

Transportation Alternatives Program 2019 Application

Instructions

Complete application in the space provided. Applicants are limited to application form and 5 pages of attachments. Submit completed application and attachments electronically to dale.robins@rtc.wa.gov. You will receive an e-mail confirmation within one business day of submittal. If you do not receive confirmation or have questions about the application contact Dale Robins at 564-397-5212.

General Information

Project Title: NE Hazel Dell Avenue Sidewalk Improvements

Project Location and Limits: NE Hazel Dell Avenue (NE 99th Street to NE 117th Street)

Project Length (miles): 0.90

Agency: Clark County Public Works

Contact Person: Christopher Carle

Telephone: 564.397.4523 Email: chris.carle@clark.wa.gov

Certified Acceptance Agency: Clark County

Project Screening Criteria

Check all that apply.

- Project is consistent with the RTP
- Project contains at least one eligible Transportation Alternatives Category
- Project is directly related to the surface transportation system (except trails)
- Project does not supplement the construction of an existing project
- Project is open to public access

Cost Summary

Project Phase	Start Date	TAP Funds	Other Funds	Total Cost
Design	09/01/2019	\$120,000	\$80,000	\$200,000
Right of Way	01/01/2020	\$0	\$50,000	\$50,000
Construction	12/01/2020	\$300,000	\$353,000	\$653,000
Totals	n/a	\$420,000	\$483,000	\$903,000
Overall Match Ratio:				53.49%

Project Type

Check all that apply.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Bike/Pedestrian facilities | <input type="checkbox"/> Vegetation management practices |
| <input checked="" type="checkbox"/> Safe routes for non-drivers | <input type="checkbox"/> Archaeological activities |
| <input type="checkbox"/> Abandoned railroad corridors for trails | <input type="checkbox"/> Environmental mitigation activity |
| <input type="checkbox"/> Turnouts, overlooks, and viewing areas | <input type="checkbox"/> Recreational Trails Program |
| <input type="checkbox"/> Control of outdoor advertising | <input checked="" type="checkbox"/> Safe Routes to School Program |
| <input type="checkbox"/> Historic preservation of transportation facilities | |

Project Information

1. Project Description:

Existing Conditions:

NE Hazel Dell Avenue is an important two-lane urban arterial that carries up to 800 vehicles an hour (9,083 ADT). Vehicle speeds are high and pedestrian/bicycle use is heavy. A recent bike-pedestrian count from a 3-hour observation on April 24, 2018, counted 26 bicyclists and 99 pedestrians. The existing state of the roadway is especially challenging for pedestrians. In sections where sidewalks are missing, pedestrians are forced to walk on the narrow roadway shoulder and/or navigate rough, uneven terrain. Children, parents pushing strollers, people in wheelchairs and elderly pedestrians compete with vehicles and bicyclists for space to walk in the roadway. Cyclists are also challenged by pedestrians walking along the roadway. The shoulders vary in width (4.5-13 feet) on both sides of NE Hazel Dell Avenue, from NE 99th Street to NE 117th Street.

There are a number of schools (both public and private) near NE Hazel Dell Avenue and many students walk alongside and cross the road to get to their schools. Pedestrians of all ages and abilities walk along the corridor. There are transit routes along NE Hazel Dell Avenue, and additional stops on NE 99th Street, including the 99th Street Transit Center, as well as stops south of NE 99th Street.

Project Scope:

This project will:

- Build missing/damaged sidewalk segments and curb ramps to Americans with Disabilities Act (ADA) standards to complete a continuous sidewalk network from NE 99th Street to NE 117th Street.
- Restripe shoulders and add hatching, signage and bike symbols to provide designated bike lanes on both sides of NE Hazel Dell Avenue, from NE 99th Street to NE 117th Street.
- Move existing mid-block crossing at Sacajawea Elementary School south to the intersection at Hazel Dell Avenue and NE 112th Street. Also, crossing treatments will be installed (such as illumination or a Rapid Flashing Beacon) at NE Hazel Dell Avenue and NE 112th Street and/or NE 110th Street.

