

# Vancouver Waterfront Trail Project - City of Vancouver

Project Completed: March 2019

## Project Information

RTC funding: \$750,000

Total Project Cost: \$4,177,605

Project Type: Trail

Project Length: .5 miles



## Project Description

This project constructed a ½ mile 14 foot wide concrete trail along the Columbia River, complete with amenities, such as benches, lighting, irrigation, trash cans, bike racks and landscaping.

## Project Benefits

- Expand the City trail system by ½ mile

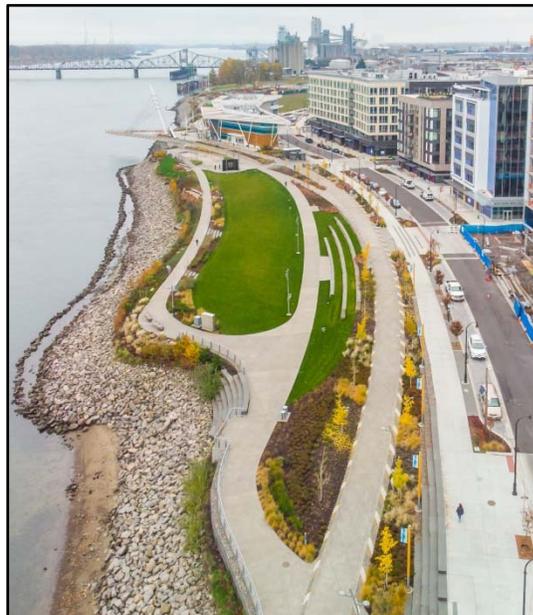
## Project Funding

Phase	Year	Federal Funds	Local Funds	Total
Design	2011-2016	\$0	\$0	\$0
Right of Way				
Construction	2017-2019	\$1,350,000	\$2,827,605	\$4,177,605
<b>Total</b>		<b>\$1,350,000</b>	<b>\$2,827,605</b>	<b>\$4,177,605</b>

## Project Map



## East End of Project



## West End of Project



# NE 119th Street East (NE 87th Avenue to NE 112th Avenue)

## Clark County

**Project Completed: November 2019**  
**CRP #: 342422**

### Project Information

RTC funding: \$3,100,000 STP Program  
 Total Project Cost: \$15,200,000  
 Project Type: Road Improvement  
 Project Length: 1.33 miles  
 Function Class: Minor Arterial  
 Daily Traffic Volume: 13,000 ADT



### Project Description

The project completely reconstructed a rural, two-lane section of NE 119th Street to a four-lane minor arterial with center turn lane/median (M-4cb) standard, added continuous bicycle lanes and sidewalks, stormwater collection and treatment, and utility installation and upgrades.

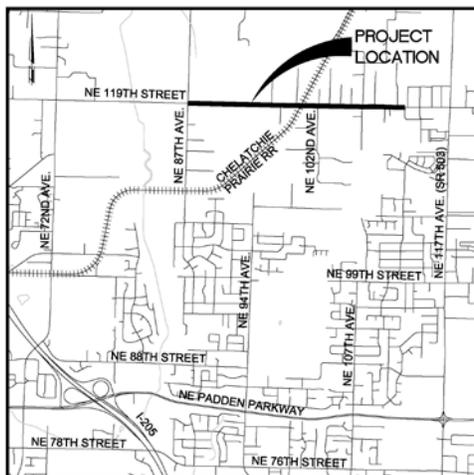
### Project Benefits

- Improved traffic flow and level of service by widening this section of NE 119th Street to a four-lane minor arterial standard with continuous center turn lane.
- Improved pedestrian and bicyclist safety by adding continuous sidewalks and bike lanes.
- Improved sight distance by removing or relocating clear-zone hazards and obstructions.
- Sanitary sewer lines were added, and waterlines were improved.
- Stormwater collection and treatment.
- Railroad signal at NE 99<sup>th</sup> Street was upgraded with this project.

