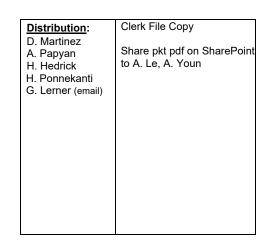


City of Tukwila *Transportation and Infrastructure Services Committee*

- Armen Papyan, Chair
- ✤ Dennis Martinez
- Hannah Hedrick



AGENDA

MONDAY, AUGUST 26, 2024 – 5:30 PM HYBRID MEETING – ONSITE AND VIRTUAL DUWAMISH CONFERENCE ROOM, 6300 BUILDING, 2ND FLOOR

MS Teams: CLICK HERE TO JOIN THE MEETING

Virtual Meeting - Members of the public may listen by dialing 1-253-292-9750 and entering conference ID 252508487#

		Item		Recommended Action	Page
1	PR	ESENTATIONS			
2	BU	SINESS AGENDA			
	a)	Cured-In-Place Pipe Sewer Mains Lining Construction Bid Award (A. Altallal)	a)	Forward to the 09/16/2024 Regular Consent Agenda	Pg. 1
	b)	Landslide Risk Assessment and Mgmt Project Phase I Consultant Services (S. Edquid)	b)	Forward to the 09/16/2024 Regular Consent Agenda	Pg. 23

Next Scheduled Meeting: 09/23/2024

b The City of Tukwila strives to accommodate individuals with disabilities. Please contact the Public Works Department at **206-433-0179** for assistance.





Public Works Department - Pete Mayer, Interim Director

INFORMATIONAL MEMORANDUM

TO:	Transportation and Infrastructure Services Committee
FROM:	Adib Altallal, Utilities Engineer
CC:	Mayor Thomas McLeod
DATE:	August 23, 2024
SUBJECT:	2023 Central Business District Sanitary Sewer Rehabilitation Phase 4B
	Project No. 80040201
	Construction Bid Award

ISSUE

Approve construction bid award with Iron Horse LLC for 2023 Central Business District Sanitary Sewer Rehabilitation Phase 4B Project.

BACKGROUND

The City of Tukwila has thousands of feet of aging sewer mains throughout, but especially in the Central Business District (CBD). The City has been conducting regular inspections and assessments of mains at the CBD for the last 15 years. A typical repair includes digging up the road to create a deep trench where the new sewer main will go. It is costly and typically inconvenient to the public. In certain scenarios, an aging sewer main loses some of its structural integrity, but has not started cracking, sagging, or crumbling. In such cases, we are able to utilize a minimally-disruptive technology where a lining is inserted through a manhole and into the existing sewer main to strengthen it and increase its useful life. The aforementioned trenchless technology minimizes disruptions to the public and greatly reduces the damage to the road. The technology is utilized when possible, but it is not applicable in all scenarios.

DISCUSSION

A call for bids was advertised for the 2023 Central Business District Sanitary Sewer Rehabilitation Phase 4B Project on June 26, and July 3, 2024. two bids were opened on July 18, 2024, and the confirmed lowest bidder was Iron Horse LLC with a bid of \$1,339,083.18. The engineer's estimate was \$1,307,633.22.

FINANCIAL IMPACT

Construction costs associated with the 2023 Central Business District Sanitary Sewer Rehabilitation Phase 4B are within the approved budget and will be funded by the sewer enterprise fund.

	Cost Estimate	Fund Source	2023-24 Construction Budget
Contract Contingency – 15% Total	\$1,339,083.18 200,862.48 \$1,539,945.66	Sewer Fund	\$1,500,000

RECOMMENDATION

Council is being asked to approve the construction award with Iron Horse LLC in the amount of \$1,339,083.18 for the 2023 Central Business District Sanitary Sewer Rehabilitation Phase 4B Project and consider this item on the Consent Agenda at the September 16, 2024 Regular Meeting.

Attachments: 2023 CIP, Page 65 Iron Horse LLC Construction Contract Bid Tabulation

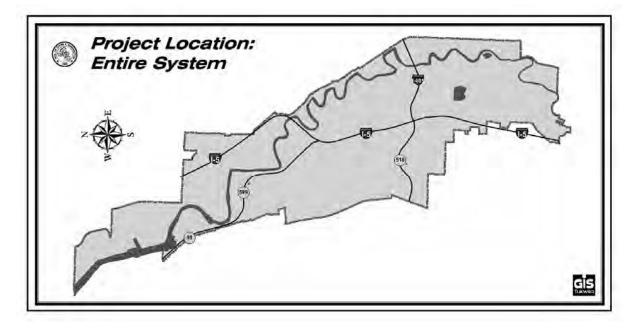
CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT:	Annual Sewer Repair Program	Project No. 80040201
DESCRIPTION:	Reduce sewer line infiltration and inflow (I & I) through groundwater intrusion result of damaged deteriorating systems or illicit connections. Includes small r	
JUSTIFICATION:	Decreases treatment, discharge, and pumping costs.	
STATUS:	Annual program is determined after pipeline TV inspection reports are comple	ted.
MAINT. IMPACT:	Less maintenance costs through rehabilitation of aging system.	

COMMENT: Ongoing project, only one year actuals shown in first column.

FINANCIAL	Through	Estimated								
(in \$000's)	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design	15	75	150	150	150	150	150	150	750	1,740
Land (R/W)										0
Const. Mgmt.	10	232	150	200	150	200	150	200	1,200	2,492
Construction	75	1,875	750	750	750	750	500	500	4,500	10,450
TOTAL EXPENSES	100	2,182	1,050	1,100	1,050	1,100	800	850	6,450	14,682
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	100	2,182	1,050	1,100	1,050	1,100	800	850	6,450	14,682
TOTAL SOURCES	100	2,182	1,050	1,100	1,050	1,100	800	850	6,450	14,682



Addendum No. 1 July 10, 2024 Page 1 of 4



CITY OF TUKWILA

ADDENDUM NO. 1

TO THE PLANS AND SPECIFICATIONS FOR 2023 CENTRAL BUSINESS DISTRICT SANITARY SEWER REHABILITATION – PHASE 4B

TO ALL PLANHOLDERS:

You are hereby notified of the following changes, deletions, additions and corrections to the plans, specifications, and other documents comprising the contract documents.

