



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
 BY: **Cyndy Knighton, Senior Program Manager**
 CC: **Mayor Ekberg**
 DATE: **March 18, 2022**
 SUBJECT: **S 152nd Street Safe Routes to School Project**
Project Nos. 91710303 and 90341206
Consultant Selection and Agreement

ISSUE

Authorize the Mayor to execute a consultant agreement with KPG-Psomas to provide preliminary engineering design services for the S 152nd Street Safe Routes to School (SRTS) Project.

BACKGROUND

The S 152nd Street SRTS project will design new curb, gutter, and sidewalks along the stretch of road between Tukwila International Boulevard and 42nd Avenue S. Additionally, improvements to the existing storm drainage system will be included to improve operation and water quality in the Gilliam Creek basin. On-street parking, landscaping, amenities, and wayfinding may also be included after reaching out to the neighborhood to solicit preferences.

ANALYSIS

The City issued a Request for Proposals for this project on October 5, 2021. Three proposals were submitted by the deadline of October 26, 2021: KPG, OTAK, and Transpo Group. All three firms were deemed highly qualified, and all were invited to interview.

After scoring the proposals and conducting interviews, staff selected KPG as the most qualified firm. After negotiations, the attached Consultant Agreement was developed.

FINANCIAL IMPACT

The cost estimate provided by KPG for design is for \$453,254.00. The contract will be funded in part by a Sound Transit System Access Fund Grant, awarded to the City for design in 2020. Remaining costs are related to drainage system improvements and will be covered by the NW Gilliam Basin Storm Drainage System CIP budget.

	<u>Cost Estimate</u>	<u>Budget</u>
Consultant Agreement	\$453,254	
System Access Fund Grant		\$369,000
NW Gilliam Basin Storm Drainage System		\$100,000
Total	\$453,254	\$469,000

RECOMMENDATION

The Council is being asked to approve the consultant agreement with KPG-Psoma in the amount of \$448,994.00 and consider this item on the Consent Agenda at the April 4, 2022 Regular Meeting.

ATTACHMENTS: Page 3, 2021 CIP
Page 93, 2021 CIP
Consultant Agreement

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: S 152nd St Safe Routes to School

Project No. 91710303

DESCRIPTION: Install curb, gutter, and sidewalks on both sides of S 152nd St, including widening pavement width by three feet to construct an on-street parking lane as a buffer between the roadway and sidewalk on the north side.

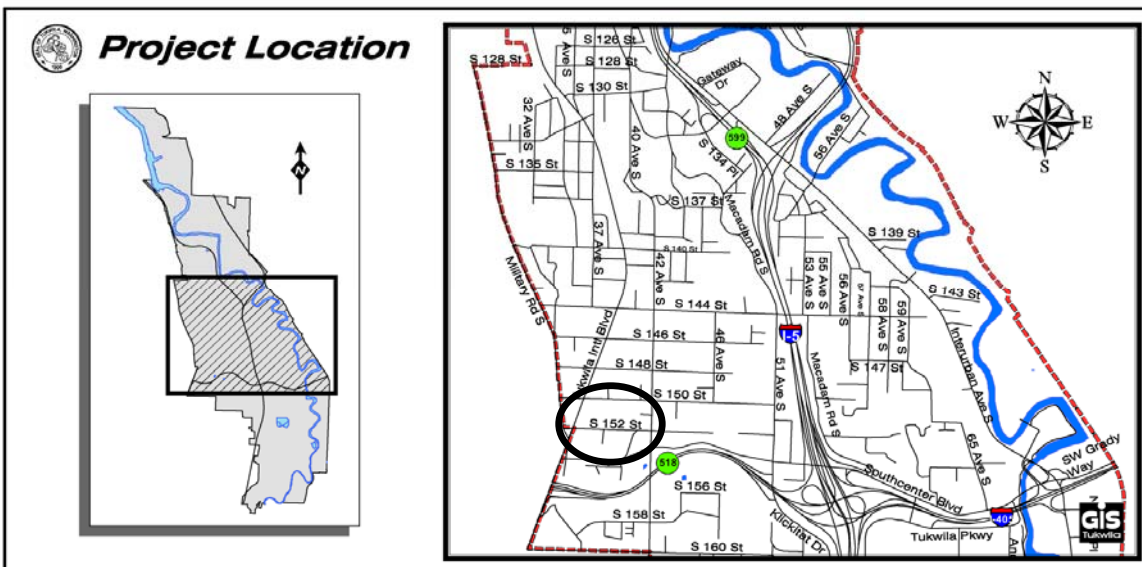
JUSTIFICATION: Enhance safety for students walking to Foster High School, Showalter Middle School, and Thorndyke Elementary School and encourage transportation choices for the neighborhood.

STATUS: Design funded, construction pending SRTS grant funding.

MAINT. IMPACT: New sidewalk and pavement will need to be maintained.

COMMENT: Sound Transit System Access Fund Grant of \$369k for design. Apply for SRTS grant in 2021 for construction.

FINANCIAL (in \$000's)	Through		Estimated								
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	TOTAL	
EXPENSES											
Design			369							369	
Land (R/W)										0	
Const. Mgmt.				400						400	
Construction				2,200						2,200	
TOTAL EXPENSES	0	0	369	2,600	0	0	0	0	0	2,969	
FUND SOURCES											
Awarded Grant			369							369	
Proposed Grant				2,340						2,340	
Solid Waste Utility Tax										0	
Mitigation Expected										0	
City Oper. Revenue	0	0	0	260	0	0	0	0	0	260	
TOTAL SOURCES	0	0	369	2,600	0	0	0	0	0	2,969	



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Northwest Gilliam Basin Storm Drainage System Project No. 90341206

DESCRIPTION: Upgrade existing storm drainage system. Provide water quality treatment manholes at the downstream end of the retrofitted drainage systems. Provide asphalt overlay and extruded asphalt curb for all streets.

