

# 2020 City Safety Program Application for Funding



Local Programs

## Part 1: Agency Information

List the contact information for questions about the project(s) in this application:

- Agency name: City of Tacoma
- Contact name: Chris Larson
- Title: Division Manager
- Phone: (253) 591-5538
- Email: [clarson@cityoftacoma.org](mailto:clarson@cityoftacoma.org)

List the city's regional or metropolitan planning organization name:

WSDOT Region where the city is located: See <http://www.wsdot.wa.gov/LocalPrograms/regional.htm> for more information.

☐ Northwest   ☒ Olympic   ☐ Southwest   ☐ North Central   ☐ South Central   ☐ Eastern

### Project 1 (Spot): S 21<sup>st</sup> and C Streets Signal

#### Description of Work:

This project will construct a warranted traffic signal at South 21<sup>st</sup> Street and C Street, which is adjacent to the University of Washington Tacoma (UWT). The project will provide interconnect for signal coordination with the signal at South 21<sup>st</sup> Street and Jefferson Avenue, which is 300 ft west. South 21<sup>st</sup> Street is a principal arterial that serves as the terminus of State Route 509 and provides direct connection to Interstate 705 on/off ramps. C Street is a collector arterial that provides pedestrian and vehicular access between UWT and Tacoma's revitalizing Brewery District that includes parking for UWT students and historic warehouses converting to residential and commercial uses. The speed limit on South 21<sup>st</sup> Street is 25 mph. The average daily traffic (ADT) along South 21<sup>st</sup> Street is 13,080 (2015).

## Project 1 (Spot): S 21<sup>st</sup> and C Streets Signal

Improvement/countermeasure: *Install new traffic signal and communication interconnect*

1. Location 1: *South 21<sup>st</sup> Street and C Street - new signal with accessible pedestrian signals and push buttons, with new curb ramps on 3 corners*
2. Location 2: *Along South 21<sup>st</sup> Street and at South 31<sup>st</sup> Street and Jefferson Avenue – communication interconnect for signal coordination with South 21<sup>st</sup> Street and C Street*

### Project Schedule (Estimated milestones):

Project added to the Statewide Transportation Improvement Program (STIP)	02/21
Project agreement signed with WSDOT Local Programs	03/21
Begin PE (PE phase authorized by FHWA through WSDOT Local Programs) <i>(6 mos design)</i>	04/21
Community/stakeholder engagement complete	09/21
Environmental documents (required for every project) approved by WSDOT Local Programs	10/21
Begin right-of-way (RW phase authorized by FHWA through WSDOT Local Programs)	11/21
Right-of-way completed (certification by FHWA through WSDOT Local Programs)	08/22
Contract advertised	09/22
Contract awarded	11/22
Construction complete	11/23

### Project Cost, Match Amount, and Requested Funding<sup>1</sup>:

Phase	Cost of entire phase	Match amount <sup>2</sup>	Amount requested from this program
Preliminary Engineering (PE)	\$95,200	\$9,600	\$85,600
Right-of-Way (RW)	\$55,000	\$5,500	\$49,500
Construction (includes construction administration) (CN)	\$981,500	\$0	\$981,500
<b>Total</b>	<b>\$1,131,700</b>	<b>\$15,100</b>	<b>\$1,116,600</b>
Source(s) of matching funds <sup>2</sup> : City of Tacoma Streets Initiative 1085 Fund			

Provide all of the following information for every project within the priority list found in the local road safety plan.

1. **Limits of work:** Beginning: South 21<sup>st</sup> Street and Jefferson Avenue Ending: South 21<sup>st</sup> Street and C Street
2. **Project in adopted plan?:** Six-Year Comprehensive Transportation Improvement Program Amended 2019 & 2020-2025, adopted June 18, 2019
3. **Has this project had community/stakeholder engagement?** ☒ Yes ☐ No
4. **Coordination with other jurisdictions:** If any roadways in this application are owned or managed by another jurisdiction, such as a county, Indian tribe, federal agency, or WSDOT, list the roadways here: Not applicable
5. **Current Project Information:** Is this a current project? ☒ No. ☐ Yes. If yes, answer the following questions.
  - a. **Existing Project Number** (if assigned – otherwise state “Not yet assigned”): N/A
  - b. **Explain the project status and why your jurisdiction is applying for additional funds:** N/A
  - c. **Explain if the project description, schedule, or budget has changed and if so, how and why:** N/A
  - d. **Does the project have current federal funding?** ☒ No. ☐ Yes. N/A

**Crash data for Spot Location projects:** List the fatal and serious injury crashes this project has the potential to address. The project must address one or more fatal and/or serious crashes from 2014-2018.