The following formatting has been used to note deletions (to the original text) and changes/additions to the Contract Documents.

- Deletions are formatted as stricken through (example).
- Changes/additions to project manual are formatted as underlined (example).
- Changes/additions to plans are denoted with a revision clouded and/or triangle
 (example)

I. CALL FOR BIDS

a. THE FIRST FOUR PARAGRAPHS CURRENTLY READ:

NOTICE IS HEREBY GIVEN that clearly marked, sealed bids shall be received by the City of Tukwila, Washington at the Office of the City Clerk, at Tukwila City Hall, 6200 Southcenter Boulevard, Tukwila, Washington 98188, up to the hour of 9:30 a.m. on Thursday, July 11. Bids will be opened and publicly read aloud at 10:00 a.m. on that same day, Thursday, July 11, 2024.

Bids can be mailed to Tukwila City Hall OR dropped off-person by 9:30 a.m. the day bids are due. Tukwila City Hall is open to the public Mondays through Thursdays, from 8:30 a.m. – 4:00 p.m. Bids may be dropped off at the front counter at the Office of the City Clerk, located inside Tukwila City Hall. It will be the bidder's responsibility to ensure mailed bids are received by the City before the submittal deadline. Proposals received later than the submittal deadline will not be accepted. The City will not be liable for delays in delivery of proposals due to handling by the U.S. Postal Service or any other type of delivery service. Faxed or emailed submittals will not be accepted.

The public will be able to hear the bids read aloud, via Microsoft Teams or telephone by dialing (253) 292-9750, Conference ID#: 465 116 363# at 10:00 a.m. on Thursday, July 11, 2024 for:

Addendum No. 1 July 10, 2024 Page 2 of 4



2023 CENTRAL BUSINESS DISTRICT (CBD) SANITARY SEWER REHABILITATION – PHASE 4B PROJECT NO. 9140203

The Notice to proceed for this project will be given to the Contractor on a date agreed upon with the District between July 22, 2024 and January 22, 2025. The Work is to be performed within one hundred (100) calendar days once the Contractor has mobilized their cured-in-place lining equipment to the site consists of furnishing all materials, equipment, tools, labor, and other work or items incidental thereto for:

IS REVISED TO READ:

NOTICE IS HEREBY GIVEN that clearly marked, sealed bids shall be received by the City of Tukwila, Washington at the Office of the City Clerk, at Tukwila City Hall, 6200 Southcenter Boulevard, Tukwila, Washington 98188, up to the hour of 9:30 a.m. on Thursday, <u>July 18</u>. Bids will be opened and publicly read aloud at 10:00 a.m. on that same day, Thursday, <u>July 18</u>, 2024.

Bids can be mailed to Tukwila City Hall OR dropped off-person by 9:30 a.m. the day bids are due. Tukwila City Hall is open to the public Mondays through Thursdays, from 8:30 a.m. – 4:00 p.m. Bids may be dropped off at the front counter at the Office of the City Clerk, located inside Tukwila City Hall. It will be the bidder's responsibility to ensure mailed bids are received by the City before the submittal deadline. Proposals received later than the submittal deadline will not be accepted. The City will not be liable for delays in delivery of proposals due to handling by the U.S. Postal Service or any other type of delivery service. Faxed or emailed submittals will not be accepted.

The public will be able to hear the bids read aloud, via Microsoft Teams or telephone by dialing (253) 292-9750, Conference ID#: 465 116 363# at 10:00 a.m. on Thursday, July 18, 2024 for:

2023 CENTRAL BUSINESS DISTRICT (CBD) SANITARY SEWER REHABILITATION – PHASE 4B PROJECT NO. 9140203

The Notice to proceed for this project will be given to the Contractor on a date agreed upon with the City between <u>July 29</u>, 2024 and <u>January 29</u>, 2025. The Work is to be performed within **one hundred (100)** calendar days once the Contractor has mobilized their cured-in-place lining equipment to the site consists of furnishing all materials, equipment, tools, labor, and other work or items incidental thereto for:

Addendum No. 1 July 10, 2024 Page 3 of 4



b. THE CONTACT AT THE BOTTOM OF THE CALL FOR BIDS CURRENTLY READS:

Project Manager: Adib.Altallal@tukwila.gov

IS REVISED TO READ:

Project Manager: Adib.Altallal@TukwilaWA.gov

II. SPECIAL PROVISIONS

a. THE FIRST PARAGRAPH OF SECTION 7-10.2(3) CURRENTLY READS:

For UV cured liners, the flexible tube shall be designed as per ASTM F2019, Appendix X1, for each pipe segment with the following additional requirements. For UV cured liners, the finished cured-in-place liner thicknesses shall meet ASTM F2019, and the finished cured-in-place liners shall have the minimum required thicknesses, including the non-structural layers (abrasion layer and outer foil) as shown on the plans.

IS REVISED TO READ:

For UV cured liners, the flexible tube shall be designed as per ASTM F2019, Appendix X1, for each pipe segment with the following additional requirements. For UV cured liners, the finished cured-in-place liner thicknesses shall meet ASTM F2019, and the finished cured-in-place liners shall have the minimum required thicknesses, including the non-structural layers (abrasion layer and outer foil) as shown on the plans. The minimum required thicknesses may be adjusted if the Contractor can justify adjusting the liner thickness based on the flexural modulus and flexural strength of the selected CIPP liner, once the CIPP liner has been approved for use on this project. The flexural modulus and flexural strength of the CIPP liner must be verified by independent third party (hired by the product Manufacturer) test data.

Addendum No. 1 July 10, 2024 Page 4 of 4



Addendum No. 1 is hereby made a part of these contract documents, and its terms and conditions are fully binding on the planholder and contractor. The contractor shall acknowledge receipt of this Addendum No. 1 by signing in the space provided below and attaching to their proposal.

RH2 ENGINEERING, INC.

