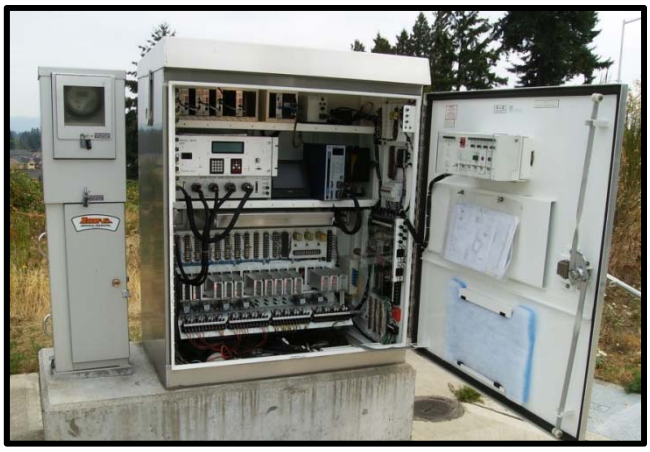
Main Street and Columbia Street Fiber Optic Project
City of Vancouver

Project Completed: April 2018



Project Information

RTC funding: $917,000 CMAQ
Total Project Cost: $1,284,279
Project Type: Intelligent Transportation System
Project Length: 2 miles
Function Class: Principal Arterial
Daily Traffic Volume: 5200 ADT

Project Description

This project is intended to expand the reliability of the regional communications network by installing fiber optic cable on Columbia Street and Main Street between W 6th Street and E 45th Street. The project also improves the operational efficiency of the traffic signals along the corridors by upgrading the traffic signal controllers. The project allows all of the traffic signals in downtown Vancouver to communicate over fiber optic cable back to the Trafficware central traffic signal system server. The upgraded controllers and communications network improve the City's ability to remotely access, manage, and maintain the traffic signals in the downtown core and along Columbia Street and Main Street. The project will facilitate improved signal coordination and integration and give the City the ability to review and adjust timings in real time and use staff time more efficiently.

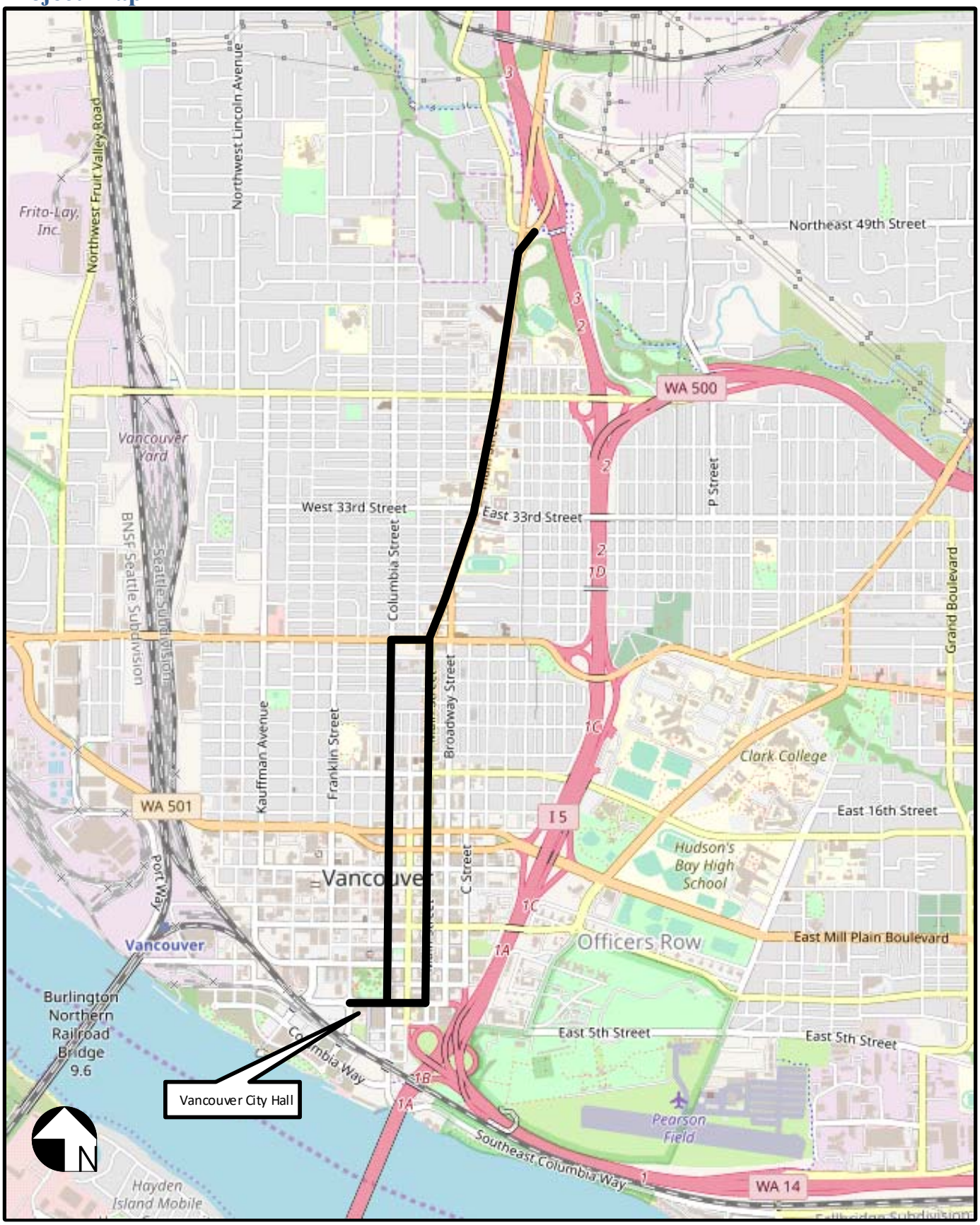
Project Benefits

- Expand the City communications network to reach signals previously without communication.
- Improve regional transportation network by providing redundant fiber network in a new corridor.
- Upgrade controllers which will allow additional traffic signals to be connected to the City's central system.
- Provide fiber connection to WSDOT Maintenance Facility.
- Provide remote access to operate and maintain traffic signals.
- Facilitate improved signal coordination and integration.

Project Funding

Phase	Year	Federal Funds	Local Funds	Total
Design	2014	$62,000	$9,700	$71,700
Right of Way	N/A	$0	$0	$0
Construction	2017	$855,000	$357,579	$1,212,579
Total		$917,000	$367,279	$1,284,279

Project Map


Northwest Fruit Valley Road
Northwest Lincoln Avenue
Frito-Lay, Inc.
Northeast 49th Street
WA 500
Vancouver Yard
West 33rd Street
East 33rd Street
P Street
Columbia Street
BNSF Seattle Subdivision
Grand Boulevard
Kauffman Avenue
Franklin Street
Broadway Street
Clark College
WA 501
I 5
East 16th Street
Hudson's Bay High School
Vancouver
C Street
Port Way
Officers Row
East Mill Plain Boulevard
Burlington Northern Railroad Bridge 9.6
East 5th Street
East 5th Street
Vancouver City Hall
Pearson Field
Southeast Columbia Way
WA 14
Hayden Island Mobile
N