Location	Crash Report Number	Year
1. South 21 <sup>st</sup> Street and C Street	E505386	2016
2. South 21 <sup>st</sup> Street and C Street	E669336	2017

# Attachments

## **Project 1: S 21<sup>st</sup> and C Streets Signal**

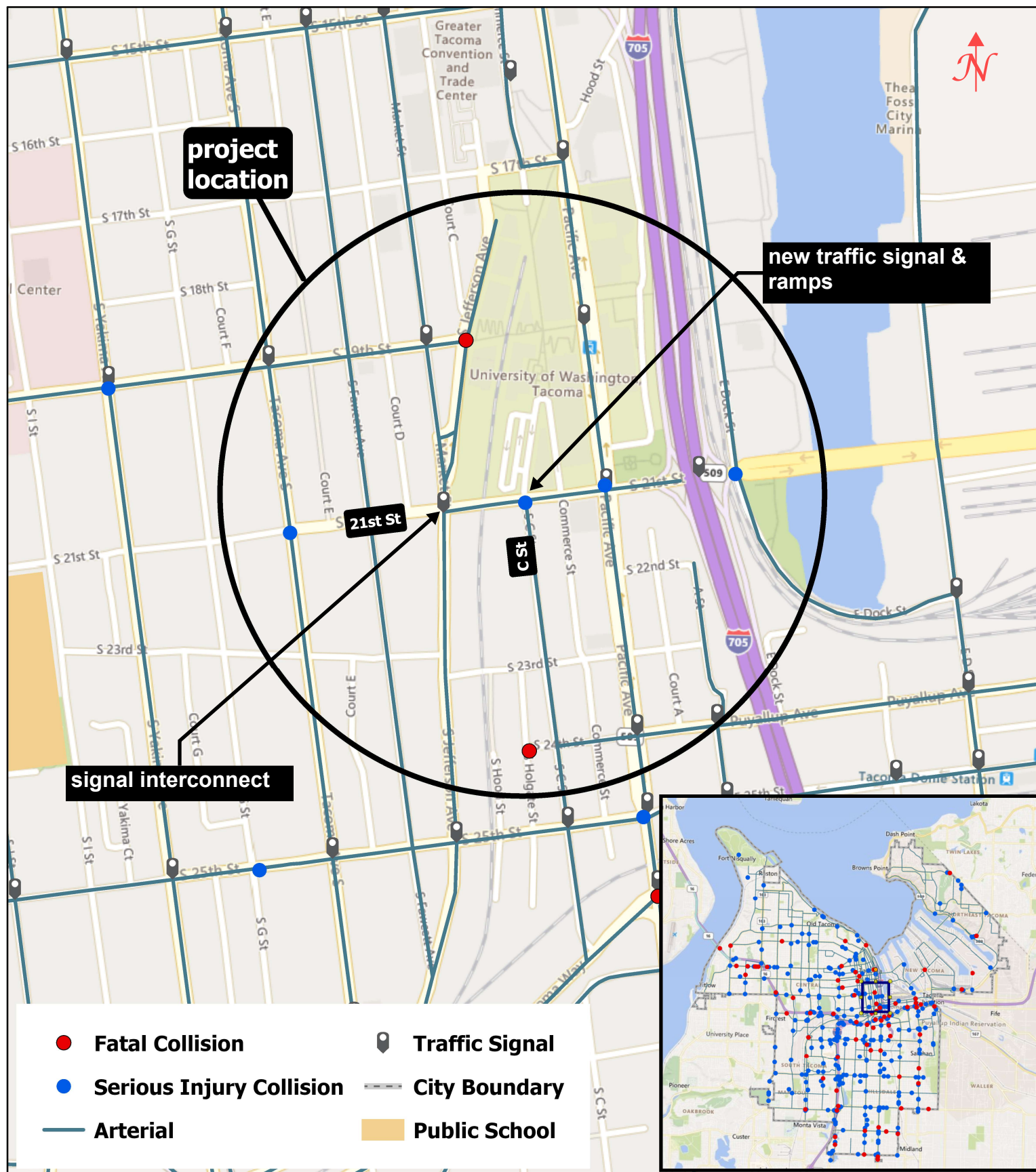
Vicinity Map

Conceptual Plan

Cross-Section Plans

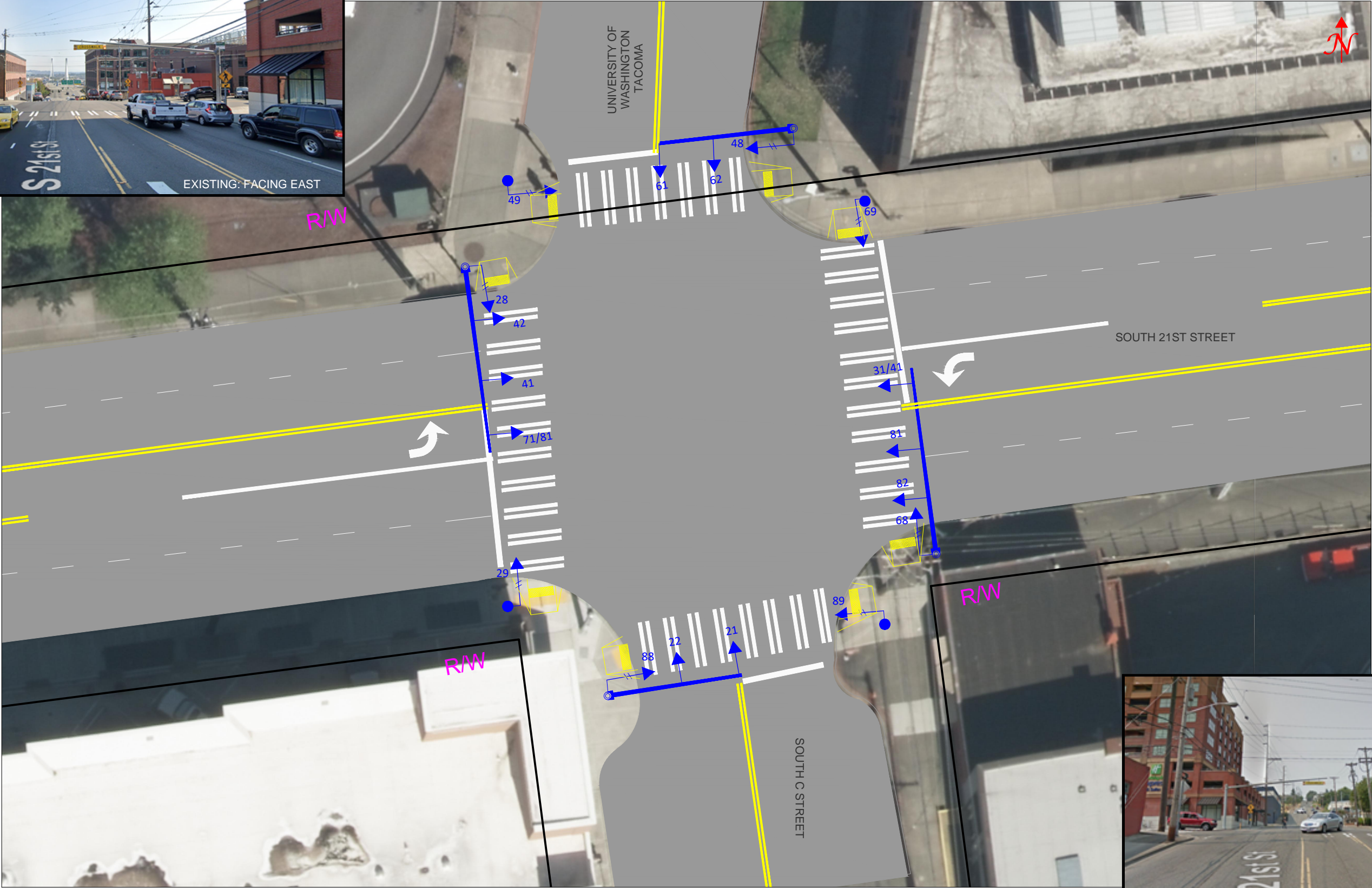
Cost Estimate for Each Phase

