High Occupancy Vehicle.

Impacts

'Impacts' are the effects or consequences of actions. Environmental impacts are effects upon the elements of the environment.

Interchange

A system of interconnecting roadways in conjunction with one or more grade separations, providing for the movement of traffic between two or more roadways on different levels.

Intersection

The general area where two or more roadways join or cross, within which are included the roadway and roadside facilities for traffic movements in that area.

ITS

Intelligent Transportation System.

Land Use

The type of activity associated with a specific geographic area. Land use categories can be broad (e.g., residential, retail, office, industrial, and recreational), or they can be very specific (e.g., single-family residential, convenience market, or elementary school). In order to estimate trip generation characteristics for a specific geographic area, it is necessary to know both the type and intensity of land use (e.g., single-family residential land use at a development intensity of eight units per acre).

Level of Service (LOS)

The Level of Service is a grading system developed by the transportation profession to quantify the degree of comfort (including such elements as speed, travel time, number of stops, total amount of stopped delay, and impediments caused by other vehicles) afforded to drivers as they travel through an intersection or roadway segment. LOS is expressed as a letter grade that ranges from "A", indicating that drivers will experience little, if any delay, to "F", indicating significant traffic congestion and driver delay will occur.

MVFT

Motor Vehicle Fuel Tax.

Mitigation

(1) Avoiding impacts altogether by not taking a certain action or parts of an action; (2) minimizing impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology, or by taking affirmative steps to avoid or reduce impacts; (3) rectifying impacts by repairing, rehabilitating, or restoring the affected environment; (4) reducing or eliminating impacts over time by preservation and maintenance operations during the life of the action; (5) compensating for impacts by replacing, enhancing or providing substitute resources or environments; and/or, (6) monitoring impacts and taking appropriate corrective measures (WAC 197-11-768).

Mode

The means by which travel is accomplished. Alternative modes of travel include walking, bicycling, auto, bus, light rail, airplane, ferry, etc.

NAAQS

The National Ambient Air Quality Standards were set up by the Environmental Protection Agency (EPA) to help mitigate the health impacts of air pollution. EPA established NAAQS measure for six pollutants that include carbon monoxide, ozone, particulate matter, lead, sulfur dioxide, and nitrous oxide.

Non-attainment Area

Geographic area in which air pollution levels exceed the NAAQS.

Peak Hour

A period of 60 consecutive minutes during which an intersection or roadway system experiences the greatest amount of traffic volume.

P.M. Peak Hour

A one hour period in the afternoon or evening when traffic flow increases. The p.m. peak hour typically occurs between 4 and 6 p.m. Traffic volumes occurring during the p.m. peak hour are used to calculate the overall operation of a roadway or intersection.

PE

Preliminary Engineering.

PSE

Plans, Specifications, and Estimates.

PSMP

Pedestrian Safety and Mobility Program.

PWB

Public Works Board. The Public Works Board was created by the 1985 Legislature. The Board is comprised of local government officials, special purpose district representatives, and private sector members. The mission of the Washington State Public Works Board is “to assist Washington’s local governments and private water systems in meeting their public works needs to sustain livable communities.” The Board is authorized to loan money to counties, cities, and special purpose districts to repair, replace, or create domestic water systems, sanitary

sewer systems, storm water systems, roads, streets, solid waste and recycling facilities, and bridges.

PWTF

Public Works Trust Fund. This trust fund is administered by the Public Works Board. The PWTF Construction and Pre-construction Loan Programs provide funds to design, repair, replace, or create a facility. These loans have a 5 to 20-year term with an interest rate of only one-half percent. The maximum for any agency is ten million dollars per biennium.

RCW

The Revised Code of Washington contains all the laws of the state of a general and permanent nature.

REET

Real-estate Excise Tax.

RTC

Southwest Washington Regional Transportation Council. RTC is the regional transportation planning agency for Clark, Klickitat, and Skamania counties.

WW&RP

Washington Wildlife and Recreation Program.

Right-of-Way/ROW

Right-of-way is property held by the City for existing or future public roads or other public improvements.

Roadway Conditions

The geometric characteristics of the street or highway, including the type of facility and its development environment, the number of lanes (by direction), lane and shoulder widths, lateral clearances, design speed, and horizontal and vertical alignments.

Roadway

A roadway is the improved portion of an easement or right-of-way, excluding curbs, sidewalks and ditches. Road, roadway and street will be considered interchangeable terms.

Roadway Section

A roadway section is a cross-section of a roadway which displays, travel lanes, turning lanes, bike lanes, sidewalks, and medians with their respective dimensions. Each classification of roadway has a corresponding roadway section.

