

ATTACHMENT B - SERVICE PROVIDER AGREEMENT

CITY OF TUMWATER SERVICE PROVIDER AGREEMENT FOR

2ND AVENUE PEDESTRIAN AND BICYCLE IMPROVEMENTS

THIS AGREEMENT is made and entered into in duplicate this _____ day of _____, 20___, by and between the CITY OF TUMWATER, a Washington municipal corporation, hereinafter referred to as the “CITY”, and SHEA, CARR & JEWELL, INC. (dba SCJ Alliance), a Washington corporation, hereinafter referred to as the “SERVICE PROVIDER”.

WITNESSETH:

WHEREAS, the CITY desires to have certain services and/or tasks performed as set forth below requiring specialized skills and other supportive capabilities; and

WHEREAS, sufficient CITY resources are not available to provide such services; and

WHEREAS, the SERVICE PROVIDER represents that the SERVICE PROVIDER is qualified and possesses sufficient skills and the necessary capabilities, including technical expertise, where required, to perform the services and/or tasks set forth in this Agreement.

NOW, THEREFORE, in consideration of the terms, conditions, covenants, and performance contained herein, the parties hereto agree as follows:

1. SCOPE OF SERVICES.

The SERVICE PROVIDER shall perform engineering services, including the furnishing of all materials and equipment necessary for full performance thereof, as are identified and designated as SERVICE PROVIDER responsibilities throughout this Agreement and as detailed in Exhibit “A” Scope of Services attached hereto and incorporated herein (the “Project”).

2. TERM.

The Project shall begin no earlier than _____ (date), and shall be completed no later than _____ (date). This Agreement may be extended for additional periods of time upon mutual written agreement of the parties.

3. TERMINATION.

Prior to the expiration of the Term, this Agreement may be terminated immediately, with or without cause, by the CITY.

4. COMPENSATION AND METHOD OF PAYMENT.

A. Payments for services provided hereunder shall be made following the performance of such services, unless otherwise permitted by law and approved in writing by the CITY.

B. No payment shall be made for any service rendered by the SERVICE PROVIDER except for services identified and set forth in this Agreement.

C. The CITY shall pay the SERVICE PROVIDER for work performed under this Agreement a total sum not to exceed **Six Hundred Thirty Seven Thousand Five Hundred Sixteen and 43/100 dollars (\$637,516.43)** based on Exhibit "A" Scope of Services and Exhibit C "Compensation Spreadsheet."

D. Upon execution of this Agreement, the SERVICE PROVIDER must submit IRS Form W-9 Request for Taxpayer Identification Number (TIN) and Certification unless a current Form W-9 is already on file with the CITY.

E. The SERVICE PROVIDER shall submit an invoice to the CITY for services rendered during the contract period. The CITY shall initiate authorization for payment after receipt of said invoice and shall make payment to the SERVICE PROVIDER within approximately thirty (30) days thereafter.

F. When subcontracting services or purchasing goods from third parties, as identified and approved in this Agreement, the SERVICE PROVIDER must submit written documentation establishing that the goods and/or services have been provided and the third party has been paid in order to receive payment for such goods and/or services.

G. Invoices may be submitted immediately following performance of services, but in no event shall an invoice be submitted more than twenty (20) business days following the end of the contract term or the end of the calendar year, whichever is earlier.

5. INDEPENDENT CONTRACTOR RELATIONSHIP.

A. The parties intend that an independent contractor relationship will be created by this Agreement. Subject to paragraphs herein, the implementation of services pursuant to this Agreement will lie solely within the

discretion of the SERVICE PROVIDER. No agent, employee, servant or representative of the SERVICE PROVIDER shall be deemed to be an employee, agent, servant or representative of the CITY for any purpose, and the employees of the SERVICE PROVIDER are not entitled to any of the benefits the CITY provides for its employees. The SERVICE PROVIDER will be solely and entirely responsible for its acts and for the acts of its agents, employees, servants, subcontractors or representatives during the performance of this Agreement.

B. In the performance of the services herein contemplated the SERVICE PROVIDER is an independent contractor with the authority to control and direct the performance of the details of the work; however, the results of the work contemplated herein must meet the approval of the CITY and shall be subject to the CITY'S general rights of inspection and review to secure the satisfactory completion thereof.

C. As an independent contractor, the SERVICE PROVIDER shall be responsible for the reporting and payment of all applicable local, state, and federal taxes.

D. It is recognized that the SERVICE PROVIDER may or will be performing services during the Term for other parties; provided, however, that such performance of other services shall not conflict with or interfere with the SERVICE PROVIDER'S ability to perform the services. The SERVICE PROVIDER agrees to resolve any such conflicts of interest in favor of the CITY.

6. SERVICE PROVIDER EMPLOYEES/AGENTS.

The CITY may at its sole discretion require the SERVICE PROVIDER to remove an employee, agent or servant from employment on this Project. The SERVICE PROVIDER may however employ that individual on other non-CITY related projects.

7. HOLD HARMLESS INDEMNIFICATION.

A. SERVICE PROVIDER Indemnification. The SERVICE PROVIDER agrees to indemnify, defend and hold the CITY, its elected officials, officers, employees, agents, and volunteers harmless from any and all claims, demands, losses, actions and liabilities (including costs and all attorney fees) to or by any and all persons or entities, including, without limitation, their respective agents, licensees, or representatives, arising from, resulting from, or connected with this Agreement to the extent caused by the negligent acts, errors or omissions of the SERVICE PROVIDER, its partners, shareholders, agents, employees, or by the SERVICE PROVIDER'S breach of this Agreement. The SERVICE PROVIDER

expressly waives any immunity that may be granted to it under the Washington State Industrial Insurance Act, Title 51 RCW. The SERVICE PROVIDER'S indemnification shall not be limited in any way by any limitation on the amount of damages, compensation or benefits payable to or by any third party under workers' compensation acts, disability benefit acts or any other benefit acts or programs. This waiver has been mutually negotiated by the parties.

B. CITY Indemnification. The CITY agrees to indemnify, defend and hold the SERVICE PROVIDER, its officers, directors, shareholders, partners, employees, and agents harmless from any and all claims, demands, losses, actions and liabilities (including costs and attorney fees) to or by any and all persons or entities, including without limitation, their respective agents, licensees, or representatives, arising from, resulting from or connected with this Agreement to the extent solely caused by the negligent acts, errors, or omissions of the CITY, its employees or agents. No liability shall attach to the CITY by reason of entering into this Agreement except as expressly provided herein.

C. Survival. The provisions of this Section shall survive the expiration or termination of this Agreement with respect to any event occurring prior to such expiration or termination.

8. INSURANCE.

A. The SERVICE PROVIDER 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 SERVICE PROVIDER, their agents, representatives, employees or subcontractors.

B. The SERVICE PROVIDER shall provide a Certificate of Insurance evidencing:

1. Automobile Liability insurance with limits no less than \$1,000,000 combined single limit per accident for bodily injury and property damage.

2. Commercial General Liability insurance written on an occurrence basis with limits no less than \$2,000,000 combined single limit per occurrence and \$2,000,000 aggregate for personal injury, bodily injury and property damage. Coverage shall include but not be limited to: blanket contractual; products/completed operations; broad form property damage; explosion, collapse and underground (XCU) if applicable; and employer's liability.

3. Professional Liability insurance written on a claims made

basis with limits of no less than \$2,000,000 per claim, and \$2,000,000 policy aggregate limit.

C. The CITY shall be named as an additional insured on the insurance policy, as respect to work performed by or on behalf of the SERVICE PROVIDER and a copy of the endorsement naming the CITY as additional insured shall be attached to the Certificate of Insurance. The CITY reserves the right to request certified copies of any required policies.

D. The SERVICE PROVIDER'S insurance shall contain a clause stating that coverage shall apply separately to each insured against whom claim is made or suit is brought, except with respects to the limits of the insurer's liability.

E. Any payment of deductible or self-insured retention shall be the sole responsibility of the SERVICE PROVIDER.

F. The SERVICE PROVIDER'S insurance shall be primary insurance as respect to the CITY and the CITY shall be given written notice of any cancellation, suspension or material change in coverage within two (2) business days of SERVICE PROVIDER'S receipt of such notice.

9. TREATMENT OF ASSETS.

Title to all property furnished by the CITY shall remain in the name of the CITY and the CITY shall become the owner of the work product and other documents, if any, prepared by the SERVICE PROVIDER pursuant to this Agreement.

10. COMPLIANCE WITH LAWS.

A. The SERVICE PROVIDER, in the performance of this Agreement, shall comply with all applicable federal, state or local laws and ordinances, including being licensed to do business in the City of Tumwater by obtaining a Tumwater business license and any additional regulations for licensing, certification and operation of facilities, programs and accreditation, and licensing of individuals, and any other standards or criteria as described in this Agreement to assure quality of services.

B. The SERVICE PROVIDER specifically agrees to pay any applicable CITY business and occupation (B&O) taxes which may be due on account of this Agreement.

11. NONDISCRIMINATION.

A. The CITY is an equal opportunity employer.

B. Nondiscrimination in Employment. In the performance of this Agreement, the SERVICE PROVIDER will not discriminate against any employee or applicant for employment on the grounds of race, creed, religion, color, national origin, citizenship or immigration status, families with children status, sex, marital status, honorably discharged veteran or military status, the presence of any sensory, mental, or physical disability or the use of a trained dog guide or service animal by a person with a disability, sexual orientation, genetic information, age or other basis prohibited by state or federal law; provided that the prohibition against discrimination in employment because of disability shall not apply if the particular disability prevents the proper performance of the particular worker involved. Such action shall include, but not be limited to: employment, upgrading, demotion or transfers, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and programs for training including apprenticeships.

C. Nondiscrimination in Services. The SERVICE PROVIDER will not discriminate against any recipient of any services or benefits provided for in this Agreement on the grounds of race, creed, religion, color, national origin, citizenship or immigration status, families with children status, sex, marital status, honorably discharged veteran or military status, the presence of any sensory, mental or physical disability or the use of a trained dog guide or service animal by a person with a disability, sexual orientation, genetic information, age or other basis prohibited by state or federal law. "Race" is inclusive of traits historically associated or perceived to be associated with race including, but not limited to, hair texture and protective hairstyles. For purposes of this subsection, "protective hairstyles" includes, but is not limited to, such hairstyles as afros, braids, locks, and twists. It is not an unfair practice when a distinction or differential treatment on the basis of citizenship or immigration status is authorized by federal or state law, regulation, rule or government contract.

D. If any assignment and/or subcontract have been authorized by the CITY, said assignment or subcontract shall include appropriate safeguards against discrimination. The SERVICE PROVIDER shall take such action as may be required to ensure full compliance with the provisions in the immediately preceding paragraphs herein.

E. Nondiscrimination in Benefits. **The provisions of this subsection are only applicable to contracts with an estimated value of \$50,000 or more.** Pursuant to Tumwater Municipal Code (TMC) Chapter 3.46, the SERVICE PROVIDER shall provide employee benefits or an equivalent sum to the domestic partners of their employees involved in the SERVICE PROVIDER'S operations applicable to this Agreement if such benefits are provided to employees' spouses as more particularly set forth in Chapter 3.46 of the TMC, a copy of which

is attached hereto as Exhibit "B".

F. Nondiscrimination in Contractors / Subcontractors. The City of Tumwater, in accordance with RCW 49.60.530 requires all covered contractors or subcontractors to actively pursue a diverse and inclusive workforce. Contractors and subcontractors are prohibited from all forms of discrimination listed in RCW 49.60.530.

12. ASSIGNMENT/SUBCONTRACTING.

A. The SERVICE PROVIDER shall not assign its performance under this Agreement or any portion of this Agreement without the written consent of the CITY, and it is further agreed that said consent must be sought in writing by the SERVICE PROVIDER not less than thirty (30) days prior to the date of any proposed assignment. The CITY reserves the right to reject without cause any such assignment.

B. Any work or services assigned hereunder shall be subject to each provision of this Agreement and proper bidding procedures where applicable as set forth in local, state and/or federal statutes, ordinances and guidelines.

C. Any technical service subcontract not listed in this Agreement, must have express advance approval by the CITY.

13. NON-APPROPRIATION OF FUNDS.

If sufficient funds are not appropriated or allocated for payment under this Agreement for any future fiscal period, the CITY will not be obligated to make payments for services or amounts incurred after the end of the current fiscal period, and this Agreement will terminate upon the completion of all remaining services for which funds are allocated. No penalty or expense shall accrue to the CITY in the event this provision applies.

14. CHANGES.

Either party may request changes to the Scope of Services and performance to be provided hereunder, however, no change or addition to this Agreement shall be valid or binding upon either party unless such change or addition be in writing and signed by both parties. Such amendments shall be attached to and made part of this Agreement.

15. MAINTENANCE AND INSPECTION OF RECORDS.

A. The SERVICE PROVIDER at such times and in such forms as the CITY may require, shall furnish to the CITY such statements, records, reports,

data, and information as the CITY may request pertaining to matters covered by this Agreement.