Letter of Support from University of Washington Tacoma





Project 1: S 21st and C Streets Signal  
Conceptual Plan



CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS  
ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE.  
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING,  
POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG  
(1-800-424-5555) OR VISIT ONLINE: [www.callbeforeyoudig.org](http://www.callbeforeyoudig.org)



NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
Date	1" = 10'
DESIGNED	CHECKED
KN	Chk
DRAWN	PROJECT NAME
KN	S 21ST @ C ST
DRAWING NAME	S 21ST @ C SIGNAL CONCEPT

ENGINEERING DIVISION MANAGER
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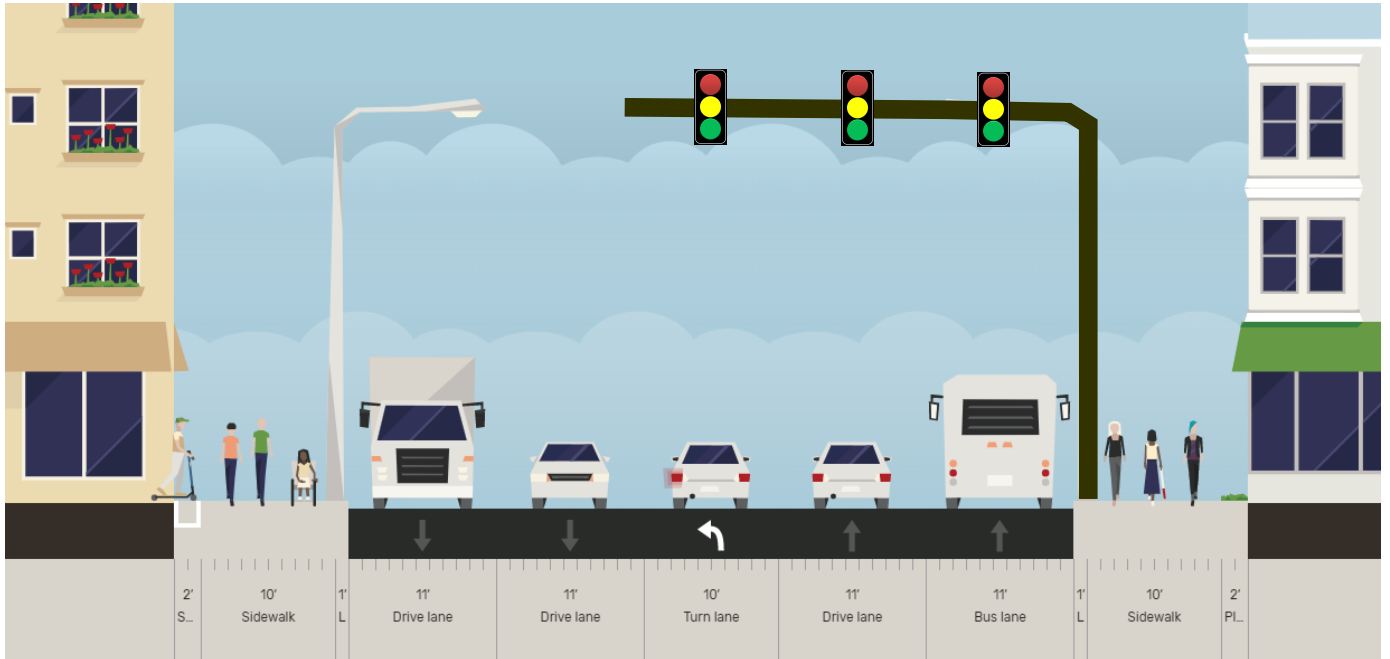
CITY OF TACOMA

