Walking Audit

Mukilteo Elementary Mukilteo School District

2600 Mukilteo Speedway Mukilteo, WA 98275

April 2015









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Overview:

In 2012, the District's Public Health Advisory Council evaluated more than 80 health indicators for Snohomish County. The 27 indicators with the worst risk scores were then evaluated in terms of their size, seriousness, the existence of evidence-based practices/community interventions, and whether there are community values attached to the issue. Using these criteria, the members of the Council chose priority health issues in need of community action. One of these priority issues was obesity prevention. Obesity affects 27% of adults and 11% of children in Snohomish County, double the 1994 obesity rates. It is a contributing factor to heart disease, certain cancers, and diabetes. There is a need for coordinated efforts that will increase physical activity and improve nutritional quality in Snohomish County. The Health District embarked on a collaborative effort with community partners and key stakeholders to develop community health improvement plans (CHIPs) for priority areas. In an effort to meet the obesity prevention objective of "Increasing school-based best-practice policies that promote physical activity for children and families in a minimum of three Snohomish County school districts" the collaborative identified the need to conduct a county-wide assessment of current physical activity practice and policies in elementary schools in order to identify districts or schools with the greatest need. A walking audit of all elementary schools in Snohomish County is one element of this assessment.

Methodology:

Each school's surrounding neighborhoods were visited. Walking maps required of schools were also collected, analyzed, and verified. Notes and photographs were taken on pedestrian infrastructure surrounding the school campus. At least one site visit was conducted at school arrival or dismissal to observe student arrival/release, bus, and traffic pick-up patterns. Based on the information collected and observed, assets were identified and recommendations for improving walkability were documented.

Auditors were supplied with maps, clipboards, Health District IDs, and digital cameras. Their notes and photo documentation were compiled into this final report to be made available to school, district, and city officials.

Community Resources:

School Principal:

District Superintendant:

Marci Larsen, 425.356.3100

Marci Larsen, 425.356.1274

District Transportation Director: Cindy Steigerwald, 425.356.1258

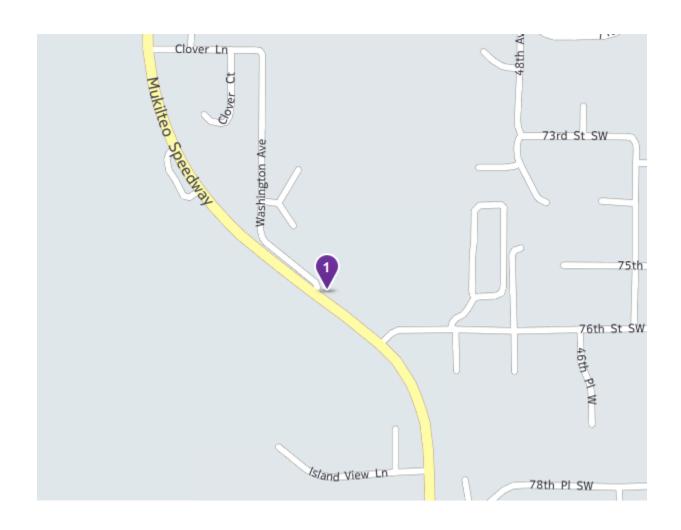
City Planning & Public Works Director: Glen Pickus, 425.263.8042
Health District Staff: Carrie Parker, 425.339.8634

Safe Routes to School Website: http://www.wsdot.wa.gov/LocalPrograms/SafeRoutes

Mukilteo Elementary School Walking Audit

Neighborhood Reference Map:

2600 Mukilteo Speedway, Mukilteo, WA 98275



<u>School-Recommended Walking Routes</u>:



Walking Audit Notes:

Street/Intersection	Observations	Recommendations	Photo
Mukilteo Speedway	Mukilteo Speedway is a very fast moving, congested highway. There are shoulders, but no sidewalks on either side of the street. There is one crossing of the Speedway for students. It is very difficult to see. Indicator signs are low and not visible as you approach in heavier traffic. Office staff and crossing guard indicated there have been several near-miss incidences in this crosswalk.	Improve visibility of crosswalk.	

Washington Ave

Washington Avenue has sidewalks on the east side (school side), but not the west. Most walkers approach from stairs/trail leading to neighborhoods and cross at crosswalk just south of school exit drive. There is a very faded crosswalk, signage at a guard at this crossing.

Illegal parking on this street by parents looking to avoid the traffic of drop off is a problem! Restricts visibility and forces traffic exiting the school to turn wide in to oncoming lanes that have poor visibility due to sharp bend on north end of the street. Refresh paint on crossing (almost completely gone).

Enforce parking regulations, especially to the north of school.





70 th Place SW & Goat Trail Road	Sidewalks present on 70 th PI SW and on the east side of Goat Trail Rd. This intersection has an unmanned crosswalk. It is a low-traffic road.	Refresh paint on crosswalk.	
70 th Street SW	Flashing "school zone" sign. 70 th becomes 48 th Ave W, after this there is no sidewalk and a narrow shoulder.	Install sidewalk on 48 th Ave W.	

49 th Avenue W & 70 th Street SW	Crosswalk and "Stop for pedestrians" sign at this intersection. Low traffic road but speeding was observed during audit.	Refresh paint on crosswalk.	STATE
71 st Place SW & 48 th Avenue W	Unmanned crosswalk with worn paint. Speeding traffic observed during audit.	Refresh paint on crosswalk.	
School Driveway (Approach from Mukilteo Speedway)	The entrance to this school is a long two lane, one way drive from Mukilteo Speedway. All traffic enters here. It was very busy, but there is a sidewalk approach that runs right along the neighboring middle school and is well buffered from traffic (though there is a unmanned, unmarked crossing to access this).		

School access paths There are a number of excellent access paths connecting neighborhoods to the north and east with Mukilteo Elementary. This connectivity means students can avoid roads entirely, as well as shorten their transit time to school. Continue to maintai paths, and require not to be built with any construction.	new ones
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Bus and Drop Off/Pick Up Traffic Notes:

Bus and parent pick up both enter from the Mukilteo Speedway, split to different drop off/pick up curbs and then exit on to Washington Ave. Parent traffic was very heavy, though both seemed to run relatively smooth for campus capacity. There was some crossing of the bus lane (runs between the parent parking lot and the school curb) that could be a hazard. There is a non-manned crosswalk for this purpose.





Bicycling Notes:

Does the school provide bike racks?	✓ Yes	□ No	
Are they covered?	□ Yes	√ No	
Are they in good repair?	✓ Yes	□ No	A December 1
Is capacity adequate?	✓ Yes	□ No	Gammag 51
Are there designated bike lanes around the school?	□ Yes	√ No	

Additional Comments: School requires that students are in at least the third grade in order to bike or scooter to school. Helmets are required and bike and scooters are to be walked on school grounds.

Summary & Recommendations

Top Observations:

- 1. The crossing over Mukilteo Speedway was one of the most hazardous that we have observed in the county. Visibility of crossing and guard are very poor even on a clear day (no rain, no fog). Traffic was heavy and fast. Crosswalk signs are difficult to see and invisible for cars travelling behind larger vehicles.
- 2. Cars illegally park on the curb north of the school exit on to Washington Avenue. This creates a substantially hazard as cars and buses exiting right of the school have to turn wide to avoid parked cars in to the oncoming lane which comes blindly around the bend. Illegal parking around the Washington Avenue exit also restricts visibility of the crosswalk just south of the turnout.



Top Recommendations:

- 1. Re-install overhead crosswalk indicator and/or flashing ground lights on Mukilteo Speedway crossing.
- 2. Increase law enforcement and permanent visible "No Parking" indicators on Washington Avenue, especially north (right) of the school turnout.
- 3. Refresh paint on Washington Avenue crossing.

Auditor: Carrie Parker, BS MSHS Keri Moore, BA MPH

Walking Audit

Columbia Elementary Mukilteo School District

10520 Harbour Pointe Blvd Mukilteo, WA 98275

September 2015









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Overview:

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Methodology:

Each school's surrounding neighborhoods were visited. Walking maps required of schools were also collected, analyzed, and verified. Notes and photographs were taken on pedestrian infrastructure surrounding the school campus. At least one site visit was conducted at school arrival or dismissal to observe student arrival/release, bus, and traffic pick-up patterns. Based on the information collected and observed, assets were identified and recommendations for improving walkability were documented.

Auditors were supplied with maps, clipboards, Health District IDs, and digital cameras. Their notes and photo documentation were compiled into this final report to be made available to school, district, and city officials.

Community Resources:

School Principal: Wendy Eidbo, 425.366.2600
District Superintendant: Marci Larsen, 425.356.1274

District Transportation Director: Cindy Steigerwald, 425.356.1258

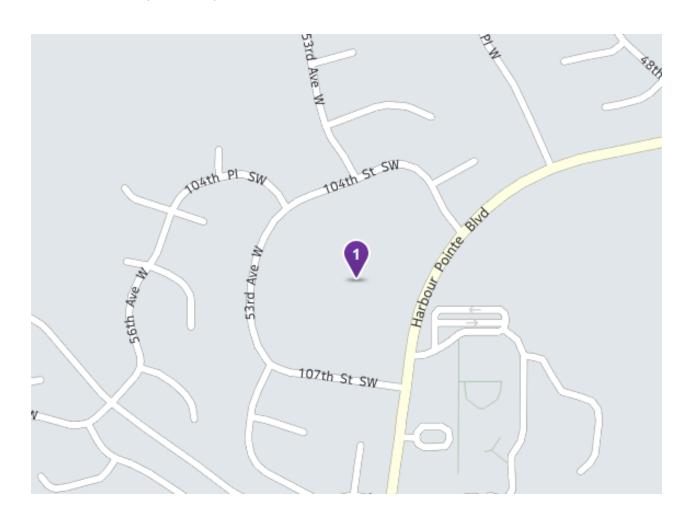
City Planning & Public Works Director: Glen Pickus, 425.263.8042
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Safe Routes to School Website: http://www.wsdot.wa.gov/LocalPrograms/SafeRoutes

Columbia Elementary School Walking Audit

Neighborhood Reference Map:

10520 Harbour Pointe Boulevard, Mukilteo, WA 98275



School-Recommended Walking Routes:



School Walking Policy:

Bus service is not available within one mile radius. Walking is at parent discretion.

Walking Audit Notes:

Street/Intersection	Observations	Recommendations	Photo
Harbour Pointe Boulevard	Busy road but with excellent sidewalks, wide buffers, and multiple types of school zone signage (there are three schools in a row on this road).		
53 rd Avenue W & 104 th Place SW	Neighborhood intersection crossing to school access trail on west side of school campus. Sidewalks on one side of both streets and well marked crossing. Unmanned. Low traffic.		

Neighborhood Access Trail	Well maintained and well traveled trail accessing school grounds from the west for surrounding neighborhoods.	
Harbour Pointe Blvd & 107 th Street SW	Well marked, unmanned crossing. 3-way intersection (most walkers would be crossing 107 th Street SW, not Harbor Pointe Blvd). 107 th Street SW is a sidewalked, low traffic, residential street.	

Harbour Pointe Blvd & 108 th Street SW	Well marked, unmanned crossing. 3-way intersection (most walkers would be crossing 108 th Street SW, not Harbor Pointe Blvd). 108 th Street SW is a sidewalked, low traffic, residential street.		
Harbour Pointe Blvd & Chennault Beach Drive	High traffic crossing. Well marked and staffed.	Due to traffic volume (including nearby high school traffic) crossing would benefit from lighted signage/alerts. City committed to this and even installed cabling years ago, but still no flashing signal light is present. Recommend finishing project for pedestrian safety.	

Bus and Drop Off/Pick Up Traffic Notes:

Columbia Elementary has three regular bus routes, but 12 to 15 buses that transport special needs students for their special education programs. Bus drop off/pick up occurs in the circular parking lot off Harbour Pointe Blvd, to the east and is completely separate from parent traffic areas. While it is a high volume of buses, congestion was minimal and there was a lot of staff presence at the bus area to assist with students coming on to school grounds. There was some parent traffic observed attempting to use this lot to avoid the more congested parent lot, but they were quickly diverted by staff and students were not allowed to exit parent vehicles on this side. There is good sidewalk and school entrance access from this area. There is a crossing at the entrance of the bus lot that was staffed by student crossing guards.





Parent drop off/pick up occurs in an identical circular lot off of Harbour Pointe Blvd to the west. Instructions for parent traffic and parking were available and visible in the main office (*see following page*). There are two lanes designated for drop off and one thru-lane. There was considerable parent traffic for such a highly walkable school/surrounding areas causing high congestion and back up on to Harbour Pointe Blvd. There is good sidewalk and school entrance access from this area. There is a crossing at the entrance of the parent lot that was staffed by student crossing guards.

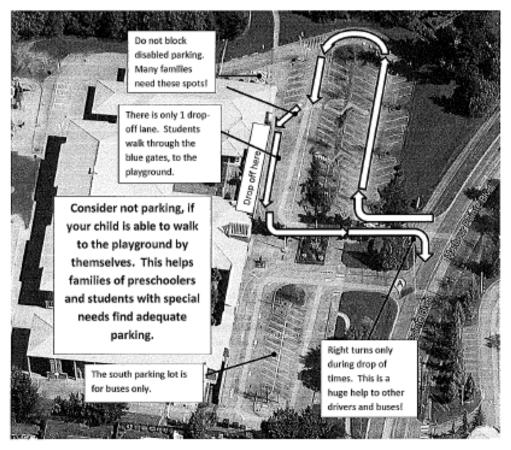




Columbia Elementary Student Drop Off Process

Every day we have students who ride buses, walk and who are picked up by vehicle. In addition, we share our parking lot with over a dozen bus routes. Coordinating the pick-up process is important so that we can ensure the safety of all students and have the system run efficiently.

If you pick up your child from school, please follow the procedures below and always remain patient. When everyone works together and does their part, the whole process is safely completed in only 15 minutes. Remember, your child will raise his/her hand to indicate you have arrived in the pick-up lanes, and staff will walk your child to your vehicle.



- · Do not idle over disabled parking spots or crosswalks.
- Remain with your vehicle at all times. Our loading area doubles as a fire lane.
- When leaving the parking lot, do <u>not</u> make left turns, even if you think the coast is clear. Making left turns is unfair to other drivers and buses, because it inevitably backs up traffic and slows down the pick-up process.

Bicycling Notes:

Does the school provide bike racks? ✓ Yes □ No

Are they covered? □ Yes ✓ No

Are they in good repair? ✓ Yes □ No

Is capacity adequate? ✓ Yes □ No

Are there designated bike lanes around the school? □ Yes ✓ No



Additional Comments:

Columbia has no official biking policy. Riding to school is at parent discretion. School reports a fair amount of bikers and recently installed a third bike rack to accommodate volume.

Summary & Recommendations

Top Observations:

1. Columbia Elementary has ideal walking and biking conditions and excellent sidewalk access/trail access, safe crossings, and is well manned by both staff and student crossing guard at start and dismissal times. Though there were many students observed taking advantage of walkability, an above-average volume of parent drop off/pick up traffic was also observed resulting in congestion on school grounds and Harbour Pointe Blvd

Top Recommendations:

- 1. Parent education (including a walking map) and encouragement! This school is one of the most walkable in the county, and the volume of parent transportation was very high.
- 2. Work with the city to complete the flashing crossing indicator project and Harbour Pointe Blvd and Chennault Beach Drive.



Cable for unfinished indicator light at Harbour Pointe Blvd & Chennault Beach Dr corssing

Auditor: Carrie Parker, BS MSHS Keri Moore, BA MPH

Walking Audit

Endeavour Elementary Mukilteo School District

12300 Harbour Pointe Blvd Mukilteo, WA 98275

February 2016









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District Superintendant: Marci Larsen, 425.356.1274

District Transportation Director: Cindy Steigerwald, 425.356.1258

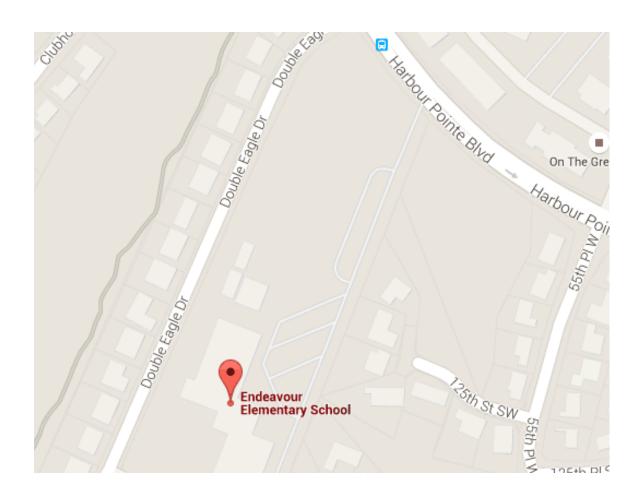
City Planning & Public Works Director: Glen Pickus, 425.263.8042
Health District Staff: Carrie Parker, 425.339.8634

Safe Routes to School Website: http://www.wsdot.wa.gov/LocalPrograms/SafeRoutes

Endeavour Elementary School Walking Audit

Neighborhood Reference Map:

12300 Harbour Pointe Blvd, Mukilteo, WA 98275



School-Recommended Walking Routes:



School Walking Policy:

Walking is at parent discretion.

Walking Audit Notes:

Street/Intersection	Observations	Recommendations	Photo
Harbour Pointe Blvd	Busy road. Sidewalks and wide buffers on both sides of the street. School zone signage and flashers present. Good walking conditions.		
Double Eagle Drive	Low traffic residential area. Sidewalks and intermittent buffers on both sides of the street.		

Harbour Pointe Blvd & Double Eagle Drive	4 way intersection, 2 way stop. 2 way crossing. Well painted. Manned. Pedestrian activated flashers. High traffic and pedestrian use.	
West School Access Trail	Short access path connecting the west side of campus with Double Eagle Drive. Neighborhood complains that parents park on this street to use trail for alternate drop off/pick up location. Public access.	

55 th Place W	Quiet residential to the south. Sidewalks, no buffer on both sides of street. Apartment/Condo complex on the north with walking paths.		
Harbour Pointe Blvd & 55 th Place W	4 way intersection, 2 way stop. 2 way crossing. Painted with crosswalk signage. Flasher present for stopping traffic, but not thru traffic on Harbour Pointe Blvd. Unmanned. Busy.	Add a crossing guard and/or pedestrian activated crossing flashers.	

School Driveway	Long drive accessing the school. Sidewalk available on the west side. Dirt trail on the east side, though use is not necessary with crosswalk at the top of the drive.	
Harbour Pointe Blvd & School Driveway	3 way intersection, 1 way stop. Heavy traffic and pedestrian use. Marked, painted and manned. No left turn allowed at drop off/pick up time (often disregarded).	

Bus and Drop Off/Pick Up Traffic Notes:

Buses approach the school down the main driveway, and pull in to the front school lot to drop off/pick up students directly in front of the main school entrance. Staff was present to assist with loading and unloading.

Parent drop off and pick up occurs in a designated area just behind bus traffic, though they use a different approach and holding area. Parent traffic is routed through the north parking lot. Direct approach via the school driveway is coned-off and only bus traffic can pass. This north lot detour provides two lanes of traffic waiting area before cars proceed in to the front lot of drop off and prevents blocking of the buses. Students are not to enter/exit vehicles before their vehicle approaches the designated area. Staff was present to assist students with loading/unloading.

The drop off/pick up area was very congested and confusing; however the current system takes advantage of as much holding space as possible for traffic. Some back up on to the driveway and Harbor Pointe Blvd still occurs.





Bicycling Notes:

Does the school provide bike racks? ✓ Yes □ No

Are they covered? □ Yes ✓ No

Are they in good repair? ✓ Yes □ No

Is capacity adequate? ✓ Yes □ No

Are there designated bike lanes around the school? □ Yes ✓ No



Additional Comments:

Students must be in at least the third grade to bike to school. A helmet is required.

Summary & Recommendations

Top Observations:

- 1. The parking lot and drop off/pick up area of this school are confusing, but make the most of the space available. Congestion from parent traffic is substantial.
- 2. Walking conditions around this school are excellent, with good sidewalks on all surrounding major and secondary/residential streets.

Top Recommendations:

- 1. Explore ways to encourage to use bus and walking routes (excellent) available to them in order to reduce traffic and congestion on and around the school grounds.
- 2. Add a crossing guard and/or pedestrian activated crossing flashers at Harbour Pointe Blvd & 55th Place W.

Auditor: Carrie Parker, BS MSHS

Keri Moore, BA MPH



December 12, 2014

Robert McGaughey, P.E. Director of Public Works - City of Mukilteo 11930 Cyrus Way Mukilteo, WA 98275

Subject: City of Mukilteo - Planning-Level Sidewalk Assessments

Draft Submittal

Mr. McGaughey,

Please find enclosed our draft submittal for the City's sidewalk assessments effort. Included for your review are a single-page prospectus, a planning-level cost summary, and a detailed breakdown of bid items at each of the 14 locations predetermined by the City of Mukilteo. Field assessments were performed in an effort to assist the City in scoping and programming key sidewalk improvement projects throughout the City and for use in securing possible grant funding for these sections to be designed and constructed.

Collectively, the prospectus and cost summary identify possible improvements that could be completed as well as the costs for the City's efforts to secure grants, design each improvement, complete P,S&E and Ad & Award, construct the improvements, as well as provide monies for the City's administration and management of the construction contract. Field assessments and the associated assumptions of cost were developed in a manner consistent with the guidelines and standards found within the City's *Development Standards*, used procedures and practices consistent with the Washington State Department of Transportation as well as those of generally accepted engineering practices.

Planning-level assessments were completed at each of the locations on December 5, 8, and 9, 2014. Our assessments focused on many site characteristics including pedestrian activity, surrounding land uses, critical areas, drainage systems, utilities, and the overall use and functionality of the roadway. We used roadway sections from the City's *Development Standards* as the basis for our assessments. More specifically, we used Figure 1 for our analysis of principal arterials, minor arterials, and urban collectors and Figure 2 for our analysis of local access roadways. We compared the City's roadway standards against existing roadway conditions to predict a section that would both resolve current pedestrian deficiencies and that would be appropriate for construction. As part of our field review, we did identify existing roadway and sidewalk improvements abutting the proposed locations that may not be consistent with the City's standard roadway sections. In developing proposed improvements further, coordination may be needed to reconcile the desired section to compliment or be consistent with what might already be completed within the section or corridor itself.

Cost estimates were prepared using planning-level analysis in order to estimate an order of magnitude for the effort that may be needed at each location. As the proposed sites are prioritized and positioned for improvement, it is recommended that the design for each section be completed to ensure the proposed solution can be made to fit current conditions and so the costs for the actual construction work can be determined. Costs were developed under the assumption that each site is a specific project effort for both design and construction. Allocated funding will most likely be better utilized by combining some of the sites into logical projects, as might be appropriate, for a program of improvements over

time. This could help to provide larger construction contracts so economies of scale for constructed solutions can be realized. This approach would help to create design and construction efficiencies by lowering unit bid prices for construction as well as reducing costs for the City's design and management of the effort.

Our intent has been to provide these assessments in a manner that meets your expectations as well as the standards of accuracy used for planning-level scoping and cost estimating. Once you've had a chance to review our documentation we would like to schedule a time to meet with you so that we can discuss our findings and results as well as answer any questions you may have. We want to be sure that the scoping assessments fully meet your expectations and that they can be effectively used for future funding and programming efforts. If upon your review changes or modifications are needed, we will compile them along with our discussions from the meeting and will promptly complete a final submittal for your use.