SAFETEA-LU

On August 10, 2005, the President signed into law the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU). With guaranteed funding for highways, highway safety, and public transportation totaling $244.1 billion, SAFETEA-LU represents the largest surface transportation investment in our Nation's history. The two

landmark bills that brought surface transportation into the 21st century—the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) and the Transportation Equity Act for the 21st Century (TEA-21)—shaped the highway program to meet the Nation's changing transportation needs. SAFETEA-LU builds on this firm foundation, supplying the funds and refining the programmatic framework for investments needed to maintain and grow our vital transportation infrastructure.

SEPA

State Environmental Policy Act. SEPA is a state law requiring agencies to consider the environmental consequences of their decisions. (WAC 197-11-790).

STP

Surface Transportation Program (Federal funding source). The objective of the STP is to fund construction, reconstruction, resurfacing, restoration and rehabilitation of roads functionally classified as arterials.

STP-C

Surface Transportation Program – Competitive Grant.

STP-E

Surface Transportation Program – Enhancement Grant.

STP-TMA

Surface Transportation Program – Transportation Management Area Grant.

Signal Warrant

A criterion that must be met before the installation of a traffic signal can be considered.

Significant/Significance

1) 'Significant' as used in SEPA means a reasonable likelihood of more than a moderate adverse impact on environment quality.

2) Significance involves context and intensity and does not lend itself to a formula or quantifiable test. The context may vary with the physical setting. Intensity depends on the magnitude and duration of an impact. The severity of an impact should be weighed along with the likelihood of its occurrence. An impact may be significant if its chance of occurrence is not great, but the resulting environmental impact would be severe if it occurred. (WAC 197-11-794).

SWCAA

Southwest Washington Clean Air Agency, is a government agency responsible for air pollution control and planning in Clark, Cowlitz, Lewis, Skamania, and Wahkiakum Counties.

SYS

Traffic Signal System Improvement.

TBD

To Be Determined.

TDM

Transportation Demand Management is a demand-based technique for reducing traffic congestion, such as ride-sharing programs and flexible work schedules enabling employees to commute to and from work outside of peak hours.

TEA-21

The Transportation Equity Act for the 21st Century was signed on June 9, 1998, superseding the Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991. This bill provides Federal Transportation dollars for Federal, State and Local agencies. The majority of benefits associated with ISTEA are continued or expanded upon through TEA-21. Also, see SAFETEA-LU.

TIB

The Transportation Improvement Board is a state funding agency and administers several state funding programs. The mission of the TIB is to assist local agencies to preserve and improve transportation systems by providing financial assistance, supporting economic development, promoting multi-jurisdictional and multi-modal coordination and to promote public/private cooperation.

TIF

Transportation Impact Fee. TIF is the traffic impact component of a development impact fee. An impact fee is a fee levied on a developer by the county as compensation for expected effects of the development.

TIMACS

Transportation Information Management and Control System.

TIP

Six-Year Transportation Improvement Program.

TPP

Transportation Partnership Program (TIB Funding Program).

TS

Traffic Signal Project.

TSNS

Traffic Safety Near Schools.

TSO

Traffic Signal Optimization.

UAP

Urban Arterial Program (State funding source) formally known as the Arterial Improvement Program. This program was established by the State in 1967 as the Urban Arterial Trust Account (UATA) and was designated as the AIP in July 1999. The purpose of this program is to fund city and urban county arterial road and street projects to reduce congestion and improve safety, geometrics, and structural concerns.

UCP

Urban Corridor Program (State funding source) formally known as the Transportation Partnership Program. This program was established by the State in 1988 as the Transportation Improvement Account (TIA) and was designated as the TPP in July 1999. The purpose of the program is to fund projects on the regional transportation plan that are necessitated by existing or future congestion due to economic growth.

UR-SP

Urban Sidewalk Program (State funding source) formally known as the Pedestrian Safety and Mobility Program. This program was established by the TIB in 1994 as the Pedestrian Facilities Program (TIA-PFP) and was designated as the PSMP in July 1999. The program goal is to enhance and promote pedestrian mobility by providing funding for pedestrian projects that provide access and connectivity of pedestrian facilities.

V/C Ratio

The ratio of volume to capacity for a traffic facility.

Volume

The number of vehicles passing a point on a lane or roadway during some time interval, often taken to be one hour, but may also be expressed in terms such as sub-hourly, daily, or annually.

WAC

Washington Administrative Code. The WAC is laws adopted by state agencies to implement state legislation.

WSDOT

Washington State Department of Transportation. WSDOT is a department of the State of Washington responsible for transportation related planning, management, and coordination.

Zoning

A map and ordinance text which divides a city or county into land use “zones” and specifies the types of land uses, setbacks, lot size, and size restrictions for buildings within each zone.