

Project Sponsor:	City of Langley	
Project Name:	DeBruyn Avenue and First Street Sidewalk Improvements	
Project Manager:		
Name:	Stan Berryman, Public Works Director	
Phone:	360.221.4246 x13	
Email:	sberryman@langleywa.org	
Does your agency have Certification Acceptance status?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Is this project in an urban area: (Refer to this map to determine if project is located within urban area)	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Is this project included in or consistent with the Regional Transportation Plan?	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Does this project applicable to at least one eligible Transportation Alternatives category?  
(select all that apply)

<input checked="" type="checkbox"/>	Construction, planning, and design of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation.	<input type="checkbox"/>	Construction of turnouts, overlooks, and viewing areas.
<input checked="" type="checkbox"/>	Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs.	<input checked="" type="checkbox"/>	Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to: <ul style="list-style-type: none"> <li>• address storm water management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff; or</li> <li>• Reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or aquatic habitats.</li> </ul>
<input type="checkbox"/>	Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users.	<input type="checkbox"/>	The recreational trail program under 23 USC 206
<input type="checkbox"/>	Community improvement activities, including: <ul style="list-style-type: none"> <li>• Inventory, control, or removal of outdoor advertising; historic preservation and rehabilitation of historic transportation facilities;</li> <li>• Vegetation management practices in transportation rights-of-way to improve roadway safety, prevent against invasive species and provide erosion control;</li> <li>• Archeological activities relating to impacts from implementation of transportation projects eligible under 23 USC.</li> </ul>	<input type="checkbox"/>	The safe routes to school program under Section 1404 of SAFETEA-LU.
<input type="checkbox"/>	Planning, designing, or constructing boulevards and other roadways largely in the right-of-way of former Interstate system routes or other divided highways.	<input type="checkbox"/>	Workforce development, training, and educational activities are also eligible uses of TAP funds (Sec. 52004; 23 USC 504(e).

Is this project listed in project sponsor's current six-year TIP?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
If TAP funds are requested for construction of project, does it include a minimum of \$150,000 in TAP or other federal funds?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
When is the soonest this project can be obligated?	mo/yr	11/16
If requested amount of TAP funds are awarded, will it be enough to complete construction of the project?	<input checked="" type="radio"/> Yes	<input type="radio"/> No

### Project cost estimates

Phase	Total Phase Cost	TAP Funds Requested
Preliminary Engineering	\$20,000	\$20,000
Right of Way	\$0	\$0
Construction	\$224,595	\$224,595
Total	\$244,595	\$244,595

For the following responses, please describe (using 1000 characters or less) how the proposed projects meet the six regional priorities in the Regional Transportation Plan.

**Economic Vitality:** Describe how this project will promote and develop transportation systems that stimulate, support, and enhance the regional economy.

Tourism is essential for the vitality of many businesses in the City of Langley. City elected officials identified this project as integral missing link to the City's non-motorized transportation network and a priority project. Providing safe, accessible sidewalks supports the City's Comprehensive Plan goals and policies. De Bruyn Avenue and First Street is one of the main connectors between Langley's west residential neighborhood and its downtown business district. The project will extend accessible sidewalks from Park Avenue, west along the south side of First Street, then south on DeBruyn Avenue to Second Street. The new sidewalk enhances pedestrian access to the downtown business district, city municipal services, chamber of commerce, city library, church, city park, beach access, and many other essential services. All within approximately a two to three block radius of the project.

**Preservation:** Describe how this project will maintain, preserve, and extend the life and utility of prior investments in transportation services.

The sidewalk improvements project will extend the utility of the City's current transportation system. Providing multi-modal options of travel accessing the City's business district encourages diverse users into downtown. This supports the City's objective in reinvesting and maintaining mobility for business, residents, and visitors.

The drainage improvements proposed for this project will capture surface runoff, treat, and infiltrate into subsurface soils. The storm water improvements will eliminate surface ponding and the potential for saturating roadway base which can cause localized pavement failure. The low impact development best management practices proposed for the drainage improvements provide a sustainable solution for surface runoff.

