

# City of Prosser

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April 10, 2017

Benton-Franklin Council of Governments  
1622 Terminal Drive  
Richland, WA 99354

Attn: Tanna Dole

Re: **City of Prosser**  
**2019-2021 Surface Transportation Block Grant (STBG) Application**  
**2019-2021 Transportation Alternative Program (TAP) Application**  
**Bennett Avenue Design**

Dear Ms. Dole:

The City of Prosser appreciates the opportunity to submit the enclosed **2019-2021 STBG Application** for the design of reconstruction of Bennett Avenue from 6<sup>th</sup> Street to Florence Street. This Major Collector directly accesses our Central Business District and provides the primary east-west connectivity between the Central Business District and SR 22 to the west of the City core. Bennett Avenue provides alternative traffic circulation options for motorists visiting our Central Business District and for the trucks serving those businesses along the collector.

The existing asphalt pavement on Bennett Avenue is in poor condition and sidewalk is sporadic on the south side of the avenue. Land uses along this arterial change from an elementary school and city park at one end, commercial in the Central Business District at the other end, and residential in between. Benton-Franklin Transit supports a stop on the south side of Bennett just west of 6<sup>th</sup> Street.

Prosser intends to combine Transportation Alternative Program (TAP) and Surface Transportation Block Grant (STBG) funding to this project to design the roadway, curb and gutter, illumination, sidewalk and intersection ramps between 6<sup>th</sup> Street and Florence Street.

The City would like to thank Benton-Franklin Council of Governments for its consideration of the enclosed STBG and TAP Applications for our Bennett Avenue design project. Should you have any questions regarding our application, please contact City Public Works Director, L.J. DaCorsi, at (509) 786-2332.

Very truly yours,

A handwritten signature in blue ink that reads "Randy Taylor".

Randy Taylor, Mayor  
City of Prosser



**BENTON-FRANKLIN COUNCIL OF GOVERNMENTS  
BENTON-FRANKLIN REGIONAL TRANSPORTATION PLANNING ORGANIZATION**

2017 for FFY 2019 - 2021  
REGIONAL STP PROJECT APPLICATION

DATE: 4/10/2017

PROJECT TITLE: Bennett Avenue Reconstruction

CHOOSE A FUNDING CATEGORY	
STP-URBAN LARGE	<input type="checkbox"/>
STP-URBAN SMALL	<input checked="" type="checkbox"/>
STP - RURAL	<input type="checkbox"/>

IS THIS A NEW PROJECT? YES  NO  TIP/STIP# \_\_\_\_\_

ADD-ON TO LOCAL PROJECT? YES  NO  FEDERAL ID# \_\_\_\_\_

CONTINUATION OF FEDERAL STBG/TAP PROJECT? YES  NO

IS THIS PROJECT A PHASE THAT COMPLETES A LARGER PROJECT OR IMPLEMENTS PREVIOUS STUDY OR DESIGN PHASE? YES  NO

IS THE APPLICATION REQUEST FOR:

PE  Right-of-Way  Construction

Other \_\_\_\_\_

**PROJECT SPONSOR INFORMATION**

Agency /Organization **City of Prosser**  
 County **Benton**  
 Contact Person **L.J. DaCorsi**  
 Phone **(509) 786-7300**  
 Email Address **LJDacorsi@ci.prosser.wa.us**

**IMPROVEMENT TYPE (Mark all that apply)**

New Construction Roadway	<input type="checkbox"/>	Right of Way	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>
Reconstruction, Added Capacity	<input type="checkbox"/>	Planning	<input checked="" type="checkbox"/>		
Reconstruction, No Added Capacity	<input type="checkbox"/>	Safety	<input checked="" type="checkbox"/>		
Maintenance, Resurfacing	<input type="checkbox"/>	Transit	<input checked="" type="checkbox"/>		
Maintenance, Restoration/Rehab	<input type="checkbox"/>	Freight	<input checked="" type="checkbox"/>		
Preliminary Engineering	<input checked="" type="checkbox"/>	Multi-modal	<input checked="" type="checkbox"/>		