Respectfully,

John R. Tuttle, P.E.

fh R. Suttle

Principal

City of Mukilteo Planning-Level Sidewalk Assessments

Project #	Segment Description	Segment Length
2	2nd Street Sidewalks - SR 525 to Park Avenue	510 feet
3	Loveland Avenue Sidewalks - 2nd Street to 3rd Street	275 feet
6	Park Avenue Sidewalks - 2nd Street to 3rd Street	275 feet
7	76th Street Sidewalks - SR 525 to 44th Avenue	2,340 feet
8	53rd Avenue Sidewalks - 84th Street to 81st Place	800 feet
9	SR 526 Sidewalks - 84th Street to 40th Avenue	1,310 feet
10	84th Street Sidewalks - SR 525 to 53rd Avenue	1,460 feet
12	88th Street Sidewalks - SR 525 to 47th Street	405 feet
13	SR 525 Sidewalks - 92nd Street to 86th Street	2,230 feet
14	53rd Avenue Sidewalks - 88th Street to 92nd Street	1,250 feet
16	Chennault Beach Road Sidewalks - 4400 Block	500 feet
17	Cyrus Way Sidewalks - Harbour Pointe Boulevard to SR 525	1,400 feet
19	Cyrus Way Sidewalks - Evergreen Drive to South Road	1,900 feet
20	Cyrus Way Sidewalks - Harbour Pointe Boulevard to Evergreen Drive	1,945 feet

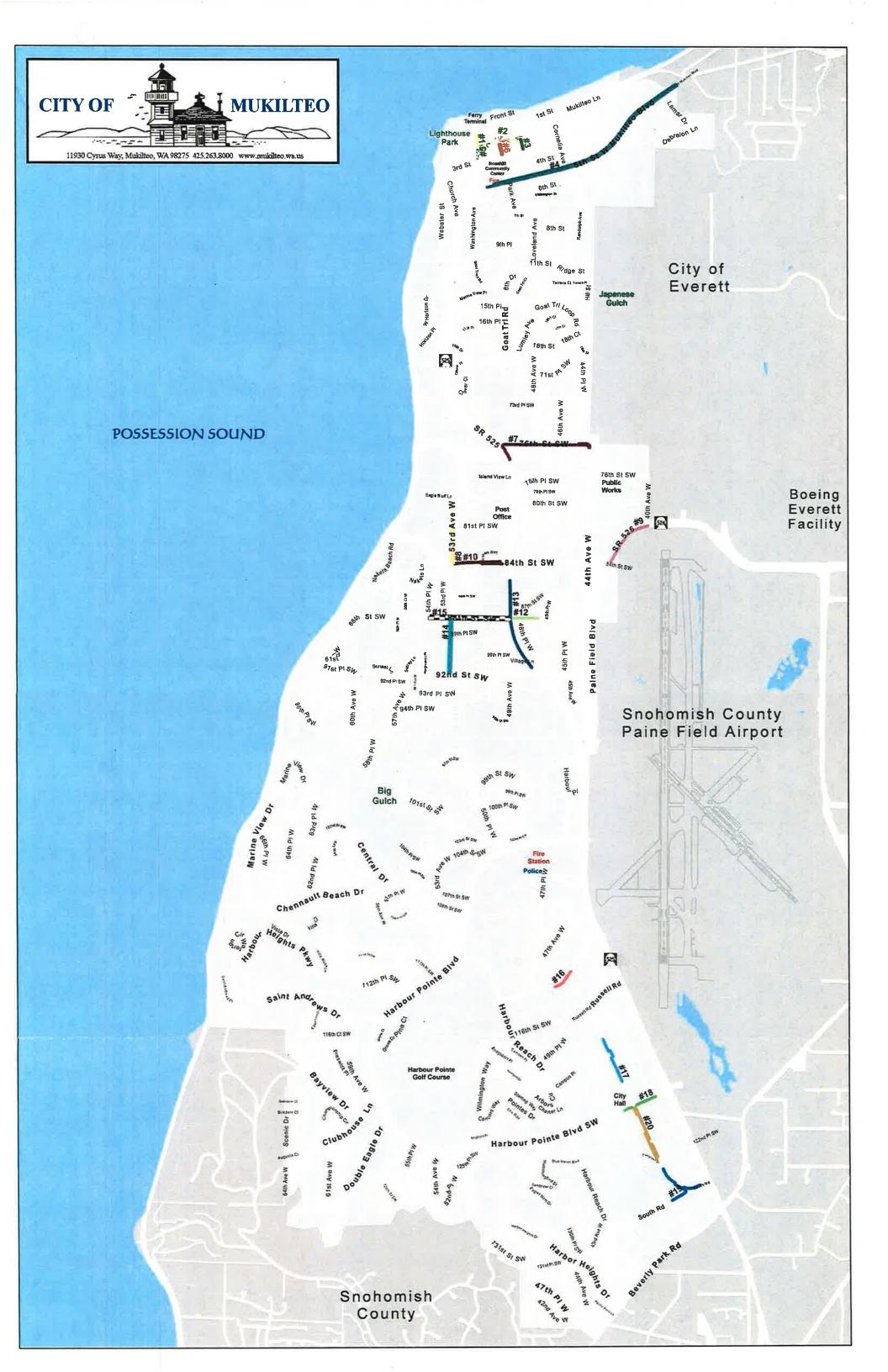


Figure 6

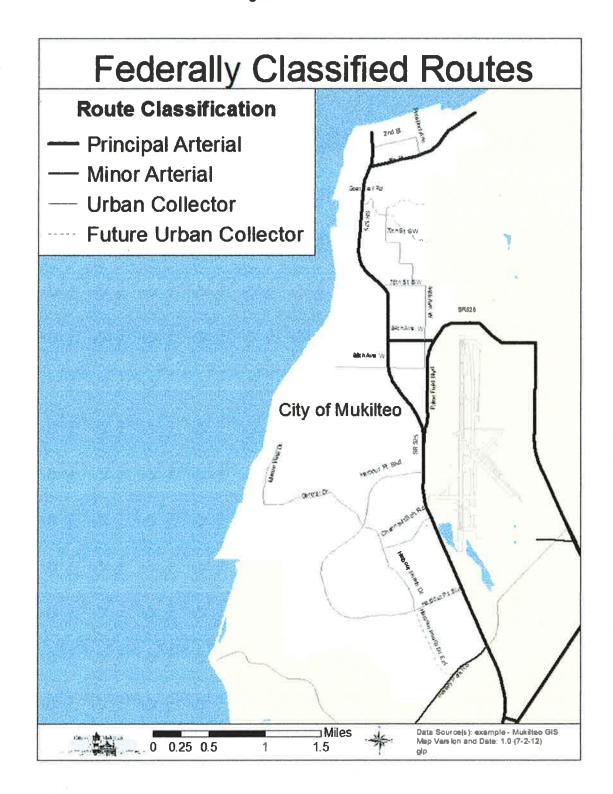


FIGURE 1 MINIMUM STANDARD PRINCIPAL ARTERIAL MINOR ARTERIAL **URBAN COLLECTOR** TOWE LAKE FIGURE 2 MINIMUM STANDARD LOCAL ACCESS Sidewalk Parking Travel Travel **Parking** Sidewalk Lane Lane Lane Lane

SITE #2 2ND STREET SIDEWALKS - SR 525 TO PARK AVENUE

CURRENT CONDITIONS

The study area is located in historic downtown Mukilteo and is lined with residential and commercial uses. 2nd Street is classified as an urban collector with surrounding uses requiring adequate parking be provided both on-street and off-street. The existing two-lane roadway is paved with a 42-foot pavement width that accommodates a travel lane and parallel parking in each direction. Outside of the parking, shoulder treatments include concrete curbing and sidewalks, connecting driveways, small retaining structures, and landscaped slopes. Runoff sheet flows toward existing curbing until it is collected by existing catch basins positioned throughout the corridor. Pedestrians in the study area are comprised of local residents, tourists, and business patrons and employees. Field evaluations assessed 510 feet of roadway and identified obstructed sight lines, disconnected pedestrian routes, steep site accesses and non-compliant ADA accessibility.



SITE CHALLENGES

Existing utilities will need relocation, coordination will be required to reconcile private use of the public right-of-way, improvements will degrade existing driveway connections and create design and construction challenges, existing handicap parking may be lost, topography will provide challenges to full ADA compatibility, large retaining walls will be required to install improvements, community outreach will be required to reach a consensus on parking, landscaping, access, and other proposed roadway characteristics.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and corridor continuity issues by the reconstructing the outside edges of the existing roadway, installing pedestrian improvements, and by installing a new storm conveyance system. Construction elements include site preparation, roadway excavation, stormwater structures and piping, defined parking stalls, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, retaining wall structures, appropriate lighting and landscaping, and adjustments to street signage and utility features. Proposed improvements will be performed on both sides of 2nd Street and will look to match as closely as possible the roadway section one block south on 3rd Street.

Total Estimated Cost Work Done Contractor	\$587,017.69
Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$70,442.12
PE (Prelim. Engineering for Environmental and Permits) - 2%	\$11,740.35
CE (Construction Contract Administration/Construction Management) - 12%	\$70,442.12
City of Mukilteo Management of Design and Construction Effort - 5%	\$29,350.88
City of Mukilteo Owner's Reserve or Contingency - 5%	\$29,350.88
Schedule Total	\$798,344.06

Date of Scoping Review:	December 10, 2014					
y y y						
Project: 0	: City of Mukilteo Sidewalk Planning Assessments					
•						
Location: S	: Site #2: 2nd Street Sidewalks - SR 525 to Park Avenue					
County: S	Snohomish					
Total Approximate Length:	510 LF					
	Site Preparation, Grading, Drainage, Surfacing, Paving with H					
l	Jtilities, Signing, Illumination, Landscaping, and Stormwater N	lanagement, etc.				
	Section	Estimated Cost				
THE REST OF THE						
	Preparation	\$64,505.52				
	Grading	\$14,850.00 \$0.00				
Market and the same	Drainage Storm Sewer	\$42,600.00				
	Sanitary Sewer	\$0.00				
	Water Lines	\$0.00				
Total Estimated Costs	Surfacing	\$19,050.00				
Work Done Contractor (WDC)	Hot Mix Asphalt	\$51,530.00				
	Erosion Control	\$27,500.00				
Ar and the second of the second	Traffic	\$92,694.00				
The state of the s	Other Items	\$152,825.00				
	Subtotal Work Done Contractor	\$465,554.52				
	Planning Level Design Contingency - 20%	\$93,110.90				
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$28,352.27				
	Total Estimated Cost Work Done Contractor	\$587,017.69				
	Additional R/W	\$0.00				
PE (Prelim. Engr. for G	rantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$70,442.12				
	Prelim. Engineering for Environmental and Permits) - 2%	\$11,740.35				
	Contract Administration/Construction Management) - 12%	\$70,442.12				
City of Muki	Iteo Management of Design and Construction Effort - 5%	\$29,350.88				
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$29,350.88				
	Schedule Total	\$798,344.06				

Disclaimers:

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

Site #2: 2nd Street Sidewalks - SR 525 to Park Avenue

Desc	cription	Quantity	Unit	Unit Price	Estimated Amour
No. Secti	ion 1: Preparation				
	ilization (8% of WDC Subtotal)	1	LS	\$34,485.52	\$34,485.5
	ring and Grubbing	0.1	AC	\$3,500.00	\$350.0
	cutting	1,020	LF	\$2,50	\$2,550.0
	oval of Structure and Obstruction oving Cement Conc. Sidewalk	335	LS	\$20,000.00 \$8.00	\$20,000 (\$2,680 (
	oving Cement Conc. Curb and Gutter	600	LF	\$4.00	\$2,400.0
	oving Asphalt Conc. Pavement	510	SY	\$4.00	\$2,040.0
	- · · ·			Preparation Total:	\$30,020.0
No. Secti	lon 2: Grading				
	dway Excavation Incl. Haul	1,000	CY	\$11.50	\$11,500.0
	el Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	200	TN	\$16.00	\$3,200.0
10 Emba	ankment Compaction	100	CY	\$1.50	\$150.0
No Conti	In A. Brainne	-		Grading Total:	\$14,850.0
	Ion 3: Drainage	0	CY	\$14.00	\$0.0
	rry Spalls	0	CY	\$50.00	\$0.0
12 Quai	ту Орано		01	Drainage Total:	\$0.0
No. Secti	ion 4: Storm Sewer				
	h Basin Type 1L	10	EA	\$1,200.00	\$12,000.0
	h Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.0
15 Sche	ed. A Storm Sewer Pipe 12 In. Diam.	1,020	LF	\$30.00	\$30,600.0
16 Sche	ed, A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.0
				Storm Sewer Total:	\$42,600.0
No. Secti	ion 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.0
No. Secti	ion 6: Water Lines			Water Lines Total:	\$0.0
No. Secti	ion 7: Surfacing			Water Lines Total:	\$0.0
	rel Base	1,300	TN	\$9.00	\$11,700.0
	hed Surfacing Top Course	350	TN	\$21.00	\$7,350.0
10 0,00	Too our doing top ood to			Surfacing Total:	\$19,050.0
No. Secti	ion 8: Hot Mix Asphalt				
19 HMA	CL. 1/2 in. PG 64-22	500	TN	\$100.00	\$50,000.0
20 Long	itudinal Joint Seal	1,020	LF	\$1.50	\$1,530.0
				Hot Mix Asphalt Total:	\$51,530.0
	ion 9: Erosion Control				
	porary Erosion/Water Pollution Control	1	EST.	\$2,500.00	\$2,500.0
22 Land	dscaping	1	LS	\$25,000.00 Erosion Control Total:	\$25,000.0 \$27,500.0
No. Secti	ion 10: Traffic		CV T	Elosion Control Total.	\$27,000.0
	ent Conc. Traffic Curb and Gutter	1,020	LF	\$18.00	\$18,360.0
	ent Conc. Pedestrian Curb	60	LF	\$16.00	\$960.0
	t Line	1,530	LF	\$0.50	\$765.0
	tic Crosswalk Line	475	SF	\$5.00	\$2,375.0
27 Plast	tic Stop Line	60	LF	\$15.00	\$900.0
28 Plast	tic Bicycle Lane Symbol	4	EA	\$68.00	\$272.0
	estrian Traffic Control	111	LS	\$10,000.00	\$10,000.0
	tic Traffic Letter/Arrows	4	EA	\$68.00	\$272.0
	ed Pavement Marker - Type 1 and 2	1	HUND	\$290.00	\$290.0
	nanent Signing	1	LS	\$3,500.00	\$3,500.0
	ination System	1	LS	\$30,000.00 \$25,000.00	\$30,000.0 \$25,000.0
34 Tem	porary Project Traffic Control		LO	Traffic Total:	\$92,694.0
No. Sect	ion 11: Other Items			Traine Totali	\$02,00 H.O
	cture Excavation Class B Incl. Haul	375	CY	\$9.00	\$3,375.0
	tractor Provided Construction Surveying	1	LS	\$4,500.00	\$4,500.0
	ent Conc. Sidewalk	750	SY	\$33.00	\$24,750.0
	ent Conc. Driveway	60	SY	\$60.00	\$3,600.0
39 Cem	ent Conc. Curb Ramp	4	EA	\$1,200.00	\$4,800.0
	ular Gravity Block Wall	1,440	SF	\$35.00	\$50,400.0
	st Utility Structures	14	EA	\$300.00	\$4,200.0
	cate Existing Fire Hydrant	1	EA	\$2,000.00	\$2,000.0
	e Account Potholing Utilities	1	EST.	\$500.00	\$500.0
	dside Cleanup	1 1	EST.	\$2,500.00	\$2,500.0
	C Plan	1 1	LS	\$1,000.00 \$35,000.00	\$1,000.0 \$35,000.0
	mwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.) and Mitigation	0	AC	\$40,000.00	\$35,000.0
	and Mitigation estrian Handrail	180	LF	\$90.00	\$16,200.0
-0 1 606	Section From City	1 100	-	Other Items Total:	\$152,825.0

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SITE #3 LOVELAND AVENUE SIDEWALKS - 2ND STREET TO 3RD STREET

CURRENT CONDITIONS

The study area is located in a neighborhood at the interface of residential and commercial uses in historic downtown Mukilteo. Loveland Avenue is classified as a local access. The existing two-lane roadway is paved with a west side pavement width of 12 feet accommodating a travel lane and shoulder. The east side 11-foot pavement width provides for a travel lane and a narrow shoulder. Runoff sheet flows from the existing roadway into existing grassed areas, to a single catch basin positioned outside paving, or is conveyed by asphalt swales to storm structures outside the study limits. Pedestrian input to the study area is generated by local residents and patrons from local amenities. Field evaluations assessed 275 feet of roadway and identified deficient stormwater facilities and disconnected pedestrian routes that mandate non-motorized traffic to use narrow shoulders.



SITE CHALLENGES

Existing utility poles may need relocation, the existing centerline striping and pavement crown do not align with the adjacent block thus requiring the west half of the roadway to be reconstructed to correct the profile and alignment, coordination will be required to reconcile private use (retaining walls and fencing) of the public right-of-way, street conditions on the west side of the study area satisfy the needs of pedestrians, but do not meet the City's functional classification.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and drainage issues by the reconstructing half of the existing roadway, installing a new storm conveyance system, and by installing pedestrian improvements. Construction elements

include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, and adjustments to street signage and utility features. Proposed improvements will be confined to the southbound lane of Loveland Avenue and will match the roadway configuration of the City's local access functional classification.

\$147,180.32	Total Estimated Cost Work Done Contractor	
\$0.00	Additional R/W	
\$17,661.64	PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	
\$2,943.61	PE (Prelim. Engineering for Environmental and Permits) - 2%	
\$17,661.64	CE (Construction Contract Administration/Construction Management) - 12%	
\$7,359.02	City of Mukilteo Management of Design and Construction Effort - 5%	
\$7,359.02	City of Mukilteo Owner's Reserve or Contingency - 5%	
\$200,165.23	Schedule Total	

Date of Scoping Review:	December 10, 2014				
Project:	City of Mukilteo Sidewalk Planning Assessments				
Location:	Site #3: Loveland Avenue Sidewalks - Second Street to Th	ird Street			
County:	Snohomish				
Total Approximate Length:	275 LF				
	Site Preparation, Grading, Drainage, Surfacing, Paving with H				
	Utilities, Signing, Illumination, Landscaping, and Stormwater M	lanagement,			
	Modular Block Gravity Wall, Etc.				
	Section	Estimated Cost			
	Preparation	\$17,231.40			
	Grading	\$14,512.50			
	Drainage	\$0.00			
	Storm Sewer	\$11,850.00			
	Sanitary Sewer	\$0.00			
Total Estimated Costs	Water Lines	\$0.00			
Work Done Contractor (WDC)	Surfacing	\$5,700.00			
Work Boile Contractor (WBC)	Hot Mix Asphalt	\$10,825.00			
	Erosion Control	\$1,000.00			
	Traffic	\$22,382.50			
A STATE OF THE STA	Other Items	\$33,225.00			
	Subtotal Work Done Contractor	\$116,726.40			
The state of the s	Planning Level Design Contingency - 20%	\$23,345.28			
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$7,108.64			
	Total Estimated Cost Work Done Contractor	\$147,180.32			
	Additional R/W	\$0.00			
PE (Prelim, Enar, for 0	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$17,661.64			
	(Prelim. Engineering for Environmental and Permits) - 2%	\$2,943.61			
	Contract Administration/Construction Management) - 12%	\$17,661.64			
	ilteo Management of Design and Construction Effort - 5%	\$7,359.02			
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$7,359.02			
	Schedule Total	\$200,165.23			

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 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

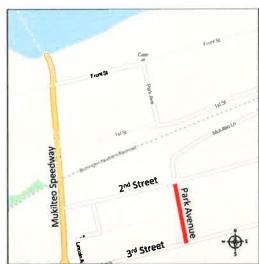
Site #3: Loveland Avenue Sidewalks - Second Street to Third Street

11111					A STATE OF THE PARTY OF THE PAR
	Description	Quantity	Unit	Unit Price	Estimated Amour
No.	Section 1: Preparation				
1	Mobilization (8% of WDC Subtotal)	1.0	LS	\$8,646.40	\$8,646.
2	Clearing and Grubbing	0.1	AC	\$3,500.00	\$350.
3	Sawcutting	550	LF	\$2.50	\$1,375.
4	Removal of Structure and Obstruction	1	LS	\$5,000.00	\$5,000.
	Removing Cement Conc. Sidewalk	45	SY	\$8.00	\$360.
	Removing Cement Conc. Curb and Gutter	75	LF	\$4.00	\$300.
7	Removing Asphalt Conc. Pavement	300	SY	\$4.00	\$1,200.
No.	Section 2: Grading			Preparation Total:	\$8,585.
		825	CY	\$11.50	\$9,487.
	Roadway Excavation Incl. Haul	300	TN	\$16.00	\$4,800.
	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies) Embankment Compaction	150	CY	\$1.50	\$225
10	Embankment Compaction	100	- 01	Grading Total:	\$14,512.
No.	Section 3: Drainage			0.10	
	Ditch Excavation Incl. Haul	0	CY	\$14.00	\$0.
	Quarry Spalls	0	CY	\$50.00	\$0.
12	adany opans		<u> </u>	Drainage Total:	\$0.
No.	Section 4: Storm Sewer		700		-
_	Catch Basin Type 1L	3	EA	\$1,200.00	\$3,600.
	Catch Basin Type 12 Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.
	Sched, A Storm Sewer Pipe 12 In, Diam.	275	LF	\$30.00	\$8,250.
	Sched. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.
	Solder Color Color Color Color Color			Storm Sewer Total:	\$11,850.
No.	Section 5: Sanitary Sewer		850		
	*			Sanitary Sewer Total:	\$0.
No.	Section 6: Water Lines				
				Water Lines Total:	\$0.
	Section 7: Surfacing		2100		
-	Gravel Base	400	TN	\$9.00	\$3,600.
18	Crushed Surfacing Top Course	100	TN	\$21.00	\$2,100
				Surfacing Total:	\$5,700.
	Section 8: Hot Mix Asphalt				
-	HMA CL. 1/2 In. PG 64-22	100	TN	\$100.00	\$10,000.
20	Longitudinal Joint Seal	550	LF	\$1.50	\$825.0
				Hot Mix Asphalt Total:	\$10,825.
-	Section 9: Erosion Control		FOT	* * * * * * * * * *	04.000
	Temporary Erosion/Water Pollution Control	1	EST.	\$1,000.00	\$1,000.
22	Landscaping	0	LS	\$0.00 Erosion Control Total:	\$0. \$1,000.
Ala	Section 40: Testion			Elosion Control Total.	\$1,000.
	Section 10: Traffic	275	LF	\$18.00	\$4,950.
_	Cement Conc. Traffic Curb and Gutter	60	LF	\$16.00	\$960.
$\overline{}$	Cement Conc. Pedestrian Curb	825	LF	\$0.50	\$412.
_	Paint Line	432	SF	\$5.00	\$2,160.
	Plastic Crosswalk Line		LF	\$15.00	\$900
$\overline{}$	Plastic Stop Line	60	EA	\$68.00	\$900
	Plastic Bicycle Lane Symbol	0	LS	\$0.00	\$0
	Pedestrian Traffic Control		EA	\$68.00	\$0
	Plastic Traffic Letter/Arrows	0	HUND	\$290.00	\$0.
_	Raised Pavement Marker - Type 1 and 2	1	LS	\$1,000.00	\$1,000
-	Permanent Signing	0	LS	\$0.00	\$1,000
	Illumination System Temporary Project Traffic Control	1	LS	\$12,000.00	\$12,000
4	Temporary Project Traffic Control		- 23	Traffic Total:	\$22,382
No.	Section 11: Other Items	7		Tranic Total.	VZZ,00Z.
_	Structure Excavation Class B Incl. Haul	100	CY	\$9.00	\$900
	Contractor Provided Construction Surveying	1	LS	\$3,000.00	\$3,000
$\overline{}$	Communication Provided Construction Surveying Cement Conc. Sidewalk	175	SY	\$33.00	\$5,775
	Cement Conc. Sidewalk Cement Conc. Driveway	0	SY	\$60.00	\$0,775
	Cement Conc. Curb Ramp	4	EA	\$1,200.00	\$4,800
_	Modular Gravity Block Wall	150	SF	\$35.00	\$5,250
	Adjust Utility Structures	0	EA	\$300.00	\$0
$\overline{}$	Relocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0
	Force Account Potholing Utilities	0	EST	\$0.00	\$0
_	Roadside Cleanup	1	EST.	\$2,500.00	\$2,500
	SPCC Plan	1	LS	\$1,000.00	\$1,000
_	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$10,000.00	\$10,000
		0	AC	\$40,000.00	\$10,000
	Wetland Mitigation	0	LF	\$40,000.00	\$0
48	Pedestrian Handrail	1 0	LF	Other Items Total:	
				Other items rotal:	ψυυ,4 ૮ 0

SITE #6 PARK AVENUE SIDEWALKS - 2ND STREET TO 3RD STREET

CURRENT CONDITIONS

The study area is located on a steep side street in historic downtown Mukilteo. Park Avenue is classified as local access. The existing two-lane roadway is paved with areas widened for parking in the northwest and southeast corners of the site. Outside of travel lanes, shoulder treatments include narrow sidewalks, connecting driveways, and grass slopes. Runoff flows from existing surfaces against thickened asphalt edges until it is collected by catch basins positioned at natural low points inside and outside the study limits. Pedestrians in the study area are comprised of local residents, tourists, and business patrons and employees. Field evaluations assessed 275 feet of roadway and identified no pedestrian accessibility, poor stormwater management, and narrow parking facilities.



SITE CHALLENGES

Existing utility poles may need relocation, stairways, alleys and driveways will need to be reconstructed with walls to maintain private access, coordination will be required to reconcile private use of the public right-of-way, an existing stream lies immediately adjacent to expected construction limits, will constrain design alternatives and construction activities, and will require mitigation if impacted, existing retaining structures will need to be removed and new very tall retaining walls will be required to support proposed improvements, limited space is available to construct improvements.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access, parking, and drainage issues by the widening the existing

roadway, installing a new storm conveyance system, and by installing pedestrian improvements. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, large retaining walls, and adjustments to street signage and utility features. Proposed improvements will be performed on both sides of Park Street and will match the roadway configuration of the City's local access classification.