**Safety:** Describe how this project will enhance the safety for alternative transportation users and transportation system.

The existing conditions through the project site are unsafe for non-motorized users. Pedestrians are forced into the travel lanes in many locations and this corridor is not ADA accessible. The proposed sidewalk improvements will be separated from the travel lane with a five feet wide bio-infiltration swale providing a buffer between the vehicles and pedestrians. The new sidewalks will be installed consistent with 2005 Prowag guidelines for ADA accessibility. The swale will be design to current AASHTO guidelines for side slope and depth, along with a 2 feet paved shoulder allowing adequate vehicle recovery for this low speed, (25 MPH posted speed), collector.

**Mobility:** Describe how this project will improve the predictable movement of goods and people.

De Bruyn Avenue and First Street is one of the main connectors between Langley's west residential neighborhoods and its downtown business district. The project will extend safe, accessible sidewalks through the project limits expanding the City's current pedestrian mobility into the downtown business district. The project will promote predictable pedestrian use and access to the downtown business district, city municipal services, chamber of commerce, city library, church, city park, beach access, and many other essential services

**Environment:** Describe how this project will promote energy conservation, enhance healthy communities, and/or protect the environment.

The low impact development (LID) best management practices proposed for the drainage improvements provide a sustainable solution for surface runoff. Currently, no drainage improvements exist within the project limits.

**Stewardship:** Describe how investing in this project would be a wise management and investment choice.

The City of Langley is a small but vibrantly diverse community which must rely on outside funding programs to extend their modest local revenue sources to meet their capital improvement needs. This project supports both City and regional transportation system goals and policies. The project promotes a multi-modal option for accessing the City of Langley's many desired community features. The improvements extend safe, accessible pedestrian access into existing residential neighborhoods supporting community requests and provides a sustainable solution for surface runoff.

CITY OF LANGLEY  
 DeBruyn Avenue and First Street Sidewalk Improvements  
 Engineers Project Cost Estimate

Prepared By: PACE Engineers, Inc.  
 Date: August 12, 2016

Item No.	Spec Section	Item Description	Quantity	Unit	Unit Price	Amount
<b>DIVISION/NO.:1: General Requirements</b>						
1	1-04.4	Minor Changes	1	EST	\$ 5,000.00	\$ 5,000.00
2	1-05	Roadway Surveying (1.5%)	1	LS	\$ 3,000.00	\$ 3,000.00
3	1-05	Record Drawings (Minimum Bid of \$1,000.00)	1	LS	\$ 1,000.00	\$ 1,000.00
4	1-07	SPCC Plan	1	LS	\$ 1,000.00	\$ 1,000.00
5	1-07	Utility Potholing	5	EA	\$ 1,000.00	\$ 5,000.00
6	1-09	Mobilization (8%)	1	LS	\$ 15,000.00	\$ 15,000.00
7	1-10	Project Temporary Traffic Control	1	LS	\$ 20,000.00	\$ 20,000.00
8	1-10	Construction Signs, Class A	100	SF	\$ 25.00	\$ 2,500.00
9	1-10	Flaggers	440	HR	\$ 45.00	\$ 19,800.00
<b>DIVISION/NO.:2: Earthwork</b>						
10	2-01.5	Roadside Clean-Up	1	LS	\$ 5,000.00	\$ 5,000.00
11	2-02	Removal of Structures and Obstructions	190	SY	\$ 15.00	\$ 2,850.00
12	2-09.5	Roadway Excavation Incl. Haul	380	CY	\$ 25.00	\$ 9,500.00
<b>DIVISION/NO.:4: Bases</b>						
13	4-04	Crushed Surfacing Top Course	155	TON	\$ 35.00	\$ 5,425.00
<b>DIVISION/NO.:5: Surface Treatments</b>						
14	5-04	HMA Class 1/2" PG 64-22 Roadway Patch	50	TON	\$ 120.00	\$ 6,000.00
<b>DIVISION/NO.:8: Miscellaneous Construction</b>						
15	8-01	Inlet Protection	2	EA	\$ 125.00	\$ 250.00
16	8-02	Hydroseeding	100	SY	\$ 18.00	\$ 1,800.00
17	8-02	Topsoil, Type A	26	CY	\$ 40.00	\$ 1,040.00
18	8-02	Landscaping Bark Mulch	10	CY	\$ 27.00	\$ 270.00
19	8-02	Protection and Restoration of Property	1	FA	\$ 15,000.00	\$ 15,000.00
20	8-05	Bioinfiltration Trench	900	LF	\$ 30.00	\$ 27,000.00
21	8-06	Cement Concrete Driveway Entrance	30	SY	\$ 60.00	\$ 1,800.00
22	8-24	Modular Block Retaining Wall (2 ft. Height)	334	SF	\$ 40.00	\$ 13,360.00
23	8-14	Cement Concrete Sidewalk	500	SY	\$ 40.00	\$ 20,000.00
24	8-22	Paint Line	900	LF	\$ 2.00	\$ 1,800.00
25	8-22	Painted Crosswalk	440	SF	\$ 5.00	\$ 2,200.00