Project Benefits:

This project:

- Extends the pedestrian transportation network on Hazel Dell Avenue, from Main Street north to NE 117th Avenue, connecting to existing transportation network at the northern and southern project termini.
- Provides designated bike lanes on both sides of NE Hazel Dell Avenue and extends the existing bike lanes on Hazel Dell Avenue. Hazel Dell Avenue is a major north/south route that extends from the City of Vancouver's Main Street to NE 117th Street.
- Improves safety for the crossing at Sacajawea Elementary School by eliminating a mid-block crossing and adding an intersection crossing with enhanced crossing treatments.
- Improves vehicular, bicyclist and pedestrian mobility while significantly enhancing safety for all transportation modes.
- Improves travel options for people to get to schools, shopping, transit centers and stops, church, their homes, and other local destinations outside of the project limits such as: Columbia River High School, Sunshine Daycare, Sunshine Elementary School, Sacajawea Elementary School, Hazel Dell Kinder Care North, Highgate Senior Living, Grocery Outlet, Dollar Tree, Dutch Brothers, Mimi's Laundromat, Planet Fitness gym, as well as other major retail destinations along/adjacent to this route.
- Allows for Vancouver School District to drop two or more bus stops along this route for Sacajawea Elementary School within their walking area.

Project Information

2. Describe how the project will improve the public travel experience, and travel options, including the benefit to the community:

This project will remove pedestrians from the roadway to allow pedestrians an alternative to walking in the roadway, thereby eliminating pedestrian-vehicle conflicts and pedestrian-bicycle conflicts. This project also improves vehicular, bicyclist and pedestrian mobility to enhance safety for all users. The project will benefit the community by allowing better pedestrian access to their homes, schools, shops, transit and parks while increasing opportunity for walking for exercise and recreation.

This project will create a continuous sidewalk route through this major north/south corridor, extending the existing sidewalk network. Re-striping the existing shoulders will provide designated bike lanes on both sides of Hazel Dell Avenue and will extend the existing bike lanes from NE 99th Street to NE 117th Street completing the bicycle route gap. NE 117th Street further connects west toward Felida and east to the 35-acre Salmon Creek Regional Park. At the southern termini, the project will connect to existing sidewalk and bike lanes, southward into the City of Vancouver to Main Street. This connection allows further opportunity for pedestrian and bicycle travel to shops, restaurants, medical offices, apartment and senior living complexes, and the Burnt Bridge Creek and Discovery Trails, south of NE 99th Street.

3. Describe how the project provides a connection between modes, or improves transportation choices, or connects to land use services such as job locations, a civic center, library, grocery market, playground, retail center, medical office, school, and other. (Include modes and list of specific land uses connect within 1/2 mile of project):

These improvements will further extend the transportation network on Hazel Dell Avenue from Main Street north to NE 117th Street, and connect further west toward Felida and east to the 35-acre Salmon Creek Regional Park and shopping and transit on Highway 99. This project provides the connection between the existing urban network on NE 99th Street and NE 117th Avenue with Columbia River High School, Sonshine Daycare, Sonshine Elementary, Sacajawea Elementary, Hazel Dell KinderCare North, Highgate Senior Living, Grocery Outlet, a laundromat and other major retail destinations along this route. In addition, Sacajawea Elementary School may be able to drop two or more bus stops along this route following project construction.

This project will provide a continuous sidewalk network, connecting to additional pedestrian and bicycle routes. It creates further options to walk and bike to C-Tran bus routes, the 99th Street Transit Center, jobs, shopping, medical offices and restaurants. This project will relocate the mid-block crossing at Sacajawea Middle School and enhance its crossing treatments adding an RRFB at NE 112th Street and/or NE 110th Street, per the Clark County Pedestrian Crossing Treatment Policy.