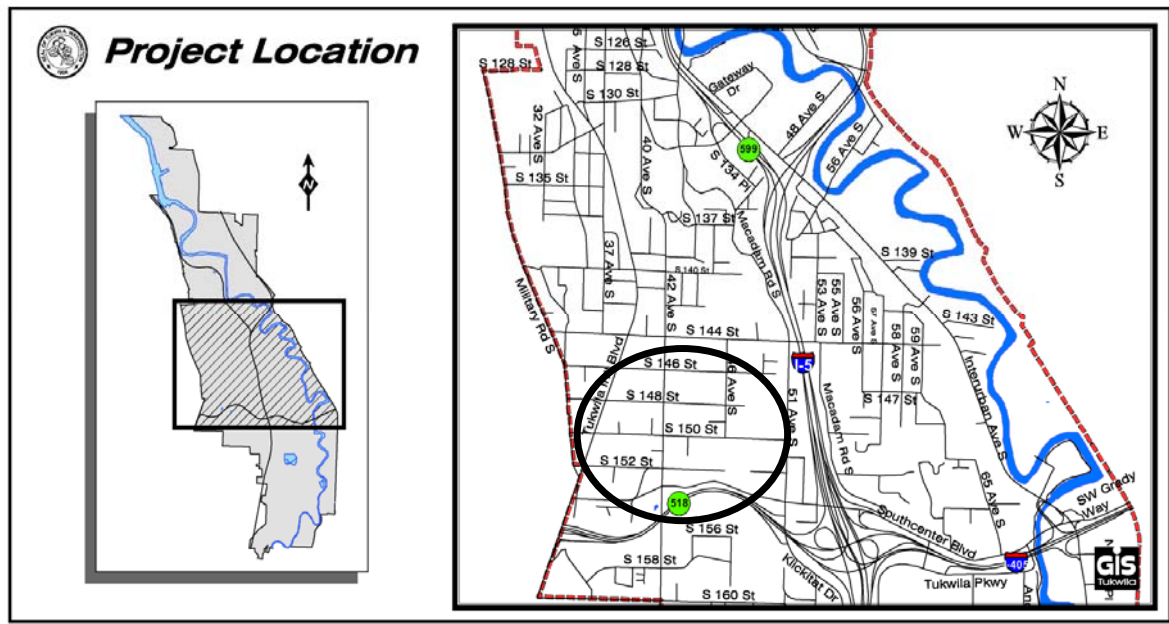
JUSTIFICATION: Reduces right-of-way and private property flooding by increasing the hydraulic capacity of the existing storm drainage system. Water quality manholes remove sediment and oil from street runoff.

STATUS: S 146th St was completed in 2009 and S 150th in 2015 with Thorndyke Safe Routes to School. Remaining streets include S 148th St and S 152nd St.

MAINT. IMPACT: Expected to decrease maintenance.

COMMENT: Where feasible, combine with future water quality and overlay projects to reduce costs and construction impact.

FINANCIAL (in \$000's)	Through		Estimated							BEYOND	TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026			
EXPENSES											
Design				100							100
Land (R/W)											0
Const. Mgmt.					40						40
Construction					800						800
TOTAL EXPENSES	0	0	0	100	840	0	0	0	0	0	940
FUND SOURCES											
Awarded Grant											0
Proposed Grant											0
Mitigation Actual											0
Mitigation Expected											0
Utility Revenue	0	0	0	100	840	0	0	0	0	0	940
TOTAL SOURCES	0	0	0	100	840	0	0	0	0	0	940





PROFESSIONAL SERVICES AGREEMENT

(Includes consultants, architects, engineers, accountants, and other professional services)

THIS AGREEMENT is entered into between the City of Tukwila, Washington, hereinafter referred to as “the City”, and KPG-Psomas, hereinafter referred to as “the Consultant”, in consideration of the mutual benefits, terms, and conditions hereinafter specified.

1. **Project Designation.** The Consultant is retained by the City to perform engineering design services in connection with the project titled S 152nd Street Safe Routes to School.
2. **Scope of Services.** The Consultant agrees to perform the services, identified on Exhibit “A” attached hereto, including the provision of all labor, materials, equipment and supplies.
3. **Duration of Agreement; Time for Performance.** This Agreement shall be in full force and effect for a period commencing upon execution and ending December 31, 2023, unless sooner terminated under the provisions hereinafter specified. Work under this Agreement shall commence upon written notice by the City to the Consultant to proceed. The Consultant shall perform all services and provide all work product required pursuant to this Agreement no later than December 31, 2023 unless an extension of such time is granted in writing by the City.
4. **Payment.** The Consultant shall be paid by the City for completed work and for services rendered under this Agreement as follows:
 - A. Payment for the work provided by the Consultant shall be made as provided on Exhibit “B” attached hereto, provided that the total amount of payment to the Consultant shall not exceed \$453,254.00 without express written modification of the Agreement signed by the City.
 - B. The Consultant may submit vouchers to the City once per month during the progress of the work for partial payment for that portion of the project completed to date. Such vouchers will be checked by the City and, upon approval thereof, payment shall be made to the Consultant in the amount approved.
 - C. Final payment of any balance due the Consultant of the total contract price earned will be made promptly upon its ascertainment and verification by the City after the completion of the work under this Agreement and its acceptance by the City.
 - D. Payment as provided in this section shall be full compensation for work performed, services rendered, and for all materials, supplies, equipment and incidentals necessary to complete the work.
 - E. The Consultant’s records and accounts pertaining to this Agreement are to be kept available for inspection by representatives of the City and the state of Washington for a period of three (3) years after final payments. Copies shall be made available upon request.

5. **Ownership and Use of Documents.** All documents, drawings, specifications and other materials produced by the Consultant in connection with the services rendered under this Agreement shall be the property of the City whether the project for which they are made is executed or not. The Consultant shall be permitted to retain copies, including reproducible copies, of drawings and specifications for information, reference and use in connection with the Consultant's endeavors. The Consultant shall not be responsible for any use of the said documents, drawings, specifications or other materials by the City on any project other than the project specified in this Agreement.
6. **Compliance with Laws.** The Consultant shall, in performing the services contemplated by this Agreement, faithfully observe and comply with all federal, state, and local laws, ordinances and regulations, applicable to the services rendered under this Agreement.
7. **Indemnification.** The Consultant shall defend, indemnify and hold the City, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Consultant and the City, its officers, officials, employees, and volunteers, the Consultant's liability hereunder shall be only to the extent of the Consultant's negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes the Consultant's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

8. **Insurance.** The Consultant shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees. Consultant's maintenance of insurance as required by the agreement shall not be construed to limit the liability of the Consultant to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

A. **Minimum Amounts and Scope of Insurance.** Consultant shall obtain insurance of the types and with the limits described below:

1. **Automobile Liability** insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident. Automobile Liability insurance shall cover all owned, non-owned, hired and leased vehicles. Coverage shall be written on Insurance Services Office (ISO) form CA 00 01 or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage.
2. **Commercial General Liability** insurance with limits no less than \$2,000,000 each occurrence, \$2,000,000 general aggregate. Commercial General Liability insurance shall be at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, stop-gap independent contractors and personal injury and advertising injury. The City shall be named as an additional insured under the Consultant's Commercial General Liability insurance policy with respect to the work performed for the City using an additional insured endorsement at least as broad as ISO endorsement form CG 20 26.
3. **Workers' Compensation** coverage as required by the Industrial Insurance laws of the State of Washington.