B. The SERVICE PROVIDER shall maintain books, records and documents, which sufficiently and properly reflect all direct and indirect costs related to the performance of this Agreement and shall maintain such accounting procedures and practices as may be necessary to assure proper accounting of all funds paid pursuant to this Agreement. These records shall be subject at all reasonable times to inspection, review, or audit, by the CITY, its authorized representative, the State Auditor, or other governmental officials authorized by law to monitor this Agreement.

C. To ensure the CITY'S compliance with the Public Records Act, RCW 42.56, the SERVICE PROVIDER shall retain all books, records, documents and other material relevant to this agreement, for six (6) years after its expiration. The SERVICE PROVIDER agrees that the CITY or its designee shall have full access and right to examine any of said materials at all reasonable times during said period.

16. POLITICAL ACTIVITY PROHIBITED.

None of the funds, materials, property or services provided directly or indirectly under the Agreement shall be used for any partisan political activity, or to further the election or defeat of any candidate for public office.

17. PROHIBITED INTEREST.

No member, officer, or employee of the CITY shall have any interest, direct or indirect, in this Agreement or the proceeds thereof.

18. NOTICE.

Notice provided for in this Agreement shall be sent by certified mail to the addresses designated for the parties on the signature page of this Agreement.

19. ATTORNEYS FEES AND COSTS.

If any legal proceeding is brought for the enforcement of this Agreement, or because of a dispute, breach, default, or misrepresentation in connection with any of the provisions of this Agreement, the prevailing party shall be entitled to recover from the other party, in addition to any other relief to which such party may be entitled, reasonable attorney's fees and other costs incurred in that action or proceeding.

20. JURISDICTION AND VENUE.

A. This Agreement has been and shall be construed as having been made and delivered within the State of Washington. It is agreed by each party hereto that this Agreement shall be governed by laws of the State of Washington, both as to interpretation and performance.

B. Any action of law, suit in equity, or judicial proceeding for the enforcement of this Agreement or any provisions thereof shall be instituted and maintained in the superior court of Thurston County, Washington.

21. SEVERABILITY.

A. If, for any reason, any part, term or provision of this Agreement is held by a court of the United States to be illegal, void or unenforceable, the validity of the remaining provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular provision held to be invalid.

B. If it should appear that any provision hereof is in conflict with any statutory provision of the State of Washington, said provision which may conflict therewith shall be deemed inoperative and null and void insofar as it may be in conflict therewith, and shall be deemed modified to conform to such statutory provisions.

22. ENTIRE AGREEMENT.

The parties agree that this Agreement is the complete expression of the terms hereto and any oral representations or understandings not incorporated herein are excluded. Further, any modification of this Agreement shall be in writing and signed by both parties. Failure to comply with any of the provisions stated herein shall constitute material breach of contract and cause for termination. Both parties recognize time is of the essence in the performance of the provisions of this Agreement. It is also agreed by the parties that the forgiveness of the nonperformance of any provision of this Agreement does not constitute a waiver of the provisions of this Agreement. This Agreement may be executed in any number of counterparts, which counterparts shall collectively constitute the entire Agreement.

Signatures on Following Page

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed the day and year first hereinabove written.

CITY:

CITY OF TUMWATER
555 Israel Road SW
Tumwater, WA 98501

SERVICE PROVIDER:

SHEA, CARR & JEWELL, INC. (dba SCJ Alliance)
8730 Tallon Lane NE, Suite 200
Lacey, WA 98516
Tax ID #: 602-612-261
Phone No. (360) 352-1465

DEBBIE SULLIVAN
Mayor

Signature (Notarized – see below)
Printed Name:
Title:

ATTEST:

Melody Valiant, City Clerk

APPROVED AS TO FORM:

Karen Kirkpatrick, City Attorney

Notary Required for Service Provider Only

STATE OF WASHINGTON

COUNTY OF THURSTON

I certify that I know or have satisfactory evidence that _____(name) is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged it as the _____(title) of _____(company) to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated:_____

Notary Public in and for the State of Washington,
My appointment expires:_____



Exhibit A
Scope of Services
2nd Avenue Pedestrian and Bicycle Improvements
Tumwater, WA

Prepared For: Bill Lindauer, PE, Engineering Services Manager
Joe Norman, PE, Transportation Engineer

Prepared By: Patrick Holm, PE, Project Manger
Sam Rowswell, PE, Project Engineer

Date Prepared: June 10, 2024

Introduction:

This project is Located on 2nd Avenue between B Street and Linwood Avenue. There are two major components to this project:

- 1) Design and construction of pedestrian and bicycle facilities between B Street and Linwood Avenue
- 2) Design and construction of a non-circular (peanut shaped) roundabout at the intersection of 2nd Avenue and Linwood Avenue to replace an existing 4-way stop intersection.

All Work is based off the grant applications submitted by the City of Tumwater. This includes:

- Design of ADA compliant curb ramps and sidewalks;
- Design of additional sidewalks on the east side of 2nd Avenue between Linwood Avenue and 3rd Street;
- Rechannelization of 2nd Avenue to accommodate bike lanes on both sides of the road;
- Design of a non-circular roundabout (peanut shaped) at the intersection of 2nd Avenue and Linwood Avenue;
- Design of illumination system to support the new intersection design;
- Design of stormwater infiltration systems to meet Department of Ecology and City of Tumwater stormwater requirements.

Additional work in support of the design efforts includes:

- Survey and ROW verification
- Traffic Validation
- Cultural Resources
- Geotechnical evaluation of subgrade for road design
- Geotechnical evaluation of subgrade for infiltration
- Utility coordination
- Environmental permitting

The scope of work consists of the following phases:

1. Project Management
2. Topographic Survey and Right-of-Way Mapping (MTN2COAST)
3. Geotechnical Investigation and Reporting (Sage Geotechnical)
4. Traffic Validation
5. Non-Circular Roundabout Configuration Validation
6. 30% Design
7. Environmental Permitting
8. Utility Coordination
9. 60% Design
10. 90% Design
11. Final Design
12. Cultural Resources (Tierra)
13. Schedule 74 (Requires written notice to proceed from City)
14. 2nd Avenue Stormwater Design (Requires written notice to proceed from City)
15. Geotechnical Investigation and Reporting 2nd Ave – F St SW to B St SW (Sage) (Requires written notice to proceed from City)
16. Geotechnical Investigation and Reporting – 3rd St SW (Sage) (Requires written notice to proceed from City)

All design work is funded by the City of Tumwater. A portion of the construction funding is provided by the state through the state's Safe Routes to School program.

Assumptions

- No Right-of-Way acquisition will be part of this project.
- Temporary Construction Easements (TCE) will be needed.
- The City of Tumwater will compile the front-end contract documents.
- The City of Tumwater will supply SCJ with City specific special provisions.
- SCJ will provide Bid Tabs in excel using the City of Tumwater's standard excel format.
- SCJ will compile special provisions.
- Private utilities may be undergrounded. Work for this Phase will be scoped, but utilization of funds may not be required.
- Funding is State Funding and will not require NEPA or Local Programs Environmental Coordination.

Phase 1 Project Management

Task 1 Management

- 1) Management: Manage the project by directing and supervising staff and reviewing work for the duration of the project. This management is for the overall work rather than specific tasks.

- 2) **Schedule and Budget:** Develop a critical-path project schedule to match the scope of work. Identify task durations, predecessors, Agency reviews, deliverables, and milestones. Review and update the schedule on a monthly basis. Monitor earned value and actual costs on a bi-monthly basis (twice a month).
- 3) **Bi-Weekly Progress Reports:** Review and verify weekly project charges. Prepare and submit a bi-weekly progress report. Bi-weekly progress reports will show: (1) work performed last week, (2) work planned this week, (3) schedule and budget status (including a 3-line earned value chart), (4) a summary of scope changes/added value, and (5) items needed from the IT and/or others.
- 4) **Progress Billings:** Prepare a monthly progress bill with weekly progress reports attached. Bills will show staff hours for each phase (i.e., Phase 1: Project Management).
- 5) **Filing:** Develop a project filing system and maintain project files in one centralized location. Periodically purge draft and redundant documents.
- 6) **Subconsultant Administration:** Execute and administer sub agreements. Review and approve monthly invoices.
- 7) **Project Meetings:**
 - ◆ Project Kickoff meeting
 - ◆ 60-minute virtual meetings once every two weeks with City Project Manager
 - ◆ At project completion and prior to bid
- 8) **Submit all project documents to the City in digital format arranged in a folder system matching the project phases.**

Task 2 *Quality Assurance/Quality Control*

- 1) **Quality Control:** Provide senior level review of Task deliverables before submittal to the City.
- 2) **Quality Assurance:** Audit quality check activities and documentation on a periodic basis.

Phase 1 Understanding

- Project management will be provided over a 10-month time frame and the estimated number of meetings and project coordination is reflected in the budget.
- Progress billings will be submitted monthly to the City.
- Peer review quality control is budgeted with the associated design work.

Phase 1 SCJ Deliverables

- Bi-weekly (every two weeks) Progress Report submitted via email in PDF format.
- Progress billings submitted monthly submitted via email in PDF format.
- MS Project schedule and updates submitted via email in PDF format. Submitted to the City once every two months.

Phase 2 Topographic Survey/Right-of-Way Establishment (MTN2COAST)

Task 1 Right-of-Way Establishment (ROW)

- 1) MTN2COAST, LLC (M2C) will do the necessary field and office work to show the Right-Of-Way (ROW) lines along the project roadway based on field ties and record information available. M2C will not be completing a property survey of adjacent lots or showing easements on those properties, sidelines of adjacent lots will be shown as approximate, and no corners will be set by M2C. A record of survey drawing will be prepared showing monument location and ROW establishment.

Task 2 Topographic Survey

- 1) M2C will complete a topographic survey of the site as shown on the attached Survey Limits Exhibit. The Topographic Survey will include the following:
 - ◆ One-foot contours with tops, toes, and breaks.
 - ◆ Other visible improvements such as curbs, mailboxes, retaining walls, light poles, etc.
 - ◆ Hard surfaces such as concrete, pavement and gravel.
 - ◆ Trees 6" and larger dbh with diameter and species measured.
 - ◆ M2C will hire and coordinate a utility locator service to paint the buried conductible utilities. M2C will then field map the utilities paint marks and surface appurtenances. We will also open and measure utility structures and measure pipe sizes, types, and invert elevations.

Phase 2 Understanding

- 20 Title Reports will be needed for right-of-way establishment (cost included in subconsultant budget).
- The Survey will be completed on the Washington State Plane Coordinate System and NGVD 29 vertical datum.

Phase 2 Deliverables

- Topographic Survey Map in pdf form.
- ACAD electronic drawing file of the project by email.

Phase 2 City Deliverables

- Provide City as-builts

Phase 3 Geotechnical Investigation and Reporting (Sage Geotechnical)

Task 1 Site Reconnaissance and Utility Locates

- 1) Gather and review available geotechnical and geologic information for the site.
- 2) Visit the site to observe existing conditions and drill rig access for field explorations.
- 3) Notify the Utility Notification Center for public utility clearance. Subcontract a private utility-locating service to locate utilities outside of public easements.
- 4) Submit a traffic control plan for review by the CITY.
- 5) Prepare subcontractor agreements for drilling, coring, private utility-locating, and traffic control services. Coordinate fieldwork schedule with subcontractors.
- 6) Provide project management services, including monthly budget tracking and progress reports, project closeout, and miscellaneous consultation.

Task 2 Geotechnical Field Explorations and Laboratory Testing

- 1) Advance three geotechnical auger borings, each to a depth of 25 ft below ground surface. The CITY's consultant will provide desirable locations to Sage. Depending on site conditions, Sage will submit a site plan for the CITY's review showing the proposed exploration locations prior to breaking ground. Drilling make require 2 days. Flagging will be required.
- 2) Complete four pavement cores at locations selected by the CITY. Flagging will be required.
- 3) Conduct a large-scale Pilot Investigation Test (PIT) on the parcel located at the southwest corner of 2nd Avenue Southwest and Linwood Avenue Southwest. Sage will obtain the water meter from the CITY and conduct the required testing of the backflow preventer. The test area will be restored by backfilling with excavated soils and casting grass seed.
- 4) A Sage geotechnical engineer will supervise the explorations, obtain soil samples, and prepare field logs of the conditions encountered. Soil samples will be transported to Sage's laboratory for further classification and testing.
- 5) Provide a limited pavement condition survey for the portion of 2nd Avenue located within project limits. Sage will rate different areas of the roadway as fair, good, poor, etc., which will assist CONSULTANT in evaluating the extent of pavement rehabilitation needed.
- 6) For areas of pavement subgrade concern are identified during Sage's limited pavement condition survey, Sage will obtain four pavement cores to a depth to assess subgrade conditions. Sage will coordinate utility locating and traffic control services to include these areas.
- 7) Geotechnical laboratory testing will be completed to help determine pertinent soil engineering properties. Laboratory testing will include up to 12 index tests (combined sieve and hydrometer grain-size distribution analyses) and up to eight moisture content determinations.