### Project Funding

Phase	Year	Federal Funds	Other Funds	Total
Design	2014	\$0	\$1,000,000	\$1,000,000
Right of Way	2015	\$0	\$3,300,000	\$3,300,000
Construction	2018	\$3,100,000	\$7,800,000	\$10,900,000
Total		\$3,100,000	\$12,100,000	\$15,200,000

### Project Map



# Signal, Timing, Evaluation, Verification, and Enhancement (STEVE) (Various Locations: NW 139<sup>th</sup> Street to Padden Parkway) Clark County

Project Completed: December 2019

CRP #: 352122

## Project Information

RTC funding: \$920,000 CMAQ Program

Total Project Cost: \$1,365,000

Project Type: Transportation Safety Improvement

Project Length: 15.2 miles

Function Class: Principal Arterial

Daily Traffic Volume: 20,000 ADT



## Project Description

This project installed Intelligent Transportation System (ITS) devices, data collection technology creating a standard method to evaluate the effectiveness of changes made to the county's traffic signal network. The standardization method of analyzing and measuring changes allows consistent reporting of before and after impacts of projects and enables traffic engineers to further optimize corridor capacity and relieve traffic congestion.

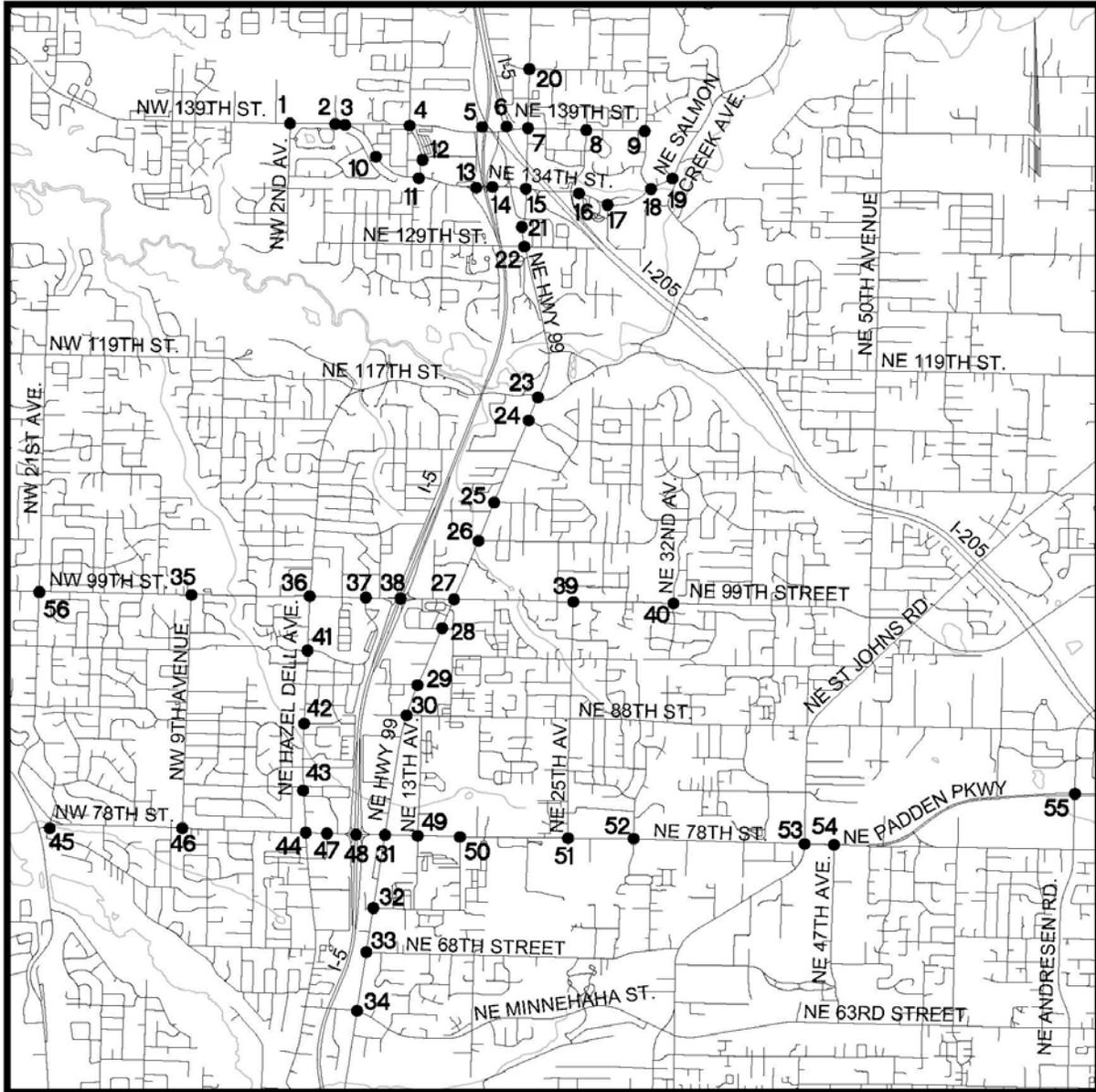
## Project Benefits

- Before and After studies of improvement projects are needed to validate the effective use of transportation funding as well as standardize the reporting of traffic data.
- Adding the infrastructure and framework to measure the effects of transportation projects supports several regional management and roadway operation strategies that are specified in the Regional Transportation Systems Management and Operations (TSMO) Plan.
- Measuring signal timing and configuration changes in a consistent way improves regional decision-making. Adding Bluetooth receivers and Wavetronix devices created an expanded network of travel-time detectors and count stations on more than 15 miles of the county's busiest roadways, allowing more robust analysis of roadway capacity and congestion.
- Resulting data is now collected 24-hours a day, providing continuous and comprehensive information for regional planning. The reporting framework and MOE's developed with this project further enhanced regional mobility by creating field-proven measures presented in a consistent format across all types of projects.

## Project Funding

Phase	Year	Federal Funds	Other Funds	Total
Design	2015	\$360,000	\$255,000	\$615,000
Right of Way	2017	\$0	\$3,000	\$3,000
Construction	2016	\$560,000	\$187,000	\$747,000
Total		\$920,000	\$445,000	\$1,365,000