4. Professional Liability with limits no less than \$2,000,000 per claim and \$2,000,000 policy aggregate limit. Professional Liability insurance shall be appropriate to the Consultant's profession.
- B. **Public Entity Full Availability of Contractor Limits.** If the Contractor maintains higher insurance limits than the minimums shown above, the Public Entity shall be insured for the full available limits of Commercial General and Excess or Umbrella liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract or whether any certificate of insurance furnished to the Public Entity evidences limits of liability lower than those maintained by the Contractor.
- C. **Other Insurance Provision.** The Consultant's Automobile Liability and Commercial General Liability insurance policies are to contain, or be endorsed to contain that they shall be primary insurance with respect to the City. Any Insurance, self-insurance, or insurance pool coverage maintained by the City shall be excess of the Consultant's insurance and shall not be contributed or combined with it.
- D. **Acceptability of Insurers.** Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII.
- E. **Verification of Coverage.** Consultant shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsement, evidencing the insurance requirements of the Contractor before commencement of the work. Upon request by the City, the Consultant shall furnish certified copies of all required insurance policies, including endorsements, required in this Agreement and evidence of all subcontractors' coverage.
- F. **Notice of Cancellation.** The Consultant shall provide the City with written notice of any policy cancellation, within two business days of their receipt of such notice.
- G. **Failure to Maintain Insurance.** Failure on the part of the Consultant to maintain the insurance as required shall constitute a material breach of contract, upon which the City may, after giving five business days notice to the Consultant to correct the breach, immediately terminate the contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the City on demand, or at the sole discretion of the City, offset against funds due the Consultant from the City.
9. **Independent Contractor.** The Consultant and the City agree that the Consultant is an independent contractor with respect to the services provided pursuant to this Agreement. Nothing in this Agreement shall be considered to create the relationship of employer and employee between the parties hereto. Neither the Consultant nor any employee of the Consultant shall be entitled to any benefits accorded City employees by virtue of the services provided under this Agreement. The City shall not be responsible for withholding or otherwise deducting federal income tax or social security or for contributing to the state industrial insurance program, otherwise assuming the duties of an employer with respect to the Consultant, or any employee of the Consultant.
10. **Covenant Against Contingent Fees.** The Consultant warrants that he has not employed or retained any company or person, other than a bonafide employee working solely for the Consultant, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than a bonafide employee working solely for the Consultant, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award or making of this contract. For breach or violation of this warrant, the City shall have the right to annul this contract without liability, or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

11. **Discrimination Prohibited.** Contractor, with regard to the work performed by it under this Agreement, will not discriminate on the grounds of race, religion, creed, color, national origin, age, veteran status, sex, sexual orientation, gender identity, marital status, political affiliation, the presence of any disability, or any other protected class status under state or federal law, in the selection and retention of employees or procurement of materials or supplies.
12. **Assignment.** The Consultant shall not sublet or assign any of the services covered by this Agreement without the express written consent of the City.
13. **Non-Waiver.** Waiver by the City of any provision of this Agreement or any time limitation provided for in this Agreement shall not constitute a waiver of any other provision.
14. **Termination.**
 - A. The City reserves the right to terminate this Agreement at any time by giving ten (10) days written notice to the Consultant.
 - B. In the event of the death of a member, partner or officer of the Consultant, or any of its supervisory personnel assigned to the project, the surviving members of the Consultant hereby agree to complete the work under the terms of this Agreement, if requested to do so by the City. This section shall not be a bar to renegotiations of this Agreement between surviving members of the Consultant and the City, if the City so chooses.
15. **Applicable Law; Venue; Attorney's Fees.** This Agreement shall be subject to, and the Consultant shall at all times comply with, all applicable federal, state and local laws, regulations, and rules, including the provisions of the City of Tukwila Municipal Code and ordinances of the City of Tukwila. In the event any suit, arbitration, or other proceeding is instituted to enforce any term of this Agreement, the parties specifically understand and agree that venue shall be properly laid in King County, Washington. The prevailing party in any such action shall be entitled to its attorney's fees and costs of suit. Venue for any action arising from or related to this Agreement shall be exclusively in King County Superior Court.
16. **Severability and Survival.** If any term, condition or provision of this Agreement is declared void or unenforceable or limited in its application or effect, such event shall not affect any other provisions hereof and all other provisions shall remain fully enforceable. The provisions of this Agreement, which by their sense and context are reasonably intended to survive the completion, expiration or cancellation of this Agreement, shall survive termination of this Agreement.
17. **Notices.** Notices to the City of Tukwila shall be sent to the following address:

City Clerk
City of Tukwila
6200 Southcenter Boulevard
Tukwila, WA 98188

Notices to Consultant shall be sent to the following address:

18. **Entire Agreement; Modification.** This Agreement, together with attachments or addenda, represents the entire and integrated Agreement between the City and the Consultant and supersedes all prior negotiations, representations, or agreements written or oral. No amendment or modification of this Agreement shall be of any force or effect unless it is in writing and signed by the parties.

DATED this _____ day of _____, 20_____.

CITY OF TUKWILA

CONSULTANT

Allan Ekberg, Mayor

By: _____

Printed Name: _____

Title: _____

Attest/Authenticated:

Approved as to Form:

City Clerk, Christy O'Flaherty

Office of the City Attorney

SCOPE OF SERVICES

Exhibit A

City of Tukwila S 152nd St Non Motorized Connections Project City Project No. 91710303 KPG Project No 21120

KPG Psomas Inc
February 2022

Project Description and Goals

This project will design and construct sidewalks on S 152nd Street as well as wayfinding at nine critical locations to assist pedestrians and cyclists on decision making for routing and safe walking. The new sidewalks will eliminate a gap in the pedestrian network that services both the Tukwila International Boulevard Link Station (TIBS) and the local K-12 schools in the Tukwila School District. The TIBS station is within 1/3 mile of the project and has a high rate of local pedestrians accessing the high-capacity transit site. Improving the walkability of surrounding streets is expected to increase pedestrian access to the TIBS site and reduce the reliance on local vehicular access into the surrounding parking lot and overflow parking areas.

The City of Tukwila is in the process of creating zoning changes for the surrounding Tukwila International Boulevard (TIB) neighborhood, supporting the creation of a transit oriented development (TOD) neighborhood. Residential densities are expected to increase substantially over the current level, parking standards would be reduced to encourage and support transit mobility, and pedestrian passages along with improved sidewalks on existing streets would create greater walkability. A new high-density housing (Bellwether) site on S 152nd Street is providing a north/south pedestrian connection from the public street to the TIBS overflow parking lot, north of the TIBS site. Wayfinding along this street and at key locations in the immediate vicinity will be included.

This project is envisioned to change the current condition of two 10' wide lanes and 5' paved shoulder on the north side of the street, to maximize the use of the existing 50' right-of-way to include on-street parking, street trees, and separated sidewalks. Additionally, the storm drainage system will be upgraded to close intermittent open ditches, replace existing conveyance pipes where necessary, and install water quality improvements. Undergrounding of the overhead aerial utilities is not expected.

Key Elements:

- ◆ Final design and PS&E for all work on S 152nd Street
- ◆ SEPA checklist
- ◆ Coordination with Bellwether site development for connections to the north/south pedestrian corridor.
- ◆ Piping intermittent open ditch drainage
- ◆ Utility coordination

The work included in this agreement includes all necessary survey, permitting, and design to complete the project as described in the scope of work. No underground utility construction is anticipated or included in the scope of work. A new conveyance system is expected to be designed and constructed with these improvements. Water quality and detention facilities are expected to be incorporated into the proposed drainage system.