\$390,426.84	Total Estimated Cost Work Done Contractor
\$0.00	Additional R/W
\$46,851.22	PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%
\$7,808.54	PE (Prelim. Engineering for Environmental and Permits) - 2%
\$46,851.22	CE (Construction Contract Administration/Construction Management) - 12%
\$19,521.34	City of Mukilteo Management of Design and Construction Effort - 5%
\$19,521.34	City of Mukilteo Owner's Reserve or Contingency - 5%
\$530,980.50	Schedule Total

Date of Scoping Review:	December 10, 2014				
Project:	City of Mukilteo Sidewalk Planning Assessments				
Lagation	Site #6: Park Avenue Sidewalks - 2nd Street to 3rd Street				
Location:	Site #0: Park Avenue Sidewarks - 2nd Street to 3rd Street				
County:	Snohomish				
oounty.	Charlettion				
Total Approximate Length:	: 275 LF				
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H				
	Utilities, Signing, Illumination, Landscaping, and Stormwater N	lanagement,			
	Modular Gravity Block Retaining walls, etc.				
	Section	Estimated Cost			
	Preparation	\$58,436.40			
	Grading	\$10,475.00			
	Drainage	\$1,000.00			
	Storm Sewer	\$22,200.00			
	Sanitary Sewer	\$0.00			
Total Estimated Costs	Water Lines	\$0.00			
Work Done Contractor (WDC)	Surfacing	\$11,400.00			
	Hot Mix Asphalt Erosion Control	\$3,750.00 \$2,500.00			
	Traffic	\$22,430.00			
	Other Items	\$177,450.00			
	Subtotal Work Done Contractor	\$309,641.40			
	Planning Level Design Contingency - 20%	\$61,928.28			
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$18,857.16			
	Total Estimated Cost Work Done Contractor	\$390,426.84			
	Additional R/W	\$0.00			
	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$46,851.22			
	(Prelim. Engineering for Environmental and Permits) - 2%	\$7,808.54			
CE (Construction	Contract Administration/Construction Management) - 12%	\$46,851.22			
City of Mul	kilteo Management of Design and Construction Effort - 5%	\$19,521.34			
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$19,521.34			
	Schedule Total	\$530,980.50			

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- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
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- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

Site #6: Park Avenue Sidewalks - 2nd Street to 3rd Street

DE CO			DATE: SE		
	Description	Quantity	Unit	Unit Price	Estimated Amou
	Section 1: Preparation		100		
	Mobilization (8% of WDC Subtotal)	1.0	LS	\$22,936.40	\$22,936.
	Clearing and Grubbing	0.1	AC	\$3,500.00	\$350.
	Sawcutting Removal of Structure and Obstruction	500	LF LS	\$2.50 \$30,000.00	\$1,250. \$30,000.
	Removing Cement Conc. Sidewalk	25	SY	\$8.00	\$200
	Removing Cement Conc. Curb and Gutter	75	LF	\$4.00	\$300
	Removing Asphalt Conc. Pavement	850	SY	\$4.00	\$3,400.
				Preparation Total:	\$35,500.
No. S	Section 2: Grading				
	Roadway Excavation Incl. Haul	550	CY	\$11.50	\$6,325.
-	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	250	TN	\$16.00	\$4,000.
10 E	mbankment Compaction	100	CY	\$1.50	\$150.
No. S	Section 3: Drainage	_		Grading Total:	\$10,475.
	Ditch Excavation Incl. Haul	0	CY	\$14.00	\$0.
	Quarry Spalls	20	CY	\$50.00	\$1,000
12 0	courty opans	20	01	Drainage Total:	\$1,000.
No. S	Section 4: Storm Sewer			- Drawings (osai)	V ,,,,,,,,,
	Catch Basin Type 1L	6	EA	\$1,200.00	\$7,200.
14 C	Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.
15 S	Sched. A Storm Sewer Pipe 12 In. Diam.	500	LF	\$30.00	\$15,000.
16 S	Sched. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.
				Storm Sewer Total:	\$22,200.
No. S	Section 5: Sanitary Sewer				
			100	Sanitary Sewer Total:	\$0.
No. S	Section 6: Water Lines			347-4	
No. S	Section 7: Surfacing			Water Lines Total:	\$0.
	Gravel Base	800	TN	\$9.00	\$7,200.
	Crushed Surfacing Top Course	200	TN	\$21.00	\$4,200.
				Surfacing Total:	\$11,400.
No. S	ection 8: Hot Mix Asphalt				
19 H	IMA CL. 1/2 In. PG 64-22	30	TN	\$100.00	\$3,000.
20 L	ongitudinal Joint Seal	500	LF	\$1.50	\$750.
				Hot Mix Asphalt Total:	\$3,750.
-	ection 9: Erosion Control		- 12		
	emporary Erosion/Water Pollution Control	1	EST.	\$2,500.00	\$2,500.
22 L	andscaping	0	LS	\$0.00 Erosion Control Total:	\$0. \$2,500.
No. S	ection 10: Traffic			Erosion Control Total:	\$2,500.
	Cement Conc. Traffic Curb and Gutter	500	LF	\$18.00	\$9,000.
	Cement Conc. Pedestrian Curb	30	LF	\$16.00	\$480.
_	Paint Line	750	LF	\$0.50	\$375.
26 P	Plastic Crosswalk Line	225	SF	\$5.00	\$1,125.
27 P	Plastic Stop Line	30	LF	\$15.00	\$450.
28 P	Plastic Bicycle Lane Symbol	0	EA	\$68,00	\$0.
	Pedestrian Traffic Control	0	LS	\$0.00	\$0.
	Plastic Traffic Letter/Arrows	0	EA	\$68.00	\$0.
	Raised Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.
	Permanent Signing	1	LS	\$1,000.00	\$1,000.
	lumination System emporary Project Traffic Control	0	LS	\$0.00 \$10,000.00	\$0. \$10,000.
34 11	emporary Project Tranic Control		LO	Traffic Total:	\$22,430.
No. S	ection 11: Other Items			Trumo roun.	
	Structure Excavation Class B Incl. Haul	200	CY	\$9.00	\$1,800.
	Contractor Provided Construction Surveying	1	LS	\$6,000.00	\$6,000.
37 C	Cement Conc. Sidewalk	300	SY	\$33.00	\$9,900.
	Cement Conc. Driveway	45	SY	\$60.00	\$2,700.
	Cement Conc. Curb Ramp	0	EA	\$1,200.00	\$0.
	flodular Gravity Block Wall	2,865	SF	\$40.00	\$114,600.
	djust Utility Structures	5	EA	\$300.00	\$1,500.
	Relocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0.
	orce Account Potholing Utilities	0	EST.	\$500.00	\$0.
	Roadside Cleanup	1 1	EST.	\$2,500.00	\$2,500
	PCC Plan	1	LS	\$1,000.00	\$1,000. \$10,000.
	tormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.) Vetland Mitigation	0	AC AC	\$10,000.00 \$40,000.00	\$10,000.
	Pedestrian Handrail	305	LF	\$90.00	\$27,450.
.0 Jr	Secondari i dallete	1 303		Other Items Total:	
				Other items rotal:	\$177,450.0

SITE #7 76TH STREET SIDEWALKS - SR 525 TO 44TH AVENUE

CURRENT CONDITIONS

The study area is located primarily in a residential district in central Mukilteo. 76th Street is classified as an urban collector. The existing two-lane roadway is paved with a south side lane width of 12 feet and a shoulder varying from one to four feet consisting of both gravel and asphalt. No areas of designated onstreet parking exist along the corridor. A combination of concrete curbing, catch basins, open ditches, and cross street culverts serve to collect and convey roadway runoff on both sides of the street. Pedestrian input to the study area is generated by local residents with defined routes restricted to only the north side of the roadway. Field evaluations assessed 2,340 feet of roadway and identified disconnected pedestrian routes, obstructed sight lines, private property amenities on public right-of-way, and areas of unmanaged drainage.



SITE CHALLENGES

Existing utilities will need relocation, coordination will be required to reconcile private use of the public right-of-way, improvements to existing road approaches and driveway connections will create design and construction challenges, large retaining walls will be required to install improvements, the proposed street section will need to be reconciled against existing roadway conditions in order to approximate the City's arterial functional classification, no stormwater treatment appears to exist with improvements requiring a regional review of stormwater management.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access

and drainage issues by widening the existing roadway, installing a new storm conveyance system, and by installing pedestrian sidewalk and bicycle improvements. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for bicycle use, new curb and gutter to manage runoff, new sidewalks and curb ramps to improve pedestrian accessibility, large-scale retaining walls, and adjustments to street signage and utility features. Proposed improvements will be confined to the eastbound lane of 76th Street until the existing park entrance where both sides of the roadway will be improved. The proposed roadway section will match that of the City's arterial functional classification.

\$868,313.4	Total Estimated Cost Work Done Contractor	
\$0.0	Additional R/W	
\$104,197.6	PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	
\$17,366.2	PE (Prelim. Engineering for Environmental and Permits) - 2%	
\$104,197.6	CE (Construction Contract Administration/Construction Management) - 12%	
\$43,415.6	City of Mukilteo Management of Design and Construction Effort - 5%	
\$43,415.6	City of Mukilteo Owner's Reserve or Contingency - 5%	
\$1,180,906.3	Schedule Total	

Date of Scoping Review:	December 10, 2014				
Project:	: City of Mukilteo Sidewalk Planning Assessments				
Location	n: Site #7: 76th Street Sidewalks - SR 525 to 44th Avenue				
Location	One Will officer oldewards - On O20 to 44th Aveilde				
County:	Snohomish				
Total Approximate Length:	2,340 LF				
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H	IMA. Delineation.			
	Utilities, Signing, Illumination, Landscaping, and Stormwater N				
	Section	Estimated Cost			
The state of the s	Preparation	\$92,060.80			
	Grading	\$39,525.00			
	Drainage	\$0.00			
	Storm Sewer	\$82,800.00			
The same and the same and	Sanitary Sewer	\$0.00			
Total Estimated Costs	Water Lines	\$0.00			
Work Done Contractor (WDC)	Surfacing	\$48,900.00			
	Hot Mix Asphalt	\$68,510.00			
	Erosion Control	\$25,000.00			
	Traffic	\$92,550.00			
	Other Items	\$239,300.00			
	Subtotal Work Done Contractor	\$688,645.80			
	Planning Level Design Contingency - 20%	\$137,729.16			
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$41,938.53			
	Total Estimated Cost Work Done Contractor	\$868,313.49			
	Additional R/W	\$0.00			
PF (Prelim, Engr. for G	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$104,197.62			
	Prelim. Engineering for Environmental and Permits) - 2%	\$17,366.27			
	Contract Administration/Construction Management) - 12%	\$104,197.62			
	ilteo Management of Design and Construction Effort - 5%	\$43,415.67			
Old of Make	City of Mukilteo Owner's Reserve or Contingency - 5%	\$43,415.67			
	Schedule Total	\$1,180,906.35			

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- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

Site #7: 76th Street Sidewalks - SR 525 to 44th Avenue

	Approximate Length of Sec	W Barthay			WELL WELL BOOK
	Description	Quantity	Unit	Unit Price	Estimated Amour
No.	Section 1: Preparation				
1_	Mobilization (8% of WDC Subtotal)	1.0	LS	\$51,010.80	\$51,010.8
2	Clearing and Grubbing	0.4	AC	\$3,500.00	\$1,400.0
3	Sawcutting Removal of Structure and Obstruction	2,340	LF LS	\$2.50 \$30,000.00	\$5,850.0 \$30,000.0
5	Removing Cement Conc. Sidewalk	0	SY	\$8.00	\$0,000.0
6	Removing Cement Conc. Curb and Gutter	0	LF	\$4.00	\$0.
7	Removing Asphalt Conc. Pavement	950	SY	\$4.00	\$3,800.
				Preparation Total:	\$41,050.
No.	Section 2: Grading				
8	Roadway Excavation Incl. Haul	3,000	CY	\$11.50	\$34,500.
9	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	300	TN	\$16.00	\$4,800
10	Embankment Compaction	150	CY	\$1.50	\$225.
		_		Grading Total:	\$39,525.
No.	Section 3: Drainage		OV	# 44.00	f 0
11	Ditch Excavation Incl. Haul	0	CY	\$14.00 \$50.00	\$0 \$0
12	Quarry Spalls	- 0	CI	Drainage Total:	\$0.
No.	Section 4: Storm Sewer			Diamage rotal.	
13	Catch Basin Type 1L	18	EA	\$1,200.00	\$21,600.
14	Catch Basin Type 12 Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0
15	Sched, A Storm Sewer Pipe 12 In, Diam.	2,040	LF	\$30.00	\$61,200
16	Sched, A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0
	, , , , , , , , , , , , , , , , , , , ,			Storm Sewer Total:	\$82,800.
No.	Section 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.
No.	Section 6: Water Lines				
				Water Lines Total:	\$0.
No.	Section 7: Surfacing				
17	Gravel Base	3,450	TN	\$9.00	\$31,050
18	Crushed Surfacing Top Course	850	TN	\$21.00	\$17,850
	Occidente de Hardan Araban			Surfacing Total:	\$48,900.
No.	Section 8: Hot Mix Asphalt	CEO	TN	\$100.00	\$65,000.
19 20	HMA CL. 1/2 In. PG 64-22	650 2,340	LF	\$1.50	\$3,510.
20	Longitudinal Joint Seal	2,340		Hot Mix Asphalt Total:	\$68,510.
No.	Section 9: Erosion Control			Trot mix riophan Total	\$00,010.
21	Temporary Erosion/Water Pollution Control	1	EST.	\$5,000.00	\$5,000.
22	Landscaping	1	LS	\$20,000.00	\$20,000.
				Erosion Control Total:	\$25,000.
No.	Section 10: Traffic				
23	Cement Conc. Traffic Curb and Gutter	2,340	LF	\$18.00	\$42,120.
24	Cement Conc. Pedestrian Curb	195	LF	\$16.00	\$3,120.
25	Paint Line	4,680	LF	\$0.50	\$2,340
26	Plastic Crosswalk Line	756	SF	\$5.00	\$3,780.
27	Plastic Stop Line	60	LF	\$15.00	\$900
28	Plastic Bicycle Lane Symbol	0	EA	\$68.00	\$0
29	Pedestrian Traffic Control	1 1	LS	\$5,000.00	\$5,000
30	Plastic Traffic Letter/Arrows	0	EA	\$68.00	\$0
31	Raised Pavement Marker - Type 1 and 2	1 1	HUND LS	\$290.00 \$5,000.00	\$290 \$5,000
33	Permanent Signing Illumination System	0	LS	\$0.00	\$5,000
34	Temporary Project Traffic Control	1	LS	\$30,000.00	\$30,000
34	Temporary Project tranic Control		LO	Traffic Total:	\$92,550
No.	Section 11: Other Items	-		1141110 100411	002,000
35	Structure Excavation Class B Incl. Haul	900	CY	\$9.00	\$8,100
36	Contractor Provided Construction Surveying	1	LS	\$6,000.00	\$6,000
37	Cement Conc. Sidewalk	1,300	SY	\$33.00	\$42,900
38	Cement Conc. Driveway	195	SY	\$60.00	\$11,700
39	Cement Conc. Curb Ramp	13	EA	\$1,200.00	\$15,600
40	Modular Gravity Block Wall	3,000	SF	\$35.00	\$105,000
41	Adjust Utility Structures	5	EA	\$300.00	\$1,500
42	Relocate Existing Fire Hydrant	2	EA	\$2,000.00	\$4,000
43	Force Account Potholing Utilities	1111	EST.	\$1,000.00	\$1,000
44	Roadside Cleanup	1	EST.	\$2,500.00	\$2,500
45	SPCC Plan	1	LS	\$1,000.00	\$1,000
46	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	11	LS	\$40,000.00	\$40,000
47	Wetland Mitigation	0	AC	\$40,000-00	\$0
48	Pedestrian Handrail	0	LF	\$90.00 Other Items Total:	\$0 \$239,300
				Umer items (ofal:	. 5744 400

SITE #8 53RD AVENUE SIDEWALKS - 84TH STREET TO 81ST PLACE

CURRENT CONDITIONS

The study area is located in a residential district in central Mukilteo. 53rd Avenue is classified as a local access. The existing two-lane roadway is paved with a east side pavement width of 15 feet that accommodates both lane travel and very narrow onstreet parking. The west side pavement is wide enough for vehicular travel only. Existing gravel and paved shoulder widths vary from one to six feet. Runoff sheet flows from the existing roadway against thickened asphalt edges until it is collected by existing catch basins found in multiple locations inside the study limits. Pedestrian input to the study area is generated by local residents, with no pedestrian route existing within the corridor. Field evaluations assessed 800 feet of roadway and identified parked vehicles encroaching on travel lanes, exposed landscape areas discharging sediment to the existing storm system, and non-existent pedestrian routes that require non-motorized traffic to use narrow shoulders.

81st Place SR 525 84th Street

SITE CHALLENGES

Existing utility poles and structures will need relocation, coordination will be required to reconcile private use of the public right-of-way, retaining walls will be required to install improvements, the existing storm system does not appear to provide stormwater treatment prior to discharge into the existing large gully downstream of the study area.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access, parking, and drainage issues by the widening the existing roadway, upgrading the existing storm system, and by installing

pedestrian sidewalk improvements. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to improve pedestrian accessibility, small-scale retaining walls, and adjustments to street signage and utility features. Proposed improvements will be confined to the northbound lane of 53rd Avenue and will match the roadway configuration of the City's local access classification.

	Total Estimated Cost Work Done Contractor	\$381,670.65
	Additional R/W	\$0.00
PE (Prelim, Engr. for Grantsmar	ship, Design, Utility, PS&E, Ad & Award) - 12%	\$45,800.48
	ngineering for Environmental and Permits) - 2%	\$7,633.41
CE (Construction Contract A	dministration/Construction Management) - 12%	\$45,800.48
City of Mukilteo Mana	agement of Design and Construction Effort - 5%	\$19,083.53
City of	Mukilteo Owner's Reserve or Contingency - 5%	\$19,083.53
	Schedule Total	\$519,072.08

Date of Scoping Review:	December 10, 2014					
Project:						
Location:	Location: Site #8: 53rd Avenue Sidewalks - 88th Street to 92nd Street County: Snohomish					
County						
- Jounny.	Chemena					
Total Approximate Length:	800 LF					
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H	MA, Delineation,				
	Utilities, Signing, Illumination, Landscaping, and Stormwater M					
	Modular Block Retaining Wall, etc.					
	Section	Estimated Cost				
	Preparation	\$32,947.00				
	Grading	\$11,500.00				
	Drainage	\$0.00				
	Storm Sewer	\$24,600.00				
	Sanitary Sewer	\$0.00				
T 4 1 T 4 4 4 4 0 - 4	Water Lines	\$0.00				
Total Estimated Costs	Surfacing	\$13,800.00				
Work Done Contractor (WDC)	Hot Mix Asphalt	\$31,200.00				
	Erosion Control	\$3,500.00				
	Traffic	\$41,400.00				
	Other Items	\$143,750.00				
	Subtotal Work Done Contractor	\$302,697.00				
	Planning Level Design Contingency - 20%	\$60,539.40				
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$18,434.25				
	Total Estimated Cost Work Done Contractor	\$381,670.65				
	Additional R/W	\$0.00				
PE (Prelim, Engr. for	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$45,800.48				
	(Prelim. Engineering for Environmental and Permits) - 2%	\$7,633.4				
	Contract Administration/Construction Management) - 12%	\$45,800.48				
	kilteo Management of Design and Construction Effort - 5%	\$19,083.53				
5.07 61 11101	City of Mukilteo Owner's Reserve or Contingency - 5%	\$19,083.53				
ALC: HALL COLUMN	Schedule Total	\$519,072.08				

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- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

Site #8: 53rd Avenue Sidewalks - 88th Street to 92nd Street

1 1 1 L VOCT	the think to the result of the second of the				228 THIS TO M
Descri	iption	Quantity	Unit	Unit Price	Estimated Amour
No. Sectio	on 1: Preparation				
1 Mobiliz	zation (8% of WDC Subtotal)	1.0	LS	\$22,422.00	\$22,422.0
2 Clearin	ng and Grubbing	0.2	AC	\$3,500.00	\$525.0
3 Sawcu		800	LF	\$2.50	\$2,000.
	val of Structure and Obstruction	11	LS	\$5,000.00	\$5,000.
	ving Cement Conc. Sidewalk	0	SY	\$8.00	\$0.
	ving Cement Conc. Curb and Gutter	0	LF	\$4.00	\$0.
7 Remov	ving Asphalt Conc. Pavement	750	SY	\$4.00	\$3,000.
No Costio	on 2: Grading			Preparation Total:	\$10,525.
	vay Excavation Incl. Haul	1,000	CY	\$11.50	\$11,500.
	Рау Excavation Inc. Haul I Волгоw Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	0	TN	\$16.00	\$0.
	nkment Compaction	0	CY	\$1.50	\$0.
TO Ellibar	ikinetik Compaction	-	01	Grading Total:	\$11,500.
No. Sectio	on 3: Drainage			0.00.0.3	V11,000
	Excavation Incl. Haul	0	CY	\$14.00	\$0.
	y Spalls	0	CY	\$50.00	\$0.
in addition	- Openio			Drainage Total:	\$0.
No. Section	on 4: Storm Sewer				
	Basin Type 1L	6	EA	\$100.00	\$600.
	Basin Type 2 - 48 In, Diam,	0	EA	\$2,300.00	\$0.
	. A Storm Sewer Pipe 12 In. Diam.	800	LF	\$30.00	\$24,000
	. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.
				Storm Sewer Total:	\$24,600.
No. Section	on 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.
No. Sectio	on 6: Water Lines	10 10			
				Water Lines Total:	\$0.
No. Section	on 7: Surfacing		15-16-16		
17 Gravel	l Base	950	TN	\$9.00	\$8,550.
18 Crushe	ed Surfacing Top Course	250	TN	\$21.00	\$5,250.
				Surfacing Total:	\$13,800.
	on 8: Hot Mix Asphalt				
19 HMA (CL. 1/2 In. PG 64-22	300	TN	\$100.00	\$30,000.
20 Longitu	udinal Joint Seal	800	LF	\$1.50	\$1,200.
				Hot Mix Asphalt Total:	\$31,200.
	on 9: Erosion Control				
	orary Erosion/Water Pollution Control	1	EST.	\$2,500.00	\$2,500.
22 Lands	caping	11	LS	\$1,000.00	\$1,000.
				Erosion Control Total:	\$3,500.
	on 10: Traffic			#10.00	011100
	nt Conc. Traffic Curb and Gutter	800	LF	\$18.00	\$14,400.
	nt Conc. Pedestrian Curb	0	LF	\$16.00	\$0.
25 Paint L		800	LF SF	\$0.50	\$400.
	Crosswalk Line	0		\$5.00	\$0.
	Stop Line	40	LF	\$15.00	\$600.
	Bicycle Lane Symbol	0	EA	\$68.00	\$0. \$0.
	trian Traffic Control	0	LS EA	\$0.00	
	c Traffic Letter/Arrows	0	HUND	\$68.00 \$290.00	\$0. \$0.
	Carlot Laving Control and Miles and Carlot Control	1	LS	\$1,000.00	\$1,000
	anent Signing eation System	0	LS	\$0.00	\$1,000.
	prary Project Traffic Control	1	LS	\$25,000.00	\$25,000
34 Tempe	Draily Project Trailic Condidi		10	Traffic Total:	\$41,400
No. Sectio	on 11: Other Items			Traine Town	0111100
	ure Excavation Class B Incl. Haul	300	CY	\$9.00	\$2,700.
	actor Provided Construction Surveying	1	LS	\$4,500.00	\$4,500
	nt Conc, Sidewalk	450	SY	\$33.00	\$14,850.
	nt Conc. Driveway	80	SY	\$60.00	\$4,800
	nt Conc. Curb Ramp	0	EA	\$1,200.00	\$0
	ar Gravity Block Wall	2,800	SF	\$35.00	\$98,000
	Utility Structures	18	EA	\$300.00	\$5,400
	ate Existing Fire Hydrant	0	EA	\$2,000.00	\$0
	Account Potholing Utilities	0	EST.	\$500.00	\$0
	side Cleanup	1	EST.	\$2,500.00	\$2,500
45 SPCC		1	LS	\$1,000.00	\$1,000
	water Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$10,000.00	\$10,000
	nd Mitigation	0	AC	\$40,000.00	\$0
	trian Handrail	0	LF	\$90.00	\$0
	ANNO 2010 25 57			Other Items Total:	\$143,750.
				ne Contractor Subtotal:	

SITE #9 SR 526 SIDEWALKS - 84th STREET TO 40th AVENUE

CURRENT CONDITIONS

The study area is located in a heavily commercialized business district along State Route 526 in east Mukilteo. This section of principal arterial serves as one of the gateway entrances into Mukilteo and has an average daily traffic of 33,000 vehicles per day. The existing four-lane roadway is paved with two 12-foot travel lanes and a two-foot shoulder in each direction. Runoff in this super-elevated section of roadway sheet flows from north to south, is intercepted by curbing, then discharged into open ditches. The north side of the road is elevated above the roadway surface. Pedestrian input is generated by patrons and employees of local businesses with prominent signs of pedestrian and bicycle use defined by worn paths in existing landscape beds lining the roadway. Field evaluations assessed 1,310 feet of roadway and identified no pedestrian routes to separate non-motorized traffic from the busy roadway surface.



SITE CHALLENGES

Existing utility poles, fencing, and mature landscaping will require detailed design b conducted in order to reduce impacts to these features, existing soils may prevent effective use of low-impact development measures.



Proposed improvements will resolve existing pedestrian issues by installing pedestrian improvements both separated and elevated from the highway. Construction elements include site preparation, roadway excavation, a new meandering shared-use pathway, discrete path lighting to improve pedestrian safety, and landscaping enhancements. Proposed improvements will be confined to only the north side of SR 526 and will closely match the roadway section found in the City's arterial classification.