Task 3 Geotechnical Engineering Analysis and Reporting

- 1) Analyze data obtained from the geologic review, field explorations, and laboratory testing program. Prepare a technical memorandum that includes:
 - ◆ A site map showing the approximate locations of the explorations.
 - ◆ Descriptive logs of the explorations and a summary of the subsurface soil and groundwater conditions observed.
 - ◆ An evaluation of feasible shoring and dewatering methods.
 - ◆ Recommendations for reuse of onsite soils as utility trench backfill materials, including backfill compaction criteria.
 - ◆ Recommendations for retaining walls.
 - ◆ A summary of the pavement condition assessment.
- 2) Prepare a geotechnical data report for inclusion in bid documents. The data report will include a summary of the field investigation, a description of subsurface conditions observed in the explorations, and the results of the geotechnical laboratory testing.

Phase 3 Understanding

- Sage will subcontract the driller, coring, and private utility-locating services.
- Site soil and groundwater are free from contamination.
- Traffic control plans, traffic control devices, and traffic control services will be subcontracted by Sage. Sage assumes a shoulder or lane closure and one to three days of flagging will be required.
- Right-of-way permits will be provided by the CITY at no cost to Sage.
- Drilling can be completed on weekdays during daylight hours.
- No private property right-of-entry permits are required.
- Soil samples obtained from the explorations will be held for 60 days after submittal of the final memorandum. After that date, the soil samples will be disposed of, unless arrangements are made to retain them.
- Sage will complete a limited pavement condition survey, not a detailed survey in accordance with WSDOT methodology.
- The pavement condition survey will occur prior to drilling.

Phase 3 Sage Deliverables

- Technical memoranda (draft and final will be delivered electronically in pdf format.

Phase 3 City Deliverables

- Rights of Entry

Phase 4 Traffic Validation

Task 1 Traffic Analysis

- 1) **Data Review:** Collect traffic counts and review TRPC model, Thurston County Comprehensive Plan, and the City of Tumwater Comprehensive Plan at the intersection of 2nd Avenue and Linwood Avenue. Traffic counts will be obtained by a vendor during the AM and PM peak hour.
- 2) **Volume Forecasts:** Review the TRPC travel demand model and prepare traffic volume forecasts at the intersection:
 - ◆ Collect and review current TRPC model existing and future volume plots.
 - ◆ Prepare post-processed AM and PM peak hour traffic volume assignments for opening year horizon and long-range (20-year) horizon.
 - ◆ Develop graphics showing the existing and future traffic volumes.
- 3) **Operational Analysis:** Prepare intersection operational analysis for current year, opening year, and 20-year horizon with existing control and geometry as well as with improvements. Prepare 20-year horizon intersection sensitivity analysis to determine recommended channelization for existing and proposed intersection control alternatives.
- 4) **Technical Memorandum:** Prepare a technical memorandum describing the project, the traffic volume forecast, and operational analysis results.

Phase 4 Understanding

- Analysis will include the AM and PM peak hours.
- Analysis will include the existing traffic control and channelization and the proposed roundabout control.
- SCJ will contract a vendor for traffic counts and the cost is included in the proposed project budget.
 - Vendor for traffic counts will use cameras or a person in the field to count traffic.

Phase 4 SCJ Deliverables

- Technical Memorandum describing the operational analysis results.

Phase 5 Non-Circular Roundabout Configuration Validation

Task 1 Site Visit with Survey

- 1) **Site Visit with Survey:** Walk site with Survey in hand and review for completeness.

Task 2 Roundabout Geometric Design

- 1) **Roundabout Concept Design:** Prepare a roundabout design. Based on the roundabout design, prepare geometric design drawings of the following:
 - ◆ Table summarizing the roundabout design details, including inscribed diameters, central island diameters, truck apron width, fastest path (radius and speed) for each approach, stopping and intersection sight distances for each approach, and super elevation of the circulating roadway.

- ◆ Drawings showing the travel paths and speeds for each movement.
 - ◆ Drawings showing stopping and intersection sight distance on each leg.
 - ◆ AutoTurn paths showing design vehicle movements.
- 2) Stakeholder Coordination:
- ◆ Coordinate with Tumwater School District, Tumwater Fire Department, and Intercity Transit on design of non-circular roundabout.
 - ◆ Attend up to one (1) meeting with all stakeholder.
- 3) Preliminary Lighting: Prepare preliminary lighting plans showing proposed light locations for the roundabout. Prepare lighting calculations using AGI32 software.
- 4) Preliminary Signing: Prepare preliminary permanent signing plan for the roundabout.
- 5) Technical Memorandum: Prepare a technical memorandum for inclusion in the Basis for Design Report prepared in Phase 6 Task 6. The memorandum will describe roundabout geometric design including standards used.
- 6) Roundabout Geometric Revisions: SCJ will revise the roundabout geometric package (subtask 1 through 5 of Phase 5, Task 1) up to two (2) times based on outcomes from Phase 5, Task 2. Includes two (2) meetings with the City.

Phase 5 Understanding

- Roundabout Geometric Package is for validating and refining the non-circular roundabout design.
- Central Island will be fully mountable.

Phase 5 SCJ Deliverables

- Marked up survey in PDF format submitted via email to MNT2COAST.
- Finalized survey in PDF format submitted via email to City of Tumwater.
- Roundabout Geometric Package in PDF format submitted via email to City of Tumwater.

Phase 6 30% Design

Task 1 Roadway

- 1) Horizontal Layout:
- ◆ Lay out sidewalk, striping, and proposed locations for curb ramps on S 2nd Ave from Linwood to B St.
- 2) Vertical Layout:
- ◆ Develop Civil 3D corridor model.
 - ◆ Central Island Profile
 - ◆ Establish catch lines for cut/fill limits.
 - ◆ Develop curb return profiles, intersection grading for intersections, and driveway grades.

- ◆ Design ADA ramps (type selection and preliminary grades) at intersections.
- 3) Technical Memorandum: Update the technical memorandum prepared in Phase 5 Task 1 – Roundabout Geometric Design documenting the basis for the vertical layout for inclusion in the Basis of Design Report.

Task 2 *Stormwater*

- 1) Basin Analysis: Establish existing and proposed basin boundaries and create PDF exhibits for:
 - ◆ The intersection of 2nd Avenue and Linwood Avenue
 - ◆ 2nd Avenue from where the 2nd Avenue and Linwood Avenue basin ends to B Street.
- 2) Modeling:
 - ◆ The intersection of 2nd Avenue and Linwood Avenue prepare a hydrologic model using WWHM12 of the existing and proposed land use conditions for the limits of disturbance to determine the treatment and flow control requirements. The treatment and flow control facility would assume to be a stormwater pond locate in the southwest corner of the 2nd Avenue and Linwood Avenue intersection. The model would be run to determine the size of a flow control pond and a 100% infiltration pond.
 - ◆ 2nd Avenue from the intersection with Linwood basin to B Street, a hydraulic model using WWHM12 to ensure the existing stormwater infrastructure is able to handle any additional flow from the improvements. There is no anticipated increase in flow to the existing stormwater infrastructure from this project.
- 3) Layout: Prepare plan and profile sheets to a preliminary design level for the stormwater improvements. Show the plan view footprint of water quality and flow control facilities.
- 4) Draft Stormwater Site Plan: Prepare a draft Stormwater Site Plan (drainage report).

Task 3 *Preliminary Channelization and Signing*

- 1) Channelization and Signing: Layout pavement delineation and markings and permanent roadway signing.

Task 4 *30% Plans*

- 1) 30% Plans: Prepare the following plan types at 1"=20' scale (unless noted otherwise). The number of plan sheets per plan type is shown in parentheses.
 - ◆ Cover Sheet (1 Sheet)
 - ◆ Design Baseline Horizontal Control Plan (4 Sheets)
 - ◆ Roadway Sections (3 Sheets)
 - ◆ Roadway/Stormwater Plan and Profile (12 Sheets)
 - ◆ Paving Plans (12 Sheets)

- ◆ Pavement Marking Plans (12 Sheets)
- ◆ Illumination Sheets (6 Sheets)

Task 5 *30% Cost Estimate*

1) 30% Cost Estimate:

- ◆ Develop quantities based on the 30% Plans.
- ◆ Assign unit costs for quantified items and assign lump sum costs to other items based on professional judgment.
- ◆ Develop a Preliminary Design Construction Cost Estimate that includes a 30% contingency.
- ◆ Provide an order-of-magnitude estimate of the number of construction working days.

Task 6 *30% Specifications*

1) List of all nonstandard items for the City to review.

- ◆ This includes if an standard item is being modified to include a construction requirement.
- ◆ The standard items will be generated from WSDOT standard item list and City of Tumwater's standard specifications.

Task 7 *Basis of Design Report*

- 1) Draft Basis for Design Report: Compile tech memos prepared under Phase 5.
- 2) Draft Maximum Extent Feasible (MEF) documentation for sidewalk curb ramps that preliminary appear to not be able to meet ADA requirements.

Phase 6 Understanding

- Design will conform to City of Tumwater development guidelines and WSDOT Standard Plans.
- Drainage design for this project will be City of Tumwater Drainage Design and Erosion Control Manual.
- Estimates will be done in excel using City of Tumwater provided format.
- Stormwater for 2nd Avenue and Linwood Avenue intersection will have 100% infiltration with the infiltration facility located in the southwest corner of the intersection.
- Stormwater for 2nd Avenue from the Linwood Avenue intersection basin to B Street will be tying into existing stormwater infrastructure and will replace existing stormwater catch basins.
- This project has multiple basins. The basin that includes the intersection of Linwood Avenue SW and South 2nd Avenue SW will trigger all Minimum Requirements. All other basins will trigger Minimum Requirements 1 through 5 and 11. If the City of Tumwater authorizes Phase 14, then all Minimum Requirements will be triggered for all basins.

Phase 6 SCJ Deliverables

- 30% Plans in PDF submitted via email to City of Tumwater.
- 30% Project AutoCAD Files submitted via email to City of Tumwater.

- 30% Cost Estimate in excel submitted via email to City of Tumwater.
- 30% List of nonstandard items in word submitted via email to City of Tumwater.
- 30% Stormwater Site Plan (drainage report) in PDF submitted via email to City of Tumwater.
- Draft Basis for Design Report in PDF submitted via email to City of Tumwater.
- Draft Maximum Extent Feasible (MEF) documentation in PDF submitted via email to City of Tumwater.

Phase 7 Environmental Permitting

Task 1 SEPA Checklist Compliance

- 1) Site Visit: Conduct a site visit to field-review existing conditions and identify potential environmental constraints.
- 2) Draft SEPA Checklist: Complete a Draft version of the SEPA Checklist and submit documents for review by the City of Tumwater.
- 3) Final SEPA Checklist: Complete the SEPA Checklist once all comments are received from the review process.
 - ◆ The following documents will be included as appendices to the SEPA Checklist:
 - (a) Geotechnical Report.
 - (b) Stormwater Report
 - (c) Cultural Resources Memorandum.

Task 2 Permitting

- 1) NPDES Permit: Prepare a Notice of Intent (NOI) for a Construction Stormwater General Permit from the Department of Ecology along with supporting graphics. SCJ will arrange for publication of the NOI in the local paper and upload the required documentation to the Department of Ecology's online portal.

Phase 7 Understanding

- It is assumed the project will be exempt from Executive Order 21-02 due to the lack of known historic or archaeological resources, as well as the project taking place completely within previously disturbed areas.
- Water Quality will be addressed through the project stormwater site plan.
- It is assumed no technical analyses, other than those described in this scope of work, will be required.
- The City of Tumwater will be required to supply any additional documents needed to complete the SEPA Checklist.
- The City of Tumwater will be responsible for submitting the SEPA Checklist and all submittal fees required for review of the SEPA Checklist will be paid directly by the City of Tumwater.
- The SEPA determination will be Determination of Non-Significance.
- NEPA will not be required.

Phase 7 SCJ Deliverables

- NPDES Notice of Intent via the online permitting portal.
- Draft SEPA Checklist in PDF submitted via email to the City of Tumwater.
- Final SEPA Checklist in PDF submitted via email to the City of Tumwater.

Phase 8 Utility Coordination

Task 1 Utility Mapping

- 1) Utility Mapping:
 - ◆ Obtain system maps and as-built drawings from utility providers. Compare to survey mapping to verify mapping completeness.
 - ◆ Field-verify the utility mapping against visible appurtenances and available system maps.
 - ◆ Attend up to three (3) site visits with utility companies.
 - ◆ Reconcile mapping discrepancies with City of Tumwater and utility providers.
- 2) Utility Conflict Technical Memorandum: Prepare a utility conflict technical memorandum based on the 60% design.
- 3) Utility Purveyor Coordination: Coordinate with utility providers to determine cost responsibility for relocations. Identify special construction-related requirements for each utility. Identify hazardous utility materials requiring special handling. Monitor utility progress on relocation plan development. Review Relocation Plan. Incorporate relocation plans into the plans, specifications, and estimate package.

Task 2 Utility Potholing

- 1) Prepare an exhibit identifying proposed utility pothole locations.
- 2) Coordinate with utility companies or City Staff (for City owned utilities) to have potholing done at proposed locations.
- 3) Review pothole information from potholing companies and create an exhibit showing the pothole information.
- 4) Incorporate pothole information into design.

Phase 8 Understanding

- City of Tumwater will provide available as-builts for utilities in the project area.
- SCJ will contact utility purveyors for as-builts.