Project Information

4. Describe how the project relates to an adopted plan such as the GMA plan, modal plan, neighborhood plan or other planning process. (Include name of Plan and attach a copy of page from plan that including project by name):

Specific adopted Clark County plans include:

- Clark County Pedestrian Crossing Treatment Policy
- 2019-2024 Transportation Improvement Plan (Sidewalks and ADA Compliance Program)
- 2016-2035 Comprehensive Growth Management Plan
- Clark County 2010 Bicycle and Pedestrian Master Plan
- Document Clark County Regional Trail Plan
- Heritage Trail Plan
- Clark County Complete Streets
- Burnt Bridge Creek Trail & Discovery Trail (approximately 2 miles south of NE 99th Street)

5. Describe to what extent the project will improve mobility for disadvantage populations, including elderly, disabled minority, and low income populations:

Building this project will provide a walking route for pedestrians, rather than requiring them to traverse rough and uneven terrain or be forced to compete with vehicles in the roadway. ADA compliant sidewalks will be built at the missing segments, along with ADA-compliant sidewalk curb ramps at intersections. A retaining wall will be built along NE Hazel Dell Avenue where needed in order to address the elevation cut needed to install ADA compliant ramps. In addition, ADA deficiencies in existing sidewalk (such as large cracks and settlement) will be repaired or replaced.

More than 40 percent of nearby residents live below the poverty line. This project will provide a pedestrian route for those who may not have access to an automobile and rely on this intermittent sidewalk path for walking and biking to shopping centers, bus stops and schools.

C-Tran operates three bus stops directly on this segment of NE Hazel Dell Avenue, as well as stops on NE 105th Street, NE 9th Avenue, NE 9th Avenue and the 99th Street Transit Center. This project will provide a direct route of travel for those who walk to these C-Tran stops.

6. List affordable house complex and number of housing units that are within 1/2 mile of project:

The large number of residents living below the federal poverty level suggests that there is affordable housing in the area. These low-income populations would benefit from this sidewalk project with improved access to transit, shopping, employment, recreation, medical facilities, schools and Salmon Creek Regional Park.

Project Information

7. Identify the safety issues addressed by project (collision data, lack of adequate safe crossing or access, lack of separated facility, high speed or volume, other):

Lack of a continuous separated sidewalk and bike lanes on Hazel Dell Avenue creates the following safety issues:

- Pedestrians are forced onto roadway due to intermittent/dead end sidewalk and rough roadway edge terrain.
- Pedestrian dangerously come into conflict with vehicles and bicyclists in the roadway.
- This also adds to congestion along busy Hazel Dell Avenue.
- Some school crossings are poorly located and marginally protected.
- Damaged, substandard or missing ADA ramps are a tripping hazard and hinder travel for the disabled.
- Dangerously excessive speeds noted during peak hours with 373 vehicles traveling faster than 40 MPH daily.

8. Describe how the project addresses the safety issues identified:

This project will build missing sidewalk segments allowing for a complete sidewalk from NE 99th Street to NE 117th Street. Shoulders will be restriped for designated bike lanes. The construction of this sidewalk and restriping improves pedestrian safety by removing pedestrians from the roadway. Pedestrian-bicycle and pedestrian-vehicle conflicts are eliminated thereby reducing the potential for accidents.

The existing mid-block crossing at Sacajawea Elementary School will be moved south to NE 112th Street and crossing treatments will be enhanced, such as illumination or a Rapid Flashing Beacon. We will work with Vancouver School District to modify access to the school property to improve safety and connectivity. The NE 110th Street crossing will also be considered to add crossing enhancements such as an RRFB.

Adding missing and repairing/retrofitting damaged ADA ramps will provide a smoother transition to the street crossings and safer sidewalk for wheelchair bound residents and pedestrians with strollers.

Striping bike lanes will visually reduce the roadway width, which has been shown to reduce vehicular speed.