By: Kenny Gomez

Date: July 10, 2024

Received and acknowledged:

Contractor IVON HOUSE LLC Name <u>Carlie Moore</u> Title Managing Member Date 07/110/2024

\CORP.RH2.COM\DFS\PROJECTS\DATA\TUK\21-0296\50 SDB\TUK CBD SEWER PHASE 4B - ADDENDUM 1.DOCX

The work on this Contract is to be performed upon lands whose ownership obligates the Contractor to pay State sales tax on portions of the project work and obligates the Contractor to collect State sales tax from the Contracting Agency on other portions of the project, as follows:

2. The provisions of State Department of Revenue Rule 170 apply to this project, and the Contractor shall collect retail sales tax from the Contracting Agency.

Note: sales tax for purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project, shall be included in the bid item prices.

8. Bidding Checklist

All bids shall be submitted on the exact forms provided in these Bid Documents, and listed below. Failure to submit any of these forms is grounds for rejection of the bid. The only exception is if the bidder follows the directions for Bids Submitted on Computer Printouts, following the bid proposal forms.

Sealed bids for this proposal shall be submitted as specified in the Call for Bids. Each bid must be submitted in a sealed envelope bearing on the outside the name and address of the Bidder, and must be clearly marked with the name and number of the project for which the bid is submitted:

BID FOR 2023 CENTRAL BUSINESS DISTRICT SANITARY SEWER REHABILITATION – PHASE 4B

All bids will remain subject to acceptance for ninety (90) days after the day of the bid opening.

- a. **Proposal** Bidders must bid on all items contained in the Proposal. The omission or deletion of any bid item will be considered nonresponsive and shall be cause for rejection of the bid.
- b. Bid Security/Bid Bond Bid Bond is to be executed by the Bidder and the surety company unless bid is accompanied by a cash deposit, certified or cashier's check, or postal money order. The amount of this security/bond shall be not less than five percent (5%) of the total bid, including sales tax, if applicable, and may be shown in dollars. Surety must be authorized to do business in the State of Washington, and must be on the current Authorized Insurance List in the State of Washington per Section 1-02.7 of the Standard Specifications.

The Bid Security form included in these Contract Provisions MUST be used; no substitute will be accepted. If an attorney-in-fact signs bond, a certified and effectively dated copy of their Power of Attorney must accompany the bond.

The deposit of the successful Bidder will be returned provided Bidder executes the Agreement, furnishes satisfactory Payment and Performance Bond covering the full amount of work, and provides evidence of insurance coverage, within ten (10) days after Notice of Award. Should Bidder fail or refuse to do so, the Bid Deposit or Bond shall be forfeited to the City of Tukwila as liquidated damages for such failure.

The Owner reserves the right to retain the security of the three (3) lowest bidders until the successful Bidder has executed the Agreement and furnished the bond.

- c. Non-Collusion Affidavit Must be filled in, signed, and notarized.
- d. Responsible Bidder Determination Form
- e. Proposed Equipment and Labor Schedule
- f. Proposed Subcontractors, if required

Regarding forms d, e, and f, the Owner reserves the right to check all statements and to judge the adequacy of the Bidder's qualifications, and to reject Bidder as not responsible based on this information.

9. Contract Checklist

The following forms are to be executed by the successful Bidder after the Contract is awarded. The Agreement and Payment and Performance Bond are included in these Bid Documents and should be carefully examined by the Bidder.

a. Agreement – Two (2) copies to be executed by the successful Bidder.

b. **Payment and Performance Bond** – Two (2) copies to be executed by the successful Bidder and its surety company. This bond covers successful completion of all work and payment of all laborers, subcontractors, suppliers, etc. The bond continues in effect at ten percent (10%) of the total price bid for one (1) year after final acceptance of the Work.

The bond form included in these Bid Documents MUST be used; no substitute will be accepted. If an Attorney-in-fact signs bond, a certified and effectively dated copy of their Power of Attorney must accompany the bond.

c. **Certificates of Insurance** – To be executed by an insurance company acceptable to the Owner, on ACORD Forms. Required coverages are listed in Section 1-07.18 of the Special Provisions (APWA GSP). The Owner and Consulting Engineer retained by Owner shall be named as "Additional Insureds" on the insurance policies.

The above Bid and Contract Documents must be executed by the Contractor's President or Vice-President if a corporation, or by a partner if a partnership. In the event another person has been duly authorized to execute contracts, a copy of the resolution or other minutes establishing this authority must be attached to the Proposal and Agreement documents.

PROPOSAL (unit price)

Contractor's Name Iron Horse LLC

Contractor's State License No. 1KONHHL833 BF

City of Tukwila Project No. 9140203

To the Mayor and City Council City of Tukwila, Washington

The undersigned (Bidder) hereby certifies that he personally examined the location and construction details of Work outlined in the Contract Documents for the City of Tukwila (Owner) project titled **2023 CENTRAL BUSINESS DISTRICT SANITARY SEWER REHABILITATION – PHASE 4B**, which project includes but is not limited to:

Installation of approximately 7,960 linear feet (LF) of ultraviolet-cured (UV) cured-in-place pipe (CIPP) to rehabilitate existing sewer main, and other work necessary to complete the Work as specified and shown in the Contract Documents.

The Bidder has read and thoroughly understands these Documents which govern all Work embraced in this improvement and the methods by which payment will be made for said Work, and thoroughly understands the nature of said Work; and hereby proposes to undertake and complete all Work embraced in this improvement in accordance with these Contract Documents and at the following schedule of rates and prices.

The Bidder understands that the quantities mentioned herein are approximate only and are subject to increase or decrease, and hereby proposes to perform all quantities of work as either increased or decreased in accordance with the Contract, Documents.

As evidence of good faith, (*check one*) \square bid bond or \square cash, \square cashier's check, \square certified check, or \square postal money order made payable to the City of Tukwila equal to five percent (5%) of the Total Bid Price is attached hereto. Bidder understands that, should this offer be accepted by Owner within ninety (90) calendar days after the day of Bid Opening and the Bidder fails or refuses to enter into an Agreement and furnish the required Payment and Performance Bond and liability insurance within ten (10) calendar days after Notice of Award, the Contract shall be null and void and the Bid Deposit or Bond accompanying this Proposal shall be forfeited and become the property of Owner as liquidated damages, all as provided for in the Bid Documents.