Phase 8 SCJ Deliverables

- Utility Conflict Technical Memorandum in PDF submitted via email to City of Tumwater
- Proposed utility pothole location exhibit in PDF submitted via email to utility companies and City of Tumwater.

- Exhibit showing utility pothole information in PDF submitted via email to City of Tumwater.

Phase 8 City Deliverables

- City As-Builts include water, sanitary sewer, stormwater.
- As-builts for the Tumwater Fire Department North End Station 405 Linwood Avenue SW.
- If available, as-builts for the US Army Reserve 921 4th Ave SW.

Phase 9 60% Design

Task 1 Comment Resolution

- 1) Review 30% Comments: Review and discuss comments.
- 2) Comment Review Meeting: Setup and attend a meeting with the City of Tumwater to review and clarify comments. Comment resolution will be addressed with a Bluebeam Session.

Task 2 Roadway

- 1) Horizontal Layout
 - ◆ Update horizontal layout based on comments received from the City of Tumwater from 30% submittal review.
- 2) Vertical Layout:
 - ◆ Revise vertical layout based on comments received from the City of Tumwater 30% submittal review.
 - ◆ Updated ADA ramps at intersections as needed. Update curb return profiles and intersection grading.
 - ◆ Central Island Profile
 - ◆ Driveway Grading
- 3) Roadway Modeling: Develop a roadway model and generate a Civil 3D finish surface for the proposed roadway layout. Identify plan view locations that may require TCE's and impacts to existing retaining wall. Prepare earthwork cross-sections at 25-ft stations.
- 4) Technical Memorandum: Update the technical memorandum based on plan revisions from the 30% submittal review comments.

Task 3 Stormwater

- 1) Basin Analysis: Update existing and proposed basin maps based on comments received from the City of Tumwater 30% submittal review.
- 2) Modeling: Update hydrologic model of the existing and proposed land based on comments from the City of Tumwater 30% submittal review.

- 3) Layout: Update stormwater conveyance system based on comments from the City of Tumwater 30% submittal review.
- 4) Draft Stormwater Site Plan: Update the draft Stormwater Site Plan (drainage report).

Task 4 *60% Channelization and Signing*

- 1) Channelization and Signing: Update layout pavement delineation and markings and permanent roadway signing.

Task 5 *Preliminary Maintenance of Traffic*

- 1) Maintenance of Traffic Concept: Develop a strategy for construction phasing and traffic handling during construction for the project. Describe sequencing and traffic control methods. Include exhibits depicting the sequence of construction. Meet with the City of Tumwater to review the strategy. Revise the strategy one time to address input from the City of Tumwater.
- 2) Technical Memorandum: Prepare a traffic technical memorandum describing the construction phasing and traffic handling strategy for inclusion in the Basis of Design Report.

Task 6 *Illumination Design*

- 1) 60% Lighting: Revise lighting plans and lighting calculations using AGI32 software based on the Thurston County 30% submittal review. Coordinate illumination service location with Puget Sound Energy.

Task 7 *60% Plans*

- 1) 60% Plans: Prepare the following plan types at 1"=20' scale (unless noted otherwise). The number of plan sheets per plan type is shown in parentheses.
 - ◆ Cover Sheet (1 Sheet)
 - ◆ Design Baseline Horizontal Control Plan (4 Sheets)
 - ◆ Roadway Sections (3 Sheets)
 - ◆ Removal Plans (12 Sheets)
 - ◆ Temporary Erosion and Sediment Control Plans (12 Sheets)
 - ◆ Temporary Erosion and Sediment Control Details (2 Sheets)
 - ◆ Roadway/Stormwater Plan and Profile (12 Sheets)
 - ◆ Stormwater Details (4 Sheets)
 - ◆ Paving Plans (12 Sheets)
 - ◆ Sidewalk Curb Ramp Details (13 Sheets)
 - ◆ Paving Details (2 Sheets)
 - ◆ Roundabout Center Island Details (2 Sheets)
 - ◆ Pavement Marking Plans (12 Sheets)
 - ◆ Pavement Marking Details (2 Sheets)
 - ◆ Signing Plans (12 Sheets)

- ◆ Signing Details (3 Sheets)
- ◆ Illumination Sheets (6 Sheets)
- ◆ Illumination Details (3 Sheets)
- ◆ Staging Plans (5 Sheets)
- ◆ Temporary Traffic Control Plans (5 Sheets)

Task 8 *60% Cost Estimate*

- 1) 60% Cost Estimate:
 - ◆ Develop quantities based on the 60% plans.
 - ◆ Develop a 60% design Cost Estimate that includes a 15% contingency.

Task 9 *60% Specifications*

- 1) 60% Specifications
 - ◆ Develop run-list.

Task 10 *Basis of Design Report*

- 1) Basis for Design Report: Update the Basis for Design Report based on comments from the City of Tumwater 30% submittal review and the 60% design.
- 2) Maximum Extent Feasible (MEF): Update the MEF based on design 60% design revisions.

Phase 9 SCJ Deliverables

- 60% Plans in PDF submitted via email to City of Tumwater.
- 60% Project AutoCAD Files submitted via email to City of Tumwater.
- 60% Construction Cost Estimate in PDF submitted via email to City of Tumwater.
- 60% Special Provisions in PDF submitted via email to City of Tumwater.
- 60% Stormwater Site Plan in PDF submitted via email to City of Tumwater.
 - SWPPP will be an appendix to the Stormwater Site Plan.
- Basis for Design Report in PDF submitted via email to City of Tumwater.
- Maximum Extent Feasible (MEF) documentation in PDF submitted via email to City of Tumwater.

Phase 10 90% Design

Task 1 *Comment Resolution*

- 1) Review 60% Comments: Review and respond to comments.
- 2) Comment Review Meeting: Setup and attend a meet with the City of Tumwater to review and clarify comments. Comment resolution will be addressed with a Bluebeam Session.

Task 2 *Roadway*

- 1) Horizontal Layout
 - ◆ Update horizontal layout based on comments received from the City of Tumwater from 60% submittal review.
- 2) Vertical Layout:
 - ◆ Updated vertical layout based on comments received from the City of Tumwater 60% submittal review.

Task 3 *Stormwater*

- 1) Basin Analysis: Update existing and proposed basin maps based on comments received from the City of Tumwater 60% submittal review.
- 2) Modeling: Update hydrologic model of the existing and proposed land based on comments from the City of Tumwater 60% submittal review.
- 3) Layout: Update stormwater conveyance system based on comments from the City of Tumwater 60% submittal review.
- 4) Draft Stormwater Site Plan: Update the draft Stormwater Site Plan (drainage report).

Task 4 *90% Channelization and Signing Design*

- 1) Striping: Update pavement marking plans to incorporate any horizontal design changes and revisions based on the 60% Comments.
- 2) Signing: Develop a signing plan to meet the requirements of the MUTCD. Identify sign type, size and location. Identify existing signs to be relocated or removed. Prepare the Sign Specification table.

Task 5 *90% Maintenance of Traffic*

- 1) 90% Maintenance of Traffic: Update and progress design. Incorporate 60% review comments.

Task 6 *Illumination Design*

- 1) 90% Lighting: Update lighting plans and lighting calculations using AGI32 software based on the City of Tumwater 60% submittal review.

Task 7 *90% Plans*

- 1) 90% Plans: Update the following plan types at 1"=20' scale (unless noted otherwise). The number of plan sheets per plan type is shown in parentheses.
 - ◆ Cover Sheet (1 Sheet)
 - ◆ Design Baseline Horizontal Control Plan (4 Sheets)
 - ◆ Roadway Sections (3 Sheets)
 - ◆ Removal Plans (12 Sheets)

- ◆ Temporary Erosion and Sediment Control Plans (12 Sheets)
- ◆ Temporary Erosion and Sediment Control Details (2 Sheets)
- ◆ Roadway/Stormwater Plan and Profile (12 Sheets)
- ◆ Stormwater Details (4 Sheets)
- ◆ Paving Plans (12 Sheets)
- ◆ Sidewalk Curb Ramp Details (13 Sheets)
- ◆ Paving Details (2 Sheets)
- ◆ Roundabout Center Island Details (2 Sheets)
- ◆ Pavement Marking Plans (12 Sheets)
- ◆ Pavement Marking Details (2 Sheets)
- ◆ Signing Plans (12 Sheets)
- ◆ Signing Details (3 Sheets)
- ◆ Illumination Sheets (6 Sheets)
- ◆ Illumination Details (3 Sheets)
- ◆ Staging Plans (5 Sheets)
- ◆ Temporary Traffic Control Plans (5 Sheets)

Task 8 *90% Cost Estimate*

- 1) 90% Cost Estimate:
 - ◆ Develop quantities based on the 90% plans.
 - ◆ Develop a 90% design construction cost estimate that includes a 5% contingency.

Task 9 *90% Specifications*

- 1) 90% Specifications
 - ◆ Write special provisions based on 90% plan set.
 - ◆ Complete WSDOT standard specifications, City Standard Specifications, and project special provisions for City to incorporate into the project Contract Manual.

Task 10 *Constructability Review*

- 1) Perform one (1) constructability review of the 90% plans, specifications, and estimate.

Task 11 *Basis of Design Report*

- 1) Basis for Design Report: Update the Basis for Design Report based on comments from the City of Tumwater 60% submittal review and the 90% design.
- 2) Maximum Extent Feasible (MEF): Update the MEF based on design 90% design revisions.

Phase 10 SCJ Deliverables

- 90% Plans in PDF submitted via email to City of Tumwater.

- 90% Project AutoCAD Files submitted via email to City of Tumwater.
- 90% Construction Cost Estimate in PDF submitted via email to City of Tumwater.
- 90% Special Provisions in PDF submitted via email to City of Tumwater.
- 90% Stormwater Site Plan in PDF submitted via email to City of Tumwater.
 - SWPPP will be an appendix to the Stormwater Site Plan.
- Basis for Design Report in PDF submitted via email to City of Tumwater.
- Maximum Extent Feasible (MEF) documentation in PDF submitted via email to City of Tumwater.

Phase 11 Final PS&E

Task 1 Comment Response:

- 1) 90% Comment Response: Respond to 90% comments from the City of Tumwater

Task 2 Final Plans

- 1) Final Plans: Finalize all plan sheets.

Task 3 Final Cost Estimate

- 1) Final Cost Estimate:
 - ◆ Develop quantities based on the final plans.
 - ◆ Develop a final design construction cost estimate that includes a 0% contingency.

Task 4 Final Specifications

- 1) Final Specifications
 - ◆ Finalize special provisions based on the final plan set.
 - ◆ Complete WSDOT standard specifications, City Standard Specifications, and project special provisions for City to incorporate into the project Contract Manual.

Task 5 Final Stormwater Report

- 1) Final Stormwater Report: Prepare a final stormwater report based on 90% comments and constructability review.

Task 6 Final Basis of Design Report

- 1) Basis for Design Report: Update the Basis for Design Report based on comments from the City of Tumwater 90% submittal review and the final design.
- 2) Maximum Extent Feasible (MEF): Update the MEF based on design final design revisions.

Phase 11 Understanding

- The City of Tumwater will be compiling the Contract Manual.

Phase 11 SCJ Deliverables

- Final Plans in PDF submitted via email to City of Tumwater.
- Final Project AutoCAD Files submitted via email to City of Tumwater.
- Final Construction Cost Estimate in PDF submitted via email to City of Tumwater.
 - Includes all calculations and backup data for how all bid items and quantities were calculation and verified including the quality control measures taken.
- Final Special Provisions in PDF submitted via email to City of Tumwater.
- Final Stormwater Site Plan in PDF submitted via email to City of Tumwater.
 - SWPPP will be an appendix to the Stormwater Site Plan.
- Final Basis for Design Report in PDF submitted via email to City of Tumwater.
- Final Maximum Extent Feasible (MEF) documentation in PDF submitted via email to City of Tumwater.

Phase 12 Cultural Resources (Tierra)

Phase 12 will provide field investigation and report in compliance with Executive Order 21-02 due to the state funding element. The field investigation will document the built environment and the historic building in the project vicinity. Due to the expected footprint of the project and previously disturbed areas it is anticipated that the project will be exempt from a cultural resources discipline report.

Task 1 Project Management and Agency Coordination

- 1) Tierra will coordinate with SCJ Alliance, WSDOT, DAHP, and the affected Tribes, as needed. Other items under this task include project management, team meetings, and billing.

Task 2 Archaeological Field Investigation

- 1) Tierra will conduct a pedestrian survey of the project to document and photograph current project conditions.

Task 3 Reporting and Deliverables

- 1) Following fieldwork, a technical report will be prepared outlining the project from start to completion. The report will be submitted to SCJ Alliance for review and approval. Only with authorization from SCJ Alliance will this report be finalized and submitted to WSDOT for review and approval. The report will follow DAHP standards and will include descriptions of the proposed project, pre-field research, field methods, and results of the investigations. The report will also contain recommendations regarding the archaeological/historic significance of the historic building previously identified in the project area.

- 2) Any comments will be addressed and a revised report (pdf format) including a DAHP cover sheet, resource forms, and any additional attachments, provided to SCJ Alliance for final submittal to WSDOT, who will submit the final report to DAHP and the Tribes.