	Total Estimated Cost Work Done Contractor	\$167,293.69
	Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmar	ship, Design, Utility, PS&E, Ad & Award) - 12%	\$20,075.24
PE (Prelim. E	ngineering for Environmental and Permits) - 2%	\$3,345.87
CE (Construction Contract A	dministration/Construction Management) - 12%	\$20,075.24
City of Mukilteo Mana	gement of Design and Construction Effort - 5%	\$8,364.68
City of	Mukilteo Owner's Reserve or Contingency - 5%	\$8,364.68
	Schedule Total	\$227,519.42

Date of Scoping Review:	December 10, 2014			
Date of Scoping Review: L	December 10, 2014			
Project (Ohr, of Michilles Oldercally Diaming Assessments			
Project: C	City of Mukilteo Sidewalk Planning Assessments			
l postion (Site #9: SR 526 - 84th Street to Airport Road			
Location: S	one #9: SK 526 - 64th Street to Airport Road			
County: S	Snohomish			
County.	SHOHOHIISH			
Total Approximate Length:	1,310 LF			
Total Approximate Longin.	1,010 El			
Type of Work: S	Site Preparation, Grading, Drainage, Surfacing, Paving with H	MA. Delineation.		
	Jtilities, Signing, Illumination, Landscaping, and Stormwater N			
		<i>g</i> , 0.00		
	Section	Estimated Cost		
	Preparation	\$11,228.00		
	Grading	\$5,125.00		
	Drainage	\$0.00		
	Storm Sewer	\$0.00		
	Sanitary Sewer	\$0.00		
Total Estimated Costs	Water Lines	\$0.00		
Work Done Contractor (WDC)	Surfacing	\$1,575.00		
Work Dolle Collinacion (WDC)	Hot Mix Asphalt	\$0.00		
	Erosion Control	\$27,500.00		
	Traffic	\$18,000.00		
	Other Items	\$69,250.00		
	Subtotal Work Done Contractor	\$132,678.00		
	Planning Level Design Contingency - 20%	\$26,535.60		
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$8,080.09		
	Total Estimated Cost Work Done Contractor	\$167,293.69		
	Additional R/W	\$0.00		
	rantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$20,075.24		
	Prelim. Engineering for Environmental and Permits) - 2%	\$3,345.87		
	ontract Administration/Construction Management) - 12%	\$20,075.24		
City of Mukil	teo Management of Design and Construction Effort - 5%	\$8,364.68		
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$8,364.68		
	Schedule Total	\$227,519.42		

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- 5. This estimate does not consider the following:
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 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions,
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

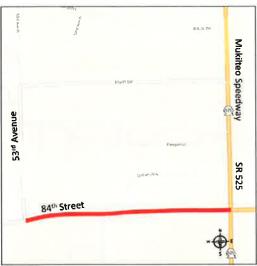
Site #9: SR 526 - 84th Street to Airport Road

	Approximate Length of Sec	tion 1,310	LF		
Dog	cription	Quantity	Unit	Unit Price	Estimated Amoun
	tion 1: Preparation	Quantity	Ollit	Unit Frice	Estimated Amoun
	ilization (8% of WDC Subtotal)	1.0	LS	\$9,828.00	\$9,828.0
	aring and Grubbing	0.4	AC	\$3,500.00	\$1,400.0
	voutting	0.4	LF	\$2.50	\$0.0
	X	0	LS	\$20,000.00	\$0.0
	noval of Structure and Obstruction noving Cement Conc. Sidewalk	0	SY	\$8.00	\$0.0
		0	LF	\$4.00	\$0.0
	noving Cement Conc. Curb and Gutter noving Asphalt Conc. Pavernent	0	SY	\$4.00	\$0.0
/ Kelli	loving Asphalt Coric. Favernerit	- 	31	Preparation Total:	\$1,400.0
No. Sect	tion 2: Grading		-	Freparadon rotal.	\$1,400.0
		300	CY	\$11.50	\$3,450.0
	dway Excavation Incl. Haul			\$16.00	\$1,600.0
	vel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	100	CY	\$1.50	\$1,800.0
10 Emb	pankment Compaction	50	CT		
N 0	d - A. Brada			Grading Total:	\$5,125.0
	tion 3: Drainage		0)/	#11.00	40.0
	h Excavation Incl. Haul	0	CY	\$14.00	\$0.0
12 Quai	arry Spalls	0	CY	\$50.00	\$0.0
				Drainage Total:	\$0.0
No. Sect	tion 4: Storm Sewer				
13 Cato	ch Basin Type 1L	0	EA	\$1,200.00	\$0.0
14 Cato	ch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.0
15 Sche	ed. A Storm Sewer Pipe 12 In. Diam.	0	LF	\$30.00	\$0.0
16 Sche	ed. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.0
				Storm Sewer Total:	\$0.0
No. Sect	tion 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.0
No. Sect	tion 6: Water Lines				
				Water Lines Total:	\$0.0
No. Sect	tion 7: Surfacing				
	vel Base	0	TN	\$9.00	\$0.0
	shed Surfacing Top Course	75	TN	\$21.00	\$1,575.0
10 0/43	since our admig Top Oderso		7.1	Surfacing Total:	
No. Sect	tion 8: Hot Mix Asphalt		100000	our raoning rotati	\$1,070.00
	A CL. 1/2 In. PG 64-22	0	TN	\$10.00	\$0.00
		0	LF	\$1.50	\$0.00
20 Long	gitudinal Joint Seal		LF		
N - 0 - 1				Hot Mix Asphalt Total:	\$0.00
	tion 9: Erosion Control		FOT	* 0 500 00	40.500.0
	nporary Erosion/Water Pollution Control	1	EST.	\$2,500,00	\$2,500.00
22 Land	dscaping	1	LS	\$25,000.00	\$25,000.00
				Erosion Control Total:	\$27,500.00
	tion 10: Traffic				
23 Cem	nent Conc. Traffic Curb and Gutter	0	LF	\$18.00	\$0.0
24 Cem	nent Conc. Pedestrian Curb	0	LF	\$16.00	\$0.0
25 Pain	nt Line	0	LF	\$0.50	\$0.00
26 Plas	stic Crosswalk Line	0	SF	\$5,00	\$0.0
27 Plas	stic Stop Line	0	LF	\$15.00	\$0.0
28 Plas	stic Bicycle Lane Symbol	0	EA	\$68.00	\$0.0
29 Pede	estrian Traffic Control	0	LS	\$10,000.00	\$0.0
30 Plas	stic Traffic Letter/Arrows	0	EA	\$68.00	\$0.0
31 Rais	sed Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.0
	manent Signing	1	LS	\$1,000.00	\$1,000.0
	nination System	1	LS	\$12,000.00	\$12,000.0
	porary Project Traffic Control	1	LS	\$5,000.00	\$5,000.0
34 16111	iporally Project traffic Control		10	Traffic Total:	
No. Sect	tion 11: Other Items			rianic rotal.	\$10,000.0
	cture Excavation Class B Incl. Haul	0	CY	\$9.00	\$0.0
	tractor Provided Construction Surveying	1 750	LS	\$3,000.00	\$3,000.0
	nent Conc. Sidewalk	1,750	SY	\$33.00	\$57,750.0
	nent Conc. Driveway	0	SY	\$60.00	\$0.0
	nent Conc. Curb Ramp	0	EA	\$1,200.00	\$0.0
	dular Gravity Block Wall	0	SF	\$35.00	\$0.0
	ust Utility Structures	0	EA	\$300.00	\$0.0
42 Relo	ocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0,0
43 Forc	ce Account Potholing Utilities	0	EST.	\$500.00	\$0.0
44 Road	dside Cleanup	1	EST.	\$2,500.00	\$2,500.0
	CC Plan	1	LS	\$1,000.00	\$1,000.0
	mwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$5,000.00	\$5,000.0
	land Mitigation	0	AC	\$40,000.00	\$0.0
	estrian Handrail	0	LF	\$90.00	\$0.0
75 11 600	oon and the same			Other Items Total:	
				ne Contractor Subtotal:	\$132,678.0

SITE #10 84TH STREET SIDEWALKS - SR 525 TO 53RD AVENUE

CURRENT CONDITIONS

The study area is located in a residential district at the eastern edge of commercial use fronting State Route 525 in central Mukilteo. 84th Street is classified as local access. The existing two-lane roadway is paved and has both gravel and paved shoulders ranging from one to eight feet wide. Areas of existing shoulder are currently being used for parking. Open ditches and cross street culverts collect and convey roadway runoff in front of older homes with new developments having enclosed drainage for stormwater management. Pedestrian input to the study area is generated by local residents with standard pedestrian routes available only on segmented sections of sidewalk. Field evaluations assessed 1,460 feet of roadway and identified areas of unmanaged drainage and disconnected pedestrian routes that require non-motorized traffic to use narrow shoulders.



SITE CHALLENGES

Existing utility poles and structures will need relocation, mature trees will need removal, few areas exist for water quality treatment upstream of the existing gully at the discharge point, coordination will be required to reconcile private use of the public right-of-way, retaining walls will be required to widen the road for on-street parking, and signs of erosion and shoulder scour will mandate large-scale upgrades to the existing storm network.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian and drainage issues by the widening the existing roadway, installing a new storm conveyance system, and by installing pedestrian

sidewalk improvements. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to improve pedestrian accessibility, retaining wall structures, and adjustments to street signage and utility features. Proposed improvements will be confined to both sides of 53rd Avenue and will match the roadway section defined by the City's local access functional classification.

Total Estimated Cost Work Done Contractor	\$502,738.99
Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$60,328.68
PE (Prelim. Engineering for Environmental and Permits) - 2%	\$10,054.78
CE (Construction Contract Administration/Construction Management) - 12%	\$60,328.6
City of Mukilteo Management of Design and Construction Effort - 5%	\$25,136.95
City of Mukilteo Owner's Reserve or Contingency - 5%	\$25,136.95
Schedule Total	\$683,725.02

Date of Scoping Review:	December 10, 2014			
Project:	: City of Mukilteo Sidewalk Planning Assessments			
Location:	Site #10: 84th Street Sidewalks - SR 525 to 53rd Avenue			
Location				
County:	nohomish			
Total Approximate Length:	1,460 LF			
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H			
	Utilities, Signing, Illumination, Landscaping, and Stormwater N	lanagement, etc.		
Name of the state	Section	Estimated Cost		
	Preparation	\$36,534.40		
	Grading	\$25,875.00		
	Drainage	\$0.00		
	Storm Sewer	\$58,200.00		
	Sanitary Sewer	\$0.00		
Total Fatimated Coats	Water Lines	\$0.00		
Total Estimated Costs	Surfacing	\$17,850.00		
Work Done Contractor (WDC)	Hot Mix Asphalt	\$37,190.00		
	Erosion Control	\$7,500.00		
	Traffic	\$53,490.00		
	Other Items	\$162,075.00		
	Subtotal Work Done Contractor	\$398,714.40		
	Planning Level Design Contingency - 20%	\$79,742.88		
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$24,281.71		
	Total Estimated Cost Work Done Contractor	\$502,738.99		
	Additional R/W	\$0.00		
PE (Prelim. Engr. for	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$60,328.68		
PE	(Prelim. Engineering for Environmental and Permits) - 2%	\$10,054.78		
	Contract Administration/Construction Management) - 12%	\$60,328.68		
	kilteo Management of Design and Construction Effort - 5%	\$25,136.95		
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$25,136.95		
	Schedule Total	\$683,725.02		

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

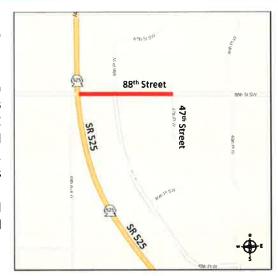
Site #10: 84th Street Sidewalks - SR 525 to 53rd Avenue

	Approximate Length of Sect	ion 1,460	LF .	11/2/03/5 20/2 30/1	The state of the s
	Description	Quantity	Unit	Unit Price	Estimated Amount
No.	Section 1: Preparation				
1	Mobilization (8% of WDC Subtotal)	1.0	LS	\$29,534.40	\$29,534,4
2	Clearing and Grubbing	0.1	AC	\$3,500.00	\$350.0
3	Sawcutting	1,460	LF	\$2.50	\$3,650.0
4	Removal of Structure and Obstruction	0	LS	\$20,000.00	\$0.0
5	Removing Cement Conc. Sidewalk	0	SY	\$8.00	\$0.0
6	Removing Cement Conc. Curb and Gutter	0	LF	\$4.00	\$0.00
7	Removing Asphalt Conc. Pavement	750	SY	\$4.00	\$3,000.00
				Preparation Total:	\$7,000.00
No.	Section 2: Grading				
8	Roadway Excavation Incl. Haul	2,250	CY	\$11.50	\$25,875.00
9	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	0	TN	\$16.00	\$0.00
10	Embankment Compaction	0	CY	\$1.50 Grading Total:	\$0.00 \$25,875.0 0
Ma	Castles 2: Desirans			Grading rotal:	\$25,675.00
No.	Section 3: Drainage	0	CY	\$14.00	\$0.00
11	Ditch Excavation Incl. Haul	0	CY	\$50,00	\$0.00
12	Quarry Spalls	1 0	CT	Drainage Total:	\$0.00
No.	Section 4: Storm Sewer			Diamage rotal.	\$0.00
13	Catch Basin Type 1L	12	EA	\$1,200.00	\$14,400.00
14	Catch Basin Type 2 - 48 In, Diam,	0	EA	\$2,300.00	\$0.00
15	Sched. A Storm Sewer Pipe 12 In. Diam.	1,460	LF	\$30.00	\$43,800.00
16	Sched. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.00
	Conce. A cloth concer i pe to in, ciam.		10	Storm Sewer Total:	\$58,200.00
No.	Section 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.00
No.	Section 6: Water Lines		10-10-2		
				Water Lines Total:	\$0.00
No.	Section 7: Surfacing				
17	Gravel Base	1,225	TN	\$9.00	\$11,025.00
18	Crushed Surfacing Top Course	325	TN	\$21.00	\$6,825.00
				Surfacing Total:	\$17,850.00
No.	Section 8: Hot Mix Asphalt				
19	HMA CL. 1/2 In. PG 64-22	350	TN	\$100.00	\$35,000.00
20	Longitudinal Joint Seal	1,460	LF	\$1.50	\$2,190.00
			160	Hot Mix Asphalt Total:	\$37,190.00
No.	Section 9: Erosion Control				
21	Temporary Erosion/Water Pollution Control	1	EST.	\$5,000.00	\$5,000.00
22	Landscaping	11	LS	\$2,500.00	\$2,500.00
				Erosion Control Total:	\$7,500.00
No.	Section 10: Traffic				****
23	Cement Conc. Traffic Curb and Gutter	1,460	LF	\$18.00	\$26,280.00
24	Cement Conc. Pedestrian Curb	30	LF	\$16.00	\$480.00
25	Paint Line	1,460	LF	\$0.50	\$730.00
26	Plastic Crosswalk Line	0	SF	\$5.00	\$0.00 \$0.00
27	Plastic Stop Line	0	LF	\$15.00	\$0.00
28	Plastic Bicycle Lane Symbol	0	LS LS	\$68.00 \$10,000.00	\$0.00
29	Pedestrian Traffic Control	0	EA	\$68.00	\$0.00
30	Plastic Traffic Letter/Arrows Raised Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.00
31	Permanent Signing	1	LS	\$1,000.00	\$1,000.00
33	Illumination System	0	LS	\$0.00	\$0.00
34	Temporary Project Traffic Control	1 1	LS	\$25,000.00	\$25,000.00
- 04	Temporary Froject frame control			Traffic Total:	\$53,490.00
No.	Section 11: Other Items			114	***************************************
35	Structure Excavation Class B Incl. Haul	600	CY	\$9.00	\$5,400.00
36	Contractor Provided Construction Surveying	1	LS	\$6,000.00	\$6,000.00
37	Cement Conc. Sidewalk	825	SY	\$33.00	\$27,225.00
38	Cement Conc. Ordeway	150	SY	\$60.00	\$9,000.0
	Cement Conc. Curb Ramp	2	EA	\$1,200.00	\$2,400.0
	Modular Gravity Block Wall	2,000	SF	\$35.00	\$70,000.0
39 40			EA	\$300.00	\$3,300.0
39	Adjust Utility Structures	11			
39 40	Adjust Utility Structures	1	EA	\$2,000.00	\$2,000.0
39 40 41				\$2,000.00 \$1,000.00	\$2,000.0 \$1,000.0
39 40 41 42	Adjust Utility Structures Relocate Existing Fire Hydrant Force Account Potholing Utilities	1	EA		100.000.007.00
39 40 41 42 43	Adjust Utility Structures Relocate Existing Fire Hydrant	1 1	EA EST.	\$1,000.00	\$1,000.0 \$2,500.0
39 40 41 42 43 44	Adjust Utility Structures Relocate Existing Fire Hydrant Force Account Potholing Utilities Roadside Cleanup SPCC Plan	1 1	EA EST. EST.	\$1,000.00 \$2,500.00	\$1,000.0 \$2,500.0 \$1,000.0
39 40 41 42 43 44 45 46	Adjust Utility Structures Relocate Existing Fire Hydrant Force Account Potholing Utilities Roadside Cleanup SPCC Plan Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1 1 1 1	EA EST. EST. LS	\$1,000.00 \$2,500.00 \$1,000.00	\$1,000.0 \$2,500.0 \$1,000.0 \$12,000.0
39 40 41 42 43 44 45	Adjust Utility Structures Relocate Existing Fire Hydrant Force Account Potholing Utilities Roadside Cleanup SPCC Plan	1 1 1 1	EA EST. EST. LS	\$1,000.00 \$2,500.00 \$1,000.00 \$12,000.00	\$1,000.0

SITE #12 88TH STREET SIDEWALKS - SR 525 TO 47TH STREET

CURRENT CONDITIONS

The study area is located in a residential district adjacent to State Route 525 in central Mukilteo. 88th Street is classified as an urban collector. The existing two-lane roadway is paved with a south side pavement width of 21 feet that accommodates both lane travel and on-street parking. The north side pavement is wide enough for vehicular travel only. Existing gravel and paved shoulder widths vary from one to four feet. Open ditches and cross street culverts collect and convey existing roadway runoff. Pedestrian input to the study area is generated by local residents with facilities restricted to only the south side of the roadway. Field evaluations assessed 405 feet of roadway and identified disconnected pedestrian routes that require non-motorized traffic to use narrow shoulders.



SITE CHALLENGES

Existing utility poles and structures will need relocation, signs of erosion will mandate upsizing the existing storm network, coordination will be required to reconcile private use of the public right-of-way, street conditions at the east end of the study area satisfy the needs of pedestrians, but do not meet the standard required by the City's functional classification.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and on-street parking issues by the widening the existing roadway, installing a new storm conveyance system, and by installing pedestrian sidewalk improvements. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for

parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to improve pedestrian accessibility, small-scale retaining walls, and adjustments to street signage and utility features. Proposed improvements will be confined to the westbound lane of 88th Street and will match the roadway configuration of the eastbound lane of the roadway.

Total Estimated Cost Work Done Contractor	\$143,398.00
Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$17,207.76
PE (Prelim. Engineering for Environmental and Permits) - 2%	\$2,867.96
CE (Construction Contract Administration/Construction Management) - 12%	\$17,207.76
City of Mukilteo Management of Design and Construction Effort - 5%	\$7,169.90
City of Mukilteo Owner's Reserve or Contingency - 5%	\$7,169.90
Schedule Total	\$195,021.27

Date of Scoping Review:	December 10, 2014			
Project: (City of Mukilteo Sidewalk Planning Assessments			
Location	Site #12: 88th Street Sidewalks - SR 525 to 47th Street			
Location: S	Site #12: 66th Street Sidewarks - SK 525 to 47th Street			
County:	Snohomish			
Total Approximate Length:	405 LF			
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H	MA. Delineation.		
	Utilities, Signing, Illumination, Landscaping, and Stormwater M			
South Walter Street	Section	Estimated Cost		
Charles and Explaining and	Preparation	\$12,936.7		
	Grading	\$8,015.0		
VIVE CONTRACTOR OF THE PARTY OF	Drainage	\$0.00		
	Storm Sewer	\$18,150.00		
	Sanitary Sewer	\$0.00		
Total Estimated Costs	Water Lines	\$0.00		
Work Done Contractor (WDC)	Surfacing	\$7,230.00		
Work Dolle Collitactor (WDC)	Hot Mix Asphalt	\$9,607.50		
	Erosion Control	\$6,000.00		
	Traffic	\$18,412.50		
A Tree Contract of the Contract	Other Items	\$33,375.00		
	Subtotal Work Done Contractor	\$113,726.70		
	Planning Level Design Contingency - 20%	\$22,745.34		
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$6,925.96		
	Total Estimated Cost Work Done Contractor	\$143,398.00		
	Additional R/W	\$0.00		
DE (Brolim Ener for C	irantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$17,207.70		
	Prelim. Engineering for Environmental and Permits) - 2%	\$2,867.9		
	Contract Administration/Construction Management) - 12%	\$17,207.7		
	Iteo Management of Design and Construction Effort - 5%	\$7,169.9		
City of Muki	City of Mukilteo Owner's Reserve or Contingency - 5%	\$7,169.90 \$7,169.90		
	Schedule Total	\$195,021.2		

Disclaimers:

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- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

Site #12: 88th Street Sidewalks - SR 525 to 47th Street

	Approximate Length of Sec	tion 405	LF		75-11-107
	Description	Quantity	Unit	Unit Price	Estimated Amoun
No.	Section 1: Preparation				
1	Mobilization (8% of WDC Subtotal)	1	LS	\$8,424.20	\$8,424.2
2	Clearing and Grubbing	0.2	AC	\$3,500.00	\$700.0
3	Sawcutting	405	LF	\$2,50	\$1,012.5
4	Removal of Structure and Obstruction	1	LS	\$2,000.00	\$2,000.0
5 6	Removing Cement Conc. Sidewalk Removing Cement Conc. Curb and Gutter	0	SY	\$8.00 \$4.00	\$0.0 \$0.0
7	Removing Asphalt Conc. Pavement	200	SY	\$4.00	\$800.0
			<u> </u>	Preparation Total:	\$4,512.5
No.	Section 2: Grading				
8	Roadway Excavation Incl. Haul	350	CY	\$11.50	\$4,025.0
9	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	240	TN	\$16.00	\$3,840.0
10	Embankment Compaction	100	CY	\$1.50	\$150.0
N	0-41-0-0-0-1			Grading Total:	\$8,015.0
No.	Section 3: Drainage		CV	\$14.00	60.0
11	Ditch Excavation Incl. Haul Quarry Spalls	0	CY	\$14.00 \$50.00	\$0.00 \$0.00
12	Quarry Spalls		U1	Drainage Total:	\$0.0
No.	Section 4: Storm Sewer		F'-	Drainago i Jan	•0.0
13	Catch Basin Type 1L	5	EA	\$1,200.00	\$6,000.00
14	Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.0
15	Sched. A Storm Sewer Pipe 12 In. Diam.	405	LF	\$30.00	\$12,150.00
16	Sched. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.0
				Storm Sewer Total:	\$18,150.00
No.	Section 5: Sanitary Sewer				
N .	B. d. A SM. a Live			Sanitary Sewer Total:	\$0.0
No.	Section 6: Water Lines			Water Lines Total:	\$0.00
No.	Section 7: Surfacing			Water Lines Total.	40.00
17	Gravel Base	500	TN	\$9.00	\$4,500.00
18	Crushed Surfacing Top Course	130	TN	\$21.00	\$2,730.00
				Surfacing Total:	\$7,230.00
No.	Section 8: Hot Mix Asphalt				
19	HMA CL. 1/2 In. PG 64-22	90	TN	\$100.00	\$9,000.0
20	Longitudinal Joint Seal	405	LF	\$1.50	\$607.50
			-	Hot Mix Asphalt Total:	\$9,607.5
No.	Section 9: Erosion Control	4	FCT	#4 000 00	\$4,000.00
21	Temporary Erosion/Water Pollution Control Landscaping	1 1	LS LS	\$4,000.00 \$2,000.00	\$4,000.00 \$2,000.00
- 22	Laituscaping		LO	Erosion Control Total:	\$6,000.00
No.	Section 10: Traffic		-51		40,000.0
23	Cement Conc. Traffic Curb and Gutter	405	LF	\$18.00	\$7,290.00
24	Cement Conc. Pedestrian Curb	45	LF	\$16.00	\$720.00
25	Paint Line	405	LF	\$0.50	\$202.50
26	Plastic Crosswalk Line	30	SF	\$5.00	\$150.00
27	Plastic Stop Line	70	LF	\$15.00	\$1,050.00
28	Plastic Bicycle Lane Symbol	0	EA	\$68.00	\$0.00
29	Pedestrian Traffic Control	0	LS	\$10,000.00	\$0.00
30	Plastic Traffic Letter/Arrows	0	HUND	\$68.00 \$290.00	\$0.00 \$0.00
32	Raised Pavement Marker - Type 1 and 2 Permanent Signing	1	LS	\$1,000.00	\$1,000.00
33	Illumination System	0	LS	\$30,000.00	\$0.00
34	Temporary Project Traffic Control	1	LS	\$8,000.00	\$8,000.00
				Traffic Total:	\$18,412.50
No.	Section 11: Other Items				
35	Structure Excavation Class B Incl. Haul	150	CY	\$9.00	\$1,350.00
36	Contractor Provided Construction Surveying	11	LS	\$3,000,00	\$3,000.00
37	Cement Conc. Sidewalk	225	SY	\$33.00	\$7,425.00
38	Cement Conc. Driveway	30	SY	\$60.00	\$1,800.00
39	Cement Conc. Curb Ramp	3	EA	\$1,200.00	\$3,600.00
40	Modular Gravity Block Wall	160	SF EA	\$35.00 \$300.00	\$5,600.00 \$600.00
42	Adjust Utility Structures Relocate Existing Fire Hydrant	1	EA	\$2,000.00	\$2,000.00
43	Force Account Potholing Utilities	1	EST.	\$500.00	\$500.0
44	Roadside Cleanup	1	EST.	\$1,500.00	\$1,500.0
45	SPCC Plan	1	LS	\$1,000.00	\$1,000.0
46	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$5,000.00	\$5,000.0
47	Wetland Mitigation	0	AC	\$40,000.00	\$0.0
48	Pedestrian Handrail	0	LF	\$90.00	\$0.0
				Other Items Total:	
		Fetimate	d Work	Done Contractor Subtotal:	\$113,726.