9. Readiness:

- Design at 70% or higher
- Right of way acquisition complete or not needed
- Environmental permits approved

Please explain:

Right of way acquisition: Property acquisition is minimal. Two small strips of right-of-way adjacent will need to be purchased to allow for sidewalk.

Permitting: The environmental permitting process will begin with the approval of the 50 percent construction plan set in 2020, if funds are awarded.

Construction: Construction is planned for 2022/2023 following completion of the design and right-of-way phases.

Project Information

10. Describe how the local community and other agencies have been involved in the planning process for the project.

List any opposition to the project and how it was overcome:

The Vancouver School District supports this project as it provides an upgraded, safe and walkable route for students and all pedestrians. Clark County has had previous conversations with the Vancouver School District and will be meeting in a few days to go over the project's final concept. The Vancouver School District has confirmed they will be providing a letter of support for this project.

The Clark County Bicycle and Pedestrian Advisory Committee also supports the project. A committee member took bike-pedestrian counts on April 24, 2018 for efforts in submitting a previous Pedestrian and Bicycle grant.

11. Describe how the project improves public health and increase physical activity:

Constructing the missing sidewalk segments and curb ramps per ADA standards will allow for a continuous, navigable sidewalk on the busy Hazel Dell Avenue corridor from NE 99th Street to NE 117th Street. This project creates a continuous walkable sidewalk for safer pedestrian travel. The project will provide local residents the ability to walk to nearby businesses, transit stops and access to additional destinations. Before this project pedestrians had to physically walk on the roadway. Providing continuous connectivity of separated sidewalk will offer pedestrians a safer path network. The sidewalk project will support and encourage pedestrians to walk for recreation and exercise, in addition to travel.

12. Describe how the project includes design elements that contribute to quality of life:

The addition and continuous sidewalk network will create a safer pedestrian route for residents who do not have access to vehicles. Having this extended network will allow direct access to transit stops, shopping, medical facilities, schools, the Salmon Creek Regional Park and businesses outside of the project area. ADA upgrades also provides a better network for those who rely on wheelchairs, are visually challenged, and for pedestrians with strollers.

Moving the mid-block school crossing and enhancing crossing treatments will improve sight distance, visibility and safety for all pedestrians.

A continuous off-road sidewalk removes pedestrians from the roadway to greatly enhance safety and mobility. This will lessen on-road congestion and eliminate on-road pedestrian-vehicle conflicts and pedestrian-bicycle conflicts.

Project Information

13. List all funding partners contributing to the project:

Funding Source	Amount
Clark County – County Road Fund	\$483,000

Other Information

You may use this space to provide any additional project information considered worth noting:

The Vancouver School District, Clark County Bicycle and Pedestrian Advisory Committee, neighborhood groups and citizens from the surrounding area highly support this project. Clark County has had previous conversations with the Vancouver School District and will be meeting in a few days to go over the project's final concept. The Vancouver School District has confirmed they will be providing a letter of support for this project.

NOTE: Clark County submitted an application for this project for a 2018 Pedestrian and Bicycle grant and not awarded.

CLARK COUNTY PUBLIC WORKS

Ped/Bike: Hazel Dell Ave
 Preliminary Scoping Construction Costs

4/30/2019

BA

Estimate Assumptions

- Sidewalk built at existing grade
- GIS topo, changes to actual ground conditions may affect position and wall sections
- Pervious sidewalk and infiltration is feasible
- Some pervious sidewalk areas may need to be replaced with regular sidewalk in lower-quality soils
- No significant environmental mitigation required
- Unit costs for items derived from prior bid calculations, WSDOT unit costs and professional experience