Phase 12 Understanding

- The fieldwork investigation will not identify cultural resources, and no artifacts or cultural materials will be removed from the field.
- Additional archival research will not be required.
- Native American consultation will not be performed under this scope of work.

Phase 12 Tierra Deliverables

- Draft Technical Report submitted to SCJ.
- Finalized Technical Report submitted to WSDOT.

Phase 13 Schedule 74 Utility Coordination (Not to proceed without direction from City)

This phase is dedicated to the coordination between SCJ and the private utility companies to underground utilities for this project. The undergrounding will be broken up into two different areas:

- Area 1: The intersection of Linwood Avenue SW and South 2nd Avenue SW north to the intersection of South 2nd Avenue SW and South 4th Avenue SW.
- Area 2: The intersection South 2nd Avenue SW and South 4th Avenue SW north to the intersection of South 2nd Avenue SW and B Street SW.

This phase will assume the allocation of 192 hours. These hours will be re-evaluated once the extents of underground work is defined.

Task 1 Area 1 – Schedule 74 Utility Coordination

- 1) Joint Utility Trench (JUT) Layout: Meet with Puget Sound Energy (PSE) and telecommunications utilities to coordinate the proposed improvements. Determine the location of the joint utility trench for PSE and telecommunication facilities. Determine concept level location of all service connections (four assumed). Prepare a plan showing the location, depth, and trench cross-section.
- 2) PSE Utility Vaults: Coordinate with PSE to determine type, size, and number of conduits required to underground PSE power facilities. Coordinate with PSE to determine appropriate location for PSE vaults and transformers. Prepare exhibits showing the area needed for PSE facilities.
- 3) Telecommunications Vaults: Coordinate with telecommunications companies to determine which companies are sharing PSE poles and will need to be part of the underground conversion. Coordinate with the telecommunication companies to determine type, size, and number of

conduits required to underground facilities. Coordinate with telecommunication companies to determine appropriate location for vaults and transformers. Prepare exhibits showing the area needed for telecommunication facilities.

Task 2 *Area 2 – Schedule 74 Utility Coordination*

- 1) Joint Utility Trench (JUT) Layout: Meet with Puget Sound Energy (PSE) and telecommunications utilities to coordinate the proposed improvements. Determine the location of the joint utility trench for PSE and telecommunication facilities. Determine concept level location of all service connections (ten assumed). Prepare a plan showing the location, depth, and trench cross-section.
- 2) PSE Utility Vaults: Coordinate with PSE to determine type, size, and number of conduits required to underground PSE power facilities. Coordinate with PSE to determine appropriate location for PSE vaults and transformers. Prepare exhibits showing the area needed for PSE facilities.
- 3) Telecommunications Vaults: Coordinate with telecommunications companies to determine which companies are sharing PSE poles and will need to be part of the underground conversion. Coordinate with the telecommunication companies to determine type, size, and number of conduits required to underground facilities. Coordinate with telecommunication companies to determine appropriate location for vaults and transformers. Prepare exhibits showing the area needed for telecommunication facilities.

Phase 13 Understanding

- Easements for utilities will be acquired by the utility purveyors or the City of Tumwater.

Phase 13 Deliverables

- JUT Plans (Draft and Final) to be incorporated into the Final Plans Package in PDF.
- Utility Vault and Facility Exhibits in PDF.

Phase 14 2nd Avenue Stormwater Design (Not to proceed without direction from City)

This phase is dedicated to the stormwater design on South 2nd Avenue SW from South 4th Avenue SW to B Street SW. This phase will assume the allocation of 96 hours.

Task 1 *Stormwater Modeling*

- 1) Modeling:
 - ◆ 2nd Avenue from the intersection with Linwood basin to B Street, a hydraulic model using WWHM12 to ensure the existing stormwater infrastructure is able to handle any additional flow from the improvements and the underground infiltration facility. This phase assumes

the project will trigger Minimum Requirement 6: Runoff Treatment and Minimum Requirements 7: Flow Control.

- 2) Layout: Prepare plan and profile sheets to determine a preliminary design level for the stormwater improvements based on the Minimum Requirements 6 and 7. Show the plan view footprint of water quality and water control facilities.
- 3) Revise Stormwater Site Plan: Revise the draft Stormwater Site Plan (drainage report) prepared in Phase 6 Task 2.
- 4) Stormwater Meeting: Attend one (1) meeting with the CITY to review stormwater plan.

Task 2 *Revise Stormwater*

- 1) Revise Stormwater Modeling: Check the modeling based on any comments from the meeting with the CITY in Phase 14, Task 1.
- 2) Revise Layout: Revise layout of the stormwater plan and profiles based on comments from the meeting with the CITY in Phase 14, task 1.
- 3) Revise Stormwater Site Plan: Revise the draft Stormwater Site Plan (drainage report) based on comments from the meeting with the CITY in Phase 14, task 1.

Task 3 *60% Plans Sheets (Stormwater Facility Details)*

- 1) 60% Plans (Stormwater Facility Details): Add the following plan types at 1"=20' scale (unless noted otherwise) to the plan set at the 60% Phase. The number of plan sheets per plan type is shown in parentheses.

◆ Stormwater Facility Details (4 Sheets)

Task 4 *90% Plans Sheets (Stormwater Facility Details)*

- 1) Final Plans (Stormwater Facility Details): Update the following plan types at 1"=20' scale (unless noted otherwise) to the plan set at the 90% Phase. The number of plan sheets per plan type is shown in parentheses.

◆ Stormwater Facility Details (4 Sheets)

Task 5 *Final Plans Sheets (Stormwater Facility Details)*

- 1) Final Plans (Stormwater Facility Details): Update the following plan types at 1"=20' scale (unless noted otherwise) to the plan set at the Final Phase. The number of plan sheets per plan type is shown in parentheses.

◆ Stormwater Facility Details (4 Sheets)

Phase 14 Understanding

- The stormwater BMP for the stretch of South 2nd Avenue SW from F St SW to B St SW is assumed to be underground infiltration facilities.
- The South 3rd Avenue SW area on the south side of South 2nd Avenue SW potential use for stormwater facility, will need to discuss with CITY if feasible.

Phase 14 Deliverables

- Revised Stormwater Site Plan in PDF submitted via email to City of Tumwater.
- WWHM 12 files submitted via email to City of Tumwater.
- 60% Stormwater Facility Detail sheets as part of the 60% Plan Set in PDF submitted via email to City of Tumwater.
- 90% Stormwater Facility Detail sheets as part of the 90% Plan Set in PDF submitted via email to City of Tumwater.
- Final Stormwater Facility Detail sheets as part of the Final Plan Set in PDF submitted via email to City of Tumwater.

Phase 15 GEOTECHNICAL INVESTIGATION AND REPORTING 2nd Ave – F St SW to B St SW (Sage) (Not to proceed without direction from City)

CONSULTANT will retain Sage Geotechnical, LLC (Sage) to provide limited geotechnical engineering services in support of the project.

Task 1 Site Reconnaissance and Utility Locates

- 1) Gather and review available geotechnical and geologic information for the site.
- 2) Visit the site to observe existing conditions and equipment access for field explorations.
- 3) Notify the Utility Notification Center for public utility clearance. Subcontract a private utility-locating service to locate utilities outside of public easements.
- 4) Submit a traffic control plan for review by the CITY.
- 5) Prepare subcontractor agreements for excavation or drilling services. Coordinate fieldwork schedule with subcontractors.
- 6) Provide project management services, including monthly budget tracking and progress reports, project closeout, and miscellaneous consultation.

Task 2 Geotechnical Field Explorations and Laboratory Testing

- 1) Advance five geotechnical test pits up to 12 ft, groundwater, or practical refusal OR advance five auger borings, each to a depth of 20 ft below ground surface, groundwater, or practical refusal. The CITY's consultant will provide desirable locations to Sage (one at F St SW and B St SW, and 3 spaced evenly between). Depending on site conditions, Sage will submit a site plan

for the CITY's review showing the proposed exploration locations prior to breaking ground. Drilling will require 1 day.

- 2) A Sage geotechnical engineer will supervise the explorations, obtain soil samples, and prepare field logs of the conditions encountered. Soil samples will be transported to Sage's laboratory for further classification and testing.
- 3) Geotechnical laboratory testing will be completed to help determine pertinent soil engineering properties. Laboratory testing will include up to 12 index tests (combined sieve and hydrometer grain-size distribution analyses) and up to 12 moisture content determinations.

Task 3 *Geotechnical Engineering Analysis and Reporting*

- 1) Analyze data obtained from the geologic review, field explorations, and laboratory testing program. Prepare a technical memorandum that includes:
 - ◆ A site map showing the approximate locations of the explorations.
 - ◆ Descriptive logs of the explorations and a summary of the subsurface soil and groundwater conditions observed.
- 2) Prepare a geotechnical data report for inclusion in bid documents. The data report will include a summary of the field investigation, a description of subsurface conditions observed in the explorations, and the results of the geotechnical laboratory testing.

Phase 15 Assumptions:

- Sage will subcontract the driller and private utility-locating services.
- Site soil and groundwater are free from contamination.
- The exploration method (excavator or drilling) will depend on utilities and determined after locates are submitted or a survey with utilities is provided.
- Traffic control plans and traffic control devices will be subcontracted by Sage. Sage assumes a shoulder or lane closure will be required.
- Right-of-way permits will be provided by the CITY at no cost to Sage.
- Excavation or drilling can be completed on weekdays during daylight hours.
- No private property right-of-entry permits are required.
- Soil samples obtained from the explorations will be held for 60 days after submittal of the final memorandum. After that date, the soil samples will be disposed of, unless arrangements are made to retain them.

Phase 15 Sage Deliverables:

- Technical memoranda (draft and final will be delivered electronically in pdf format.

Phase 16 TASK 2: GEOTECHNICAL INVESTIGATION AND REPORTING – 3rd St SW (Sage) (Not to proceed without direction from City)

CONSULTANT will retain Sage Geotechnical, LLC (Sage) to provide limited geotechnical engineering services in support of the project.

Task 1 *Site Reconnaissance and Utility Locates*

- 1) Gather and review available geotechnical and geologic information for the site.
- 2) Visit the site to observe existing conditions and drill rig access for field explorations.
- 3) Notify the Utility Notification Center for public utility clearance. Subcontract a private utility-locating service to locate utilities outside of public easements.
- 4) Submit a traffic control plan for review by the CITY.
- 5) Prepare subcontractor agreement for drilling services. Coordinate fieldwork schedule with subcontractors.
- 6) Provide project management services, including monthly budget tracking and progress reports, project closeout, and miscellaneous consultation.

Task 2 *Geotechnical Field Explorations and Laboratory Testing*

- 1) Advance one auger boring to a depth of 25 ft below ground surface, groundwater, or practical refusal. The CITY's consultant will provide a desirable location to Sage (S 3rd Ave SW undeveloped area next to I-5). Depending on site conditions, Sage will submit a site plan for the CITY's review showing the proposed exploration locations prior to breaking ground. Drilling will require a half day.
- 2) A Sage geotechnical engineer will supervise the explorations, obtain soil samples, and prepare field logs of the conditions encountered. Soil samples will be transported to Sage's laboratory for further classification and testing.
- 3) Geotechnical laboratory testing will be completed to help determine pertinent soil engineering properties. Laboratory testing will include up to four index tests (combined sieve and hydrometer grain-size distribution analyses) and up to four moisture content determinations.

Task 3 *Geotechnical Engineering Analysis and Reporting*

- 1) Analyze data obtained from the geologic review, field explorations, and laboratory testing program. Prepare a technical memorandum that includes:
 - ◆ A site map showing the approximate location of the exploration.
 - ◆ Descriptive log of the explorations and a summary of the subsurface soil and groundwater conditions observed.
- 2) Prepare a geotechnical data report for inclusion in bid documents. The data report will include a summary of the field investigation, a description of subsurface conditions observed in the explorations, and the results of the geotechnical laboratory testing.

Task 16 Assumptions:

- Sage will subcontract the driller and private utility-locating services.

- The boring location will be along the paved portion of the right-of-way that is also being used as residential access. The City will assist with neighbor relations and communication.
- Site soil and groundwater are free from contamination.
- Traffic control plans and traffic control devices will be subcontracted by Sage. Sage assumes a lane closure will be required.
- Right-of-way permits will be provided by the CITY at no cost to Sage.
- Drilling can be completed on weekdays during daylight hours.
- No private property right-of-entry permits are required.
- Soil samples obtained from the explorations will be held for 60 days after submittal of the final memorandum. After that date, the soil samples will be disposed of, unless arrangements are made to retain them.

Task 16 Sage Deliverables:

- Technical memoranda (draft and final will be delivered electronically in pdf format.

Chapter 3.46
CITY CONTRACTS – NONDISCRIMINATION IN BENEFITS

Sections:

- 3.46.010 Definitions.
- 3.46.020 Nondiscrimination in benefits.
- 3.46.030 Limitations.
- 3.46.040 Powers and duties of the city administrator.
- 3.46.050 Appeals.
- 3.46.060 Effective date.