Potential Supplemental Work:

- ◆ Environmental studies
- ◆ Construction support

Assumptions for the S 152nd St Non Motorized Connections

- ◆ Federal Funding will not be procured for the construction phase of the improvements.
- ◆ ROW acquisition will not be required for this project. Permanent and Temporary Easements may be required and KPG will utilize subconsultant for documentation.
- ◆ SEPA will be required.
- ◆ DAHP EZ 1 Form per EO 21-02 will be required.
- ◆ Drainage & Water Quality Reports will be required.
- ◆ Environmental Documentation beyond SEPA and DAHP EZ form will not be required.
- ◆ Undergrounding of the aerial utilities is not included in this scope of work.
- ◆ SCL will install required project illumination. KPG will document and identify where supplemental illumination is required. Specific illumination plan and specification preparation within the construction documents will not be required.
- ◆ City will provide As-Built Plans for existing development and 42nd Ave S Stormwater Facility.

Deliverables

- ◆ Scroll Plots and meeting notes during the alternative selection process
- ◆ 30% review submittal with Plans and Estimate
- ◆ 60% review submittal with Plans, Specifications, and Estimate
- ◆ 90% review submittal with Plans, Specifications, and Estimate
- ◆ 100% review submittal with Plans, Specifications, and Estimate
- ◆ Routing of 30%, 60%, and 90% Plans to utilities for review and comment.
- ◆ Bid Documents and Engineer's Estimate.
- ◆ Coordinate upload of Plans and Specifications to Builders Exchange.
- ◆ Bid Analysis and recommendation for award.
- ◆ Preconstruction Meeting Attendance.
- ◆ Grant writing applications
- ◆ Illumination Memo
- ◆ Draft and Final Drainage Report
- ◆ Geotechnical Report
- ◆ Utility and Property Owner Coordination Logs
- ◆ SEPA Checklist
- ◆ EZ 1 Form for EO 21-02

Scope of Work:

Task 1 Project Management/Coordination/Administration.

- 1.1 The Consultant will provide continuous project management for the project duration through the bid opening and award in April 2023 (16 Months).
- 1.2 The Consultant shall prepare monthly progress reports identifying work in progress, upcoming work elements, and reporting of any delays, problems, or additional information needs. Any elements that may impact project completion time and cost shall be highlighted. Monthly invoices for work completed to date shall be submitted to the City.
- 1.3 The Consultant shall prepare for and attend up to two coordination meetings per month (estimate 26 meetings) with the City during the project to discuss design issues and track progress. The Consultant shall prepare a summary of design issues and discussion items for all meetings.

Deliverables

- ◆ Project Schedule and necessary updates
- ◆ Monthly progress reports and invoicing
- ◆ Meeting agendas and minutes including a summary of decisions made / needed resulting from design coordination meetings

Task 2 Survey and Base Mapping.

Limits of survey:

- S 152nd St (from right of way to right of way plus additional 10' and an additional 15' at driveways and 50' at side streets) from 5' west of curb radii at Tukwila International Boulevard to the east ROW line along 42nd Ave S.
 - Existing 42nd Ave S Stormwater Detention facility including 20' beyond the fence line to east, north and south.
 - 42nd Ave S (from right of way to right of way) 150' north and south of the S 152nd St Intersection.
- 2.1 Establish horizontal and vertical control points along the corridor for field topographic survey. Basis of control will be NAD83(2011) and NAVD88. The CONSULTANT will locate, field survey, and calculate positions for all monuments and control points throughout the project limits, using the Washington State plane coordinate system. Conventional or GPS surveying methods will be used on this project. Monuments or corners to be located and field surveyed include the following:
 - Section Corners
 - Side street monuments
 - Property Corners
 - 2.2 Field Survey and Note Reduction. Perform note reduction of the field survey data.
 - 2.3 Mapping work to prepare 1"=20' topographic base map and digital terrain model

(DTM) in AutoCAD format of the project within the limits described above as well as incorporating existing mapping data provided by the City.

- 2.4 The Consultant will retain the services of a firm to field locate and paint all utility locations within the project corridor so that they can be surveyed and incorporated into the base maps. Service line locations and gravity storm and sewer will not be field located. Perform field survey to locate paint marks including surface features (valves, manholes, catch basins, junction boxes, vaults, etc). Irrigation systems will not be included.
- 2.5 Perform observation and measure-downs of existing storm drain catch basins and manholes. The approximate size, type (brick, concrete), and general condition of the structures to confirm suitability for continued use, and approximate size and location of storm drainage pipes will be documented. These observations will be made from the surface.
- 2.6 The Consultant shall survey the utility potholes performed by franchise utilities.
- 2.7 QA/QC review base map for completeness and accuracy and incorporate findings.

Deliverables

- ◆ Electronic copies of the completed field topographic base map in PDF and AutoCAD.

Task 3 Right of Way Calculations

Perform the following work items necessary to establish the existing right-of-way (ROW) along the corridor based on publicly available information. Title research or property rights acquisition is not anticipated or included in the project budget. Research Records. Determine which existing corners and monuments should be field located and surveyed.

- 3.1 Determine and order title reports for up to five (5) parcels requiring easement acquisition from a title company acceptable to the City.
- 3.2 Calculations for ROW centerline alignment and ROW lines. Using the research information and the survey mapping work described above, calculate location and surveyed corners, roadway features and monuments. The Consultant will determine the centerline alignment for S 152nd St within the project limits as defined in this scope. The ROW centerline will be defined geometrically using Washington state plane coordinates and stationing will be assigned to the alignment.
- 3.3 Mark easement areas. Easement areas will be marked in white paint or survey hubs for viewing by the land owners and ROW Consultant.

Deliverables:

- ◆ Right of way information will be incorporated into the project base maps.
- ◆ Title reports for affected properties.

- ◆ Easement lines will be incorporated into the construction plan set.

Task 4 Preliminary Design

The Consultant shall prepare preliminary engineering of the S 152nd Non Motorized Improvements. Preliminary engineering will include the following sub-tasks:

- 4.1 The Consultant shall evaluate up to five cross sections to determine the best fit cross section for the corridor. Cross sections and their pros and cons will be presented to City for evaluation. The Consultant shall make a recommendation on which cross sections are most appropriate for the corridor.
- 4.2 The Consultant shall evaluate the feasibility of up to two new crossings of S 152nd St. One mid block crossing connection to the Bellwether shared use path and another potential crossing at 40th Ave S. Enhanced crossing treatments will be evaluated for both crossings, including RRFB analysis.
- 4.3 The Consultant shall provide assistance to the City on identifying opportunities for the integration of the directional wayfinding signs, to guide users to the major points of interest. The Consultant shall coordinate with City to create design parameters for the graphic content/aesthetic, theme/character development and alternatives for thematic elements of the wayfinding. The Consultant shall attend up to (2) meetings for design, review and approval wayfinding design. The Consultant shall integrate the wayfinding design into Urban Design Toolkit deliverable.
- 4.4 The Consultant shall evaluate existing illumination system along the project limits. Work shall include, but not limited to, identifying poorly illuminated areas, taking inventory of existing fixtures, and model performance of the existing system. Illumination improvements will likely include installation of new luminaires on existing poles and/or adding utility poles and luminaires. KPG will provide the illumination report and proposed pole locations to SCL for installation of the improvements.
- 4.5 The consultant shall prepare a draft design memo is based on the WSDOT Design Manual (M 22-01), the American Association of State Highway Transportation Officials (AASHTO) publication A Policy of Geometric Design of Highways and Streets and the City of Tukwila Public Works Development Standards.
- 4.6 The Consultant shall prepare 30% Design Plans. Attend a meeting with City staff to go through proposed improvements and discuss costs, and/or utilities to coordinate relocations or design modifications.