SITE #13 SR 525 SIDEWALKS - 92nd STREET TO 86th STREET

CURRENT CONDITIONS

The study area is located along State Route (SR) 525 in central Mukilteo. SR 525 is classified as an principal arterial. The existing two-lane roadway is paved with an east side pavement width of 16 feet that accommodates a travel lane and a bicycle lane. The west side pavement has an 11-foot lane and a paved shoulder varying from four to eight feet. Shoulder treatments outside existing southbound shoulders include a paved sidewalk and vegetated fill slopes with and without guardrail protection. Runoff sheet flows from the existing roadway onto fill slopes or along the paved sidewalk edge until it reaches the fill slopes. No stormwater collection structures or conveyance piping was observed. Pedestrian input to the study area is generated by local residents or pass-through users and is restricted to only the east side of the roadway. Field evaluations assessed 2,230 feet of roadway and identified pedestrian routes not separated from vehicular travel ways and stormwater that is not adequately controlled.

86th Street Paine Field Blwd. 1 92nd Street

SITE CHALLENGES

Existing utility poles will need relocation, construction will occur along a very busy corridor, very large retaining walls will be required to support proposed improvements, existing sensitive areas lie immediately adjacent to expected construction limits and will require mitigation if impacted, existing utility pipelines will need to be crossed, and street conditions along the northbound lane of SR 525 satisfy motorized and non-motorized uses, but exclude the landscaping standard required by the City's arterial roadway classification.

PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and drainage issues by the widening the existing roadway, installing an enclosed storm conveyance system, and by installing pedestrian sidewalk and bicycle improvements. Construction elements include site preparation, roadway excavation, large-scale retaining walls, stormwater piping and structures, new paved shoulders for bicycle use, new curb and gutter to manage runoff, new sidewalks and curb ramps to improve pedestrian accessibility, and adjustments to street signage and utility features. Proposed improvements will be confined to only the west (southbound) side of SR 525 and will match roadway conditions found along the east (northbound) side of this state route.

	Total Estimated Cost Work Done Contractor	\$1,272,446.57
	Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%		\$152,693.59
PE (Prelim. Engineering for Environmental and Permits) - 2%		\$25,448.93
CE (Construction Contract Administration/Construction Management) - 12%		\$152,693.59
City of Mukilteo Mar	nagement of Design and Construction Effort - 5%	\$63,622.33
City o	f Mukilteo Owner's Reserve or Contingency - 5%	\$63,622.33
	Schedule Total	\$1,730,527.33

Date of Scoping Review:	December 10, 2014			
Project:	Project: City of Mukilteo Sidewalk Planning Assessments Location: Site #13: SR 525 Sidewalks - 92nd Street to 86th Street County: Snohomish			
Location:				
County:				
Total Approximate Length:	2,230 LF			
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with HMA, Delineation,			
	Utilities, Signing, Illumination, Landscaping, and Stormwater N	/lanagement, etc.		
	Section	Estimated Cost		
	Preparation	\$99,707.40		
	Grading	\$159,850.00		
	Drainage	\$2,500.00		
	Storm Sewer	\$88,400.00		
	Sanitary Sewer	\$0.00		
Tatal Fatiments d Ocata	Water Lines	\$0.00		
Total Estimated Costs	Surfacing	\$35,250.00		
Work Done Contractor (WDC)	Hot Mix Asphalt	\$38,345.00		
	Erosion Control	\$45,000.00		
	Traffic	\$107,205.00		
	Other Items	\$432,900.00		
	Subtotal Work Done Contractor	\$1,009,157.40		
	Planning Level Design Contingency - 20%	\$201,831.48		
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$61,457.69		
	Total Estimated Cost Work Done Contractor	\$1,272,446.57		
	Additional R/W	\$0.00		
PE (Prelim. Engr. for	\$152,693.59			
	(Prelim. Engineering for Environmental and Permits) - 2%	\$25,448.93		
	Contract Administration/Construction Management) - 12%	\$152,693.59		
	kilteo Management of Design and Construction Effort - 5%	\$63,622.33		
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$63,622.33		
	Schedule Total	\$1,730,527.33		

Disclaimers:

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

Site #13: SR 525 Sidewalks - 92nd Street to 86th Street

1000	triple it with the form of the property of the second of	Hall Speed Hall Co.			18 18 18
t	Description	Quantity	Unit	Unit Price	Estimated Amoun
No. 5	Section 1: Preparation	2012			
_	Mobilization (8% of WDC Subtotal)	111	LS	\$74,752,40	\$74,752,4
	Clearing and Grubbing	1.0	AC	\$3,500.00	\$3,500,0
	Sawcutting	2,230	LF	\$2.50	\$5,575.0
	Removal of Structure and Obstruction	11	LS	\$8,000.00	\$8,000.0
	Removing Cement Conc. Sidewalk	60	SY	\$8.00	\$480.0
	Removing Cement Conc. Curb and Gutter	1,750	LF SY	\$4.00 \$4.00	\$400.0 \$7,000.0
7 F	Removing Asphalt Conc. Pavernent	1,750	31	Preparation Total:	\$24,955.0
No. S	Section 2: Grading			r reparadon rotal.	VE 4,000.0
	Roadway Excavation Incl. Haul	1,500	CY	\$11.50	\$17,250.0
	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	8,500	TN	\$16,00	\$136,000.0
	Embankment Compaction	4,400	CY	\$1.50	\$6,600.0
10	Embanimont Compactors	1,100	- ·	Grading Total:	\$159,850.0
No. S	Section 3: Drainage				
	Ditch Excavation Incl. Haul	0	CY	\$14,00	\$0.0
	Quarry Spalls	50	CY	\$50.00	\$2,500.0
-1-	addity opinio		-	Drainage Total:	\$2,500.0
No.	Section 4: Storm Sewer				
	Catch Basin Type 1L	15	EA	\$1,200.00	\$18,000.0
	Catch Basin Type 2 - 48 In. Diam.	4	EA	\$2,300.00	\$9,200.0
	Sched, A Storm Sewer Pipe 12 In. Diam.	1,350	LF	\$30.00	\$40,500.0
_	Sched, A Storm Sewer Pipe 18 In, Diam,	450	LF LF	\$46.00	\$20,700.0
10	conce. A distill cower i ipe to ili, bishi,	100		Storm Sewer Total:	\$88,400.0
No. S	Section 5: Sanitary Sewer				
INO.	oodon or outlinery cours.			Sanitary Sewer Total:	\$0.0
No.	Section 6: Water Lines				
1101	SCOULDING THOUSE MINISO			Water Lines Total:	\$0.0
No. S	Section 7: Surfacing		LUGUE		
	Gravel Base	2,400	TN	\$9,00	\$21,600.0
	Crushed Surfacing Top Course	650	TN	\$21.00	\$13,650.0
				Surfacing Total:	\$35,250.0
No. S	Section 8: Hot Mix Asphalt				
	HMA CL. 1/2 In. PG 64-22	350	TN	\$100.00	\$35,000.0
	Longitudinal Joint Seal	2,230	LF	\$1.50	\$3,345.0
	zong taantar oom tood			Hot Mix Asphalt Total:	\$38,345.0
No. S	Section 9: Erosion Control		E _{wee}	•	
	Temporary Erosion/Water Pollution Control	1	EST.	\$35,000.00	\$35,000.0
	Landscaping	1	LS	\$10,000,00	\$10,000.0
	and the same of th			Erosion Control Total:	\$45,000.0
No.	Section 10: Traffic				
	Cement Conc. Traffic Curb and Gutter	2,260	LF	\$18.00	\$40,680.0
	Cement Conc. Pedestrian Curb	30	LF	\$16.00	\$480.0
	Paint Line	2,230	LF	\$0.50	\$1,115.0
	Plastic Crosswalk Line	126	SF	\$5.00	\$630.0
	Plastic Stop Line	20	LF	\$15.00	\$300.0
	Plastic Bicycle Lane Symbol	0	EA	\$68.00	\$0.0
-	Pedestrian Traffic Control	0	LS	\$10,000.00	\$0.0
	Plastic Traffic Letter/Arrows	0	EA	\$68.00	\$0.0
	Raised Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.0
	Permanent Signing	1	LS	\$4,000.00	\$4,000.0
	Illumination System	0	LS	\$30,000.00	\$0.0
	Temporary Project Traffic Control	1	LS	\$60,000.00	\$60,000.0
				Traffic Total:	\$107,205.0
No.	Section 11: Other Items		N E		
	Structure Excavation Class B Incl. Haul	700	CY	\$9.00	\$6,300.0
	Contractor Provided Construction Surveying	1	LS	\$15,000.00	\$15,000.0
	Cement Conc. Sidewalk	1,500	SY	\$33.00	\$49,500.0
	Cement Conc. Driveway	80	SY	\$60.00	\$4,800.0
	Cement Conc. Curb Ramp	2	EA	\$1,200.00	\$2,400.0
	Modular Gravity Block Wall	6,200	SF	\$40.00	\$248,000.0
-	Adjust Utility Structures	4	EA	\$300.00	\$1,200.0
	Relocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0.0
	Force Account Potholing Utilities	1	EST.	\$3,500.00	\$3,500.0
	Roadside Cleanup	1	EST.	\$2,500.00	\$2,500.0
	SPCC Plan	1	LS	\$1,000.00	\$1,000.0
	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$30,000.00	\$30,000.0
	Wetland Mitigation	0.3	AC	\$40,000.00	\$12,000.0
	Pedestrian Handrail	630	LF	\$90.00	\$56,700.0
40	i euconian i i anulan	1 000		Other Items Total:	

SITE #14 53RD AVENUE SIDEWALKS - 88TH STREET TO 92ND STREET

CURRENT CONDITIONS

The study area is located in a residential district in central Mukilteo west of State Route 525. 53rd Avenue is classified as local access. The existing roadway has two nine-foot paved lanes lined with asphalt and gravel shoulders ranging in width from zero to two feet. Open ditches and driveway culverts collect and convey existing roadway runoff. Pedestrian input to the study area is generated by local residents. Field evaluations assessed 1,250 feet of roadway and identified no pedestrian routes to separate non-motorized traffic from existing travel lanes and areas of unmanaged drainage.

SITE CHALLENGES

Existing utility poles and structures will need relocation, mature trees will need removal, coordination will be required to reconcile private use of the public right-of-way, very large retaining walls will be required to widen the road for on-street parking, a stream crosses perpendicular to the roadway and will require mitigation for work within its limits to install culvert pipe extensions, large existing ditches at the end of improvements on 88th Street will create a pedestrian accessibility issue, street conditions at the south end of the study area satisfy the needs of pedestrians, but do not meet ADA standards.

PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian and drainage issues by the widening the existing roadway, installing a new storm conveyance system, and by installing pedestrian improvements. Construction work elements include site preparation, roadway excavation, large-scale retaining walls,





stream culvert extensions, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to improve pedestrian accessibility, and adjustments to street signage and utility features. Proposed improvements will be installed on both sides of the roadway and will match the roadway section defined by the City's local access functional classification.

Total	Estimated Cost Work Done Contractor	\$893,925.02
	Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%		\$107,271.00
PE (Prelim. Engineering for Environmental and Permits) - 2%		\$17,878.50
CE (Construction Contract Administration/Construction Management) - 12%		\$107,271.00
City of Mukilteo Management of Design and Construction Effort - 5%		\$44,696.25
City of Mukilt	eo Owner's Reserve or Contingency - 5%	\$44,696.25
	Schedule Total	\$1,215,738.02

Date of Scoping Review:	December 10, 2014				
Project:	ct: City of Mukilteo Sidewalk Planning Assessments				
	John Orly of Milliam M				
Location:	n: Site #14: 53rd Avenue Sidewalks - 88th Street to 92nd Street				
County	Snohomish				
oounty.	Chonomish				
Total Approximate Length:	1,250 LF				
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with HMA, Delineation,				
	Utilities, Signing, Illumination, Landscaping, and Stormwater M	lanagement, etc.			
	Section	Estimated Cost			
	Preparation	\$68,450.40			
	Grading	\$42,137.50			
	Drainage	\$2,500.00			
	Storm Sewer	\$94,200.00			
	Sanitary Sewer	\$0.00			
	Water Lines	\$0.00			
Total Estimated Costs	Surfacing	\$45,375.00			
Work Done Contractor (WDC)	Hot Mix Asphalt	\$46,250.00			
	Erosion Control	\$5,500.00			
	Traffic	\$77,470.00			
	Other Items	\$327,075.00			
	Subtotal Work Done Contractor	\$708,957.90			
	Planning Level Design Contingency - 20%	\$141,791.58			
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$43,175.54			
	Total Estimated Cost Work Done Contractor	\$893,925.02			
	Additional R/W	\$0.00			
PE (Prelim, Engr. for G	\$107,271.00				
	\$17,878.50				
PE (Prelim. Engineering for Environmental and Permits) - 2% CE (Construction Contract Administration/Construction Management) - 12%		\$107,271.00			
	ilteo Management of Design and Construction Effort - 5%	\$44,696.25			
oy or man	City of Mukilteo Owner's Reserve or Contingency - 5%	\$44,696.25			
	Schedule Total	\$1,215,738.02			

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

CITY OF MUKILTEO - SIDEWALK PLANNING ASSESSMENTS (Planning-Level Cost Estimate)

Site #14: 53rd Avenue Sidewalks - 88th Street to 92nd Street

DOMESTIC NOTES	Approximate Length of Sec	tion 1,250	LF	Control of the Control	
Desc	cription	Quantity	Unit	Unit Price	Estimated Amour
	ion 1: Preparation				
	lization (8% of WDC Subtotal)	1,0	LS	\$52,515.40	\$52,515,4
2 Clear	ring and Grubbing	0.9	AC	\$3,500.00	\$3,185.0
3 Sawo	cutting	2,500	LF	\$2.50	\$6,250.
	oval of Structure and Obstruction	1	LS	\$5,000.00	\$5,000.0
	oving Cement Conc. Sidewalk	0	SY	\$8.00	\$0.0
	oving Cement Conc. Curb and Gutter	375	LF SY	\$4.00 \$4.00	\$0.0 \$1,500.0
7 Remo	oving Asphalt Conc. Pavement	375	31	Preparation Total:	\$15,935.0
No. Secti	ion 2: Grading	- Contract			V.1.4,1.4.1.
	way Excavation Incl. Haul	3,300	CY	\$11.50	\$37,950.0
	el Βοιτοw Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	250	TN	\$16.00	\$4,000.0
	ankment Compaction	125	CY	\$1.50	\$187.5
			7	Grading Total:	\$42,137.5
	lon 3: Drainage				
	Excavation Incl. Haul	0	CY	\$14.00	\$0.0
12 Quar	ry Spalls	50	CY	\$50.00	\$2,500.0
			110	Drainage Total:	\$2,500.0
	ion 4: Storm Sewer	- 40	EA.	A4 000 00	#40.000.0
	h Basin Type 1L	16	EA	\$1,200.00	\$19,200.0
	h Basin Type 2 - 48 In. Diam.	0	LF LF	\$2,300.00 \$30.00	\$0.0 \$75,000.0
	ed. A Storm Sewer Pipe 12 In. Diam.	2,500	LF	\$46.00	\$75,000.0
16 Scrie	d. A Storm Sewer Pipe To III. Diam.	- ·		Storm Sewer Total:	\$94,200.0
No. Secti	ion 5: Sanitary Sewer			0.0	
				Sanitary Sewer Total:	\$0.0
No. Secti	ion 6: Water Lines				
				Water Lines Total:	\$0.0
No. Secti	ion 7: Surfacing				
17 Grave	el Base	3,175	TN	\$9.00	\$28,575.0
18 Crusi	hed Surfacing Top Course	800	TN	\$21.00	\$16,800.0
				Surfacing Total:	\$45,375.0
	ion 8: Hot Mix Asphalt			0.100.00	*10.500.0
	CL. 1/2 In. PG 64-22	425	TN	\$100.00	\$42,500.0
20 Long	itudinal Joint Seal	2,500	LF	\$1.50 Hot Mix Asphalt Total:	\$3,750.0 \$46,250.0
No. Secti	ion 9: Erosion Control			not mix Aspirait Total	\$40,230.0
	porary Erosion/Water Pollution Control	1	EST.	\$2,500.00	\$2,500.0
	scaping	1	LS	\$3,000.00	\$3,000.0
ZZ CONO	booping			Erosion Control Total:	\$5,500.0
No. Secti	ion 10: Traffic				
23 Ceme	ent Conc. Traffic Curb and Gutter	2,500	LF	\$18.00	\$45,000.0
24 Ceme	ent Conc. Pedestrian Curb	60	LF	\$16.00	\$960.0
25 Paint	t Line	3,750	LF	\$0.50	\$1,875.0
26 Plast	tic Crosswalk Line	432	SF	\$5.00	\$2,160.0
	tic Stop Line	65	LF	\$15.00	\$975.0
	tic Bicycle Lane Symbol	0	EA	\$68.00	\$0.0
	estrian Traffic Control	0	LS	\$10,000.00	\$0.0
	tic Traffic Letter/Arrows	0	EA	\$68.00	\$0.0
	ed Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.0 \$1,500.0
	nanent Signing	0	LS	\$1,500.00 \$0.00	\$1,500.0
	ination System porary Project Traffic Control	1	LS	\$25,000.00	\$25,000.0
34 [611]	porary Project Hamic Control			Traffic Total:	\$77,470.0
No. Secti	ion 11: Other Items			uno roun	Ç. 1, 1, 0.0
	cture Excavation Class B Incl. Haul	925	CY	\$9.00	\$8,325.0
	ractor Provided Construction Surveying	1	LS	\$7,500.00	\$7,500.0
	ent Conc. Sidewalk	1,400	SY	\$33.00	\$46,200.0
38 Cem	ent Conc. Driveway	225	SY	\$60.00	\$13,500.0
39 Cem	ent Conc. Curb Ramp	4	EA	\$1,200.00	\$4,800.0
	ular Gravity Block Wall	5,150	SF	\$35.00	\$180,250.0
	st Utility Structures	0	EA	\$300.00	\$0.
	cate Existing Fire Hydrant	0	EA	\$2,000.00	\$0.
	e Account Potholing Utilities	0	EST.	\$0.00	\$0.
	dside Cleanup	11	EST.	\$5,000.00	\$5,000.0
	C Plan	1	LS	\$1,000.00	\$1,000.0
	mwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$20,000.00	\$20,000.
	and Mitigation	450	AC LF	\$40,000.00 \$90.00	\$0.0 \$40,500.0
48 Pede	estrian Handrail	450	I LF	Other Items Total:	\$327,075.
				one Contractor Subtotal:	\$0£1,010.

SITE #16 CHENNAULT BEACH ROAD SIDEWALKS - 4400 BLOCK

CURRENT CONDITIONS

The study area is located in a commercial district within central Mukilteo and is classified as an urban collector. The existing two-lane roadway is paved and has both gravel and paved shoulders ranging from one to eight feet wide. Areas of existing shoulder are currently being used for parking. Open ditches and cross culverts collect and convey roadway runoff in front of businesses. Pedestrian input is comprised of local business patrons and employees and focus in areas on the north side of the corridor. Field evaluations assessed 500 feet of roadway and identified disconnected pedestrian routes and many existing utilities within expected work limits.

SITE CHALLENGES

Existing utility structures will need relocation, coordination will be required to reconcile private use of the public right-of-way, construction will affect daily high-use of the roadway and commercial accesses, and the proposed arterial design standard should be reconciled against roadway standards already constructed within the corridor.

PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access by widening existing roadway sections, installing drainage system upgrades, and by connecting existing pedestrian routes. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, and adjustments to street signage and minor utility features.





Only the south side of the street will be improved with the proposed roadway section matching that of the existing section on each end of the study area.

PROJECT COST ESTIMATE

	Total Estimated Cost Work Done Contractor	\$157,836.18
	Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsma	anship, Design, Utility, PS&E, Ad & Award) - 12%	\$18,940.34
PE (Prelim.	Engineering for Environmental and Permits) - 2%	\$3,156.72
CE (Construction Contract	Administration/Construction Management) - 12%	\$18,940.34
City of Mukilteo Ma	nagement of Design and Construction Effort - 5%	\$7,891.81
City o	of Mukilteo Owner's Reserve or Contingency - 5%	\$7,891.81
	Schedule Total	\$214,657.21

APPENDIX A - ENGINEER'S ESTIMATE

Date of Scoping Review:	December 10, 2014					
Project:	: City of Mukilteo Sidewalk Planning Assessments					
Location:	Site #16; Chennault Beach Road Sidewalks - 4400 Block					
Location.	One #10. Chemiaun Beach Road Sidewarks - 4400 Block					
County:	Snohomish					
Total Approximate Length:	500 LF					
	Site Preparation, Grading, Drainage, Surfacing, Paving with H					
	Utilities, Signing, Illumination, Landscaping, and Stormwater N	lanagement, etc.				
	Section	Estimated Cost				
	Preparation	\$11,962.40				
	Grading	\$16,600.00				
	Drainage	\$0.00				
	Storm Sewer	\$19,800.00				
	Sanitary Sewer	\$0.00				
Total Estimated Costs	Water Lines	\$0.00				
	Surfacing	\$10,200.00				
Work Done Contractor (WDC)	Hot Mix Asphalt	\$13,250.00				
	Erosion Control	\$4,500.00				
	Traffic	\$25,250.00				
	Other Items	\$23,615.00				
	Subtotal Work Done Contractor	\$125,177.40				
	Planning Level Design Contingency - 20%	\$25,035.48				
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$7,623.30				
	Total Estimated Cost Work Done Contractor	\$157,836.18				
	A 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40.00				
DE (D. 1) . E	Additional R/W	\$0.00				
PE (Prelim, Engr. for G	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$18,940.34				
	Prelim. Engineering for Environmental and Permits) - 2%	\$3,156.72				
3	Contract Administration/Construction Management) - 12%	\$18,940.34				
City of Muk	ilteo Management of Design and Construction Effort - 5%	\$7,891.81				
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$7,891.81				
	Schedule Total	\$214,657.21				

Limitations:

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

CITY OF MUKILTEO - SIDEWALK PLANNING ASSESSMENTS (Planning-Level Cost Estimate)