3.46.010 Definitions.

For the purpose of this chapter:

A. “Contract” means a contract for public works, consulting, or supplies, material, equipment or services estimated to cost \$50,000 or more;

B. “Contract awarding authority” means the city officer, department, commission, employee, or board authorized to enter into or to administer contracts on behalf of the city;

C. “Domestic partner” means any person who is registered with his/her employer as a domestic partner or, in the absence of such employer-provided registry, is registered as a domestic partner with a governmental body pursuant to state or local law authorizing such registration. Any internal employer registry of domestic partnership must comply with criteria for domestic partnerships specified by rule by the city administrator;

D. “Employee benefits” means the provision of bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; pension and retirement benefits; vacation; travel benefits; and any other benefits given to employees; provided, that it does not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state law.

(Ord. O2000-028, Added, 02/06/2001)

3.46.020 Nondiscrimination in benefits.

A. No contractor on a city contract shall discriminate in the provision of employee benefits between an employee with a domestic partner and an employee with a spouse. The contractor shall not be deemed to discriminate in the provision of employee benefits if, despite taking reasonable measures to do so, the contractor is unable to extend a particular employee benefit to domestic partners, so long as the contractor provides the employee with a cash equivalent.

B. Other Options for Compliance Allowed. Provided that a contractor does not discriminate in the provision of benefits between employees with spouses and employees with domestic partners, a contractor may:

1. Elect to provide benefits to individuals in addition to employees' spouses and employees' domestic partners;
2. Allow each employee to designate a legally domiciled member of the employee's household as being eligible for spousal equivalent benefits; or
3. Provide benefits neither to employees' spouses nor to employees' domestic partners.

C. Requirements Inapplicable Under Certain Conditions. The city administrator may waive the requirements of this chapter where:

1. Award of a contract or amendment is necessary to respond to an emergency;
2. The contractor is a sole source;
3. No compliant contractors are capable of providing goods or services that respond to the city's requirements;
4. The contractor is a public entity;
5. The requirements are inconsistent with a grant, subvention or agreement with a public agency;
6. The city is purchasing through a cooperative or joint purchasing agreement.

D. Requests for waivers of the terms of this chapter are to be made to the city administrator by the contract awarding authority. Decisions by the city administrator to issue or deny waivers are final unless appealed pursuant to TMC 3.46.050.

E. The city administrator shall reject an entity's bid or proposal, or terminate a contract, if the city administrator determines that the entity was set up, or is being used, for the purpose of evading the intent of this chapter.

F. No contract awarding authority shall execute a contract with a contractor unless such contractor has agreed that the contractor will not discriminate in the provision of employee benefits as provided for in this chapter.

G. All contracts awarded by the city shall contain provisions prohibiting discrimination in the provision of employee benefits, including provisions containing appropriate remedies for the breach thereof as prescribed by this chapter, except as exempted by this chapter or rule.

(Ord. O2000-028, Added, 02/06/2001)

3.46.030 Limitations.

The requirements of this chapter only shall apply to those portions of a contractor's operations that occur:

- A. Within the city;
- B. On real property outside of the city if the property is owned by the city or if the city has a right to occupy the property, and if the contractor's presence at that location is connected to a contract with the city; and
- C. Elsewhere in the United States where work related to a city contract is being performed. The requirements of this chapter shall not apply to subcontracts or subcontractors of any contract or contractor.

(Ord. O2000-028, Added, 02/06/2001)

3.46.040 Powers and duties of the city administrator.

The city administrator shall have the power to:

- A. Adopt rules and regulations in accordance with this chapter establishing standards and procedures for effectively carrying out this chapter;
- B. Determine and impose appropriate sanctions and/or liquidated damages for violation of this chapter by contractors including, but not limited to:
 - 1. Disqualification of the contractor from bidding on or being awarded a city contract for a period of up to five years; and
 - 2. Contractual remedies, including, but not limited to, liquidated damages and termination of the contract;
- C. Examine contractor's benefit programs covered by this chapter;
- D. Impose other appropriate contractual and civil remedies and sanctions for violations of this chapter;
- E. Allow for remedial action after a finding of noncompliance, as specified by rule;
- F. Perform such other duties as may be required by ordinance or which are necessary to implement the purposes of this chapter.

(Ord. O2000-028, Added, 02/06/2001)

3.46.050 Appeals.

Any aggrieved party may appeal a decision of the city administrator to the mayor by the submittal of a written request to the city attorney within ten working days of the decision to be appealed. The mayor's decision will be in writing with findings identified upon which the decision was made. Subsequent appeal will be to the Thurston County superior court.

(Ord. O2000-028, Added, 02/06/2001)

3.46.060 Effective date.

The provisions of this chapter shall apply to any contract awarded on or after January 2, 2002.

(Ord. O2000-028, Added, 02/06/2001)

EXHIBIT C
COMPENSATION SPREADSHEET

Consultant Billing Rate Schedule - Exhibit D-2



SCJ Alliance

Client: City of Tumwater
Project: 2nd Avenue Pedestrian and Bicycle Improvements
Job #: 23-000742
File Name: 23-000742_FEE_20240610.xlsm
Date: 2/20/24

Hourly Rate Table Format: WSDOT
 Allowable Overhead Rate: 166.19%
 Negotiated Fixed Fee: 31.00%
 Billing Rate Table Version: 8/17/2023

Actuals Not To Exceed Billing Rate Table (ANTE)

Job Classifications	Direct Labor Hourly Rate NTE	Allowable Overhead 166.19%	Negotiated Profit 31.00%	Total Hourly Billing Rates NTE
Principal	\$132.15	\$219.63	\$40.97	\$392.75
Senior Consultant	\$105.92	\$176.02	\$32.83	\$314.77
Senior Project Manager	\$92.11	\$153.08	\$28.55	\$273.74
PM3 Project Manager	\$77.00	\$127.97	\$23.87	\$228.84
PM2 Project Manager	\$70.00	\$116.33	\$21.70	\$208.03
PM1 Project Manager	\$52.00	\$86.42	\$16.12	\$154.54
Senior Engineer	\$64.29	\$106.84	\$19.93	\$191.06
E4 Engineer	\$60.00	\$99.71	\$18.60	\$178.31
E3 Engineer	\$56.68	\$94.20	\$17.57	\$168.45
E2 Engineer	\$49.47	\$82.21	\$15.34	\$147.02
E1 Engineer	\$39.12	\$65.01	\$12.13	\$116.26
Senior Landscape Architect	\$61.79	\$102.69	\$19.15	\$183.63
L4 Landscape	\$53.08	\$88.21	\$16.45	\$157.75
L3 Landscape	\$45.00	\$74.79	\$13.95	\$133.74
L2 Landscape	\$41.14	\$68.37	\$12.75	\$122.26
L1 Landscape	\$34.00	\$56.50	\$10.54	\$101.04
Senior Planner	\$71.00	\$117.99	\$22.01	\$211.00
P4 Planner	\$52.17	\$86.70	\$16.17	\$155.04
P3 Planner	\$45.00	\$74.79	\$13.95	\$133.74
P2 Planner	\$39.48	\$65.61	\$12.24	\$117.33
P1 Planner	\$36.30	\$60.33	\$11.25	\$107.88
Senior Technician	\$53.00	\$88.08	\$16.43	\$157.51
T4 Technician	\$48.26	\$80.20	\$14.96	\$143.42
T3 Technician	\$40.62	\$67.51	\$12.59	\$120.72
T2 Technician	\$36.00	\$59.83	\$11.16	\$106.99
T1 Technician	\$34.34	\$57.07	\$10.65	\$102.06
Construction Inspector	\$33.17	\$55.13	\$10.28	\$98.58
Senior Construction Manager	\$0.00	\$0.00	\$0.00	\$0.00
RE 3 Construction Resident Engineer	\$0.00	\$0.00	\$0.00	\$0.00
RE 2 Construction Resident Engineer	\$0.00	\$0.00	\$0.00	\$0.00
RE 1 Construction Resident Engineer	\$0.00	\$0.00	\$0.00	\$0.00
Construction Office Engineer	\$0.00	\$0.00	\$0.00	\$0.00
CI 4 Construction Inspector	\$72.97	\$121.27	\$22.62	\$216.86
CI 3 Construction Inspector	\$0.00	\$0.00	\$0.00	\$0.00
CI 2 Construction Inspector	\$0.00	\$0.00	\$0.00	\$0.00
CI 1 Construction Inspector	\$0.00	\$0.00	\$0.00	\$0.00
Graphic Designer	\$46.00	\$76.45	\$14.26	\$136.71
PC 3 Project Coordinator - CM Only	\$0.00	\$0.00	\$0.00	\$0.00
PC 2 Project Coordinator	\$45.85	\$76.20	\$14.21	\$136.26
PC 1 Project Coordinator	\$36.35	\$60.41	\$11.27	\$108.03
Project Accountant	\$66.00	\$109.69	\$20.46	\$196.15

Consultant Fee Determination Summary - Exhibit D-1



SCJ Alliance

Client: City of Tumwater
 Project: 2nd Avenue Pedestrian and Bicycle Impro
 Job #: 23-000742
 File Name: 23-000742_FEE_20240614.xlsm

Template Version: 8/17/2023
 Contract Type: WSDOT

Consultant Fee Determination

DIRECT SALARY COST

<u>Classification</u>	<u>Hours</u>	<u>Direct Hourly Rate</u>	<u>Amount</u>
Principal	184.0	\$70.20	\$12,916.80
E4 Engineer	512.0	\$52.11	\$26,680.32
Senior Technician	496.0	\$52.92	\$26,248.32
E3 Engineer	1,428.0	\$41.74	\$59,604.72
Senior Project Manager	32.0	\$83.32	\$2,666.31
Senior Planner	56.0	\$52.67	\$2,949.35
P4 Planner	54.0	\$44.07	\$2,379.78
Project Accountant	16.0	\$45.67	\$730.77
Total Direct Salary Cost			\$134,176.37

OVERHEAD

Overhead Rate:	166.19%	Direct Salary Cost:	\$134,176.37	Overhead Cost	\$222,987.72
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FIXED FEE

Fixed Fee Rate:	31.00%	Direct Salary Cost:	\$134,176.37	Fixed Fee Cost	\$41,594.68
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TOTAL SALARY COST

Total Salary Cost \$398,758.76

SUBCONSULTANTS

MTN2COAST	Phase 2	Topographic Survey/Right-of-Way Establishment (M	\$57,430
Sage Geotechnical	Phase 3	Geotechnical investigation and Reporting (Sage Geo	\$42,735
Tierra	Phase 12	Cultural Resources (Tierra)	\$10,294
Sage Geotechnical	Phase 15	GEOTECHNICAL INVESTIGATION AND REPORTING 2r	\$14,630
Sage Geotechnical	Phase 16	GEOTECHNICAL INVESTIGATION AND REPORTING - :	\$10,240
Subconsultant Fee Subtotal			\$0
Subconsultant Markup:			10%
			\$135,329.00
			\$13,532.90

REIMBURSABLE EXPENSES

Copies, Printing, etc.	0.2%	of the Direct Salary Costs	\$797.52
Traffic Counting		Vender to Count Traffic	\$1,000
Title Reports		Title Reports	\$13,000
Mileage	150	miles at \$0.655 per mile	\$98.25
Expenses Subtotal:			\$14,895.77
Expenses Markup:			0%
			\$0.00

SUBTOTAL (SALARY, SUBCONSULTANTS AND EXPENSES)

Subtotal (Salary, Subconsultants and Expenses) **\$562,516.43**

MANAGEMENT RESERVE FUND (MRF)

Management Reserve: \$75,000 **\$75,000.00**

Total Estimated Budget: \$637,516.43



Consultant Labor Hour Estimate

SCJ Alliance

Client: City of Tumwater

Template Version: 8/17/2023

Project: 2nd Avenue Pedestrian and Bicycle Improvement

Contract Type: WSDOT

Job #: 23-000742

File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowswell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
Phase 1 Project Management										
Task 1 Management										
1	Management	32.0	64.0							96.0
2	Schedule and Budget	16.0	16.0							32.0
3	Bi-Weekly Progress Reports	19.0	38.0							57.0
4	Progress Billing	16.0	16.0						16.0	48.0
5	Filing		8.0							8.0
6	Subconsultant Administration	4.0	16.0							20.0
7	Project Meeting									
Subtotal Hours:		87.0	158.0						16.0	261.0
Task 2 Quality Assurance/Quality Control										
1	Quality Control	16.0	24.0							40.0
2	Quality Assurance:	16.0	24.0							40.0
Subtotal Hours:		32.0	48.0							80.0
Total Phase Hours:		119.0	206.0						16.0	341.0
Total Phase Direct Labor:		\$8,353.80	\$10,734.66						\$730.77	\$19,819.23
Phase 2 Topographic Survey/Right-of-Way Establishment (MTN2COAST)										
Phase 3 Geotechnical investigation and Reporting (Sage Geotechnical)										
Phase 4 Traffic Validation										
Task 1 Traffic Analysis										
1	Data Review						8.0			8.0
2	Volume Forecasts						16.0			16.0
3	Operational Analysis						16.0			16.0
4	Technical Memorandum						16.0			16.0
Subtotal Hours:							56.0			56.0
Total Phase Hours:							56.0			56.0
Total Phase Direct Labor:							\$2,949.35			\$2,949.35
Phase 5 Non-Circular Roundabout Configuration Validation										
Task 1 Site Visit with Survey										
1	Site Visit with Survey	4.0	4.0	4.0	4.0					16.0
Subtotal Hours:		4.0	4.0	4.0	4.0					16.0
Task 2 Roundabout Geometric Design										
1	Roundabout Concept Design	2.0	8.0	24.0	40.0					74.0
2	Stakeholder Coordination	2.0	2.0	2.0	2.0					8.0
3	Preliminary Lighting		2.0	8.0	24.0					34.0
4	Preliminary Signing		2.0	4.0	16.0					22.0
5	Technical Memorandum	2.0	2.0	2.0	8.0					14.0
6	Roundabout Geometric Revisions	3.0	3.0	24.0	24.0					54.0
Subtotal Hours:		9.0	19.0	64.0	114.0					206.0
Total Phase Hours:		13.0	23.0	68.0	118.0					222.0
Total Phase Direct Labor:		\$912.60	\$1,198.53	\$3,598.56	\$4,925.32					\$10,635.01
Phase 6 30% Design										
Task 1 Roadway										
1	Horizontal Layout		8.0	40.0	40.0					88.0
2	Vertical Layout	2.0	4.0	24.0	24.0					54.0
3	Technical Memorandum		4.0	4.0	16.0					24.0