**PLAN INTEGRATION**

Is your project defined in a regional or local plan that is subject to public review and comment ? YES  NO

**PROJECT OVERVIEW**

**Existing Conditions**

Bennett Avenue is in poor condition. Between Florence Street and 6th Street there is sporadic sidewalk on the south side and no sidewalk on the north side of the roadway. The entire roadway has inadequate street lighting, storm drainage facilities, and inadequate ADA ramps. Benton-Franklin Transit provides a scheduled stop just west of 6th Street on the south side of Bennett Ave. At the Florence Street end of the project are school and recreational land uses. The 6th Street end of the project terminates in the Central Business District and Bennett Avenue accesses industrial and residential areas in between the two ends.

Previous investments in the Central Business District include improvements to 6th Street in 2012 and nearby TIB and ARRA funded projects on Sheridan Avenue, Wine Country Road, and 7th Street.

**Proposed Improvements**

This project consists of designing the reconstruction of Bennett Avenue between Florence Street and 6th Street. Prosser intends to combine TAP funding for the design of ramps and sidewalk on Bennett Road with STBG funding for designing the whole road between Kinney Way and 6th Street.

ROADWAY DETAILS ( If applicable)

ROADWAY FEDERAL CLASSIFICATION Major Collector  
 LOCATION OF PROJECT (Include map) Bennett Road from Florence Street to 6th Street  
 BEGINNING TERMINI Florence Street  
 ENDING TERMINI 6th Sttreet  
 LENGTH OF PROJECT 0.50 mi  
 SPEED LIMIT OF STREET (MPH): 25  
 ANNUAL AVERAGE DAILY VEHICLULAR TRAFFIC (AADT and YEAR): 2,518 - 2012  
 NON-MOTORIZED FACILITIES PRESENT: BIKE LANE  MULTIUSE PATH  SIDE WALK  ADA COMPLIANT   
 IS PROJECT ALONG TRANSIT ROUTE? YES  NO   
 IF YES, IDENTIFY ROUTE: 170  
 IF YES, HAS PROJECT SPONSOR COORDINATED WITH TRANSIT AGENCY? YES  NO

PROJECT DESCRIPTION & SIGNIFICANCE

Describe the proposed project.  
 How does this project support the regions goals and objectives? (See attached)

As described in the project overview, Bennett Avenue is in poor condition with inadequate pedestrian, illumination, and stormwater facilities. The proposed project will design the reconstruction of this important east-west arterial to bring these facilities up to current standards.

This project is integrated with local land use policies and builds upon recent investments made on Wine Country Road, 6th Street, and Sheridan Avenue. Improvements on this route will provide improved access for goods, services, and increase accessibility and mobility for people of all abilities.

This design project is in-line with BFCG's integration of land use and safety-conscious transportation planning as it incorporates safety on the road and on the pedestrian system. This route provides access to a wide range of land uses including school/park areas, residential, and industrial between Florence Street and the Central Business District.

Expanding the stormwater facilities on this roadway not only mitigates hazardous driving during inclement weather, the treatment of stormwater and road run-off is environmentally responsible as well.

Prosser is prepared to include this project in the 2018-2022 TIP with PE & R/W -2018 and CN - 2020, if funds are available immediately and BFCG needs additional obligation to meet annual obligation targets.

**PROJECT SCORING CRITERIA**  
**TOTAL POSSIBLE POINT = 80**  
**DESCRIBE HOW THIS PROJECT MEETS EACH OF THE FOLLOWING SCORING CRITERIA**

**SAFETY = \_\_\_\_\_ points** (For TAC/PAC committee use)

The design project will incorporate pedestrian safety by planning for ADA compliant sidewalks, illumination, curb and gutter throughout the entire project. Roadway crossings and installation of pedestrian crossing lighting at mid-block crossing add to the safety features of this project. Vehicular safety will be improved by designing to eliminate the poor roadway condition, removing obstructions close to the roadway, improving channelization along the school, installing storm drainage facilities to remove water ponding and wintertime icing within the streets, and improving vision for drivers via the new illumination system.