BID ITEMS

Bid Item Number	BID ITEM IDENT. NO.	SPEC. SECTION	Bid Item Description	Unit	Quantity	Unit Price	Total
1	101.07	1-09.7	MOBILIZATION	L.S.	1	10.00%	\$38,000.00
2	105.50	1-05.4	CONSTRUCTION SURVEYING	L.S.	1	\$10,000.00	\$10,000.00
3	107.15	1-07.15	SPCC PLAN	L.S.	1	\$1,000.00	\$1,000.00
4	110.00	1-10	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	1	\$12,300.00	\$12,300.00
5	201.01	2-01	CLEARING AND GRUBBING	L.S.	1	\$3,000.00	\$3,000.00
6	202.00	2-02	REMOVAL STRUCTURE AND OBSTRUCTIONS	L.S.	1	\$2,500.00	\$2,500.00
7	203.01	2-03	ROADWAY EXCAVATION INCL. HAUL	C.Y.	460	\$30.00	\$13,800.00
8	203.10	2-03	COMMON BORROW INCL. HAUL	C.Y.	70	\$30.00	\$2,100.00
9	212.40	2	IMPERVIOUS LINER	S.Y.	210	\$25.00	\$5,250.00
10	404.08	4-04	PERMEABLE BALLAST	C.Y.	210	\$55.00	\$11,550.00
11	404.21	4-04	CRUSHED SURFACING RESERVOIR COURSE	C.Y.	120	\$70.00	\$8,400.00
12	404.23	4-04	CRUSHED SURFACING CHOKER COURSE	C.Y.	30	\$60.00	\$1,800.00
13	801.40	8-01	SEEDING AND MULCHING (Roadside)	ACRE	0.10	\$7,500.00	\$750.00
14	802.01	8-02	TOPSOIL TYPE A	C.Y.	70	\$45.00	\$3,150.00
15	804.06	8-04	CEMENT CONC. PEDESTRIAN CURB	L.F.	314	\$30.00	\$9,420.00
16	806.31	8-06	CEMENT CONC. APPROACH	S.Y.	100	\$100.00	\$10,000.00
17	814.05	8-14	CEMENT CONC. CURB RAMP	S.Y.	190	\$130.00	\$24,700.00
18	814.54	8-14	DETECTABLE WARNING SURFACE	S.F.	48	\$35.00	\$1,680.00
19		8-14	PERVIOUS CEMENT CONC. SIDEWALK	S.Y.	1,090	\$80.00	\$87,200.00
20		8-24	GRAVITY BLOCK WALL	S.F.	1,800	\$40.00	\$72,000.00
21			UTILITY CONFLICTS	L.S.	1	\$5,000.00	\$5,000.00
22			STRIPING AND SIGNAGE	L.S.	1	\$14,380.00	\$14,380.00
23			ILLUMINATION SYSTEM	L.S.	1	\$80,000.00	\$80,000.00
SUBTOTAL							\$417,980.00
CONTINGENCIES						30.00%	\$125,394.00
TOTAL							\$543,374.00