Consultant Labor Hour Estimate

SCJ Alliance

Client: City of Tumwater

Template Version: 8/17/2023

Project: 2nd Avenue Pedestrian and Bicycle Improvement

Contract Type: WSDOT

Job #: 23-000742

File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowswell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
Subtotal Hours:		2.0	16.0	68.0	80.0					166.0
Task 2 Stormwater										
1	Basin Analysis	2.0	2.0		16.0					20.0
2	Modeling	2.0	2.0		16.0					20.0
3	Layout		2.0		24.0					26.0
4	Draft Stormwater Site Plan	2.0	2.0		16.0					20.0
Subtotal Hours:		6.0	8.0		72.0					86.0
Task 3 Preliminary Channelization and Signing										
1	Channelization and Signing		2.0	8.0	16.0					26.0
Subtotal Hours:			2.0	8.0	16.0					26.0
Task 4 30% Plans										
1	30% Plans									
X	Cover Sheet (1)		2.0		4.0					6.0
X	Design Baseline Horizontal Control Plan (4)		2.0	4.0	10.0					16.0
X	Roadway Sections (3)		2.0	2.0	8.0					12.0
X	Roadway/Stormwater Plan and Profile (12)		2.0	8.0	34.0					44.0
X	Paving Plans (12)		2.0	8.0	28.0					38.0
X	Pavement Markings (12)		2.0	8.0	28.0					38.0
X	Illumination sheets (6)		2.0	4.0	16.0					22.0
Subtotal Hours:			14.0	34.0	128.0					176.0
Task 5 30% Cost Estimate										
1	30% Cost Estimate		4.0	8.0	16.0					28.0
Subtotal Hours:			4.0	8.0	16.0					28.0
Task 6 30% Specifications										
1	List of all nonstandard items		1.0	1.0	4.0					6.0
Subtotal Hours:			1.0	1.0	4.0					6.0
Task 7 Basis of Design Report										
1	Draft Basis for Design Report	2.0	4.0	4.0	8.0					18.0
2	Draft Maximum Extent Feasible (MEF) documentation	2.0	2.0	4.0	8.0					16.0
Subtotal Hours:		4.0	6.0	8.0	16.0					34.0
Total Phase Hours:		12.0	51.0	127.0	332.0					522.0
Total Phase Direct Labor:		\$842.40	\$2,657.61	\$6,720.84	\$13,857.68					\$24,078.53
Phase 7 Environmental Permitting										
Task 1 SEPA Checklist Compliance										
1	Site Visit							4.0		4.0
2	Draft SEPA Checklist		4.0					32.0		36.0
3	Final SEPA Checklist		4.0					16.0		20.0
Subtotal Hours:			8.0					52.0		60.0
Task 5 Permitting										
1	NPDES Permit		4.0					2.0		6.0
Subtotal Hours:			4.0					2.0		6.0
Total Phase Hours:			12.0					54.0		66.0
Total Phase Direct Labor:			\$625.32					\$2,379.78		\$3,005.10
Phase 8 Utility Mapping										
Task 1 Utility Mapping										
1	Utility Mapping	1.0	8.0	4.0	16.0					29.0
2	Utility Conflict Technical Memorandum	1.0	8.0		4.0					13.0
3	Utility Purveyor Coordination	1.0	16.0							17.0



Consultant Labor Hour Estimate

SCJ Alliance

Client: City of Tumwater

Template Version: 8/17/2023

Project: 2nd Avenue Pedestrian and Bicycle Improvement

Contract Type: WSDOT

Job #: 23-000742

File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowswell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
Subtotal Hours:		3.0	32.0	4.0	20.0					59.0
Task 2	Utility Potholing									
1	Prepare an exhibit identifying proposed utility pothole locations	1.0	4.0		16.0					21.0
2	Coordinate with utility companies to have potholing done at proposed locations	1.0	8.0							9.0
3	Review pothole information	1.0	2.0	2.0	2.0					7.0
4	Incorporate pothole information		2.0		16.0					18.0
Subtotal Hours:		3.0	16.0	2.0	34.0					55.0
Total Phase Hours:		6.0	48.0	6.0	54.0					114.0
Total Phase Direct Labor:		\$421.20	\$2,501.28	\$317.52	\$2,253.96					\$5,493.96
Phase 9	60% Design									
Task 1	Comment Resolution									
1	Review 30% Comments	1.0	2.0	2.0	2.0					7.0
2	Comment Review Meeting	2.0	2.0	2.0	2.0					8.0
Subtotal Hours:		3.0	4.0	4.0	4.0					15.0
Task 2	Roadway									
1	Horizontal Layout		2.0	8.0	8.0					18.0
2	Vertical Layout:		2.0	8.0	8.0					18.0
3	Roadway Modeling		2.0	40.0	24.0					66.0
4	Technical Memorandum		2.0	8.0	8.0					18.0
Subtotal Hours:			8.0	64.0	48.0					120.0
Task 3	Stormwater									
1	Basin Analysis	1.0	1.0		4.0					6.0
2	Modeling	1.0	1.0		4.0					6.0
3	Layout		1.0		4.0					5.0
4	Draft Stormwater Site Plan	1.0	1.0		12.0					14.0
Subtotal Hours:		3.0	4.0		24.0					31.0
Task 4	60% Channelization and Signing									
1	Channelization and Signing		2.0	4.0	8.0					14.0
Subtotal Hours:			2.0	4.0	8.0					14.0
Task 5	Preliminary Maintenance of Traffic									
1	Maintenance of Traffic Concept	2.0	2.0	8.0	16.0					28.0
2	Technical Memorandum	1.0	2.0		8.0					11.0
Subtotal Hours:		3.0	4.0	8.0	24.0					39.0
Task 6	Illumination Design									
1	60% Lighting	1.0	1.0	4.0	8.0					14.0
Subtotal Hours:		1.0	1.0	4.0	8.0					14.0
Task 7	60% Plans									
1	60% Plan									
X	Cover Sheet (1)		1.0		1.0					2.0
X	Design Baseline Horizontal Control Plan (4)		1.0	1.0	1.0					3.0
X	Roadway Sections (3)		2.0	2.0	2.0					6.0
X	Removal Plan (12)		2.0	8.0	28.0					38.0
X	Temporary Erosion and Sediment Control Plan (12)		2.0	8.0	28.0					38.0
X	Temporary Erosion and Sediment Control Details (2)		1.0	1.0	2.0					4.0
X	Roadway/Stormwater Plan and Profile (12)		2.0	4.0	20.0					26.0
X	Stormwater Details (4)		2.0	2.0	10.0					14.0
X	Paving Plans (12)		2.0	4.0	20.0					26.0
X	Sidewalk Curb Ramp Details (13)		4.0	4.0	32.0					40.0
X	Paving Details (2)		1.0	1.0	2.0					4.0
X	Roundabout Center Island Details (2)		2.0	2.0	4.0					8.0



Consultant Labor Hour Estimate

SCJ Alliance

Client: City of Tumwater

Template Version: 8/17/2023

Project: 2nd Avenue Pedestrian and Bicycle Improvement

Contract Type: WSDOT

Job #: 23-000742

File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowswell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
X	Pavement Marking Plans (12)		1.0	4.0	20.0					25.0
X	Pavement Marking Details (2)		1.0	2.0	2.0					5.0
X	Signing Plans (12)		2.0	4.0	24.0					30.0
X	Signing Details (3)		2.0	4.0	8.0					14.0
X	Illumination Sheets (6)		1.0	4.0	4.0					9.0
x	Illumination Details (3)		1.0	2.0	2.0					5.0
x	Staging Plans (5)		2.0	8.0	16.0					26.0
x	Temporary Traffic Control Plans (5)		2.0	4.0	16.0					22.0
Subtotal Hours:			34.0	69.0	242.0					345.0
Task 8 60% Cost Estimate										
1	60% Cost Estimate		4.0	8.0	8.0					20.0
Subtotal Hours:			4.0	8.0	8.0					20.0
Task 9 60% Specifications										
1	60% Specifications		4.0		8.0					12.0
Subtotal Hours:			4.0		8.0					12.0
Task 10 Basis of Design										
1	Basis for Design Report		2.0	4.0	4.0					10.0
2	Maximum Extent Feasible (MEF)		2.0	4.0	4.0					10.0
Subtotal Hours:			4.0	8.0	8.0					20.0
Total Phase Hours:		10.0	69.0	169.0	382.0					630.0
Total Phase Direct Labor:		\$702.00	\$3,595.59	\$8,943.48	\$15,944.68					\$29,185.75
Phase 10 90% Design										
Task 1 Comment Resolution										
1	Review 60% Comments	2.0	2.0	2.0	2.0					8.0
2	Comment Review Meeting	2.0	2.0	2.0	2.0					8.0
Subtotal Hours:		4.0	4.0	4.0	4.0					16.0
Task 2 Roadway										
1	Horizontal Layout		2.0	4.0	4.0					10.0
2	Vertical Layout		2.0	4.0	4.0					10.0
Subtotal Hours:			4.0	8.0	8.0					20.0
Task 3 Stormwater										
1	Basin Analysis									
2	Modeling									
3	Layout				4.0					4.0
4	Draft Stormwater Site Plan		1.0		4.0					5.0
Subtotal Hours:			1.0		8.0					9.0
Task 4 90% Channelization and Signing Design										
1	Striping		2.0	8.0	4.0					14.0
2	Signing		2.0	8.0	4.0					14.0
Subtotal Hours:			4.0	16.0	8.0					28.0
Task 5 90% Maintenance of Traffic										
1	90% Maintenance of Traffic	2.0	2.0	4.0	8.0					16.0
Subtotal Hours:		2.0	2.0	4.0	8.0					16.0
Task 6 Illumination Design										
1	90% Lighting		1.0	4.0						5.0
Subtotal Hours:			1.0	4.0						5.0
Task 7 90% Plans										
1	90% Plans									
X	Cover Sheet (1)				1.0					1.0



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File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowsell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
X	Design Baseline Horizontal Control Plan (4)			1.0	1.0					2.0
X	Roadway Sections (3)			1.0	1.0					2.0
X	Removal Plan (12)		1.0	4.0	20.0					25.0
X	Temporary Erosion and Sediment Control Plan (12)		1.0	4.0	20.0					25.0
X	Temporary Erosion and Sediment Control Details (2)			1.0	1.0					2.0
X	Roadway/Stormwater Plan and Profile (12)		1.0	2.0	10.0					13.0
X	Stormwater Details (4)			1.0	2.0					3.0
X	Paving Plans (12)			2.0	10.0					12.0
X	Sidewalk Curb Ramp Details (13)		1.0	2.0	24.0					27.0
X	Paving Details (2)			1.0	1.0					2.0
X	Roundabout Center Island Details (2)			1.0	4.0					5.0
X	Pavement Marking Plans (12)			2.0	10.0					12.0
X	Pavement Marking Details (2)			1.0	1.0					2.0
X	Signing Plans (12)		1.0	4.0	20.0					25.0
X	Signing Details (3)			2.0	4.0					6.0
X	Illumination Sheets (6)			2.0	4.0					6.0
X	Illumination Details (3)			1.0	1.0					2.0
X	Staging Plans (5)		1.0	2.0	8.0					11.0
X	Temporary Traffic Control Plans (5)		1.0	2.0	8.0					11.0
Subtotal Hours:			7.0	36.0	151.0					194.0
Task 8 90% Cost Estimate										
1	90% Cost Estimate		1.0	2.0	4.0					7.0
Subtotal Hours:			1.0	2.0	4.0					7.0
Task 9 90% Specifications										
1	90% Specifications		4.0		8.0					12.0
Subtotal Hours:			4.0		8.0					12.0
Task 10 Constructability Review										
1	Perform Constructability Review		4.0	8.0	8.0	32.0				52.0
Subtotal Hours:			4.0	8.0	8.0	32.0				52.0
Task 11 Basis of Design Report										
1	Basis for Design Report		1.0	2.0	2.0					5.0
2	Maximum Extent Feasible (MEF)		1.0	2.0	2.0					5.0
Subtotal Hours:			2.0	4.0	4.0					369.0
Total Phase Hours:		6.0	34.0	86.0	211.0	32.0				369.0
Total Phase Direct Labor:		\$421.20	\$1,771.74	\$4,551.12	\$8,807.14	\$2,666.31				\$18,217.51
Phase 11 Final PS&E										
Task 1 Comment Response										
1	90% Comment Response	2.0	2.0	2.0	2.0					8.0
Subtotal Hours:		2.0	2.0	2.0	2.0					8.0
Task 2 Final Plans										
1	Final Plans									
X	Cover Sheet (1)			1.0	1.0					2.0
X	Design Baseline Horizontal Control Plan (4)			1.0	3.0					4.0
X	Roadway Sections (3)			1.0	2.0					3.0
X	Removal Plan (12)			2.0	10.0					12.0
X	Temporary Erosion and Sediment Control Plan (12)			2.0	10.0					12.0
X	Temporary Erosion and Sediment Control Details (2)			1.0	1.0					2.0
X	Roadway/Stormwater Plan and Profile (12)			2.0	10.0					12.0
X	Stormwater Details (4)			1.0	3.0					4.0
X	Paving Plans (12)			2.0	10.0					12.0