It is anticipated that 30% plans will include the following sheets. Sheets may be combined or separated for clarity:

Cover sheet	(1 sheet)
Sheet Index, Survey Control & Alignment Data	(1 sheet)
Legend and Abbreviations	(1 sheet)
Roadway Typical Sections	(1 sheets)

Site Preparation Plans	(2 sheets)
Roadway & Drainage Plan	(4 sheets)
Details	(2 sheets)
Curb Ramp & Crossing Plan	(4 sheets)
Landscape Plans	(2 sheets)
Irrigation Plans	(2 sheets)
Urban Design Plans	(2 sheets)
Wayfinding Plan	(2 sheets)

TOTAL = 26 sheets

- 4.7 The Consultant shall prepare a 30% Cost Estimate.
- 4.8 The Consultant shall provide support of the City during coordination with Sound Transit for connection to the parking station south of the project location.
- 4.9 Provide senior QA/QC review of preliminary deliverables.

Deliverables

- ◆ 5 Alternative Sections presented in scroll plot PDF format.
- ◆ 30% Plan Set 1 electronic copy in PDF format.
- ◆ Illumination Technical Memo, 1 bound copy and 1 electronic file in PDF format.
- ◆ 30% Cost Estimate, 1 electronic file in PDF format.
- ◆ Urban Design Toolkit including alternatives for wayfinding signage.
- ◆ Design Memorandum.

Assumptions

- ◆ Illumination improvements will include installation of new luminaires on existing poles and/or adding utility poles and luminaires. It is anticipated that KPG will provide proposed pole locations and that design and installation work will be performed by SCL.

Task 5 Stormwater Management

The Consultant shall prepare preliminary engineering of stormwater management and conveyance facilities required for the project. In addition, the consultant shall assess the existing 42nd Ave S Stormwater Pond for incorporation into the stormwater management requirements of the corridor improvements. Preliminary engineering will include the following sub-tasks:

- 5.1 Compile and review existing stormwater data, including GIS data, record drawings, and previous storm drainage reports for projects in the vicinity of the proposed roadway improvements, including the 42nd Ave S Stormwater Facility.
- 5.2 Perform an offsite analysis in accordance with of the 2021 King County Surface Water Design Manual (KCSWDM). The analysis will extend downstream from the approximately 1/4 mile to the 42nd Ave S Stormwater Facility and the Gilliam Creek

outfall.

- 5.3 Analyze all applicable Core and Special Requirements of the KCSWDM to determine stormwater management requirements that will apply to the S 152nd St project.
- 5.4 Identify potential alternatives for meeting stormwater management requirements of the KCSWDM, including utilization of the existing 42nd Ave S Stormwater Facility and a full retrofit of the roadway for water quality treatment. Perform preliminary calculations for sizing alternatives facilities and prepare conceptual drawings to illustrate each alternative.
- 5.5 Perform alternatives evaluation, consisting of planning-level cost estimates and evaluation of advantages and disadvantages for each alternative identified in Task 5.4 for use in alternative selection by the City.
- 5.6 Prepare and submit a Draft Stormwater Design Report to document the preliminary stormwater design activities performed in the above subtasks. The report will identify a recommended alternative for the stormwater management design.
- 5.7 Prepare a Final Stormwater Design Report.

Deliverables

- ◆ Conceptual Drawings to illustrate each stormwater alternative., 1 electronic file in PDF format
- ◆ Draft Stormwater Design Report, 2 bound copies of report and 1 electronic file in PDF format
- ◆ Final Stormwater Design Report, 2 bound copies of report and 1 electronic copy in PDF format
- ◆ Cost Estimate for the each stormwater alternative, 1 electronic file in PDF format

Task 6 Geotechnical Services

The Consultant shall coordinate with a qualified geotechnical firm to complete field investigations to support the project as follows:

The Consultant shall support and coordinate with the Sub-Consultant, Nv5, to complete the following geotechnical work:

6.1 Geotechnical Exploration

The purpose of our services will be to provide geotechnical recommendations for support design of the new and replaced HMA section for the proposed roadway, retaining walls, luminary foundations, and utility installation. Our proposed scope of services is summarized as follows:

- Review information. We will review available existing preliminary plans and

geotechnical, geological, and environmental reports for the immediate area to help evaluate stormwater infiltration potential.

- Plan, coordinate, and manage the field investigation, which will include the following:
 - Mark exploration locations and request public utility locates. A separate trip to the site will be necessary to mark the exploration locations in order to get the utility locates completed, and a second trip will be necessary to observe locates and verify conflicts do not exist or to select an alternate exploration location.
 - Obtain a ROW permit and prepare an associated traffic control plan to support the field activities and subcontract traffic control.
 - Complete up to seven shallow borings to depths of up to 15 feet BGS to explore the existing pavement section and the subsurface conditions, and complete two boring up to 30 feet BGS within or adjacent to the existing 42nd Avenue South detention pond. The borings will be completed using hollow-stem auger drilling equipment. Our representative will collect soil samples via the Standard Penetration Test at approximately 2.5-foot intervals to a depth of 12 feet BGS and then at 5-foot intervals thereafter and maintain a log of the subsurface conditions encountered.
- Complete geotechnical laboratory analyses on disturbed soil samples collected from the explorations, including the following:
 - Moisture content determinations
 - Grain-size determinations
 - Cation exchange capacity (CEC) tests
 - Organic matter content determinations
- Prepare a draft (electronic PDF copy) and final report summarizing our findings, conclusions, and recommendations related to the following:
 - Subsurface soil and groundwater conditions and results the of laboratory testing.
 - Estimated preliminary soil infiltration rates based on the results of in-situ testing and experience in the area
 - Foundation recommendations for luminaries based on Washington State Department of Transportation Chapter 17.

- Pavement section recommendations for new pavement based on traffic count and classification information provided by KPG. Pavement sections will be provided for dense HMA.

6.2 Infiltration Study

The infiltration study will support design of the stormwater infiltration systems. The study is not included in Task 1, as locations of infiltration elements are generally not available until the civil engineering design progresses to approximately 30 percent. The study will include explorations to evaluate the subsurface conditions at the proposed locations of stormwater infiltration systems. Included under this task is an evaluation of the existing 42nd Avenue South detention pond and associated critical areas as described above.