Site #16: Chennault Beach Road Sidewalks - 4400 Block

C/// 10	Approximate Length of Sec	ction 500	LF		315 1003 113 175
	Description	Quantity	Unit	Unit Price	Estimated Amount
No.	Section 1: Preparation				
1	Mobilization (8% of WDC Subtotal)	1.0	LS	\$9,272.40	\$9,272.4
2	Clearing and Grubbing	0.1	AC	\$3,500.00	\$420.0
3	Sawcutting	500	LF	\$2.50	\$1,250.0
4	Removal of Structure and Obstruction	0	LS	\$0.00	\$0.0
5	Removing Cement Conc. Sidewalk	0	SY	\$8.00	\$0.0
<u>6</u> 7	Removing Cement Conc. Curb and Gutter	255	LF	\$4.00 \$4.00	\$0.0 \$1,020.0
′	Removing Asphalt Conc. Pavement	200	31	Preparation Total:	\$2,690.00
No.	Section 2: Grading			i reparation rotali	\$2,000,00
8	Roadway Excavation Incl. Haul	500	CY	\$11.50	\$5,750.00
9	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	650	TN	\$16.00	\$10,400.00
10	Embankment Compaction	300	CY	\$1.50	\$450.00
	·			Grading Total:	\$16,600.00
No.	Section 3: Drainage				
11	Ditch Excavation Incl. Haul	0	CY	\$14.00	\$0.00
12	Quarry Spalls	0	CY	\$50.00	\$0.00
				Drainage Total:	\$0.00
No.	Section 4: Storm Sewer				
13	Catch Basin Type 1L	4	EA	\$1,200.00	\$4,800.00
14	Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.00
15	Sched, A Storm Sewer Pipe 12 In. Diam.	500	LF LF	\$30.00 \$46.00	\$15,000.00 \$0.00
16	Sched. A Storm Sewer Pipe 18 In. Diam.	- 0	LF	Storm Sewer Total:	\$19,800.00
No.	Section 5: Sanitary Sewer			Storm Sewer Total.	\$15,000.00
140.	Oction 5. Gaintary Cowon			Sanitary Sewer Total:	\$0.00
No.	Section 6: Water Lines				
				Water Lines Total:	\$0.00
No.	Section 7: Surfacing				
17	Gravel Base	725	TN	\$9.00	\$6,525.00
18	Crushed Surfacing Top Course	175	TN	\$21.00	\$3,675.00
				Surfacing Total:	\$10,200.00
No.	Section 8: Hot Mix Asphalt	157. L.H			
19	HMA CL. 1/2 In. PG 64-22	125	TN	\$100.00	\$12,500.00
20	Longitudinal Joint Seal	500	LF	\$1.50	\$750.00
				Hot Mix Asphalt Total:	\$13,250.00
No.	Section 9: Erosion Control			********	40.000.00
21	Temporary Erosion/Water Pollution Control	1	EST.	\$2,000.00	\$2,000.00
22	Landscaping	1	LS	\$2,500.00 Erosion Control Total:	\$2,500.00 \$4,500.00
No.	Section 10: Traffic			Elosion Control Total.	\$4,500.00
23	Cement Conc. Traffic Curb and Gutter	500	LF	\$18.00	\$9,000.00
24	Cement Conc. Pedestrian Curb	0	LF	\$16.00	\$0.00
25	Paint Line	500	LF	\$0.50	\$250.00
26	Plastic Crosswalk Line	0	SF	\$5.00	\$0.00
27	Plastic Stop Line	0	LF	\$15.00	\$0.00
28	Plastic Bicycle Lane Symbol	0	EA	\$68.00	\$0.00
29	Pedestrian Traffic Control	0	LS	\$0.00	\$0.00
30	Plastic Traffic Letter/Arrows	0	EA	\$68.00	\$0.00
31	Raised Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.00
32	Permanent Signing	1	LS	\$1,000.00	\$1,000.00
33	Illumination System	0	LS	\$0.00	\$0.00
34	Temporary Project Traffic Control	1	LS	\$15,000.00	\$15,000.00
				Traffic Total:	\$25,250.00
No.	Section 11: Other Items	100	OV	#n.c^	04 00= 0
35	Structure Excavation Class B Incl. Haul	185	CY	\$9.00	\$1,665.00
36	Contractor Provided Construction Surveying	250	LS	\$3,000.00 \$33.00	\$3,000.00 \$8,250.00
37	Cement Conc. Sidewalk Cement Conc. Driveway	250 100	SY	\$60.00	\$6,000.00
38	Cement Conc. Curb Ramp	0	EA	\$1,200.00	\$0,000.00
40	Modular Gravity Block Wall	0	SF	\$35.00	\$0.00
41	Adjust Utility Structures	4	EA	\$300.00	\$1,200.00
42	Relocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0.00
43	Force Account Potholing Utilities	0	EST.	\$0.00	\$0.00
44	Roadside Cleanup	1	EST.	\$2,500.00	\$2,500.00
45	SPCC Plan	1	LS	\$1,000.00	\$1,000.00
46	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	0	LS	\$0.00	\$0.00
47	Wetland Mitigation	0	AC	\$40,000.00	\$0.00
48	Pedestrian Handrail	0	LF	\$90.00	\$0.00
				Other Items Total:	
		Eetlmate	d Work D	one Contractor Subtotal:	\$125,177.4

SITE #17

CYRUS WAY SIDEWALKS - HARBOUR POINTE BOULEVARD TO SR 525

CURRENT CONDITIONS

The study area is located in a commercial district within central Mukilteo and is classified as an urban collector. The existing two-lane roadway is paved and has both gravel and paved shoulders. Existing shoulder widths vary from six inches at undeveloped parcels to eight feet in areas with designated paved parking. In many areas, the existing pavement is just wide enough for vehicular travel. Developed parcels along the stormwater management through corridor provide combination of concrete curbing and catch basins. Undeveloped parcels offer open ditches and cross street culverts along their street frontage. Pedestrian input is comprised of local business patrons and employees and focus at segmented sidewalks on both sides of the roadway. Field evaluations assessed 1,400 feet of roadway and identified disconnected pedestrian routes, sensitive areas, and many areas of unmanaged drainage.

Russell Road All Harbour Points Blvd. Harbour Points Blvd.

SITE CHALLENGES

Existing utility structures will need relocation, construction will occur near an existing ponding area with mitigation being required if this area is delineated as a sensitive area and is impacted, multiple drainage basins will create the need for multiple stormwater management facilities, construction will affect daily high-use of the roadway and commercial accesses, and the proposed arterial design standard should be reconciled against varying roadway standards already constructed within the corridor.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and drainage issues by widening existing roadway sections, installing drainage system upgrades, and by connecting existing pedestrian routes. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, small-scale retaining walls to minimize environmental impacts, and adjustments to street signage and minor utility features. Both sides of the street will be improved with the proposed roadway section matching that of the existing arterial roadway section.

PROJECT COST ESTIMATE

Total Estimated Cost Work Done Contractor	\$464,022.45
Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$55,682.69
PE (Prelim. Engineering for Environmental and Permits) - 2%	\$9,280.45
CE (Construction Contract Administration/Construction Management) - 12%	\$55,682.69
City of Mukilteo Management of Design and Construction Effort - 5%	\$23,201.12
City of Mukilteo Owner's Reserve or Contingency - 5%	\$23,201.12
Schedule Total	\$631,070,53

APPENDIX A - ENGINEER'S ESTIMATE

Date of Scoping Review:	December 10, 2014					
Project: (City of Mukilteo Sidewalk Planning Assessments					
l a sette de	214 H47 O Was Cidenalles Harbour Points Divides CD 505					
Location:	Site #17: Cyrus Way Sidewalks - Harbour Pointe Blvd to S	K 525				
County: S	ohomish					
County	STICHOTHICH.					
Total Approximate Length:	1,400 LF					
Type of Work: S	Site Preparation, Grading, Drainage, Surfacing, Paving with H	MA, Delineation,				
	Jtilities, Signing, Illumination, Landscaping, and Stormwater M					
	* * * * * * * * * * * * * * * * * * * *					
	Section	Estimated Cost				
	Preparation	\$33,833.9				
The second second second	Grading	\$38,500.0				
The State of Park Ann	Drainage	\$500.00				
	Storm Sewer	\$54,000.0				
	Sanitary Sewer	\$0.00				
Total Estimated Costs	Water Lines	\$0.00				
Work Done Contractor (WDC)	Surfacing	\$32,325.00 \$24,600.00				
	Hot Mix Asphalt					
	Erosion Control	\$32,500.0				
	Traffic	\$51,900.00				
	Other Items	\$99,850.00				
	Subtotal Work Done Contractor	\$368,008.92				
	Planning Level Design Contingency - 20%	\$73,601.78				
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$22,411.74				
	Total Estimated Cost Work Done Contractor	\$464,022.4				
	Additional R/W	\$0.0				
PE (Prelim. Enar. for G	rantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$55,682.6				
	Prelim. Engineering for Environmental and Permits) - 2%	\$9,280.4				
	contract Administration/Construction Management) - 12%	\$55,682.6				
	Iteo Management of Design and Construction Effort - 5%	\$23,201.1				
	City of Mukilteo Owner's Reserve or Contingency - 5%	\$23,201.1				
	Schedule Total	\$631,070.5				

Limitations:

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
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 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

CITY OF MUKILTEO - SIDEWALK PLANNING ASSESSMENTS (Planning-Level Cost Estimate)

Site #17: Cyrus Way Sidewalks - Harbour Pointe Blvd to SR 525

	Approximate Length of Sect		NUS DE		
	Description	Quantity	Unit	Unit Price	Estimated Amoun
No.	Section 1: Preparation		world.		
1	Mobilization (8% of WDC Subtotal)	1.0	LS	\$27,259.92	\$27,259.9
2	Clearing and Grubbing	0.7	AC	\$3,500.00	\$2,450.0
3	Sawcutting	1,400	LF	\$2.50	\$3,500.0
4	Removal of Structure and Obstruction	0	LS	\$20,000.00	\$0.0
5	Removing Cement Conc. Sidewalk	0	SY	\$8.00	\$0.0
6	Removing Cement Conc. Curb and Gutter	0	LF	\$4.00	\$0.0
7	Removing Asphalt Conc. Pavement	156	SY	\$4.00	\$624.0
				Preparation Total:	\$6,574.0
No.	Section 2: Grading	4.000	01/	¢44.50	m40,400,0
8	Roadway Excavation Incl. Haul	1,600	CY	\$11.50 \$16.00	\$18,400.0 \$19,200.0
9	Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies) Embankment Compaction	1,200 600	CY	\$1.50	\$19,200.0
10	Embankment Compaction	1 000	U.	Grading Total:	\$38,500.0
No.	Section 3: Drainage			Grading roun	\$00,000.
11	Ditch Excavation Incl. Haul	0	CY	\$14.00	\$0.0
12	Quarry Spalls	10	CY	\$50.00	\$500.0
-12	addity Optilio		-	Drainage Total:	\$500.0
No.	Section 4: Storm Sewer		14		· · · · · · · · · · · · · · · · · · ·
13	Catch Basin Type 1L	10	EA	\$1,200.00	\$12,000.0
14	Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.0
15	Sched, A Storm Sewer Pipe 12 In, Diam.	1,400	LF	\$30.00	\$42,000.0
16	Sched, A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.0
				Storm Sewer Total:	\$54,000.0
No.	Section 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.0
No.	Section 6: Water Lines				
				Water Lines Total:	\$0.0
No.	Section 7: Surfacing	10 7 90	1100		
17	Gravel Base	2,250	TN	\$9.00	\$20,250.0
18	Crushed Surfacing Top Course	575	TN	\$21.00	\$12,075.0
				Surfacing Total:	\$32,325.0
No.	Section 8: Hot Mix Asphalt				
19	HMA CL. 1/2 In. PG 64-22	225	TN	\$100.00	\$22,500.0
20	Longitudinal Joint Seal	1,400	LF	\$1.50	\$2,100.0
				Hot Mix Asphalt Total:	\$24,600.0
No.	Section 9: Erosion Control				
21	Temporary Erosion/Water Pollution Control	11	EST.	\$7,500.00	\$7,500.0
22	Landscaping	1	LS	\$25,000.00 Erosion Control Total:	\$25,000.0 \$32,500.0
NI.	0V 40- TED-	_		Erosion Control Total:	\$32,500.0
No.	Section 10: Traffic	1,400	LF	\$18.00	\$25,200.0
23	Cement Conc. Traffic Curb and Gutter	0	LF	\$16.00	\$25,200.0
24 25	Cement Conc. Pedestrian Curb Paint Line	1,400	LF	\$0.50	\$700.0
26	Plastic Crosswalk Line	0	SF	\$5.00	\$0.0
27	Plastic Stop Line	0	LF	\$15.00	\$0.0
28	Plastic Stop Line Plastic Bicycle Lane Symbol	0	EA	\$68.00	\$0.0
29	Pedestrian Traffic Control	0	LS	\$10,000.00	\$0.0
30	Plastic Traffic Letter/Arrows	0	EA	\$68.00	\$0.0
31	Raised Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.0
32	Permanent Signing	1	LS	\$1,000.00	\$1,000.0
33	Illumination System	0	LS	\$0.00	\$0.0
34	Temporary Project Traffic Control	1	LS	\$25,000.00	\$25,000.0
				Traffic Total:	\$51,900.0
No.	Section 11: Other Items				
35	Structure Excavation Class B Incl. Haul	520	CY	\$9.00	\$4,680.0
36	Contractor Provided Construction Surveying	1	LS	\$4,500.00	\$4,500.0
37	Cement Conc. Sidewalk	950	SY	\$33.00	\$31,350.0
38	Cernent Conc. Driveway	32	SY	\$60.00	\$1,920.0
39	Cement Conc. Curb Ramp	0	EA	\$1,200.00	\$0.0
40	Modular Gravity Block Wall	600	SF	\$35.00	\$21,000.0
41	Adjust Utility Structures	3	EA	\$300.00	\$900.0
42	Relocate Existing Fire Hydrant	1	EA	\$2,000.00	\$2,000.0
43	Force Account Potholing Utilities	0	EST.	\$0.00	\$0.0
44	Roadside Cleanup	1	EST.	\$2,500.00	\$2,500.0
45	SPCC Plan	1	LS	\$1,000.00	\$1,000.0
	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$10,000.00	\$10,000.0
46			1	4	
46 47	Wetland Mitigation	0.05	AC	\$40,000.00	\$2,000.0
	Wetland Mitigation Pedestrian Handrail	200	LF	\$40,000.00 \$90.00 Miscellaneous Items Total:	\$2,000.0 \$18,000.0 \$99,850. 0

SITE #19 CYRUS WAY SIDEWALKS - EVERGREEN DRIVE TO SOUTH ROAD

CURRENT CONDITIONS

The study area is located in a commercial district within south Mukilteo and consists of two intersecting roadway segments. Cyrus Way has two 11-foot paved lanes and is classified as an urban collector. South Road has two 10-foot paved lanes and is classified as local access. Existing gravel and paved shoulder widths vary from one to two feet. Open ditches and segmented storm networks serve to manage roadway runoff. Pedestrian input to the study area is generated by local businesses and retail centers. Field evaluations assessed 1,900 feet of roadway and identified sections of disconnected pedestrian routes and areas of unmanaged drainage.

SITE CHALLENGES

Existing utility structures will need relocation, existing ditching may be considered sensitive and may require mitigation if impacted, construction will affect daily high-use of the roadways and commercial accesses, existing soils may prevent effective use of low-impact development measures, and multiple drainage basins will create multiple stormwater management facilities.

PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and drainage issues by widening existing roadway sections, installing drainage system upgrades, and by installing pedestrian access improvements. Construction elements include site preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, and adjustments to street signage and minor utility features. The horizontal and vertical components of the existing roadway will be maintained with all improvements matching current roadway conditions. Improvements are confined to the northbound lane of Evergreen Drive and the westbound lane of South Road.







PROJECT COST ESTIMATE

	Total Estimated Cost Work Done Contractor	\$511,247.34
	Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsm	anship, Design, Utility, PS&E, Ad & Award) - 12%	\$61,349.68
PE (Prelim.	Engineering for Environmental and Permits) - 2%	\$10,224.95
CE (Construction Contrac	t Administration/Construction Management) - 12%	\$61,349.68
City of Mukilteo Ma	anagement of Design and Construction Effort - 5%	\$25,562.37
City	of Mukilteo Owner's Reserve or Contingency - 5%	\$25,562.37
	Schedule Total	\$695,296.38

APPENDIX A - ENGINEER'S ESTIMATE

Date of Scoping Review:	December 10, 2014				
Project:	City of Mukilteo Sidewalk Planning Assessments				
Location:	n: Site #19: Cyrus Way Sidewalks - Evergreen Drive to South Road y: Snohomish				
County:					
Total Approximate Length:	1,900 LF				
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H	MA. Delineation.			
Туров: неги	Utilities, Signing, Illumination, Landscaping, and Stormwater M				
	Section	Estimated Cost			
	Preparation	\$39,857.24			
	Grading	\$48,125.00			
	Drainage	\$0.00			
	Storm Sewer	\$72,600.00			
	Sanitary Sewer	\$0.00			
	Water Lines	\$0.00			
Total Estimated Costs	Surfacing	\$42,750.00			
Work Done Contractor (WDC)	Hot Mix Asphalt	\$42,850.00			
	Erosion Control	\$7,500.00			
	Traffic	\$64,530.00			
	Other Items	\$87,250.00			
	Subtotal Work Done Contractor	\$405,462.24			
	Planning Level Design Contingency - 20%	\$81,092.45			
	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$24,692.65			
	Total Estimated Cost Work Done Contractor	\$511,247.34			
	Additional R/W	\$0.00			
PE (Prelim, Engr. for 0	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$61,349.68			
	(Prelim. Engineering for Environmental and Permits) - 2%	\$10,224.95			
	Contract Administration/Construction Management) - 12%	\$61,349.68			
	ilteo Management of Design and Construction Effort - 5%	\$25,562.37			
2.3, 57 116.	City of Mukilteo Owner's Reserve or Contingency - 5%	\$25,562.37			
	Schedule Total	\$695,296.38			

Limitations:

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

CITY OF MUKILTEO - SIDEWALK PLANNING ASSESSMENTS (Planning-Level Cost Estimate)

Site #19: Cyrus Way Sidewalks - Evergreen Drive to South Road

1600	Approximate Length of Section	1,900	LF		
ī	Description	Quantity	Unit	Unit Price	Estimated Amoun
	Section 1: Preparation				
	Mobilization (8% of WDC Subtotal)	1.0	LS	\$30,034.24	\$30,034.2
	Clearing and Grubbing	0.9	AC	\$3,500.00	\$3,045.0
	Sawcutting	1,900	LF	\$2.50	\$4,750.0
	Removal of Structure and Obstruction	0	LS	\$0.00	\$0.0
5 F	Removing Cement Conc. Sidewalk	0	SY	\$8.00	\$0.0
6 F	Removing Cement Conc. Curb and Gutter	0	LF	\$4.00	\$0.0
7 F	Removing Asphalt Conc. Pavement	507	SY	\$4.00	\$2,028.0
				Preparation Total:	\$9,823.0
No. 8	Section 2: Grading				
8 F	Roadway Excavation Incl. Haul	2,000	CY	\$11.50	\$23,000.0
9 (Gravel Borrow Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	1,500	TN	\$16.00	\$24,000.0
10 E	Embankment Compaction	750	CY	\$1.50	\$1,125.
				Grading Total:	\$48,125.
No. S	Section 3: Drainage				
11 [Ditch Excavation Incl. Haul	0	CY	\$14.00	\$0.
12 (Quarry Spalls	0	CY	\$50.00	\$0.0
				Drainage Total:	\$0.0
No. S	Section 4: Storm Sewer	-0.5	55.7		
13 (Catch Basin Type 1L	13	EA	\$1,200.00	\$15,600.0
	Catch Basin Type 2 - 48 In. Diam.	0	EA	\$2,300.00	\$0.
	Sched. A Storm Sewer Pipe 12 In. Diam.	1,900	LF	\$30.00	\$57,000.0
	Sched. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.
				Storm Sewer Total:	\$72,600.
No. S	Section 5: Sanitary Sewer				
				Sanitary Sewer Total:	\$0.0
No. S	Section 6: Water Lines			•	
				Water Lines Total:	\$0.0
No. S	Section 7: Surfacing	100	W = 1		
	Gravel Base	3,000	TN	\$9.00	\$27,000.0
_	Crushed Surfacing Top Course	750	TN	\$21.00	\$15,750.0
-10	Station Containing 105 Contact	1		Surfacing Total:	\$42,750.0
No. 8	Section 8: Hot Mix Asphait				7.0,
	HMA CL. 1/2 In. PG 64-22	400	TN	\$100.00	\$40,000.0
	Longitudinal Joint Seal	1,900	LF	\$1.50	\$2,850.0
20 1	Longitudinal John Seal	1,500		Hot Mix Asphalt Total:	
No. S	Section 9: Erosion Control				V.2,000
	Temporary Erosion/Water Pollution Control	1	EST.	\$7,500.00	\$7,500.0
_		0	LS	\$0.00	\$0.0
22	andscaping		1.5	Erosion Control Total:	\$7,500.0
No. S	Section 10: Traffic		4800	Erosion control rotal.	47,000 .
	Cement Conc. Traffic Curb and Gutter	1,900	LF	\$18.00	\$34,200.0
	Cement Conc. Pedestrian Curb		LF		\$720.
		45	LF	\$16.00 \$0.50	\$1,700.0
	Paint Line	3,400	SF		\$810.
	Plastic Crosswalk Line	162	LF	\$5,00 \$15.00	\$600
	Plastic Stop Line	40	_		
-	Plastic Bicycle Lane Symbol	0	EA	\$68.00	\$0.
	Pedestrian Traffic Control	0	LS	\$0.00	\$0.
	Plastic Traffic Letter/Arrows	0	EA	\$68.00	\$0.
	Raised Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.
	Permanent Signing	1	LS	\$1,500.00	\$1,500.
	llumination System	0	LS	\$0.00	\$0.
34	Temporary Project Traffic Control	11	LS	\$25,000.00	\$25,000.
				Traffic Total:	\$64,530.
	Section 11: Other Items			A 0.5-	
_	Structure Excavation Class B Incl. Haul	750	CY	\$9.00	\$6,750.
	Contractor Provided Construction Surveying	1	LS	\$4,500.00	\$4,500.
_	Cement Conc. Sidewalk	1,500	SY	\$33,00	\$49,500.
	Cement Conc. Driveway	105	SY	\$60.00	\$6,300
	Cement Conc. Curb Ramp	3	EA	\$1,200.00	\$3,600.
	Modular Gravity Block Wall	0	SF	\$35.00	\$0.
	Adjust Utility Structures	7	EA	\$300.00	\$2,100.
42 F	Relocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0
	Force Account Potholing Utilities	1	EST.	\$1,000.00	\$1,000
44 F	Roadside Cleanup	11	EST.	\$2,500.00	\$2,500
45 8	SPCC Plan	1	LS	\$1,000.00	\$1,000
_	Stormwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$10,000.00	\$10,000
	Wetland Mitigation	0	AC	\$40,000.00	\$0
_	Pedestrian Handrail	0	LF	\$90.00	\$0
.5 11				Other Items Total:	

SITE #20

CYRUS WAY SIDEWALKS - HARBOUR PT. BLVD. TO EVERGREEN DRIVE

CURRENT CONDITIONS

The study area is located in a commercial district within south Mukilteo and is classified as an urban collector. The existing twolane roadway is paved with pavement widths on both sides of the street accommodating lane travel and segmented on-street parking. In many areas, the pavement is just wide enough for vehicular travel. Existing shoulder widths vary from six inches at undeveloped parcels to eight feet in areas with designated paved parking. Developed parcels along the corridor provide stormwater management through a combination of concrete curbing and catch basins. Undeveloped parcels offer open ditches and cross street culverts along their street frontage. Pedestrian input is comprised of local business patrons and employees. Field evaluations assessed 1,945 feet of roadway and identified disconnected pedestrian routes, obstructed vertical sight lines, and areas of unmanaged drainage.



SITE CHALLENGES

Existing utility structures will need relocation, retaining walls will be constructed near an existing stream with mitigation being required if the stream or its buffer is impacted, multiple drainage basins will create the need for multiple stormwater management facilities, and construction will affect daily high-use of the roadway and commercial accesses.



PROPOSED IMPROVEMENTS

Proposed improvements will resolve existing pedestrian access and drainage issues by widening existing roadway sections, installing drainage system upgrades, and by connecting existing pedestrian routes. Construction elements include site

preparation, roadway excavation, stormwater structures and piping, new paved shoulders for parking, new curb and gutter to manage runoff, new sidewalks and curb ramps to expand pedestrian accessibility, retaining wall structures, and adjustments to street signage and minor utility features. Both sides of the street will be improved with the proposed roadway section matching that of the existing roadway section.

PROJECT COST ESTIMATE

Total Estimated Cost Work Done Contractor	\$563,290.18
Additional R/W	\$0.00
PE (Prelim. Engr. for Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$67,594.82
PE (Prelim. Engineering for Environmental and Permits) - 2%	\$11,265.80
CE (Construction Contract Administration/Construction Management) - 12%	\$67,594.82
City of Mukilteo Management of Design and Construction Effort - 5%	\$28,164.51
City of Mukilteo Owner's Reserve or Contingency - 5%	\$28,164.51
Schedule Total	\$766,074.64

APPENDIX A - ENGINEER'S ESTIMATE

Date of Scoping Review:	December 10, 2014					
Project:	City of Mukilteo Sidewalk Planning Assessments					
Location:	Site #20: Cyrus Way Sidewalks - Harbour Pointe Blvd to Evergreen Drive					
County:	Snohomish					
Total Approximate Length:	1,945 LF					
Type of Work:	Site Preparation, Grading, Drainage, Surfacing, Paving with H	MA, Delineation,				
	Utilities, Signing, Illumination, Landscaping, and Stormwater M					
	Section	Estimated Cost				
	Preparation	\$40,434.10				
	Grading	\$44,215.00				
	Drainage	\$1,500.00				
	Storm Sewer	\$59,900.00				
	Sanitary Sewer	\$0.00				
	Water Lines	\$0.00				
Total Estimated Costs	Surfacing	\$37,500.00				
Work Done Contractor (WDC)	Hot Mix Asphalt	\$37,917.50				
	Erosion Control	\$7,500.00				
	Traffic	\$71,620.00				
	Other Items	\$146,150.00				
	Subtotal Work Done Contractor	\$446,736.60				
	Planning Level Design Contingency - 20%	\$89,347.32				
AT STATE OF THE ST	Inflation (3% per year for 2 Years - 2017 Ad Date)	\$27,206.26				
	Total Estimated Cost Work Done Contractor	\$563,290.18				
	Additional R/W	\$0.00				
PE (Prelim, Engr. for 0	Grantsmanship, Design, Utility, PS&E, Ad & Award) - 12%	\$67,594.82				
	(Prelim. Engineering for Environmental and Permits) - 2%	\$11,265.80				
	Contract Administration/Construction Management) - 12%	\$67,594.82				
	ilteo Management of Design and Construction Effort - 5%	\$28,164.51				
•	City of Mukilteo Owner's Reserve or Contingency - 5%					
	Schedule Total	\$766,074.64				

Limitations:

- 1. This estimate is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this estimate.
- 2. Tuttle Engineering and Management makes no warranty, either expressed or implied, as to the accuracy of this estimate.
- 3. This estimate is based on data found within the Washington State Department of Transportation Unit Bid Analysis.
- 4. Costs presented herein represent an opinion based on historical information.
- 5. This estimate does not consider the following:
 - a. Cost associated with biological surveys, environmental (wetland) mitigations, modeled traffic analysis, land-use planning, geotechnical assessments, surveying, cultural resources, and environmental site assessments.
 - b. Phased construction or out of regular sequence construction.
 - c. Costs associated with groundwater or inclement weather conditions.
 - d. Financial charges.
 - e. Land costs, acquisition of right-of-way, easements, and/or rights of entry.
 - f. Assessments from traffic, parks, or schools.
- 6. This cost estimate is based on the site location shown in exhibits provided by the City of Mukilteo on December 5, 2014.