Bidder shall attain Physical Completion of all Work in all respects within **one hundred (100)** calendar days from the date stated in the written Notice to Proceed. If the work is not completed within this time period, Bidder shall pay liquidated damages to Owner as specified in Section 1-08.9 of the Standard Specifications for every calendar day work is not Physically Complete after the expiration of the Contract time stated above. In addition, Bidder shall compensate Owner for actual engineering inspection and supervision costs and any other legal fees incurred by Owner as a result of such delay.

2023 CENTRAL BUSINESS DISTRICT SANITARY SEWER REHABILITATION – PHASE 4B (UV-cured CIPP Lining)

Project No. 9140203

Note: Unit prices for all items, all extensions, and the total amount bid must be shown. Where conflict occurs between the unit price and the total amount specified for any item, the unit price shall prevail, and totals shall be corrected to conform thereto.

ltem			ľ –	1	
ltem No.	Item Description	Quantity	Unit	Unit Price	Amount
1.	Mobilization	1	LS	80,000	80,000
2.	Type B Progress Schedule	1	LS	2,000	2,000
3.	Traffic Control – Off-Duty Uniformed Police Officer	1	LS	36,000	36,000
4.	Traffic Control – Temporary Traffic Control and Flagger Labor	1	LS	90,000	90,000
5.	Pre-Cleaning Video Inspection	1	LS	35,000	35,000
6.	Clean and Prep Sewer Prior to Construction	1	LS	42,000	42,000
7.	Video Inspection Prior to Construction	1	LS	32,000	32,000
8.	Provide, Install, and Manage Wastewater Bypasses	1	LS	65,000	65,000
9.	8-inch Main Line CIPP	4,861	LF	69	335,409
10.	12-inch Main Line CIPP	2,635	LF	102	268,770
11.	20-inch Main Line CIPP	421	LF	260	109,4-60
12.	24-inch Main Line CIPP	45	LF	1000	45,000
13.	Trenchless Lateral Connection Reinstatement and Packer Injection Grouting	27	EA	1,500	40,500
14.	Trenchless Outside Manhole Drop Connection Reinstatement	2	EA	4,500	9,000
15.	Force Account – Minor Changes	1	LS	\$25,000.00	\$25,000.00

Subtotal

10.2% Sales Tax

Total Bid (Subtotal w/WSST)

\$1,215,139.00

144.18 \$

1,3391,083.18 \$

2023 Central Business District Sanitary Sewer Rehabilitation - Phase 4B

Bids Submitted on Computer Printouts Bidders, at their option, in lieu of hand writing in the unit prices in figures in ink on the Bid forms above, may submit an original computer printout sheet with their bid, as long as the following requirements are met: 1. Each sheet of the computer printout must contain the exact same information as shown on the hard-copy bid form - Project Name, Schedule Name, column headings - in the order shown, totals, etc. 2. The computer printout of the Bid Proposal must have the exact certification language shown below, signed by the appropriate officer of the firm. 3. If a computer printout is used, the Bidder must still execute that portion of the unit price Bid Form which acknowledges the Bid Guaranty, Time of Completion, and all addenda that may have been issued, etc. If any of these things are missing or out of order, the bid may be rejected by the Owner. The unit and lump sum prices shown on acceptable printouts will be the unit prices used to tabulate the Bid and used in the Contract if awarded by the City. In the event of conflict between the two, unit Bid prices will prevail over the extended (Total) prices. If the Bid submitted by the bidder contains both the form on these Bid Proposal sheets, and also a computer printout, completed according to the instructions, the unit bid prices shown on the computer printout will be used to determine the bid. Put this certification on the last sheet of the Bid computer printout, and sign: (YOUR FIRM'S NAME) certifies that the unit prices shown on this complete computer print-out for all of the bid items contained in this Proposal are the unit and lump sum prices intended and that its Bid will be tabulated using these unit prices and no other information from this print-out. (YOUR FIRM'S NAME) acknowledges and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total Bid amount will be determined by multiplying the unit Bid prices shown in this print-out by the respective estimated quantities shown on the Bid form then totaling all of the extended amounts. Signed Title: Date:

By signing below, Bidder acknowledges receipt and understanding of the following Addenda to the Bid Documents:

Addendum		Addendum	
No.	Date of Receipt	No.	Date of Receipt
1	07/10/2024	3	
2		4	

NOTE: Failure to acknowledge receipt of Addenda may be considered as an irregularity in the Bid Proposal and Owner reserves the right to determine whether the bid will be disqualified.

By signing below, Bidder certifies that Bidder has reviewed the insurance provisions of the Bid Documents and will provide the required coverage.

It is understood that Owner may accept or reject all bids.

Liberty Mutuc (Name)	of 1717 N 18th Ave, Eugene, DR. (Address) 97402
Bidder: Iron P	TOKSE LLC (Addiess) 97402
Signature of Authorized Official:	Calio Alore
Printed Name and Title:	Carlie Moore, Managing Member
Address:	PO Box 1472 Fairview, OR 97024
Circle One: Individual Partnersh	State of Incorporation: OR
Joint Venture / Corporation	
Phone No.: (503) 1074-09	BO Date: 07/11/2024

The Surety Company which will furnish the required Payment and Performance Bond is

This address and phone number is the one to which all communications regarding this proposal should be sent.

NOTES:

1. If the Bidder is a co-partnership, give firm name under which business is transacted; proposal must be executed by a partner. If the Bidder is a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign).

2. A bid must be received on all items. If either a unit price or an extension is left blank (but not both) for a bid item, the Owner will multiply or divide the available entry by the quantity, as applicable, and enter it on the bid form. If there is no unit price <u>or</u> extension for one or more bid item(s), the proposal will be rejected.

Bid Deposit: The undersigned Principal hereby deposits a Bid Deposit with the City of Tukwila in the form of a cash deposit, certified or cashier's check, or postal money order in the amount of dollars (\$).

-- OR --

 Bid Bond: The undersigned, Iron Horse, LLC (Principal), and

 Liberty Mutual Insurance Company
 (Surety), are held and firmly bound unto the City

 of Tukwila (Owner) in the penal sum of Five percent of total amount

 bid and no/100***
 dollars (\$ 5%), which for the payment of which

 Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally. The liability of Surety under this Bid Bond shall be limited to the penal sum of this Bid Bond.