TOTAL ESTIMATED PROJECT CONSTRUCTION COST	\$543,374.00
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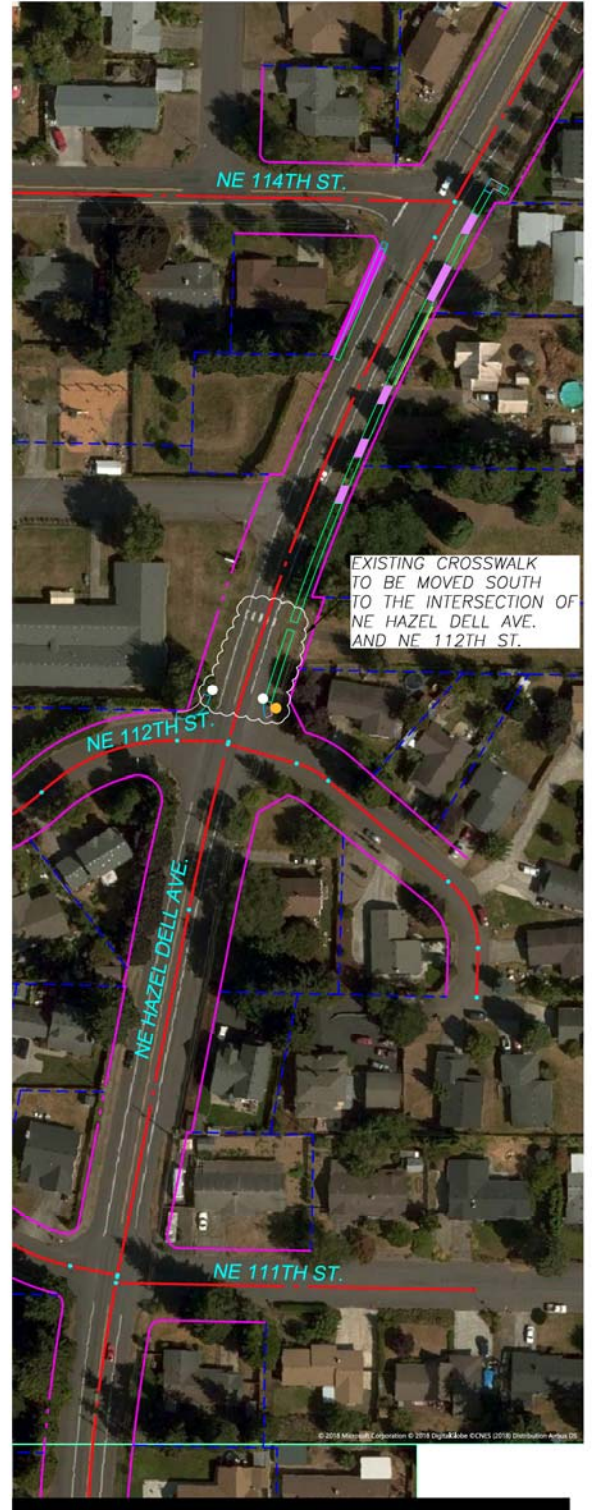


Attachment 2: Project Plan View NE Hazel Dell Avenue Sidewalk

MATCH LINE - A



MATCH LINE - B



MATCH LINE - A

MATCH LINE - B



Clark County
NE Hazel Dell Avenue Sidewalk

LEGEND:

	EXISTING RIGHT OF WAY		PROPOSED DRIVEWAY
	EXISTING PROPERTY LINE		RIGHT OF WAY ACQUISITION
	PROPOSED SIDEWALK		CURB RAMP
	PROPOSED WALL		ILLUMINATION LOCATION
			RECTANGULAR RAPID FLASH BEACON

NE Hazel Dell Avenue Sidewalk Improvements Project Photos:

NE Hazel Dell Avenue adjacent to Hazel Dell Kinder Care North :



Intermittent sidewalk ends abruptly.

NE Hazel Dell Avenue at NE 103rd Street:



Intermittent sidewalk ends and curb ramps non-compliant/missing.



Clark County Public Works
NE Hazel Dell Avenue Sidewalk Improvements Project
(NE 99th Street – NE 117th Street)

NE Hazel Dell Avenue Sidewalk Improvements Project Photos:

NE Hazel Dell Avenue south of NE 105th Street:



Rough, uneven terrain forces pedestrians onto the roadway.

NE Hazel Dell Avenue north of NE 106th Street:



Intermittent sidewalk ends abruptly.



Clark County Public Works
NE Hazel Dell Avenue Sidewalk Improvements Project
(NE 99th Street – NE 117th Street)

NE Hazel Dell Avenue Sidewalk Improvements Project Photos:



Existing damaged sidewalk to be replaced.

NE Hazel Dell Avenue Sacajawea Elementary School Crossing:



Existing mid-block school crossing will be moved south to NE 112th Street.



Clark County Public Works
NE Hazel Dell Avenue Sidewalk Improvements Project
(NE 99th Street – NE 117th Street)