**MOBILITY AND ACCESSIBILITY = \_\_\_\_\_ points** (For TAC/PAC committee use)

This project will continue the sidewalk investments previously made (2006, 2009, 2012, 2014) furthering a walkable environment connecting commercial, residential, and public lands. The pedestrian facilities (sidewalk and curb ramps) along Bennett Avenue between Florence Street and 6th Street will be designed concurrently and the City will seek BFCG's 2019-2021 TAP funding concurrently. All pedestrian improvements of the Bennett Avenue project will contribute to the encouragement of mobility for all abilities. This Major Collector enhances circulation in the Central Business District for passenger vehicles and trucks.

**PRESERVATION = \_\_\_\_\_ points** (For TAC/PAC committee use)

Reconstruction of the road crown and curb grades will improve stormwater runoff and lengthen the life of improvements.

**REGIONAL SIGNIFICANCE = \_\_\_\_\_ points** (For TAC/PAC committee use)

If approved, this project will be added to the City's Six-Year TIP. Portions of this project have been included in previous TIB applications. This road serves direct access to the city's Central Business District, City Hall, the Prosser Police Department, Convention Center, and farmer's market, industry and elementary schools.

**FREIGHT MOVEMENT & ECONOMIC VITALITY = \_\_\_\_\_ points** (For TAC/PAC committee use)

This key east-west Major Collector directly accesses Prosser's Central Business District and continues west to connect directly with SR 22. This route provides a link between Wine Country Road and SR 22 through the CBD. These improvements will help promote additional development and redevelopment in this area.

**PROJECT SCHEDULE & DELIVERY  
ANTICIPATED REVENUES  
ESTIMATED PROJECT COSTS**

PROJECT COST AND PHASING		Cost by Phase	Proposed Year of Obligation
	Preliminary Engineering/Design	\$ 258,860	2018
	Right of Way	\$ 105,000	2018
	Construction	\$ 1,915,585	2020
	<b>Total Estimated Project Cost</b>	<b>\$ 2,279,445</b>	