Conditions: The Bid Deposit or Bid Bond shall be an amount not less than five percent (5%) of the total bid, including sales tax and is submitted by Principal to Owner in connection with a Proposal for **2023 CENTRAL BUSINESS DISTRICT SANITARY SEWER REHABILITATION – PHASE 4B**, Project No. **9140203**, according to the terms of the Proposal and Bid Documents.

Now therefore,

a. If the Proposal is rejected by Owner, or

b. If the Proposal is accepted and Principal shall duly make and enter into an Agreement with Owner in accordance with the terms of the Proposal and shall furnish a bond for the faithful performance of said Project and for the payment of all persons performing labor or furnishing materials in connection therewith, with Surety or Sureties approved by Owner,

then this Bid Security shall be released; otherwise it shall remain in full force and effect and Principal shall forfeit the Bid Deposit or Surety shall immediately pay and forfeit to Owner the amount of the Bid Bond, as penalty and liquidated damages.

The obligations of Surety and its Bid Bond shall be in no way impaired or affected by any extension of time within which Owner may accept bids; and Surety does hereby waive notice of any such extension.

Signed and dated this <u>18th</u> day of <u>July</u>	, 20 <u>_24</u>
Iron Horse, LLC	Liberty Mutual Insurance Company
Ange More	By Huren Mon May
Signature of Authorized Official	Attorney in Fact (<i>Attach Power of Attorney</i>) Kristen McGillvrey
Managing Member	
Name and address of local office of	HUB International Northwest, LLC
agent and/or Surety Company:	PO Box 10167
	Eugene, OR 97440

Surety companies executing bonds must appear on the current Authorized Insurance List in the State of Washington per Section 1-02.7 of the Standard Specifications.

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

> Liberty Mutual Insurance Company The Ohio Casualty Insurance Company West American Insurance Company

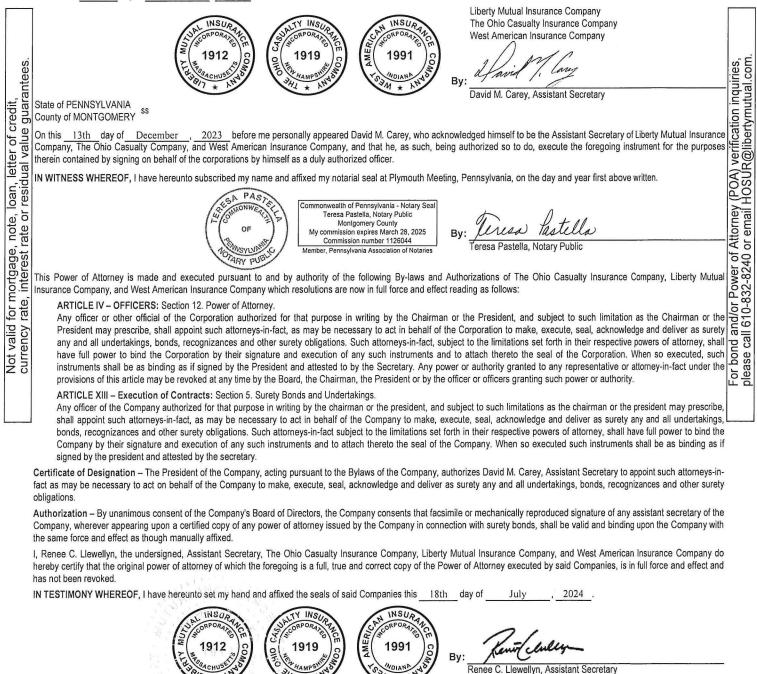
Certificate No: 8211095-969225

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, <u>Ashlee</u> Baumgartner; Tina A. Costa; James R Cox; Erik Finrow; David M. Holland; Summer Hugh; Kristen McGillvrey; Dean R. Pollock

all of the city of <u>Eugene</u> state of <u>OR</u> each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 13th day of December , 2023 .



LMS-12873 LMIC OCIC WAIC Multi Co 02/21

14

NON-COLLUSION DECLARATION

SS COUNTY OF KING Multhomah The undersigned, being first duly sworn, on oath states that the person, firm, association, partnership, joint venture, or corporation named in the Bid Proposal has (have) not, either directly or indirectly. entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the City of Tukwila project named 2023 CENTRAL BUSINESS DISTRICT SANITARY SEWER REHABILITATION – PHASE 4B, Project No. 9140203. NO e of Firm Signature of Authorized Official 1744 Signed and sworn to before me on this dav of Signature of Notary Public in and for the State of Washington, residing at My appointment expires: II-27-2 OFFICIAL STAMP SEAL DANIELLE WILLIAMS

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

NOTARY PUBLIC - OREGON COMMISSION NO. 1042620 MY COMMISSION EXPIRES NOVEMBER 27, 2027

nregion

STATE OF WASHINGTON

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

RESPONSIBLE BIDDER DETERMINATION FORM

Attach additional sheets as necessary to fully provide the information required.

Name of Bidder: Iron Horse	.uc	
Address of Bidder: <u>5501 NE 22</u> <u>Fairvieu</u> _{City}	23vd Ave, P OR State	SIDA D 97024 Zip Code
Contractor's License No. IRONIHHU83	33BE WA State I	JBI No. 604-069-635
License Bond Registration No. 02303	Dept. of L8 379127 Worker's C	omp. Acct. No. <u>5AIP CXF, 81075</u> 87
Bidder is a(n): Individual Partners	ship 🛛 Joint Venture	\Box Incorporated in the state of
List business names used by Bidder du	ring the past 10 years	if different than above:
Bidder has been in business continuous		
Bank Reference Summit Bank Bank	K Josh Ad Account Of	Year <u>PUNS</u> 9771-974-0-1913 ficer Officer's Phone No.
No. of regular full-time employees:	38	·
Number of projects in the past 10 years		ad of schedule on schedule ind schedule
Bidder has had experience in work com As a prime contractor for $-\frac{7+7}{2}$	parable to that require years.	ed for this Project:
As a subcontractor for $-7+$	years.	
List the supervisory personnel to be en (Project Manager, Principal Foreman, S		
Name	<u>Title</u>	How Long with Bidder
Brandon Fulton Ge	neral Manage	V
	perintendent	
<u>- Kiley Madden</u> Sw	perintendent	5+

Name the Surveyor to be used on this Project, who will directly supervise all surveying activities. Attach a resume outlining the experience and qualifications of the Surveyor. Is the Surveyor licensed in the State of Washington (a PLS)? Yes No

no survey on this project Surveyor's Name: ____

List all those projects, of similar nature and size, completed by Bidder within the past 10 years. **Include a reference for each**. Any attached preprinted project listing must include all this information. Bidder must have at least 10 years experience working on projects of similar nature and size.