Our proposed scope of services to support design of shallow infiltration systems is summarized as follows:

- Explore subsurface conditions by excavating up to two shallow test pits within the proposed infiltration areas and collect samples in general accordance with City code requirements.
 - Perform small-scale pilot infiltration tests (PITs) in the test pits to estimate long-term infiltration rates.
 - Obtain a ROW permit and prepare an associated traffic control plan to support the field activities and subcontract traffic control.
 - Perform analytical laboratory testing (CEC tests and organic content determinations) on samples near the base of the proposed infiltration facilities to evaluate water quality treatment potential.
 - Perform a geologic reconnaissance below the 42nd Avenue South detention pond to identify geologic critical areas, observe existing conditions, and identify potential project impacts and mitigation measures in accordance with City Municipal Code subsection 18.45.120.
 - Prepare a report summarizing our findings, conclusions, and recommendations, including the following:
 - Subsurface soil and groundwater conditions
 - Recommended long-term soil infiltration rates for shallow infiltration systems based on the results of the small-scale PITs
 - Summary of measured infiltration rates for the 42nd Avenue South detention pond
 - Project impacts and potential mitigation measures for geologic

critical areas adjacent to the 42nd Avenue South detention pond

Deliverables

- ◆ Draft and Final Geotechnical letter report

Task 7 Environmental Services

- 7.1 SEPA Checklist: The Consultant will prepare a SEPA checklist for the project improvements based on the reviewed 30% Plans. Submittal and processing will be by the City.
- 7.2 The Consultant will prepare and submit the EZ form in compliance with Washington State EO 21-02. It is assumed that a formal cultural resources assessment will not be required due to the developed nature of the site. An inadvertent discovery plan will be prepared and included in the project specifications if required.
- 7.3 The Consultant will prepare a Notice of Intent letter for submittal to the Washington Department of Ecology for a National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit. The Stormwater Pollution Prevention Plan (SWPPP) to support the NPDES permit will be prepared under Task 7. The application will include certification that public notice and SEPA requirements have been met.

Assumptions:

- ◆ The City will submit all permit application materials to the resource agencies and will pay all permit fees.
- ◆ The City will prepare and publish all required public notices for the permits.
- ◆ No other environmental permits besides NPDES will be required for this project.
- ◆ Preparation of a Stormwater Pollution Prevention Plan (SWPPP) will be by the construction contractor and is not included in this scope of work.

Deliverables:

- ◆ SEPA submittal copies as required.
- ◆ EO 21-02 EZ form
- ◆ Inadvertent discovery plan, if required
- ◆ Notice of Intent

Task 8 Community Outreach

- 8.1 Meet with City to develop a community outreach coordination plan. It is assumed this meeting will establish public outreach meeting needs and schedule (1 meeting).
- 8.2 Prepare and mail initial contact flyers with graphic and text (1-page, double sided) to the designated community members outlining the City's project goals, anticipated schedule and invitation to the Open House Community Meeting. The Consultant shall prepare and send flyer, City to provide a mailing list.
- 8.3 Prepare for and attend one Open House Meeting with the community to discuss the preliminary and final design processes. The Consultant shall provide scroll plots,

sample traffic calming device boards or graphics and up to 2 perspective drawings.

- 8.4 Prepare and mail two sets of follow up flyers with graphics and text (2-page, double sided) for community members as a follow up to the community meeting. Content to be established by the City after the community meeting. Reduce information from board and plots created for the community meeting in a format to be posted on the City website.
- 8.5 Meet with property owners in the field to discuss layout placement and impacts. Prepare additional graphics for property owner meetings, if necessary.

Deliverables:

- ◆ Design exhibits as required for described meetings and open house
- ◆ Meeting Minutes
- ◆ Graphics for property owner discussions
- ◆ Coordination Logs between project engineer and property owners

Task 9 Utility Coordination

- 9.1 Initial utility coordination letters will be sent to the Water District 125, PSE, Valley View Sewer District, Seattle City Light, Comcast and other franchise utility providers in the area at the beginning of the project. These letters will serve to notify the utilities about the upcoming project and request information on any planned projects along the corridor within the next 2 years. Follow up letters will be sent to the utilities after each submittal along with a set of plans with the individual utility's facilities highlighted. Potential conflicts will be identified, and potholing will be requested, if necessary.
- 9.2 The Consultant will prepare presentation materials and attend up to four (4) coordination meetings with franchise utility owners to review project elements, potential conflicts, and schedule of construction.
- 9.3 Coordinate with the utility companies and identify locations for potholing based on the preferred design alternative as determined after 30% review by the City.

Consultant will prepare a potholing plan for review and approval by the City. **The Consultant shall conduct all potholing of utilities utilizing a third party vector service or City provided vector team.** Pothole locations will be marked with pins to identify depth from existing grade to top of their facilities. The pothole information will be tabulated and shown on the plans for drainage profiles. Depths of utility lines located by potholing will be identified by a symbol in the construction documents and provided to the construction contractor.

- 9.4 Coordinate designs with the franchise utilities during the final design process through email and phone conversations for coordination of adjustments, relocations, and any planned upgrades by the utility owner.

Deliverables:

- ◆ Pothole plans and field notes
- ◆ Design exhibits as required for described meetings
- ◆ Meeting Minutes
- ◆ Coordination Logs with utility owners for email and phone correspondence
- ◆ Any utility pole relocation or luminaire needs will be coordinated by the Consultant but directed to SCL by the City.

Task 10 Grant Assistance

The following grant applications are anticipated to be submitted for during the design of the project:

- ◆ DOE Water Quality Grant
- ◆ King County Flood Control Grant
- ◆ TIB Urban Arterial Program
- ◆ TIB Sidewalk Program
- ◆ WSDOT Safe Routes to School Programs

The Consultant shall provide assistance for preparation of up to five grant applications as follows:

- 10.1 Review project and highlight elements that meet current grant funding criteria and work collaboratively with the City to determine which elements of the project can be included in the application.
- 10.2 Prepare supporting graphics for the project areas included in the application.

Deliverables:

- ◆ Grant Application materials, including but not limited to, graphics, cost estimates, and plan sheets.

Task 11 Final Plans, Specifications and Estimates

The Consultant shall prepare Final Plans, Specifications and Estimates for advertisement and award by the City. Plans shall be formatted to provide sufficient detail for convenient field layout of all proposed facilities. City standard details and WSDOT standard plans will be supplemented with project specific details as required. Final bid documents will be signed by a licensed professional engineer in the State of Washington.

- 11.1 The consultant shall prepare 60% Plans, Specifications, and Estimates incorporating comments from the 30% design meeting and utility/stakeholder coordination.
- 11.2 The Consultant shall prepare 90% Plans, Specifications, and Estimates, incorporating City comments from the 60% and design review and utility/stakeholder coordination.