Construction Subtotal \$ 185,595.00  
 Contingency (10%) \$ 19,000.00

Estimated Construction Total: \$ 204,595.00  
 Construction Management and Inspection (12.5%): \$ 20,000.00  
 Design Engineering (12.5%): \$ 20,000.00  
**Estimated Project Total: \$ 244,595.00**

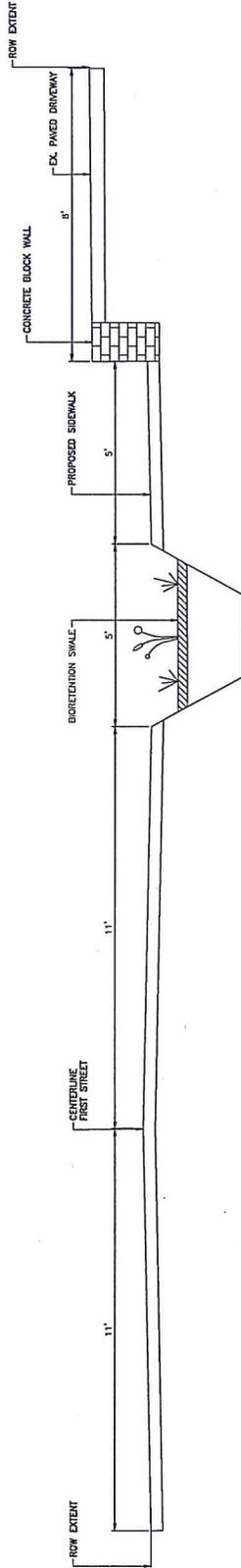
# DeBruyn Ave & First Street Improvements Vicinity Map

Legend  
Langley

Project Limits

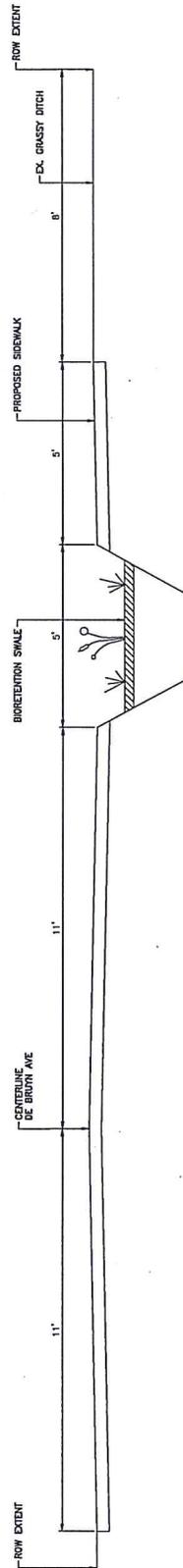


NE 860 12, T24N, R4E, W4M.



FIRST ST TYP. ROADWAY SECTION

NOT TO SCALE



DE BRUYN AVE TYP. ROADWAY SECTION

NOT TO SCALE



HORIZ. 0 10 20 40  
Scale in Feet

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DATE	REVISION