Project Name	Year <u>Completed</u>	Contract <u>Amount</u>	Owner/Reference Name and Phone
	SEE #	ATTACHED	

List all projects undertaken in the last 10 years which have resulted in partial or final settlement of the Contract by arbitration or litigation in the courts:

Name of Client and Project	Contract <u>Amount</u>	Arbitrated or Litigated	Amount of Settlement <u>of Claims</u>
Has Bidder, or any representative ☑ No □ Yes If yes, give details:	or partner thereof,		
Has Bidder ever had any Payme ☑ No □ Yes If yes, please state:		ids called as a	
Project Name	Contracting Party		Bond Amount

17

Project Name	Location	Owner	Owner Contact	Year Completed	6'' UV CIPP - LF	8'' UV CIPP - LF	9" UV CIPP - LF	10'' UV CIPP - LF	12'' U CIPP -
Cure-In-Place Pipe (CIPP) 2020) Spokane, WA	City of Spokane	Dan Buller dbuller@spokanecity.org 625-6391	3/31/2023		4427		1976	3557
US-12 Orofino to Greer	Orofino, ID	Idaho Transportation Department	Jesse Webb (208)799-4235	8/2/2023				10/0	
Zone A Sewer Rehab FY21	Nampa, ID	City of Nampa	Tom Points pointst@cityofnampa.us (208)468-4520	6/9/2023		2421		362	
2020 Sewer Relining Program	Lynnwood, WA	Alderwood Water & Wastewater District	Don Ranger dranger@awwd.com (425)741-7964	7/15/2022		14730		3872	1820
Hickory St NE Sewer Main Rehab	Salem, OR	City of Salem	Kyler King kking@cityofsalem.net (503)315-2568	8/28/2020					
South 6th Street	Lynden, WA	City of Lynden	Steven Schramm sschramm@jub.com (360)354-3687	2/17/2023					
UPRR 24-inch Interceptor Sewer Rehab Project Ph 2	Kennewick, WA	City of Kennewick	John Cowling john.cowling@ci.kennewick.wa.us (509)585-4301	5/15/2020					
UPRR 24-inch Interceptor Sewer Rehab Project Ph 3	Kennewick, WA	City of Kennewick	Jeremy Lustig jeremy.lustig@ci.kennewick.wa.us (509)585-4413	10/13/2020					
2020-14, Goose Hollow Sewer Rehabilitation	Portland, OR	City of Portland	MacKenzie Isom mackenziei@jwfowler.com (503)623-5373	10/31/2022		3654	250	809	
SE Gresham Stormwater CIPP	Gresham, OR	Gresham Department of Environmental Services	Chris Chambers chris.chambers@greshamoregon.gov	9/5/2018	34				3239
US101: MP332.3 SB Slide Repair	Brookings, OR	ODOT	cfitzhugh@twcontractors.com (541)469-5341	10/17/2019					
PAURSS E11148 to 3 Yamhill- Morrison	Portland, OR	City of Portland	Lacy Dring laceyd@jwfowler.com	7/10/2019				187	

Has Bidder ever been found guilty of violating any State or Federal employment laws? ☑ No □ Yes If yes, give details:

Has Bidder ever filed for protection under any provision of the federal bankruptcy laws or state insolvency laws? ☑ No □ Yes If yes, give details: _____

Has any adverse legal judgment been rendered against Bidder in the past 5 years? ☑ No □ Yes If yes, give details: _____

Has Bidder or any of its employees filed any claims with Washington State Workman's Compensation or other insurance company for accidents resulting in fatal injury or dismemberment in the past 5 years? If No I Yes If yes, please state:

Date	Type of Injury	Agency Receiving Claim
, .		

The undersigned warrants under penalty of Perjury that the foregoing information is true and accurate to the best of his/her knowledge. The undersigned authorizes the City of Tukwila to verify all information contained berein

an information contained		ctr,	
Signature of Bidder	Calle	Mon	
Title: Managing A	Nember	Date: _	07/11/2/2025

PROPOSED EQUIPMENT AND LABOR SCHEDULE (Use additional sheets if required)

Equipment to be used:

DESCRIPTION/TYPE	YEAR	CONDITION	OWN/RENT
vac trucks	2018-2024	Good/new	neuo
	2017-2024	crood/new	own
Foremain trucks	2018-2022	Groad	0000
cutter trucks	2012-2022	crood	own
trailers	2015-2024	Good/new	own

Labor to be used: 1 vac truck operator, 1 Foreman; 1 cutter operator, 10000000

Signature of Authorized Official

PROPOSED SUBCONTRACTORS

Name of Bidder Iron, Horse LLC

In accordance with RCW 39.30.060 as amended, every bid that totals \$1 million or more shall include below the names of the subcontractors with whom the Bidder, if awarded the contract, will subcontract for performance of the work of: HVAC (heating, ventilation, and air conditioning); plumbing as described in chapter 18.106 RCW; and electrical as described in chapter 19.28 RCW, or to name itself for the work. The Bidder shall not list more than one subcontractor for each category of work identified, unless subcontractors vary with bid alternates, in which case the Bidder must indicate which subcontractor will be used for which alternate. Failure of the Bidder to submit as part of the bid the names of such subcontractors or to name itself to perform such work or the naming of two or more subcontractors to perform the same work shall render the prime contract bidder's bid nonresponsive and, therefore, void.

The successful Bidder must have the written permission of the Owner to make any change to this list.