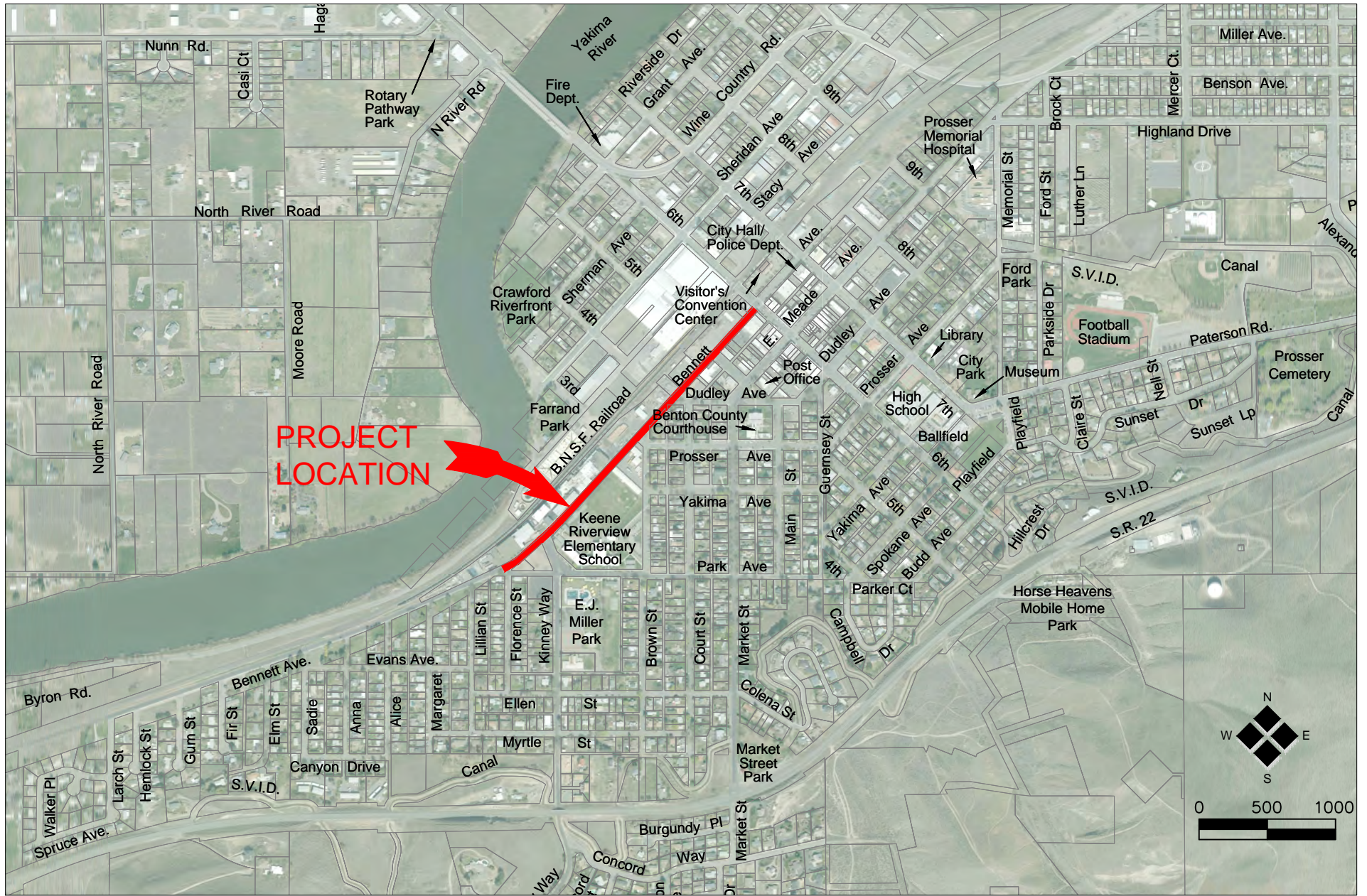
PROJECT PHASE REVENUE By FFY Obligation Year	REVENUE	2019	2020	2021
	LOCAL	\$ 49,938	\$ 191,558	
	STATE		\$ 1,724,027	
	OTHER	\$ 21,232		
	REQUESTED STP	\$ 292,690		
	<b>Total Project Phase Revenue</b>	<b>\$ 363,860</b>	<b>\$ 1,915,585</b>	<b>\$ 0</b>

TARGET DELIVERY					MAXIMUM	SCORE
PE	> 25% Complete	> 50% Complete	100 % Complete		10	
RIGHT OF WAY ACQUISITION	None Needed	In Progress	All acquired	Not yet started	10	
CONSTRUCTION READY	Design Complete Environmental Complete ROW Certified	-Not yet started			20	
<b>TOTAL TARGET DELIVERY</b>						<b>0</b>

**SCORING RESULTS**

SAFETY	0.0
MOBILITY & ACCESSIBILITY	0.0
PRESERVATION	0.0
REGIONAL SIGNIFICANCE	0.0
FREIGHT MOVEMENT & ECONOMIC VITALITY	0.0
Project Scoring Criteria Page 3 (Maximum of 80)	0.0
Target Delivery Criteria Page 4 (Maximum of 20)	0.0
<b>TOTAL ACCUMULATIVE SCORE</b>	<b>0.0</b>
Total Maximum = 100	

Reviewer Comments:

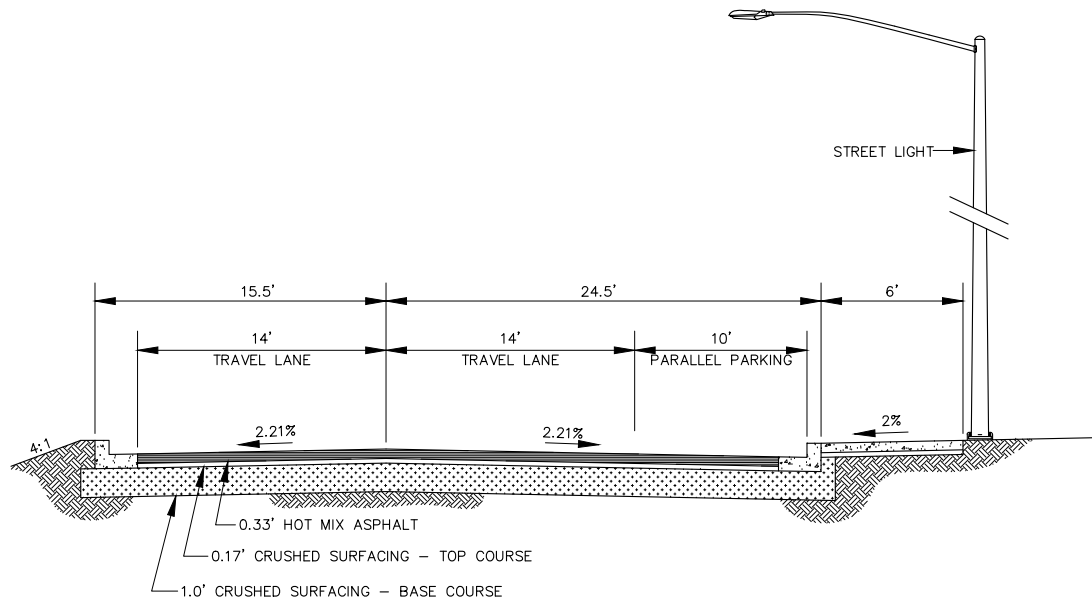


2803 River Road  
 Yakima, WA 98902  
 509.966.7000  
 Fax 509.965.3800  
 www.hlacivil.com

# CITY OF PROSSER

## BENNETT AVENUE IMPROVEMENTS

### VICINITY MAP



**TYPICAL ROADWAY SECTION**

NOT TO SCALE



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**CITY OF PROSSER**  
BENNETT AVENUE IMPROVEMENTS  
TYPICAL ROADWAY SECTION

**CITY OF PROSSER**  
**Bennett Avenue Reconstruction - Florence Street to 6th Street**  
**Engineer's Opinion of Construction Cost**