- 11.3 The Consultant shall prepare 100% Plans, Specifications, and Estimates, incorporating City comments from the 90% and design review and utility/stakeholder coordination.
- 11.4 The consultant shall prepare a final design memo is based on the WSDOT Design Manual (M 22-01), the American Association of State Highway Transportation Officials (AASHTO) publication A Policy of Geometric Design of Highways and Streets and the City of Tukwila Public Works Development Standards. This memo will include, a summary of the utility and stakeholder coordination work and a summary of the public outreach process and feedback. Background documentation for an environmental review shall be provided.
- 11.5 The Consultant shall prepare Bid Documents, Specifications, and Estimates, incorporating City comments from the 100% and design review.

Bid documents will be uploaded to bxwa.com for advertisement by the City. It is anticipated that final plans will include the following sheets. Sheets may be combined or separated for clarity:

Cover sheet	(1 sheet)
Sheet Index, Survey Control & Alignment Data	(1 sheet)
Legend and Abbreviations	(1 sheet)
Roadway Typical Sections	(1 sheets)
Site Preparation Plans	(2 sheets)
Site Preparation Details	(1 sheet)
Roadway & Drainage Plan and Profile	(4 sheets)
Roadway & Drainage Details	(6 sheets)
Curb Ramp & Crossing Details	(6 sheets)
Wall Plan and Profile	(2 sheets)
Wall Details	(1 sheet)
Driveway Plan and Profile	(4 sheets)
Driveway Schedule and Details	(1 sheet)
Landscape Plans	(2 sheets)
Landscape Details	(1 sheet)
Irrigation Plans	(2 sheets)
Irrigation Details	(1 sheet)
Urban Design Plans	(2 sheets)
Urban Design Details	(2 sheets)
Wayfinding Plan & Details	(3 sheets)

TOTAL = 46 sheets

- 11.6 The Consultant shall provide internal QA/QC reviews of the following major work elements prior to submittal to the City.
 - Provide senior engineer review of 60% plans, specifications and estimates.
 - Provide senior engineer and construction management review of 90% plans, specifications and estimates.

- 11.7 The Consultant shall provide bid phase services to include responses to bidder inquiries, preparation of addenda, attendance at bid opening, preparation of bid tabulation, and recommendation to award or reject the apparent low bidder. The budget assumes a straight forward review process, including but not limited to, reference checks, licensing checks, L&I checks, and bidder checklist confirmation, with the low bidder receiving the contract award.

Deliverables

- ◆ 60% Plans (½ size), specifications & estimate, electronic files in PDF format
- ◆ 90% Plans (½ size), specifications & estimate, electronic files in PDF format
- ◆ 100% Plans (½ size), specifications & estimate, electronic files in PDF format
- ◆ Final Bid Documents, Plans provided in ½ size and full size, electronic files in PDF format
- ◆ Final Design Memorandum
- ◆ Addenda Preparation, Bid tabulation and analysis, and a recommendation to award letter.

Task 12 Right Of Way

- 12.1 KPG will prepare legal descriptions and exhibit maps for up to five (5) parcels requiring temporary construction easements. Conduct up to five (5) one-on-one meetings with adjacent residents to describe the project and obtain right of entry signatures.
- 12.2 Prepare right of entry and license to construct forms and exhibits for each property along the corridor, up to five (5).
- 12.3 KPG will prepare draft and final Right-of-way plans showing all required permanent and temporary construction easements.

KPG Deliverables:

- ◆ Legal descriptions and exhibits for up to 5 parcels requiring fee take and/or temporary construction easements.
 - ◆ Right of entry forms and exhibits (5 parcels)
- 12.4 RES Group Northwest will perform services under subcontract with the Consultant. Services will include the following:
- A. Project funding estimate (PFE) and Administrative offer summary (AOS)
Based on the approved right of way plan, the Consultant will prepare and PFE and AOS for up to two (2) impacted parcels. The PFE report will utilize consistent comparable sales and valuation techniques. AOS will be written for acquisitions under \$25,000 in the PFE. It is assumed that no formal appraisals will be required.
 - B. Title review, Clearing, and Closing
The Consultant will review title reports for acquisition parcels and provide Title

Review Memo identifying all potential encumbrances to project team members. The Consultant will assist in clearing the necessary encumbrances prior to closing if feasible.

C. Right of Way Documentation, Negotiations, and Closing

The Consultant will assist the City in developing all right of way documents / offer letters in accordance with the City's right of way procedures manual for acquisition of impacted properties using City approved forms. The Consultant will act in good faith at all times and never coerce owners in an attempt to settle the parcels. All negotiations will start with an in person presentation of all offers when feasible. We will identify property owner issues, concerns and differences early on and document that information in the individual parcel negotiation diaries. The Consultant will work with City staff throughout the negotiation process with the property owners.

Assumptions:

- ◆ KPG will order and review title reports.

RES Deliverables:

- ◆ Project Funding Estimate (hard copy and electronic PDF)
- ◆ Communication Log / Right of Way Tracking Spreadsheet describing all communication with property owners.

Additional Services

The City may require additional services of the Consultant in order to advance all or portions of the project corridor through final design and construction. This work may include items identified in the current task authorizations as well other items, which may include, but are not necessarily limited to the following:

- ◆ Providing additional permitting or environmental studies
- ◆ Providing additional design services
- ◆ Providing additional right of way services
- ◆ Providing construction management services

These services will be authorized under a future contract supplement if necessary. At the time these services are required, the Consultant shall provide a detailed scope of work and an estimate of costs. The Consultant shall not proceed with the work until the City has authorized the work and issued a notice to proceed.