Percent of total bid to be performed by Bidder _____%

Name	Schedule/Bid Item Numbers Subcontractor will perform	% of Total Bid
PYONOLC	13	2.2
seattle Blue	3	2.8
Expert Traffic Control	4	6.5
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2023 Central Business District Sanitary Sewer Rehabilitation - Phase 4B

							Apparent	Apparent Low Bidder					
			Engiı	Engineer's Estimate			Iron H	Iron Horse, LLC			SAK Co	SAK Construction, LLC	
Item No.	Item Description	Quantity	Unit	Unit Price Total Amount		Quantity	Unit	Unit Price	Total Amount	Quantity	Unit	Unit Price	Total Amount
Ţ	Mobilization	~	LS L	\$ 107,900 \$ 10	107,900	-	LS	\$ 80,000	0 \$ 80,000	-	LS	\$ 75,000	\$ 75,000
2	Type B Progress Schedule	ſ	۲ ک	\$ 5,800 \$	5,800	-	LS	\$ 2,000	0 \$ 2,000	1	S	\$ 2,500	\$ 2,500
с	Traffic Control - Off-Duty Uniformed Police Officer	ſ	۲ ک	\$ 24,900 \$ 2	24,900	-	LS	\$ 36,000	0 \$ 36,000	1	LS	\$ 27,158	\$ 27,158
4	Traffic Control - Temporary Traffic Control and Flagger Labor	1	R	\$ 72,000 \$ 7	72,000	1	rs	000'06 \$	000'06 \$ 0	1 F	ە م	\$ 145,000	\$ 145,000
5	Pre-Cleaning Video Inspection	1	R	\$ 18,400 \$ 1	18,400	1	LS	\$ 35,000	0 \$ 35,000	1 F	LS	\$ 35,000	\$ 35,000
9	Clean and Prep Sewer Prior to Construction	L I	R	\$ 27,500 \$ 2	27,500	1	LS	\$ 42,000	0 \$ 42,000	1 F	S	\$ 45,000	\$ 45,000
7	Video Inspection Prior to Construction	L I	R	\$ 18,400 \$ 1	18,400	1	LS	\$ 32,000	0 \$ 32,000	1 F	RS	\$ 1,500	\$ 1,500
œ	Provide, Install, and Manage Wastewater Bypasses	ſ	LS L	\$ 74,800 \$ 7	74,800	-	LS	\$ 65,000	0 \$ 65,000	-	S	\$ 125,500	\$ 125,500
റ	8-inch Main Line CIPP	4,861	EA	\$ 90 \$ 43	437,490	4,861	EA	\$	69 \$ 335,409	4,861 E	EA	\$ 80	\$ 388,880
10	12-inch Main Line CIPP	2,635	۲ ک	\$ 100 \$ 26	263,500	2,635	LS	\$ 10	102 \$ 268,770	2,635 L	۲S	\$ 130	\$ 342,550
11	20-inch Main Line CIPP	421	Щ	\$ 130 \$ 5	54,730	421	ГI	\$ 260	0 \$ 109,460	421 L	щ	\$ 180	\$ 75,780
12	24-inch Main Line CIPP	95	ш	\$ 520 \$ 2	23,400	45	ГF	\$ 1,000	0 \$ 45,000	42 F	щ	069 \$	\$ 31,050
13	Trenchless Lateral Connection Reinstatement and Packer Injection Grouting	22	EA	\$ 1,150 \$ 3	31,050	27	EA	\$ 1,500	0 \$ 40,500	27 E	EA	\$ 1,200	\$ 32,400
14	Trenchless Outside Manhole Drop Connection Reinstatement	2	۲F	\$ 870 \$	1,740	2	VF	\$ 4,500	0 \$ 0,000	7 Z	VF	\$ 500	\$ 1,000
15	Force Account - Minor Changes	1	EA	\$ 25,000 \$ 2	25,000	1	EA	\$ 25,000	0 \$ 25,000	3 1	EA	\$ 25,000	\$ 25,000
	·		•,	Subtotal \$ 1,186,610.00	310.00			Subtotal	\$ 1,215,139.00			Subtotal	\$ 1,353,318.00
		Washington S	tate Sal	Washington State Sales Tax 10.2% \$ 121,0	121,034.22	Vashington	Washington State Sales Tax 10.2%	Fax 10.2%	\$ 123,944.18	Washington State Sales Tax 10.2%	tate Sales	Tax 10.2%	\$ 138,038.44
				Total \$ 1,307,644.22	344.22			Total	al \$ 1,339,083.18			Total	\$ 1,491,356.44

22

City of Tukwila 2023 Central Business District Sanitary Sewer Rehabilitation - Phase 4B





INFORMATIONAL MEMORANDUM

- TO: Transportation and Infrastructure Committee
- FROM: Pete Mayer, Interim Public Works Director
- BY: Sherry Edquid, Levee and Floodplain Project Manager
- CC: Mayor Thomas McLeod

DATE: August 23, 2024

SUBJECT: Landslide Risk Assessment and Management Project Phase I Project No. Consultant Services

<u>ISSUE</u>

Request to execute a Consultant Agreement for services with BGC Engineering to conduct a landslide study. This work is being done in conjunction with DCD.

BACKGROUND

In 2023, the city received a FEMA's - Cooperating Technical Partners (CTP) grant to fund a landslide study. BGC Engineering will be identifying and understanding landslide hazards with the overall goal of reducing property damage and life loss.

ANALYSIS

BGC Engineering will provide a report that investigates existing and historical landslide information including forestry health and location of critical infrastructure within these areas. The information will then be summarized into a report which will includes GIS maps and recommendations. Additional studies and field work could occur in phase II should grant funding become available.

This information can be used by the City in ways to avoid, minimize and/or mitigate future landslide hazards.

FISCAL IMPACT

BGC Engineering has provided a cost not to exceed \$134,500.00 to perform the attached scope of work. This contract will be entirely funded by a FEMA CTP grant the city received which has no cost share.

RECOMMENDATION

Council is being asked to approve the Consultant Agreement with BGC Engineering in the amount of \$134,500.00 and consider this item on the Consent Agenda at the September 16, 2024 Regular Meeting.