4/7/2017

HLA Project No. 17003G

Item No.	Description	Payment Specification	Unit	Unit Cost	Overall Quantity	Overall Cost	
1	Minor Change	1-04.4(1)	FA	\$15,000.00	1	\$15,000.00	
2	Mobilization	1-09.7	LS	\$132,000.00	1	\$132,000.00	
3	Project Temporary Traffic Control	1-10.5	LS	\$65,000.00	1	\$65,000.00	
4	Unclassified Excavation Incl. Haul	2-03.5	CY	\$18.00	6,500	\$117,000.00	
5	Crushed Surfacing Base Course	4-04.5	TON	\$26.00	8,200	\$213,200.00	
6	Crushed Surfacing Top Course	4-04.5	TON	\$30.00	1,300	\$39,000.00	
7	HMA Cl. 1/2-Inch PG 64-28	5-04.5	TON	\$95.00	2,600	\$247,000.00	
8	Storm Sewer Pipe 12 In. Diam.	7-04.5	LF	\$55.00	420	\$23,100.00	
9	Underdrain Pipe Infiltration Trench System 12 In. Diam.	7-04.5	LF	\$125.00	900	\$112,500.00	
10	Catch Basin Type 1	7-05.5	EA	\$1,300.00	18	\$23,400.00	
11	Pretreatment Manhole 48 In. Diam.	7-05.5	EA	\$10,000.00	9	\$90,000.00	
12	Shoring or Extra Excavation	7-08.5	LF	\$1.00	900	\$900.00	
13	Select Backfill, as Directed	7-08.5	CY	\$50.00	50	\$2,500.00	
14	Adjust Manhole	7-05.5	EA	\$500.00	8	\$4,000.00	
15	Adjust Valve Box	7-12.5	EA	\$450.00	9	\$4,050.00	
16	Landscape Restoration	8-02.5	FA	\$5,000.00	1	\$5,000.00	
17	Cement Conc. Traffic Curb and Gutter	8-04.5	LF	\$15.00	5,300	\$79,500.00	
18	Monument Case and Cover	8-13.5	EA	\$550.00	5	\$2,750.00	
19	Cement Conc. Sidewalk 6-Inch Thick	8-14.5	SY	\$65.00	125	\$8,125.00	
20	Cement Conc. Sidewalk 4-Inch Thick	8-14.5	SY	\$55.00	1,700	\$93,500.00	
21	Cement Conc. Curb Ramp	8-14.5	EA	\$1,400.00	11	\$15,400.00	
22	Illumination System, Complete	8-20.5	LS	\$100,000.00	1	\$100,000.00	
23	Mid-Block Pedestrian Signal		LS	\$20,000.00	1	\$20,000.00	
24	Permanent Signing	8-21.5	LS	\$1,500.00	1	\$1,500.00	
25	Pavement Markings	8-22.5	LS	\$10,000.00	1	\$10,000.00	
26	Paving Fabric	8-26.5	SY	\$2.00	12,000	\$24,000.00	
						Subtotal	\$1,448,425.00
						Contingency 15%	\$217,300.00
						<b>Total Estimated Construction Cost</b>	<b>\$1,665,725.00</b>
<b>Assumptions:</b>							
1. 40' wide TBC to TBC roadway section (0.33' HMA, 0.17' CSTC, 1.0' CSBC)						Design Engineering 15%	\$249,860.00
2. 6' wide sidewalk southeast side						Environmental and Cultural Resources	\$7,500.00
3. Existing roadway and subgrade has 12-Inch depth						WSDOT/CA Review Fees	\$1,500.00
4. 100 LF of infiltration trench per catch basin pairing						Right of Way Acquisition	\$105,000.00
5. Catch basin pairings every 300' ±						Construction Engineering 15%	\$249,860.00
6. Street light spacing every 200' ± southeast side							
7. Does not include replacement or upgrade of utilities							
8. Right of way acquisition and services not included.							
						<b>Total Estimated Project Cost</b>	<b>\$2,279,445.00</b>

**Breakout of TAP Project Cost (included in estimate above)**

Item No.	Description	Payment Specification	Unit	Unit Cost	Overall Quantity	Overall Cost	
4	Unclassified Excavation Incl. Haul	2-03.5	CY	\$18.00	1060	\$19,080.00	
17	Cement Conc. Traffic Curb and Gutter	8-04.5	LF	\$15.00	2650	\$39,750.00	
19	Cement Conc. Sidewalk 6-Inch Thick	8-14.5	SY	\$65.00	125	\$8,125.00	
20	Cement Conc. Sidewalk 4-Inch Thick	8-14.5	SY	\$55.00	1,700	\$93,500.00	
21	Cement Conc. Curb Ramp	8-14.5	EA	\$1,400.00	11	\$15,400.00	
23	Mid-Block Pedestrian Signal		LS	\$20,000.00	1	\$20,000.00	
						Subtotal	\$195,855.00
						Contingency 15%	\$29,400.00
						<b>Total Estimated Construction Cost</b>	<b>\$225,255.00</b>
						Design Engineering 15%	\$33,790.00
						Environmental and Cultural Resources	\$7,500.00
						WSDOT/CA Review Fees	\$1,500.00
						Right of Way Acquisition	\$105,000.00
						Construction Engineering 15%	\$33,790.00
						<b>Total Estimated Project Cost</b>	<b>\$406,835.00</b>