EXHIBIT B

PRIME CONSULTANT COST COMPUTATIONS

Client: City of Tukwila

Project: S 152nd St Non Motorized Connections

City Project Number: 91710303

DATE: 03/14/2022

Task No.	Task Description	Labor Hour Estimate																				Total Hours and Labor Fee Estimate by Task		
		Principal	Engineering Manager	Senior Engineer	Senior Project Engineer	Project Engineer II	Design Engineer	Technician	Engineering Assistant	Survey Manager	Survey Crew II (W/Equip)	Project Surveyor	Survey Technician	Urban Design Manager	Project Landscape Architect	Landscape Technician	Senior Transportation Planner	Construction Manager	CAD Manager	CAD Technician	Business Manager	Hours	Fee	
		274	246	203	179	153	126	100	90	246	238	155	105	195	141	100	167	188	177	112	174			
Task 1 Project Management/Coordination/Administration (16 Months)																								
1.1	Project Management Administrative Services					32															20	68	\$	12,312.00
1.2	Internal Project Management and Coordination (2 per month)	4	16			40							4	8								72	\$	13,060.00
1.3	Project Coordination Meetings with City (2 per month)		16			40							4	4		4						68	\$	12,068.00
	Task Total	4	48	0	0	112	0	0	0	0	0	0	8	12	0	4	0	0	0	0	20	208	\$	37,440.00
Task 2 Survey and Basemapping																								
2.1	Horizontal and Vertical Control									2	16											18	\$	4,300.00
2.2	Field Survey and Note Reduction									2		16										18	\$	2,172.00
2.3	Basemapping									2	68	60										130	\$	22,976.00
2.4	Survey Utility Locates										8	2										10	\$	2,114.00
2.5	Measure Downs										8	2										10	\$	2,114.00
2.6	Pothole Survey										4	2										6	\$	1,162.00
2.7	QAQC									4		2										4	\$	984.00
	Task Total	0	0	0	0	0	0	0	0	10	104	82	0	0	0	0	0	0	0	0	0	196	\$	35,822.00
Task 3 Right of Way Calculations																								
3.1	Title Report Review									4		4										8	\$	1,604.00
3.2	Centerline and ROW Calculations									8		20										28	\$	5,068.00
3.3	Easement Field Markings										8	12										20	\$	3,764.00
	Task Total	0	0	0	0	0	0	0	0	12	8	36	0	0	0	0	0	0	0	0	0	56	\$	10,436.00
Task 4 Preliminary Design																								
4.1	Cross Section Evaluation	2	4			12	16															34	\$	5,384.00
4.2	New Crossing Evaluation			20		4	8	20									16					68	\$	10,352.00
4.3	Wayfinding Integration					2								8	16							26	\$	4,122.00
4.4	Illumination Evaluation & Memorandum			32				40														72	\$	10,496.00
4.5	Draft Design Memoandum		4	4		12																20	\$	3,632.00
4.6	30% Design Plans	2		16	4	8	32	20					2	12	8				8	24		136	\$	18,754.00
4.7	30% Cost Estimate			8		8	16	4						2	2							40	\$	5,936.00
4.8	Sound Transit Coordination	2				20																22	\$	3,608.00
4.9	QAQC		4	4	4	8																20	\$	3,736.00
	Task Total	6	12	84	8	74	72	84	0	0	0	0	0	12	30	8	16	0	8	24	0	438	\$	66,020.00
Task 5 Stormwater Management																								
5.1	Compile and Review Existing Stormwater Data				8		16															24	\$	3,448.00
5.2	Offsite Analysis				8		24															32	\$	4,456.00
5.3	Core and Special Requirements Analysis				8		20															28	\$	3,952.00
5.4	Alternative Identification				16	4	32															52	\$	7,508.00
5.5	Alternative Evaluation				24	4	40															68	\$	9,948.00
5.6	Draft Stormwater Design Report				16		40															56	\$	7,904.00
5.7	Final Stormwater Design Report				24		20															44	\$	6,816.00
5.8	Conveyance System Design				24	4	100															128	\$	17,508.00
	Task Total	0	0	0	128	12	292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	432	\$	61,540.00
Task 6 Geotechnical Services																								
6.1	Consultant Support of Geotechnical Subconsultant				4	16	8															28	\$	4,172.00
	Task Total	0	0	0	4	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	\$	4,172.00
Task 7 Environmental Services																								
7.1	SEPA Checklist		2			16	4															22	\$	3,444.00
7.2	DAHP EZ Form					4																4	\$	612.00
7.3	NPDES & SWPPP Preparation				4	8	4															16	\$	2,444.00
	Task Total	0	2	0	4	28	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	\$	6,500.00

Task 8 Community Outreach																								
8.1	City Outreach Plan Meeting (One Meeting)					2								4	2						8	\$	1,368.00	
8.2	Initial Mailers to community members (One Mailer)					2									8	8				20	38	\$	5,714.00	
8.3	Open House Meetings (One Meeting)		4			4	4							4	12	12					40	\$	5,772.00	
8.4	Follow-up Mailers (Two mailers)					2									4	4				20	30	\$	4,750.00	
8.5	On Site meetings (Up to four)					4															4	\$	612.00	
Task Total		0	4	0	0	14	4	0	0	0	0	0	0	8	26	24	0	0	0	0	40	120	\$	18,216.00
Task 9 Utility Coordination																								
9.1	Utility Coordination Letters					4	8														12	\$	1,620.00	
9.2	Utility Coordination Meetings (up to 4)			4		8	8														20	\$	3,044.00	
9.3	Pothole Plans					2	8														10	\$	1,314.00	
9.4	Final Coordination for Adjustments and Relocations		2	2		12	8														24	\$	3,742.00	
Task Total		0	2	6	0	26	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	\$	9,720.00
Task 10 Grant Assistance																								
10.1	Review Project Elements for Funding Criteria		2		2	2															10	\$	1,824.00	
10.2	Prepare Supporting Graphics					2									16						18	\$	2,562.00	
Task Total		0	2	0	2	4	0	0	0	0	0	0	0	0	16	0	4	0	0	0	0	28	\$	4,386.00
Task 11 Final Plans, Specifications, and Estimates																								
11.1	60% Plans, Specifications, & Estimate		2	8		24	40	8	40					8	16	16					162	\$	20,644.00	
11.2	90% Plans, Specifications, & Estimate		4	40		40	60	60	40					16	16	40					316	\$	41,760.00	
11.3	100% Plans, Specifications, & Estimate		4	8		24	20	8	8					2	16	12					102	\$	14,166.00	
11.4	Final Design Memorandum		2			16	16														34	\$	4,956.00	
11.5	Bid Documents		2	8		24	16							2	2						54	\$	8,476.00	
11.6	QAQC	4	12	16	8	8													32		80	\$	15,968.00	
11.7	Bid Period Services		2			12	4														18	\$	2,832.00	
Task Total		4	28	80	8	148	156	76	88	0	0	0	0	28	50	68	0	32	0	0	0	766	\$	108,802.00
Task 12 Right of Way Services																								
12.1	Prepare Legal Descriptions and Exhibit Maps					4	8						8								20	\$	2,860.00	
12.2	Right of Entry and License to Construct					8	16						8								32	\$	4,480.00	
12.3	Prepare Draft and Final Right of Way Plans					4	8						8								20	\$	2,860.00	
Task Total		0	0	0	0	16	32	0	0	0	0	24	0	0	0	0	0	0	0	0	0	72	\$	10,200.00
Total Labor Hours and Budget		14	98	170	154	450	604	160	88	22	112	60	82	56	134	100	24	32	8	24	60	2,452	\$	373,254.00
Subconsultants																								
																					Task 6.2 Geotechnical Services (Nv5)	\$	54,000.00	
																					Task 12.3 Right of Way Services (RES Group Northwest)	\$	10,000.00	
																					Total Subconsultant Expense	\$	64,000.00	
Reimbursable Direct Non-Salary Costs																								
																					Mileage at current IRS rate	\$	500.00	
																					Reproduction Allowance	\$	500.00	
																					Title Reports	\$	5,000.00	
																					Utility Locates	\$	5,000.00	
																					Potholing	\$	5,000.00	
																					Total Reimbursable Expense	\$	16,000.00	
																					Total Estimated Budget	\$	453,254.00	