Attachment: Draft Scope

ble/	A-1. Summary of	Table A-1. Summary of Proposed Scope of Work and Estimated Cost	nd Estimated Cost		
Task		Title	Description *refer to proposal dated lune 28, 2024 for detailed descriptions of each RGC task and the	Deliverables	Fstimated Cost
Yes	Firm		attached Revised Approach dated August 12, 2024 for DRG		
			Compile relevant and available public data related to geology and geologic hazard maps, imagery, land use, and reasonably accessible/available consultant reports.		
H	BGC	Data Compilation	Compile reasonably accessible/available built environment information (sources: City of Tukwila and other asset and landowners).		\$10,500
			Interviews with Tukwila staff to communicate relevant historical knowledge of the area, including known landslide events and histories, ground disturbance activities, mitigations, areas with drainage or groundwater seepage issues, and other relevant site context information.	kelevant and available data layers will be compiled in Cambio.	
	(LCD Analysis & Data	LCD analysis for the City of Tukwila to include two LCD comparisons with full-city coverage using datasets from 2005, 2011, 2016, and 2021	LCD analysis results delivered in Cambio for review and interrogation by BGC for this analysis and by Tukwila staff.	\$15,000
2	BGC	Delivery	Data delivery in Cambio (a web-enabled earth science data platform).	Custom configuration of Cambio workspace.	
			Cambio subscription for 1-year with access for up to 10 users.	1-year Cambio subscription.	\$5,500
			Review and analysis of data compiled in Task 1 and 2.		
			Landslide inventory validation and additions, as needed.	en de la constant de	
e	BGC	Landslide Assessment	Landslide susceptibility map.	Lanushue inventory and susceptionity maps in Campio, of other format as requested by Tukwila.	\$24,000
			Assessment of above with consideration for critical facilities and infrastructure, with the results of the urban forest health assessment (Task 4) integrated as appropriate.		
			4.1 Forest cover type mapping to include GIS-based Urban Tree Canopy Assessment (UTC) and delineation of Management Units (MU's) polygons with unique designations.	Delineation of Management Units (MU's) polygons.	
4	DRG	Urban Forest Health Assessment	4.2 Field assessment, data collection, and ground proofing to include:- ground validation by ISA-certified arborists.- consideration for common urban forestry metrics.	Results presented in the final report. Relevant data layers and results of this task will be delivered in Cambio (as decided upon by the project team). Cost includes 10% markup.	\$44,000
5	BGC & DRG	Reporting & Final Delivery	Final report and data delivery. Will include collaboration between BGC & DRG.	Draft and final report summarizing methods, findings, and recommendations for prioritization for areas of further study and potential mitigation. Data delivery in Cambio, with access for Tukwila staff, to include results of Task 1, 2, 3, and 4.	1, \$23,000
9	BGC & DRG	Milestone Meetings & Project Management	Project management, maintaining communication between relevant parties, communicating project progress to Tukwila, maintaining schedule and budget, and planning and facilitating milestone meetings throughout the project (4 estimated meetings, varying from 1 to 2 hours in length). - Kick-off mtg. - Check-in mtg after Task 1 and 4.1. - Review mtg to discuss preliminary findings and draft report. - Final delivery mtg.	Project management and meetings.	\$12,500
				Total Estimated Cost: \$134 500	~~

24

City of Tukwila Comprehensive Landslide Assessment Plan - a citywide assessment of landslide hazard and urban forestry health



08/12/2024

REVISED APPROACH - Tukwila 2024

DRG will complete a remotely sensed forest health assessment and inventory of forest cover types as well as groundproofing inspections of priority areas as directed by the City of Tukwila. Priority areas identified with increased risk of slope failure and poor forest health will be field inspected. The data DRG collects can be used for long-range forest health management, prioritizing funding and forest enhancement efforts, and possibly informing slope stability assessments.

Task 4.1: Forest Cover Type Mapping:

After the kickoff meeting, DRG's GIS team will conduct an Urban Tree Canopy Assessment (UTC) to map forest cover types. This cost-effective and accurate analysis of tree canopy and forest composition (deciduous vs conifer forest) will be performed in the project area using remotely sensed and semi-automated feature extraction methods. DRG will use these results, GIS aerial imagery, LiDAR, and boundary data to delineate park/open space areas into Management Units (MU's) polygons. DRG will utilize elevation and contour data to process and record the aspect and slope for each MU.

We will then assign each MU polygon one of the following land cover designations:

- Forested: ≥ 25% of the area is covered by forest canopy
- Natural: Natural vegetation that has < 25% forest canopy cover
- Open Water: Open water without woody vegetation
- Hardscape: Impervious surface
- Landscape: Landscaped or has been mechanically maintained within the last year

Once these attributes have been established, DRG will run three years of vegetation health indices using multispectral imagery to determine foliar conditions. These indices will be clipped to the canopy layer to understand tree health conditions and how they have changed over time. Through this distinction by implementing statistical procedures, DRG will identify locations of canopy health that change due to seasonal variances or if they are actual health declines. Areas of moderate or major decline will be further inspected using field assessments by arborists. Additional information provided in Task 4.2.

Ecosystem benefit data for air pollution, carbon storage and sequestration, and avoided runoff will also be calculated to determine the value of forests and any potential threat of potential loss to future canopy.

COST FOR TASK 4.1: \$29,884



Task 4.2: Field Assessment/Data Collection/Ground Proofing

After the forest cover mapping is completed, DRG will deploy ISA-certified arborists to supplement the information about the MUs in priority areas identified through remotely sensed data. Ownership of these management units may be public property parcels, private property parcels, or a combination of both. Ownership will have specific implications for slope stability risk management. Where MU's have private property, the team may need to consider visual evaluations or seek permission to trespass. DRG will consult with the City of Tukwila to finalize field data solutions.

The team will work with City of Tukwila staff to evaluate the vegetation conditions in priority areas with steep slopes, active landslide activity, poor forest health, and/or low canopy. The results of DRG's fieldwork effort will provide the City with a vegetation management strategy for risk mitigation. Field staff will collect information about the management units using a customized approach adapted from <u>FLAT</u>. This could include the identification of hazardous trees, quantifying invasive vegetation, and quantifying tree sapling recruiting. The customizations are intended to provide the City with actionable risk mitigation tactics.

COST FOR TASK 4.2

Preferred budget: \$10,000

Applicable rates:

\$150 per hour (ISA Certified Arborist Consulting)

\$125 per hour (IT support and Customizations)