CITY OF MUKILTEO - SIDEWALK PLANNING ASSESSMENTS (Planning-Level Cost Estimate)

Site #20: Cyrus Way Sidewalks - Harbour Pointe Blvd to Evergreen Drive

ACCUPANT NEWS	Approximate Length of Sec	tion 1,945	LF .		0 2 2 3 3 3
Des	scription	Quantity	Unit	Unit Price	Estimated Amoun
	tion 1: Preparation				
1 Mob	pilization (8% of WDC Subtotal)	1.0	LS	\$33,091.60	\$33,091.0
	aring and Grubbing	0.4	AC:	\$3,500.00	\$1,400.0
	vcutting	1,945	LF	\$2.50	\$4,862.5
	noval of Structure and Obstruction	0	LS	\$20,000.00	\$0.0
	noving Cement Conc. Sidewalk	0	SY LF	\$8.00 \$4.00	\$0.0 \$0.0
	noving Cement Conc. Curb and Gutter noving Asphalt Conc. Pavement	270	SY	\$4.00	\$1,080.0
/ Kell	noving Aspiral Conc. Favernent	270	31	Preparation Total:	\$7,342.5
No. Sec	tion 2: Grading				
	adway Excavation Incl. Haul	1,660	CY	\$11.50	\$19,090.0
9 Gra	vel Вотоw Incl. Haul (Roadway Embankment & Misc Uses - Depth Varies)	1,500	TN	\$16.00	\$24,000.0
10 Emb	bankment Compaction	750	CY	\$1.50	\$1,125.0
				Grading Total:	\$44,215.0
	tion 3: Drainage				
	th Excavation Incl. Haul	0	CY	\$14.00	\$0.0
12 Qua	arry Spalls	30	CY	\$50.00 Drainage Total:	\$1,500.0 \$1,500.0
No. Sec	tion 4: Storm Sewer			Drainage Total:	\$1,500.0
	ch Basin Type 1L	13	EA	\$1,200.00	\$15,600.0
	ch Basin Type 12 - 48 In. Diam.	4	EA	\$2,300.00	\$9,200.0
	ned. A Storm Sewer Pipe 12 In. Diam.	1,170	LF	\$30.00	\$35,100.0
	ed. A Storm Sewer Pipe 18 In. Diam.	0	LF	\$46.00	\$0.0
				Storm Sewer Total:	\$59,900.0
No. Sec	tion 5: SanItary Sewer				
				Sanitary Sewer Total:	\$0.0
No. Sec	tion 6: Water Lines	All red in			
N	du T Out de			Water Lines Total:	\$0.0
	vel Base	2,650	TN	\$9.00	\$23,850.0
	shed Surfacing Top Course	650	TN	\$21.00	\$13,650.0
16 Ciu	siled Surfacing Top Course	- 650	IIN	Surfacing Total:	\$37,500.0
No. Sec	rtion 8: Hot Mix Asphalt			Carlaing Foton	\$01,00010
	A CL. 1/2 In. PG 64-22	350	TN	\$100.00	\$35,000.0
	gitudinal Joint Seal	1,945	LF	\$1.50	\$2,917.5
				Hot Mix Asphalt Total:	\$37,917.5
No. Sec	ction 9: Erosion Control				
21 Teп	nporary Erosion/Water Pollution Control	. 1	EST.	\$7,500.00	\$7,500.0
22 Lan	dscaping	0	LS	\$0.00	\$0.0
		_		Erosion Control Total:	\$7,500.0
	etion 10: Traffic	4.045	LF	#40.00	E05 040 0
	nent Conc. Traffic Curb and Gutter nent Conc. Pedestrian Curb	1,945	LF	\$18.00 \$16.00	\$35,010.0 \$480.0
	nt Line	3,900	LF	\$0.50	\$1,950.0
	stic Crosswalk Line	216	SF	\$5.00	\$1,080.0
	stic Stop Line	40	LF	\$15.00	\$600.0
	stic Bicycle Lane Symbol	0	EA	\$68.00	\$0.0
	lestrian Traffic Control	0	LS	\$10,000.00	\$0.0
30 Plas	stic Traffic Letter/Arrows	0	EA	\$68.00	\$0.0
	sed Pavement Marker - Type 1 and 2	0	HUND	\$290.00	\$0.0
32 Peri	manent Signing	1	LS	\$2,500.00	\$2,500.0
	nination System	0	LS	\$0.00	\$0.0
34 Ten	nporary Project Traffic Control	1	LS	\$30,000.00	\$30,000.0
No Po-	etion 11: Other Items			Traffic Total:	\$71,620.0
	ction 11: Otner items ucture Excavation Class B Incl. Haul	900	CY	\$9.00	\$8,100.0
$\overline{}$	ntractor Provided Construction Surveying	1	LS	\$7,500.00	\$7,500.0
	nent Conc. Sidewalk	1,525	SY	\$33.00	\$50,325.0
	nent Conc. Driveway	135	SY	\$60.00	\$8,100.0
	nent Conc. Curb Ramp	2	EA	\$1,200.00	\$2,400.0
	dular Gravity Block Wall	1,245	SF	\$35.00	\$43,575.0
	ust Utility Structures	13	EA	\$300.00	\$3,900.0
42 Relo	ocate Existing Fire Hydrant	0	EA	\$2,000.00	\$0.0
43 Ford	ce Account Potholing Utilities	1	EST.	\$2,000.00	\$2,000.0
	adside Cleanup	1	EST.	\$2,500.00	\$2,500.0
	CC Plan	1	LS	\$1,000.00	\$1,000.0
	rmwater Management (Biofiltration Swales, Raingardens, WQ Basins, etc.)	1	LS	\$10,000.00	\$10,000.0
	tland Mitigation	0	AC	\$40,000.00	\$0.
48 Ped	destrian Handrail	75	LF	\$90.00 Other Items Total:	\$6,750.4 \$146,150.4
				one Contractor Subtotal:	φ 140, 10U.U





1 2nd Street Sidewalks	SR 525 to Park Ave					
Improvement Length (ft)		1020	Capacity Pr	oject:		No
Preliminary Hard Costs	\$	587,017.69	Safe-Route	-To-School:		No
Reference:	Tuttle		Greenway:			No
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	587,017.69	_	
Soft Costs		36%	\$	211,326.37		
	Sub-Total		\$	798,344.06		
	Sales Tax	10%	\$	79,834.41		
Inflation a	at 3% Annual	15.92%	\$	139,806.01		
			2021 Total		\$	1,017,984.48

Loveland Avenue Sidewalks	2nd Street to 3rd Street					
Improvement Length		275	Capacity Pro	oject:	No	
Preliminary Hard Costs	\$	147,180.32	Safe-Route-	To-School:	No	
Reference:	Tuttle		Greenway:		No	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	147,180.32		
Soft Costs		36%	\$	52,984.92		
S	ub-Total		\$	200,165.24		
S	Sales Tax	10%	\$	20,016.52		
Inflation at 3%	6 Annual	15.92%	\$ \$	35,052.94		
			2021 Total		\$	255,234.70

3 Park Ave Sidewalks	2nd St. to 3rd St.					
Improvement Length		550 Capacity Project:			No	
Preliminary Hard Costs	\$	390,426.84	Safe-Route-	Safe-Route-To-School:		
Reference:	Tuttle		Greenway:		No	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	390,426.84		
Soft Costs		36%	\$	140,553.66		
2	Sub-Total		\$	530,980.50		
	Sales Tax	10%	\$	53,098.05		
Inflation at 3	% Annual	15.92%	\$	92,985.31		
			2021 Total		\$	677,063.86





4	76th Street Sidewalks & Bike Markings	SR 525 to 44th Ave.					
	Improvement Length		4,680	Capacity Pr	y Project:		
	Preliminary Hard Costs	\$	868,313.49	Safe-Route	afe-Route-To-School:		
	Reference:	Tuttle		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Low	\$	539.00	\$	25,225.20		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	893,538.69		
	Soft Costs		36%	\$	321,673.93		
	Sub-Tota	I		\$	1,215,212.62		
	Sales Tax	(10%	\$	121,521.26		
	Inflation at 3% Annua	I	15.92%	\$	212,808.03		
				2021 Total		\$	1,549,541.92

Improvement Length		800	Capacity P	roject:	No	
Preliminary Hard Costs		381670.65	381670.65 Safe-Route-To-School:			
Reference:	Tuttle		Greenway	:	Yes	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	381,670.65		
Soft Costs		36%	\$	137,401.43		
	Sub-Total		\$	519,072.08		
	Sales Tax	10%	\$	51,907.21		
Inflation at 3	% Annual	15.92%	\$	90,899.90		
			2021 Total		\$	661,879.1

6 SR 526 Sidewalks	84th St. to 40th Ave.					
Improvement Length		1310	Capacity Pro	oject:	Yes	
Preliminary Hard Costs		167293.69	Safe-Route-	To-School:	No	
Reference:	Tuttle		Greenway:		Yes	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	167,293.69		
Soft Costs		36%	\$	60,225.73		
9	Sub-Total		\$	227,519.42		
	Sales Tax	10%	\$	22,751.94		
Inflation at 39	% Annual	15.92%	\$	39,843.20		
			2021 Total		\$	290,114.56





7 84th Street Sidewalks	SR 525 to 53rd Ave.					
Improvement Length		1920	Capacity Pr	oject:	No	
Preliminary Hard Costs	\$	502,768.99	Safe-Route	ute-To-School:		
Reference:	Tuttle		Greenway:		Yes	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	502,768.99		
Soft Costs		36%	\$	180,996.84		
	Sub-Total		\$	683,765.83		
	Sales Tax	10%	\$	68,376.58		
Inflation	at 3% Annual	15.92%	\$	119,741.07		
			2021 Total		\$	871,883.49

88th Street Sidewalks & Bike M	larkings SR 525 to 47th St.					
Improvement Length		405	Capacity Pro	oject:	No	
Preliminary Hard Costs	\$	143,398.00	Safe-Route-	afe-Route-To-School:		
Reference:	Tuttle		Greenway:		Yes	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	143,398.00		
Soft Costs		36%	\$	51,623.28		
S	ub-Total		\$	195,021.28		
S	ales Tax	10%	\$	19,502.13		
Inflation at 3%	6 Annual	15.92%	\$	34,152.13		
			2021 Total		\$	248,675.53

9 SR 525 Sidewalks	92nd St. to 86th St.					
Improvement Length		2230	Capacity	Project:	Yes	
Preliminary Hard Costs	\$	1,272,446.57	Safe-Rout	Safe-Route-To-School:		
Reference:	Tuttle		Greenway:		Yes	
Additional Facilities	Per 100ft					
Bike Markings - Low	\$	539.00	\$	12,019.70		
None	\$	-	\$	-		
None	\$	=	\$	-		
Total Hard Costs			\$	1,284,466.27		
Soft Costs		36%	\$	462,407.86		
	Sub-Total		\$	1,746,874.13		
	Sales Tax	10%	\$	174,687.41		
Inflation a	t 3% Annual	15.92%	\$	305,912.60		
			2021 Tota	al	\$	2,227,474.14





10 53rd Avenue Sidewalks & Bike N	Brd Avenue Sidewalks & Bike Marking: 88th St. to 92nd St.					
Improvement Length		1250	Capacity	Project:	No	
Preliminary Hard Costs			Safe-Route-To-School:			
Reference:	Reference: City Staff		Greenwa	ıy:	Yes	
Additional Facilities	Per 100ft					
Sidewalks & Paving - Low	\$	37,233.68	\$	465,421.00		
Bike Markings - Low	\$	539.00	\$	6,737.50		
None	\$	-	\$	-		
Total Hard Costs			\$	472,158.50		
Soft Costs		36%	\$	169,977.06		
Su	b-Total		\$	642,135.56		
Sa	ales Tax	10%	\$	64,213.56		
Inflation at 3%	Annual	15.92%	\$	112,450.78		
			2021 Tot	al	\$	818,799.90

11 Chennault Beach Road Sidewalks	4400 Block					
Improvement Length	500 Ca _l		Capacity Pro	oject:	Yes	
Preliminary Hard Costs		157836.18	.18 Safe-Route-To-School:			
Reference:	Tuttle		Greenway:		Yes	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	157,836.18		
Soft Costs		36%	\$	56,821.02		
Sub-To	otal		\$	214,657.20		
Sales	Тах	10%	\$	21,465.72		
Inflation at 3% Ann	ual	15.92%	\$	37,590.77		
			2021 Total		\$	273,713.69

12	Cyrus Way Sidewalks	HP Blvd. to SR 525					
	Improvement Length		2800	Capacity Pro	oject:	Yes	
	Preliminary Hard Costs	\$	464,022.45	Safe-Route-	To-School:	No	
	Reference:	Tuttle		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	464,022.45		
	Soft Costs		36%	\$	167,048.08		
		Sub-Total		\$	631,070.53		
		Sales Tax	10%	\$	63,107.05		
	Inflation a	at 3% Annual	15.92%	\$	110,513.07		
				2021 Total		\$	804,690.65





13	Cyrus Way Sidewalks	Evergreen Dr. to Sou	th RD.				
	Improvement Length		3800	Capacity Pr	oject:	Yes	
	Preliminary Hard Costs	\$	511,247.34	Safe-Route	-To-School:	No	
	Reference:	Tuttle		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	511,247.34		
	Soft Costs		36%	\$	184,049.04		
		Sub-Total		\$	695,296.38		
		Sales Tax	10%	\$	69,529.64		
	Inflation at	t 3% Annual	15.92%	\$	121,760.30		
				2021 Total		\$	886,586.32

14	Cyrus Way Sidewalks	HP Blvd. to Evergreen Dr.					
	Improvement Length		3890	Capacity Pro	oject:	Yes	
	Preliminary Hard Costs	\$	563,290.18	Safe-Route-	To-School:	No	
	Reference:	Tuttle		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	563,290.18		
	Soft Costs		36%	\$	202,784.46		
		Sub-Total		\$	766,074.64		
		Sales Tax	10%	\$	76,607.46		
	Inflation a	at 3% Annual	15.92%	\$	134,154.99		
				2021 Total		\$	976,837.09

15	Waterfront Promenade	Waterfront from Edgewater to LH	Р				
	Improvement Length		3000	Capacity Project:		No	
	Preliminary Hard Costs			Safe-Route-To-School	ol:	No	
	Reference:	Waterfront Master Plan		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	-		
	Soft Costs		36%	\$	-		
	Sub-Tota	al		\$	-		
	Sales Ta	x	10%	\$	-		
	Inflation at 3% Annua	al	15.92%	\$	-		
				2019 Total		\$	319,309.00



MUKILTEO



16	Share Use Path Boeing Rec. Center	Muk.Blvd. To 36th Ave West					
	Improvement Length		3600	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route-	-To-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	10' Asphalt Path - Low Signage	\$	18,500.00	\$	666,000.00		
	Bike Markings - Low	\$	539.00	\$	19,404.00		
	ROW Purchase 12' Tract (Estimate)	\$	24,000.00	\$	864,000.00		
	Total Hard Costs			\$	1,549,404.00		
	Soft Costs		36%	\$	557,785.44		
	Sub-Tota	!		\$	2,107,189.44		
	Additional Contingency	,	20%	\$	421,437.89		
	Sales Tax	(10%	\$	252,862.73		
	Inflation at 3% Annua	1	15.92%	\$	442,813.22		
				2021 Total		\$	3,224,303.28

17 5th Street Bike & Ped Improvemen	ts In1 SR 525 to City Limits	5				
Improvement Length		10000	Capaci	ty Project:	Yes	
Preliminary Hard Costs		Safe-Route-T		oute-To-School:	No	
Reference:	City Staff		Greenway:			
Additional Facilities	Per 100ft					
Bike Markings - Low	\$	539.00	\$	53,900.00		
10' Asphalt Path - Low Signage	\$	18,500.00	\$	462,500.00		
2 Lane Resurfacing	\$	8,000.00	\$	800,000.00		
Landscaping	\$	800.00	\$	80,000.00		
Total Hard Costs			\$	1,396,400.00		
Soft Costs		36%	\$	502,704.00		
Sub-	Гotal		\$	1,899,104.00		
Additional Conting	ency	20%	\$	379,820.80		
Sale	s Tax	10%	\$	227,892.48		
Inflation at 3% An	nual	15.92%	\$	399,085.31		
*not all facilities run length of impr	ovement area		2021 7	otal	\$	2,905,902.59

19	Shared Use Path to Old Town	Park Avenue to Sky-Hi-La					
	Improvement Length		875	Capacity Pro	ject:	No	
	Preliminary Hard Costs			Safe-Route-	To-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft		_			
	10' Asphalt Path - Low Signage	\$	18,500.00	\$	161,875.00		
	ROW Purchase 12' Tract (Estimate)	\$	24,000.00	\$	210,000.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	371,875.00		
	Soft Costs		36%	\$	133,875.00		
	Sub-Tota	l		\$	505,750.00		
	Additional Contingency	1	20%	\$	101,150.00		
	Sales Tax	(10%	\$	60,690.00		
	Inflation at 3% Annua	1	15.92%	\$	106,280.33		
				2021 Total		\$	773,870.33





20	11th Street Sidewalk	Loveland Ave to 0	Campbell Ave				
	Improvement Length		525	Capacity P	roject:	No	
	Preliminary Hard Costs			Safe-Route	e-To-School:	Yes	
	Reference:	City Staff		Greenway	:	No	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	375,448.50		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	375,448.50		
	Soft Costs		36%	\$	135,161.46		
	Sub	-Total		\$	510,609.96		
	Sal	es Tax	10%	\$	51,061.00		
	Inflation at 3% A	nnual	15.92%	\$	89,418.02		
				2021 Tota	I	\$	651,088.97

21	Sky Hila Pathway	Goat Trail Rd to 11	th Street				
	Improvement Length		1550	Capa	icity Project:	No	
	Preliminary Hard Costs			Safe-	-Route-To-School:	Yes	
	Reference:	City Staff		Gree	nway:	Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - High	\$	105,794.32	\$	1,639,811.96		
	Bike Markings - Medium	\$	1,151.00	\$	17,840.50		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,657,652.46		
	Soft Costs		36%	\$	596,754.89		
	Si	ıb-Total		\$	2,254,407.35		
	S	ales Tax	10%	\$	225,440.74		
	Inflation at 3%	Annual	15.92%	\$	394,791.82		
				2021	. Total	\$	2,874,639.90

22	Goat Trail Path & Bike Markings	Goat Trail Loop Rd to W	ashington Ave				
	Improvement Length		1220	Capacity Pro	oject:	No	
	Preliminary Hard Costs			Safe-Route-	To-School:	Yes	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - High	\$	105,794.32	\$	1,290,690.70		
	Bike Markings - Medium	\$	1,151.00	\$	14,042.20		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,304,732.90		
	Soft Costs		36%	\$	469,703.84		
	Sub-Total			\$	1,774,436.74		
	Additional Contingency		20%	\$	354,887.35		
	Sales Tax		10%	\$	177,443.67		
	Inflation at 3% Annual		15.92%	\$	367,237.43		
				2021 Total		\$	2,674,005.19





23	SR 525 Corridor Study	76th Street to Front Street					
	Study Length		7300	Capacity Pro	ject:	No	
	Preliminary Hard Costs		100000	Safe-Route-	To-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	100,000.00		
	Soft Costs			\$	-		
	Sub-Tota	al		\$	100,000.00		
	Additional Contingenc	y	20%	\$	20,000.00		
	Sales Ta	x	10%				
	Inflation at 3% Annua	al	15.92%	\$	19,104.00		
				2021 Total		\$	139,104.00

24	Stairstep Path & Bike Markings	76th Street SW to 8th Drive					
	Improvement Length		4475	Capacity P	roject:	Yes	
	Preliminary Hard Costs			Safe-Route	e-To-School:	Yes	
	Reference:	City Staff		Greenway	•	Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	3,200,251.50		
	Bike Markings - Low	\$	539.00	\$	24,120.25		
	None	\$	-	\$	-		
	Total Hard Costs			\$	3,224,371.75		
	Soft Costs		36%	\$	1,160,773.83		
	Sub-T	otal		\$	4,385,145.58		
	Additional Conting	ency	20%	\$	877,029.12		
	Sales	Тах	10%	\$	526,217.47		
	Inflation at 3% An	nual	15.92%	\$	921,512.03		
				2021 Total		\$	6,709,904.20

25	44th Shared-Use Path	84th Street to 76th Street SW					
	Improvement Length		2550	Capacity Pr	oject:	Yes	
	Preliminary Hard Costs			Safe-Route	-To-School:	Yes	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	10' Asphalt Path - Low Signage	\$	18,500.00	\$	471,750.00		
	ROW Purchase 12' Tract (Estimate)	\$	24,000.00	\$	612,000.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,083,750.00		
	Soft Costs		36%	\$	390,150.00		
	Sub-Tota	I		\$	1,473,900.00		
	Additional Contingency	<i>(</i>	20%	\$	294,780.00		
	Sales Tax	•	10%	\$	176,868.00		
	Inflation at 3% Annua	I	15.92%	\$	309,731.24		
				2021 Total		\$	2,255,279.24





26	SR 525 Sidewalks	81st Place to 76th Stree	t				
	Improvement Length		1875	Capacity Pr	oject:	Yes	
	Preliminary Hard Costs			Safe-Route	-To-School:	Yes	
	Reference:	City Staff		Greenway:	Greenway:		
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Low	\$	37,233.68	\$	698,131.50		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	698,131.50		
	Soft Costs		36%	\$	251,327.34		
		Sub-Total		\$	949,458.84		
		Sales Tax	10%	\$	94,945.88		
	Inflation at	t 3% Annual	15.92%	\$	166,269.23		
				2021 Total		\$	1,210,673.96

27	88th Street Sidewalks & Bike Markings	SR 525 to 56th Pl West					
	Improvement Length		5050	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	3,611,457.00		
	Bike Markings - Low	\$	539.00	\$	27,219.50		
	None	\$	-	\$	-		
	Total Hard Costs			\$	3,638,676.50		
	Soft Costs		36%	\$	1,309,923.54		
	Sub-Tota	l		\$	4,948,600.04		
	Additional Contingency	1	20%	\$	989,720.01		
	Sales Ta	(10%	\$	593,832.00		
	Inflation at 3% Annua	I	15.92%	\$	1,039,918.61		
				2021 Total		\$	7,572,070.66

28	54th Avenue Sidewalks & Bike I	Marking: 84th Street to 88th Street					
	Improvement Length		2500	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	afe-Route-To-School:		
	Reference:	City Staff	Greenway:			Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	1,787,850.00		
	Bike Markings - Low	\$	539.00	\$	13,475.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,801,325.00		
	Soft Costs		36%	\$	648,477.00		
	Su	ub-Total		\$	2,449,802.00		
	S	ales Tax	10%	\$	244,980.20		
	Inflation at 3%	Annual	15.92%	\$	429,009.33		
				2021 Total		\$	3,123,791.53





29	84th Street Sidewalks	Nakeeta Lane to 53	Brd Ave West				
	Improvement Length		660	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route-	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft	Per 100ft				
	Sidewalks & Paving - High	\$	105,794.32	\$	698,242.51		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	698,242.51		
	Soft Costs		36%	\$	251,367.30		
		Sub-Total		\$	949,609.81		
		Sales Tax	10%	\$	94,960.98		
	Inflation at	t 3% Annual	15.92%	\$	166,295.67		
				2021 Total		\$	1,210,866.46

30 49th Place Transit Connection	49th Ave to SR 525					
Improvement Length		400	Capacity Pro	oject:	Yes	
Preliminary Hard Costs			Safe-Route-	To-School:	No	
Reference:	City Staff		Greenway:		No	
Additional Facilities	Per 100ft					
Sidewalks & Paving - Low	\$	37,233.68	\$	148,934.72		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	148,934.72		
Soft Costs		36%	\$	53,616.50		
S	Sub-Total		\$	202,551.22		
	Sales Tax	10%	\$	20,255.12		
Inflation at 39	% Annual	15.92%	\$	35,470.77		
			2021 Total		\$	258,277.11

31	92nd Street Sidewalk & Bike Markings	SR 525 to 91st Pl SW					
	Improvement Length		4100	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	2,932,074.00		
	Bike Markings - Low	\$	539.00	\$	22,099.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	2,954,173.00		
	Soft Costs		36%	\$	1,063,502.28		
	Sub-Total			\$	4,017,675.28		
	Sales Tax	(10%	\$	401,767.53		
	Inflation at 3% Annual		15.92%	\$	703,575.30		
				2021 Total		\$	5,123,018.10