# Project Map



# Working to Refine IntelliGent Highway Transportation (WRIGHT) NE 139th Street (NW 2nd Avenue to NE 20th Avenue)

## Clark County

Project Completed: December 2019

CRP #: 361422

### Project Information

RTC funding: \$685,000 CMAQ Program

Total Project Cost: \$1,000,000

Project Type: Transportation Safety Improvement

Project Length: 1.0 miles

Function Class: Minor Arterial

Daily Traffic Volume: 20,000 ADT



### Project Description

Traffic signal system upgrades, adding: Adaptive Signal System, Reporting for Transit Signal Priority (TSP), Street Sync Backup and Video Sharing between three agencies (Clark County, City of Vancouver and Washington State Department of Transportation). This project upgraded computer software and hardware, and will extend the functionality of county traffic signals by addressing more efficient movement of vehicle and bus traffic, allow for Clark County and C-Tran to optimize transit operations, quicker maintenance and backup protection for signal controllers, and simplifying multi-agency video sharing across incompatible platforms for better traffic management throughout the region.

### Project Benefits

- Installing the Adaptive Signal System software on NE 139th Street replaced clock-based time of day signal operation, and moves traffic more efficiently along the main arterial, and reducing the delay at side streets, which are often under-served by clock-based signals.
- Existing software in the county's traffic control center was upgraded to analyze C-Tran's implementation of Transit Signal Priority in the Highway 99 corridor, allowing the county to detect, track and report C-Tran buses, allowing the county and C-Tran to optimize the transit operations on NE Highway 99.
- Installation of Street Sync software reduces maintenance and repair time by automating backup of highly complex traffic signal controllers not yet added to the county's Ethernet communications network. This Street Sync Module and software allows signal technicians and engineers to make field changes in the controller, upload controller programming to a laptop, then sync those changes to a central traffic system.
- Computer servers and software were purchased that will allow county, City of Vancouver and WSDOT to share live video from their different traffic surveillance systems with each other.

### Project Funding

Phase	Year	Federal Funds	Other Funds	Total
Design/Construction	2016	\$685,000	\$315,000	\$1,000,000
Total		\$685,000	\$315,000	\$1,000,000

# Project Map