DEPARTMENT OF PUBLIC WORKS

S 21ST STREET @ S C STREET  
SIGNAL CONCEPT

SHEET NO.  
SHEET 1 OF 1

## Project 1: S 21st and C Streets Signal Proposed Cross-Section



## S 21st St / C St Signal

Construction Cost Estimate			
Construction Costs			
Curb Ramp Work	LS	\$	100,000
Traffic Signal Work	LS	\$	376,824
Soft Costs			
Clearing and Grubbing	LS	\$	7,000
Erosion Control	LS	\$	2,000
Mobilization	LS	\$	60,000
Traffic/Ped Control	LS	\$	53,000
Miscellaneous Submittals	LS	\$	5,500
Sub-Total Construction Cost			
Sub-Total		\$	604,324
Contingency and Engineering Costs			
Contingency	20%	\$	120,865
Preliminary Engineering	15%	\$	90,649
Construction Engineering	20%	\$	120,865
ROW Costs	LS	\$	50,000
Grand Total			
<b>Total Project Cost</b>		<b>\$</b>	<b>986,703</b>

Project Schedule	
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CURRENT YEAR DOLLARS (03/06/20)

Grant Format	Total Cost	Match**	Fed	Notes
Preliminary Engineering	\$ 90,700	\$ 9,100	\$ 81,600	10% match
ROW	\$ 50,000	\$ 5,000	\$ 45,000	10% match
Construction (CE+CN)	\$ 846,100	\$ -	\$ 846,100	no match... construction funds obligated before 04/30/23
** match funds sourced from SI 1085 Fund	\$ 986,800	\$ 14,100	\$ 972,700	* all rounded to nearest \$100

### ADJUSTED FOR INFLATION

Grant Format	Total Cost	Match**	Fed	Notes
Preliminary Engineering	\$ 95,200	\$ 9,600	\$ 85,600	10% match
ROW	\$ 55,000	\$ 5,500	\$ 49,500	10% match
Construction (CE+CN)	\$ 981,500	\$ -	\$ 981,500	no match... construction funds obligated before 04/30/23
** match funds sourced from SI 1085 Fund	\$ 1,131,700	\$ 15,100	\$ 1,116,600	* all rounded to nearest \$100



March 5, 2020

The Honorable Victoria Woodards  
Office of the Mayor of Tacoma  
Tacoma Municipal Building  
747 Market Street, 12<sup>th</sup> Floor  
Tacoma, WA 98402

Dear Mayor Woodards:

We are writing to you on behalf of the University of Washington Tacoma in strong support of the City of Tacoma's application to the Highway Safety Improvement Program to construct a new traffic signal at the intersection of South 21<sup>st</sup> Street and C Street. This intersection has long been a safety concern for the campus community, and we share the city's commitment to this corridor as a top priority.

As you know, the 21<sup>st</sup> Street arterial is the most heavily vehicular trafficked street in the south downtown district, and it is intersected with the most heavily utilized pedestrian crossing in that end of the city as well. With the continued development of the Brewery District, our University's continued expected population growth, and the development of surrounding areas, the area is sure to see more pedestrian and vehicular traffic each year.

Between 2013 and 2018, 13 crashes have occurred at the intersection of S 21<sup>st</sup> St & C St. This number has risen over time, with 4 crashes in 2018, including 3 pedestrian and injury collisions. With this increase in collisions, our students, faculty, and staff share growing concern about safety at this intersection.

We thank the city for their engagement with our campus over the years and applaud your continued efforts to find a solution. The South 21<sup>st</sup> Street and C Street intersection is prime opportunity to fulfill the Highway Safety Improvement Program's goal of reducing serious injury crashes. Without improvement, this intersection will continue to be an increasing threat to the safety of our campus community. For that reason, the University of Washington Tacoma strongly supports this application.

Sincerely,

Mark A. Pagano  
Chancellor

Vincent Da  
President, Associated Student of UWT