32	81st Place SW SRTS	SR 525 to 53rd Ave West					
	Improvement Length		2700	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	Yes	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	1,930,878.00		
	Bike Markings - Low	\$	539.00	\$	14,553.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,945,431.00		
	Soft Costs		36%	\$	700,355.16		
	Sub-	-Total		\$	2,645,786.16		
	Sale	es Tax	10%	\$	264,578.62		
	Inflation at 3% A	nnual	15.92%	\$	463,330.07		
				2021 Total		\$	3,373,694.85

Improvement Length		1100	1100 Capacity Project:			
Preliminary Hard Costs			Safe-Ro	oute-To-School:	No	
Reference:	City Staff		Greenway:		Yes	
Additional Facilities	Per 100ft					
Sidewalks & Paving - Median	\$	71,514.00	\$	786,654.00		
Bike Markings - Low	\$	539.00	\$	5,929.00		
None	\$	-	\$	-		
Total Hard Costs			\$	792,583.00		
Soft Costs		36%	\$	285,329.88		
Sub-	Total		\$	1,077,912.88		
Sale	es Tax	10%	\$	107,791.29		
Inflation at 3% Annual		15.92%	\$	188,764.10		
			2021 To	otal	\$	1,374,468.2

34	88th Sidewalks & Bike Lanes	48th Pl West to 4	4th Ave West				
	Improvement Length		1200	Capacity P	roject:	Yes	
	Preliminary Hard Costs			Safe-Route	e-To-School:	No	
	Reference:	City Staff		Greenway		Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Low	\$	37,233.68	\$	446,804.16		
	Bike Markings - Low	\$	539.00	\$	6,468.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	453,272.16		
	Soft Costs		36%	\$	163,177.98		
	Sub	-Total		\$	616,450.14		
	Salo	es Tax	10%	\$	61,645.01		
	Inflation at 3% A	nnual	15.92%	\$	107,952.75		
				2021 Total		\$	786,047.90





35	80th Sidewalks & Sharrows	SR 525 to 44th Ave West					
	Improvement Length		2000	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	Yes	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	1,430,280.00		
	Bike Markings - Low	\$	539.00	\$	10,780.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,441,060.00		
	Soft Costs		36%	\$	518,781.60		
	Sub	-Total		\$	1,959,841.60		
	Sal	es Tax	10%	\$	195,984.16		
	Inflation at 3% A	Annual	15.92%	\$	343,207.46		
				2021 Total		\$	2,499,033.22

36 92nd Street Sidewalk & Bike Markings	SR 525 to 44th Ave West					
Improvement Length		1050	Capacity Pro	ject:	Yes	
Preliminary Hard Costs			Safe-Route-	To-School:	No	
Reference:	City Staff		Greenway:		Yes	
Additional Facilities	Per 100ft					
Sidewalks & Paving - Low	\$	37,233.68	\$	390,953.64		
Bike Markings - Low	\$	539.00	\$	5,659.50		
None	\$	-	\$	-		
Total Hard Costs			\$	396,613.14		
Soft Costs		36%	\$	142,780.73		
Sub-Tota	I		\$	539,393.87		
Sales Tax	C	10%	\$	53,939.39		
Inflation at 3% Annua	I	15.92%	\$	94,458.65		
			2021 Total		\$	687,791.91

37	SR 525 Bike Lane	Paine Field Blvd to 9	2nd Street				
	Improvement Length		2000	Capacity Pr	oject:	Yes	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Medium	\$	1,151.00	\$	23,020.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	23,020.00		
	Soft Costs		36%	\$	8,287.20		
		Sub-Total		\$	31,307.20		
		Sales Tax	10%	\$	3,130.72		
	Inflation a	at 3% Annual	15.92%	\$	5,482.52		
				2021 Total		\$	39,920.44





38	Harbour Place Shared Use Path	Paine Field Blvd	to Harbour Pointe Blvd.				
	Improvement Length		2250	Capac	city Project:	No	
	Preliminary Hard Costs			Safe-I	Route-To-School:	No	
	Reference:	City Staff		Greer	Greenway:		
	Additional Facilities	Per 100ft					
	10' Asphalt Path - Medium Signage	\$	19,500.00	\$	438,750.00		
	Bike Markings - Low	\$	539.00	\$	12,127.50		
	ROW Purchase 12' Tract (Estimate)	\$	24,000.00	\$	540,000.00		
	Total Hard Costs			\$	990,877.50		
	Soft Costs		36%	\$	356,715.90		
	Sub-Tota	l		\$	1,347,593.40		
	Sales Tax Inflation at 3% Annual		10%	\$	134,759.34		
			15.92%	\$	235,990.56		
				2021	Total	\$	1,718,343.30

39 Harbour Pointe Blvd. North C	ycle Track 48th to Harbour Place				
Improvement Length		790 Capacity	Project:	No	
Preliminary Hard Costs		49100 Safe-Rou	ite-To-School:	No	
Reference:	CDC	Greenwa	ıy:	Yes	
Additional Facilities	Per 100ft				
None	\$	- \$	-		
None	\$	- \$	-		
None	\$	- \$	-		
Total Hard Costs		\$	49,100.00		
Soft Costs		36% \$	17,676.00		
	Sub-Total	\$	66,776.00		
Additional Co	ntingency	20% \$	13,355.20		
	Sales Tax	10% \$	8,013.12		
Inflation at 3	8% Annual	15.92% \$	14,032.58		
		2021 Tot	al	\$	102,176.90

40	Harbour Pointe Blvd. Bike Markings	Harbour Pointe Blvd Loop					
	Improvement Length		26960	Capacity Pro	ject:	No	
	Preliminary Hard Costs			Safe-Route-1	o-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Low	\$	539.00	\$	145,314.40		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	145,314.40		
	Soft Costs		36%	\$	52,313.18		
	Sub-Tota	ıl		\$	197,627.58		
	Sales Ta	x	10%	\$	19,762.76		
	Inflation at 3% Annua	ıl	15.92%	\$	34,608.54		
				2021 Total		\$	251,998.88





41	Harbour Reach Drive Bike Retrofit	Harbour Pointe Bl	vd to Harbour Pointe B	lvd.			
	Improvement Length		10000	Capacity Pr	oject:	No	
	Preliminary Costs	\$	2,200,000.00	Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	=	\$	-		
	Total Costs			\$	2,200,000.00		
				2021 Total		\$	2,200,000.00

42 Harbour Pointe Blvd. S. Widening	Cyrus Way to SR 525					
Improvement Length		2200	Capacity Pr	oject:	Yes	
Preliminary Hard Costs	\$	1,929,850.00	Safe-Route	-To-School:	No	
Reference:	City Staff		Greenway:		Yes	
Additional Facilities	Per 100ft					
None	\$	-	\$	-		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total 2016 Costs			\$	1,929,850.00		
			\$	-		
			\$	1,929,850.00		
			2016 Costs		\$	1,929,850.00

43	Cyrus Way Road Extension	Russell Road to Ch	ennault Beach Drive				
	Improvement Length		900	Capaci	ty Project:	Yes	
	Preliminary Hard Costs			Safe-R	oute-To-School:	No	
	Reference:	City Staff		Green	way:	Yes	
	Additional Facilities	Per 100ft					
	New Road	\$	410,000.00	\$	3,690,000.00		
	Bike Markings - Low	\$	539.00	\$	4,851.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	3,694,851.00		
	Soft Costs		36%	\$	1,330,146.36		
		Sub-Total		\$	5,024,997.36		
		Sales Tax	10%	\$	502,499.74		
	Inflation at 3	% Annual	15.92%	\$	879,977.54		
				2021 T	otal	\$	6,407,474.63





44	Endeavor Elementary Shared Use Path	Harbour Pointe Blvd to Bev	erly Park				
	Improvement Length		3800	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	10' Asphalt Path - Medium Signage	\$	19,500.00	\$	741,000.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	741,000.00		
	Soft Costs		36%	\$	266,760.00		
	Sub-Total			\$	1,007,760.00		
	Sales Tax		10%	\$	100,776.00		
	Inflation at 3% Annual		15.92%	\$	176,478.93		
				2021 Total		\$	1,285,014.93

45 South Gulch Shared Use Path	Chennault Beach R	oad to Harbour Heights	Parkway			
Improvement Length		550	Capacity I	Project:	No	
Preliminary Hard Costs			Safe-Rout	e-To-School:	No	
Reference:	City Staff		Greenway	/ :	No	
Additional Facilities	Per 100ft					
10' Asphalt Path - Low Signage	\$	18,500.00	\$	101,750.00		
None	\$	-	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	101,750.00		
Soft Costs		36%	\$	36,630.00		
Sub-To	otal		\$	138,380.00		
Wetland Mitigat	tion	25%	\$	34,595.00		
Additional Continge	ncy	20%	\$	27,676.00		
Sales	Тах	10%	\$	20,065.10		
Inflation at 3% Anr	nual	15.92%	\$	35,138.00		
			2021 Tota	al	\$	255,854.10

46	Airport Road Shared Use Path	Airport Road					
	Improvement Length		12000	Capac	ity Project:	No	
	Preliminary Hard Costs			Safe-R	loute-To-School:	No	
	Reference:	City Staff		Green	way:	No	
	Additional Facilities	Per 100ft					
	15' Asphalt Path - Typical	\$	29,250.00	\$	3,510,000.00		
	ROW Purchase 17' Tract (Estimate)	\$	34,000.00	\$	4,080,000.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	7,590,000.00		
	Soft Costs		36%	\$	2,732,400.00		
	Sub-Tota	ıl		\$	10,322,400.00		
	Additional Contingenc	у	30%	\$	3,096,720.00		
	Sales Ta	x	10%	\$	1,341,912.00		
	Inflation at 3% Annua	ıl	15.92%	\$	2,349,956.29		
				2021	Total	\$	17,110,988.29





47	121st Bike Connection	121st to SR 525					
	Improvement Length		3000	Capacity Pi	roject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	Bike Lane Marking - High	\$	7,075.00	\$	212,250.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	212,250.00		
	Soft Costs		36%	\$	76,410.00		
	S	Sub-Total		\$	288,660.00		
	Additional Con	tingency	20%	\$	57,732.00		
	\$	Sales Tax	10%	\$	34,639.20		
	Inflation at 3%	% Annual	15.92%	\$	60,660.17		
				2021 Total		\$	441,691.37

48 Mid-Town Mukilteo Sidewalk & Bi	ike M: 81st Place to 86th					
Improvement Length		2800	Capa	icity Project:	Yes	
Preliminary Hard Costs			Safe	-Route-To-School:	No	
Reference:	City Staff	Greenway:		Yes		
Additional Facilities	Per 100ft					
Sidewalks & Paving - High	\$	105,794.32	\$	2,962,241.00		
Bike Lane & Sharrows - Med.	\$	4,770.00	\$	-		
None	\$	-	\$	-		
Total Hard Costs			\$	2,962,241.00		
Soft Costs		36%	\$	1,066,407.00		
Sub-	Total		\$	4,028,648.00		
Additional Conting	gency	20%	\$	805,730.00		
Sale	es Tax	10%	\$	483,438.00		
Inflation at 3% A	nnual	15.92%	\$	846,596.00		
			2021	. Total	\$	6,164,412.00

49	Harbour Reach Drive Extension	Harbour Pointe Blvd to I	Beverly Park Rd				
	Improvement Length		3700	Capacity I	Project:	Yes	
	Preliminary Hard Costs	\$	16,000,000.00	Safe-Rout	e-To-School:	No	
	Reference:	City Staff		Greenway	/ :	Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	16,000,000.00		
	Soft Costs			\$	-		
	Sub-Tota	I					
	Sales Tax	(
	Inflation at 3% Annua	I					
				2021 Tota	al	\$	-





50	Harbour Reach Drive Connection	130th Place SW to	o Harbour Reach Drive				
	Improvement Length		250	Capacity P	roject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	10' Asphalt Path - Medium Signage	\$	19,500.00	\$	48,750.00		
	ROW Purchase 12' Tract (Estimate)	\$	24,000.00	\$	60,000.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	108,750.00		
	Soft Costs		36%	\$	39,150.00		
	Sub-Tota	1		\$	147,900.00		
	Additional Contingency	1	20%	\$	29,580.00		
	Sales Tax	(10%	\$	17,748.00		
	Inflation at 3% Annua	l	15.92%	\$	31,080.30		
				2021 Total		\$	226,308.30

51	Washington Ave Sidewalks	5th Street to Goat Trail R	d				
	Improvement Length		2300	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - High	\$	105,794.32	\$	2,433,269.36		
	Bike Markings - Low	\$	539.00	\$	12,397.00		
	None	\$	-	\$	-		
	Total Hard Costs			\$	2,445,666.36		
	Soft Costs		36%	\$	880,439.89		
		Sub-Total		\$	3,326,106.25		
		Sales Tax	10%	\$	332,610.63		
	Inflation at	3% Annual	15.92%	\$	582,467.73		
				2021 Total		\$	4,241,184.60

52	47th Pedestrain & Bike Improvements	Harbour Pointe Blvd N. to	Chennault Beac	h Drive			
	Improvement Length		7400	Capacity Pro	ject:	No	
	Preliminary Hard Costs			Safe-Route-1	Γο-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Medium	\$	1,151.00	\$	85,174.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	85,174.00		
	Soft Costs		36%	\$	30,662.64		
	Sub-Total			\$	115,836.64		
	Additional Contingency		20%	\$	23,167.33		
	Sales Tax		10%	\$	13,900.40		
	Inflation at 3% Annual		15.92%	\$	24,342.37		
				2021 Total		\$	177,246.74





53	Chennault Beach Road Bike Markings	Harbour Reach Drive to SR 525					
	Improvement Length		4700	Capacity Proj	ect:	No	
	Preliminary Hard Costs			Safe-Route-Te	o-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Low	\$	539.00	\$	25,333.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	25,333.00		
	Soft Costs		36%	\$	9,119.88		
	Sub-Tota	I		\$	34,452.88		
	Sales Tax	(10%	\$	3,445.29		
	Inflation at 3% Annua	1	15.92%	\$	6,033.39		
				2021 Total		\$	43,931.56

54	Beverly Park Intersection Impro	vement: Beverly Park Intersect	ion			
	Improvement Length		0 Capac	city Project:	Yes	
	Preliminary Hard Costs	\$	159,600.00 Safe-F	Route-To-School:	No	
	Reference:	CDC	Greer	ıway:	No	
	Additional Facilities	Per 100ft				
	None	\$	- \$	-		
	None	\$	- \$	-		
	None	\$	- \$	-		
	Total Hard Costs		\$	159,600.00		
	Soft Costs		36% \$	57,456.00		
	Si	ub-Total	\$	217,056.00		
	Project Cost Adjusti	ment (+)	\$	44,100.00		
	S	ales Tax	10% \$	26,116.00		
	Inflation at 3%	S Annual	15.92% \$	45,734.00		
			2021	Total	\$	333,000.00

55	Beverly Park Intersection Imp	provement: Beverly Park Intersection					
	Improvement Length		0	Capacity P	roject:	Yes	
	Preliminary Hard Costs		786100	Safe-Route	e-To-School:	No	
	Reference:	City Staff		Greenway	:	No	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	786,100.00		
	Soft Costs		36%	\$	282,996.00		
		Sub-Total		\$	1,069,096.00		
	Additional Co	ontingency	20%	\$	213,819.00		
		Sales Tax	10%	\$	128,292.00		
	Inflation at 3	3% Annual	15.92%	\$	224,664.15		
				2021 Tota		\$	1,635,871.15





56	Chennault Beach Drive Sidewalk &	Bike 60th to Marine	View Drive				
	Improvement Length		2275	Capa	acity Project:	No	
	Preliminary Hard Costs			Safe	-Route-To-School:	No	
	Reference:	City Staff		Gree	enway:	No	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - High	\$	105,794.32	\$	2,406,820.78		
	Bike Markings - Low	\$	539.00	\$	12,262.25		
	None	\$	=	\$	-		
	Total Hard Costs			\$	2,419,083.03		
	Soft Costs		36%	\$	870,869.89		
	Sub-	Total		\$	3,289,953.00		
	Additional Conting	ency	20%	\$	657,991.00		
	Sales	Тах	10%	\$	394,794.00		
	Inflation at 3% An	nual	15.92%	\$	691,363.89		
				202	1 Total	\$	5,034,101.89

57 Central Drive Sidewalk & Bike Ma	rkings 103rd to 64th Pl West					
Improvement Length		2280	Capacit	y Project:	No	
Preliminary Hard Costs			Safe-Ro	ute-To-School:	No	
Reference:	City Staff		Greenw	/ay:	No	
Additional Facilities	Per 100ft					
Sidewalks & Paving - Median	\$	71,514.00	\$	1,630,519.20		
Bike Markings - Medium	\$	1,151.00	\$	26,242.80		
None	\$	-	\$	-		
Total Hard Costs			\$	1,656,762.00		
Soft Costs		36%	\$	596,434.32		
Sub-	-Total		\$	2,253,196.00		
Additional Contin	gency	20%	\$	450,639.00		
Sale	es Tax	10%	\$	270,384.00		
Inflation at 3% A	nnual	15.92%	\$	473,495.66		
			2021 To	otal	\$	3,447,714.66

58	64th Place West	Central Drive to Cl	nennault Beach Dr				
	Improvement Length		1650	Capaci	ty Project:	No	
	Preliminary Hard Costs			Safe-Ro	oute-To-School:	No	
	Reference:	City Staff		Greenv	way:	No	
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	1,179,981.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	1,179,981.00		
	Soft Costs		36%	\$	424,793.16		
	Su	ıb-Total		\$	1,604,774.16		
	S	ales Tax	10%	\$	160,477.42		
	Inflation at 3%	Annual	15.92%	\$	281,028.05		
				2021 T	otal	\$	2,046,279.63





59 76th Street C	Crossing	76th Street & SR 525					
Improvemen	t Length		0	Capacity Proj	ect:	No	
Preliminary I	Hard Costs	\$	67,200.00	Safe-Route-To	o-School:	No	
Reference:		CDC		Greenway:		Yes	
Additional Fa	cilities	Per 100ft					
None		\$	-	\$	-		
None		\$	-	\$	-		
None		\$	-	\$	-		
Total Hard Co	osts			\$	67,200.00		
Soft Costs			36%	\$	24,192.00		
	Sub-Tota	l		\$	91,392.00		
Р	roject Cost Adjustment (+)		\$	18,559.00		
	Sales Tax	(10%	\$	10,995.00		
	Inflation at 3% Annua	l	15.92%	\$	19,255.00		
				2021 Total		\$	140,201.00

60	Goat Trail Pedestrain Bridge	Washington Ave over SR 525				
	Improvement Length		0	Capacity Project:		No
	Preliminary Hard Costs			Safe-Route-To-School	ol:	No
	Reference:	City Staff		Greenway:		Yes
	Additional Facilities	Per 100ft				
	None	\$	-	\$	-	
	None	\$	-	\$	-	
	None	\$	-	\$	-	
	Total Hard Costs			\$	-	
	Soft Costs		36%	\$	-	
	Sub-Tota	al		\$	-	
	Sales Ta	x	10%	\$	-	
	Inflation at 3% Annua	al	15.92%	\$	-	
				2021 Total		\$ -

61	80th/81st Crossing	80th/81st & SR 525					
	Improvement Length		0	Capacity Proj	ect:	No	
	Preliminary Hard Costs	\$	67,200.00	Safe-Route-T	o-School:	No	
	Reference:	CDC		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	67,200.00		
	Soft Costs		36%	\$	24,192.00		
	Sub-To	tal		\$	91,392.00		
	Project Cost Adjustment	(+)		\$	18,559.00		
	Sales T	`ax	10%	\$	10,995.00		
	Inflation at 3% Annu	ual	15.92%	\$	19,255.00		
				2021 Total		\$	140,201.00





62	86th Crossing	86th & SR 525					
	Improvement Length		0	Capacity Pro	ject:	No	
	Preliminary Hard Costs	\$	67,200.00	Safe-Route-	To-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	67,200.00		
	Soft Costs		36%	\$	24,192.00		
	Su	ıb-Total		\$	91,392.00		
	Project Cost Adjustr	nent (+)		\$	18,559.00		
	S	ales Tax	10%	\$	10,995.00		
	Inflation at 3%	Annual	15.92%	\$	19,255.00		
				2021 Total		\$	140,201.00

63	2nd Street Crosswalk	2nd Street & SR 525					
	Improvement Length		0	Capacity Proj	city Project:		
	Preliminary Hard Costs	\$	67,200.00	Safe-Route-T	o-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	67,200.00		
	Soft Costs		36%	\$	24,192.00		
	S	Sub-Total		\$	91,392.00		
	Project Cost Adjust	ment (+)		\$	18,559.00		
	:	Sales Tax	10%	\$	10,995.00		
	Inflation at 39	% Annual	15.92%	\$	19,255.00		
				2021 Total		\$	140,201.00

64	South Road Markings	SR 525 to Harbour Reach Drive	!	Project List:			#REF!
	Improvement Length		5000	Capacity Pro	ject:	No	
	Preliminary Hard Costs			Safe-Route-	To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Medium	\$	1,151.00	\$	57,550.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	57,550.00		
	Soft Costs		36%	\$	20,718.00		
		Sub-Total		\$	78,268.00		
		Sales Tax	10%	\$	7,826.80		
	Inflation a	at 3% Annual	15.92%	\$	13,706.29		
				2021 Total		\$	99,801.09





65	Possession Way Bike Markings	HP Blvd to Harbou	ur Reach Drive				
	Improvement Length		4400	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	es Per 100ft					
	Bike Markings - Medium	\$	1,151.00	\$	50,644.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	50,644.00		
	Soft Costs		36%	\$	18,231.84		
	Sub-To	otal		\$	68,875.84		
	Sales ⁻	Тах	10%	\$	6,887.58		
	Inflation at 3% Ann	ual	15.92%	15.92% \$ 12,061.54			
				2021 Total		\$	87,824.96

66	Blue Heron Drive Bike Markings	HP Blvd to Harbour Reacl	h Drive.				
	Improvement Length		3400	Capacity Pr	oject:	No	
	Preliminary Hard Costs			Safe-Route	-To-School:	No	
	Reference:	City Staff		Greenway:		Yes	
	Additional Facilities	Per 100ft					
	Bike Markings - Low	\$	539.00	\$	18,326.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	18,326.00		
	Soft Costs		36%	\$	6,597.36		
	Sub-To	otal		\$	24,923.36		
	Sales ⁻	Тах	10%	\$	2,492.34		
	Inflation at 3% Ann	ual	15.92%	\$	4,364.58		
				2021 Total		\$	31,780.27

67	526 Shared Use Path	84th Street to Boeing					
	Improvement Length		6300	Capacity P	roject:	Yes	
	Preliminary Hard Costs	\$	3,351,000.00	Safe-Route	e-To-School:	No	
	Reference:	City Staff		Greenway	Greenway:		
	Additional Facilities	Per 100ft					
	ROW Purchase			\$	70,000.00		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	3,421,000.00		
	Soft Costs		36%	\$	1,231,560.00		
	Sul	o-Total		\$	4,652,560.00		
	Additional Conti	ngency	30%	\$	1,395,768.00		
	Sa	les Tax	10%	\$	604,833.00		
	Inflation at 3%	Annual	15.92%	\$	1,059,183.23		
				2021 Total		\$	7,712,344.23





68	Possesion View Lane Sidewalks	Washington Ave	to Goat Trial Rd				
	Improvement Length		834	Capacity I	Project:	No	
	Preliminary Hard Costs			Safe-Rout	afe-Route-To-School: reenway:		
	Reference:	City Staff		Greenway			
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	596,426.76		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	596,426.76		
	Soft Costs		36%	\$	214,713.63		
	Sub-	Total		\$	811,140.39		
	Sale	s Tax	10%	\$	81,114.04		
	Inflation at 3% An	nnual	15.92%	\$	142,046.91		
				2021 Tota	nl .	\$	1,034,301.33

69	Chennault Beach Road Bike Markings	Harbour Pointe Blvd to Pro	ject 56 & 57				
	Improvement Length		3700	Capacity Project:		No	
	Preliminary Hard Costs			Safe-Route-T	o-School:	No	
	Reference:	City Staff		Greenway:		No	
	Additional Facilities	Per 100ft					
	Bike Lane Marking - Low	\$	2,467.00	\$	20,574.78		
	None None	\$	-	\$	-		
		\$	-	\$	-		
	Total Hard Costs			\$	20,574.78		
	Soft Costs		36%	\$	7,406.92		
	Sub-Tota			\$	27,981.70		
	Sales Tax	(10%	\$	2,798.17		
	Inflation at 3% Annua	l	15.92%	\$	4,900.16		
				2021 Total		\$	35,680.03

70	62nd Street & Canyon Road	62nd Street & Canyon Road					
	Improvement Length		2150	Capacity Pro	ject:	No	
	Preliminary Hard Costs			Safe-Route-	To-School:	No	
	Reference:	City Staff		Greenway:	Greenway:		
	Additional Facilities	Per 100ft					
	Sidewalks & Paving - Median	\$	71,514.00	\$	596,426.76		
	None	\$	-	\$	-		
	None	\$	-	\$	-		
	Total Hard Costs			\$	596,426.76		
	Soft Costs		36%	\$	214,713.63		
	Sub	o-Total		\$	811,140.39		
	Sal	les Tax	10%	\$	81,114.04		
	Inflation at 3% A	Annual	15.92%	\$	142,046.91		
				2021 Total		\$	1,034,301.33