Consultant Labor Hour Estimate

SCJ Alliance

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Template Version: 8/17/2023

Project: 2nd Avenue Pedestrian and Bicycle Improvement

Contract Type: WSDOT

Job #: 23-000742

File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowswell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
X	Sidewalk Curb Ramp Details (13)		1.0	2.0	10.0					13.0
X	Paving Details (2)			1.0	1.0					2.0
X	Roundabout Center Island Details (2)			1.0	1.0					2.0
X	Pavement Marking Plans (12)			2.0	10.0					12.0
X	Pavement Marking Details (2)			1.0	1.0					2.0
X	Signing Plans (12)			2.0	10.0					12.0
X	Signing Details (3)			1.0	2.0					3.0
X	Illumination Sheets (6)			2.0	4.0					6.0
X	Illumination Details (3)			1.0	2.0					3.0
X	Staging Plans (5)		1.0	1.0	4.0					6.0
X	Temporary Traffic Control Plans (5)		1.0	1.0	4.0					6.0
Subtotal Hours:			3.0	28.0	99.0					130.0
Task 3 Final Cost Estimate										
1	Final Cost Estimate		2.0	2.0	2.0					6.0
Subtotal Hours:			2.0	2.0	2.0					6.0
Task 4 Final Specifications										
1	Final Specifications	2.0	2.0		2.0					6.0
Subtotal Hours:		2.0	2.0		2.0					6.0
Task 5 Final Stormwater Report										
1	Final Stormwater Report	2.0	2.0		4.0					8.0
Subtotal Hours:		2.0	2.0		4.0					8.0
Task 6 Final Basis for Design Report										
1	Basis for Design Report		2.0	2.0	2.0					6.0
2	Maximum Extent Feasible (MEF)		2.0	2.0	2.0					6.0
Subtotal Hours:			4.0	4.0	4.0					12.0
Total Phase Hours:		6.0	15.0	36.0	113.0					170.0
Total Phase Direct Labor:		\$421.20	\$781.65	\$1,905.12	\$4,716.62					\$7,824.59
Phase 12 Cultural Resources (Tierra)										
Phase 13 Schedule 74 Utility Coordination (Optional Future Work)										
Task 01 Area 1 – Schedule 74 Utility Coordination										
1	JUT Layout	4.0	12.0		32.0					48.0
2	PSE Utility Vaults		4.0		24.0					28.0
3	Telecommunications Vaults		4.0		16.0					20.0
Subtotal Hours:		4.0	20.0		72.0					96.0
Task 02 Area 2 – Schedule 74 Utility Coordination										
1	JUT Layout	4.0	12.0		32.0					48.0
2	PSE Utility Vaults		4.0		24.0					28.0
3	Telecommunications Vaults		4.0		16.0					20.0
Subtotal Hours:		4.0	20.0		72.0					96.0
Total Phase Hours:		8.0	40.0		144.0					192.0
Total Phase Direct Labor:		\$561.60	\$2,084.40		\$6,010.56					\$8,656.56
Phase 14 2nd Avenue Stormwater Desing (Optional Future Work)										
Task 1 Stormwater Modeling										
1	Modeling		2.0		16.0					18.0
2	Layout		2.0		8.0					10.0
3	Revise Stormwater Site Plan	2.0	2.0		8.0					12.0
4	Stormwater Meeting	2.0	2.0		2.0					6.0
Subtotal Hours:		4.0	8.0		34.0					46.0



Consultant Labor Hour Estimate

SCJ Alliance

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File Name: 23-000742_FEE_20240610.xlsm

		Patrick Holm	Sam Rowsell	Matt Weyrauch	Sam Dunn	Daniel Clark	Ryan Shea	Jacki Taylor	Mellisa Oum	
Phase & Task No.	Phase & Task Title	Principal	E4 Engineer	Senior Technician	E3 Engineer	Senior Project Manager	Senior Planner	P4 Planner	Project Accountant	Total Direct Labor Hours & Cost
Task 2	Revise Stormwater									
1	Revise Stormwater Modeling		2.0		8.0					10.0
2	Revise Layout		2.0		4.0					6.0
3	Revise Stormwater Site Plan		2.0		2.0					4.0
Subtotal Hours:			6.0		14.0					20.0
Task 3	60% Plans Sheets (Stormwater Facility Details)									
1	60% Plans (Stormwater Facility Details)									
x	Stormwater Facility Details (4 Sheets)			2.0	16.0					18.0
Subtotal Hours:				2.0	16.0					18.0
Task 4	90% Plans Sheets (Stormwater Facility Details)									
1	90% Plans (Stormwater Facility Details)									
x	Stormwater Facility Details (4 Sheets)			1.0	8.0					9.0
Subtotal Hours:				1.0	8.0					9.0
Task 5	Final Plans Sheets (Stormwater Facility Details)									
1	Final Plans (Stormwater Facility Details)									
x	Stormwater Facility Details (4 Sheets)			1.0	2.0					3.0
Subtotal Hours:				1.0	2.0					3.0
Total Phase Hours:		4.0	14.0	4.0	74.0					96.0
Total Phase Direct Labor:		\$280.80	\$729.54	\$211.68	\$3,088.76					\$4,310.78
Phase 15	GEOTECHNICAL INVESTIGATION AND REPORTING 2nd Ave – F St SW to B St SW (Sage) (OPTIONAL Future Work)									
Phase 16	GEOTECHNICAL INVESTIGATION AND REPORTING – 3rd St SW (Sage) (OPTIONAL Future Work)									
Total Hours All Phases		184.0	512.0	496.0	1,428.0	32.0	56.0	54.0	16.0	2,778.0
Total Direct Labor Estimate All Phases		\$12,916.80	\$26,680.32	\$26,248.32	\$59,604.72	\$2,666.31	\$2,949.35	\$2,379.78	\$730.77	\$134,176.37



Professional Land Surveyors
Where Sound Practice, Innovation and Client Service Collide

2320 Mottman Road SW, Suite 106, Tumwater, WA 98512
(360) 688-1949 • www.mtn2coast.com

Fee

M2C fee for completing the survey shall be lump sum as follows:

ROW Establishment	\$15,810 Lump Sum (If executed at same time)
Topographic Survey	\$24,820 Lump Sum
Utility Locator Service	\$5,800 Lump Sum
Twenty Title Reports	\$11,000 (\$500/report)

General Conditions

M2C's General Conditions of Contract, attached, are included as part of this Agreement for professional services. Please sign a copy of this letter and return to M2C as notice to proceed. Please feel free to contact me at Seth@mtn2coast.com or by phone at 360.688.1949 if you have any questions.

Best regards,
MTN2COAST, LLC

Seth E. Prigge, PLS
Survey Manager

Proposal and General Conditions of Contract Accepted
SCJ Alliance

Signature

Date: _____

Exhibit C

MTN2COAST, LLC Topographic Fee Proposal
 Prepared by: Kyle moorehead

5/8/2024

SCJ 2nd Ave Pedestrian Improvements

		Hours	Rate	Amount	
Topographic					
Tie Controlling monuments / Set Topo Control	2MC	16	\$ 200.00	\$ 3,200.00	
topographic mapping 2mc	2mc	46	\$ 200.00	\$ 9,200.00	
topographic mapping 1mc	1mc	34	\$ 140.00	\$ 4,760.00	
Analyze/Procces Topo Data combine row linework	SST	8	\$ 125.00	\$ 1,000.00	
Prepare Topographic / Map	ST	42	\$ 90.00	\$ 3,780.00	
LS Review	LS	16	\$ 180.00	\$ 2,880.00	\$ 24,820.00
Utility Locator Service	HR	0	\$ 145.00	\$ -	
Traffic Control	Lump Sum/day	0	\$ 3,500.00	\$ -	\$ -
Topographic Total					\$ 24,820.00

Boundary					
Research Boundary/Easements	LS	8	\$ 180.00	\$ 1,440.00	
Tie Monuments	2MC	28	\$ 200.00	\$ 5,600.00	
Prepare ROS	SST	24	\$ 125.00	\$ 3,000.00	
Process field data and drafting	ST	26	\$ 90.00	\$ 2,340.00	
Title reports	Lump sum		\$ 500.00	\$ -	
Recording Fee	Lump Sum	1	\$ 550.00	\$ 550.00	
LS Review	LS	16	\$ 180.00	\$ 2,880.00	
Boundary Total					\$ 15,810.00

Fee Topographic				\$ 24,820.00	
Fee Boundary				\$ 15,810.00	
Total Fee				\$ 40,630.00	

Land Surveyor	LS	180		
2 Person Crew	2MC	200		
Survey Technician	ST	90		

Senior Survey Tech (LSIT)	SST	125
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Exhibit C

Tumwater 2nd Avenue Pedestrian and Bicycle Improvements Project

Tierra Right of Way - HOURLY ESTIMATE

WORK ELEMENT	PM		Project Coordinator		Field Director		Editor		GIS Analyst		Total task cost	
Hourly rate	\$145.00		\$85.00		\$115.00		\$115.00		\$110.00			
Tasks												
1	PM, Tribal, Agency coordination	8	\$1,160.00	4	\$340.00						\$1,500.00	
2	Background Research					8	\$920.00				\$920.00	
3	Field Investigation					10	\$1,150.00				\$1,150.00	
4	Report Writing	4	\$580.00			40	\$4,600.00	8	\$920.00	5	\$550.00	
GRAND TOTAL		12	\$1,740.00	4	\$340.00	58	\$6,670.00	8	\$920.00	5	\$550.00	\$10,220.00

10200.00	Total hours
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Direct Expenses:	Rate	Units	Total
Mileage	\$0.67	140.0	94.00
Total Direct Expenses			94.00

Total Estimate 10294.00

**TABLE 1
BUDGET BREAKDOWN
2ND AVENUE PEDESTRIAN AND BICYCLE IMPROVEMENTS
TUMWATER, WASHINGTON**

Scope Items	Principal	Senior Project	Project Coordinator/ Controller	Totals	Total Labor Costs
Task 1 Geotechnical Engineering					
Management, Utility Locates, Subagreements, TCP, Water Meter, ROW Permit, Meeting		24	4	28	\$4,960
Drilling		20		20	\$3,600
Coring		14		14	\$2,520
Pilot Infiltration Test		10		10	\$1,800
Geotechnical Analysis and Draft and Final TM	5	30	2	37	\$6,770
Total Task 1	5	98	6	109	\$19,650
Rate by Position	\$210.00	\$180.00	\$160.00		
Total - Labor Cost	\$1,050	\$17,640	\$960	\$19,650	
DIRECT COSTS					
Flagging Services				\$4,350	
Drilling Subcontractor				\$10,750	
Excavator, Backflow Preventer, and Hoses for PIT				\$2,100	
Coring Services				\$2,240	
Private Locates				\$400	
Backflow Preventer				\$120	
ROW Permit				\$0	
Water Usage and Water Meter				\$200	
Laboratory Testing				\$2,850	
Field Equipment/Mileage				\$75	
Total - Direct Costs				\$23,085	
Total				\$42,735	

Phase 15 Geotechnical Investigation and Reporting - 2nd Ave - F St SW to B St SW

**TABLE 2
BUDGET BREAKDOWN
2ND AVENUE PEDESTRIAN AND BICYCLE IMPROVEMENTS--ADDITIONAL TASK 1
TUMWATER, WASHINGTON**

Scope Items	Principal	Senior Associate	Project Coordinator/ Controller	Totals	Total Labor Costs
Task 1 Geotechnical Engineering					
Management, Utility Locates, Subagreements, TCP, ROW Permit		12	4	16	\$2,800
Excavation or Drilling		12		12	\$2,160
Geotechnical Analysis and Draft and Final TM	5	15	2	22	\$4,070
Total Task 1	5	39	6	50	\$9,030
Rate by Position	\$210.00	\$180.00	\$160.00		
Total - Labor Cost	\$1,050	\$7,020	\$960	\$9,030	
DIRECT COSTS					
Road Sign Rental				\$75	
Excavator Subcontractor				\$2,200	
Private Locates				\$400	
ROW Permit				\$0	
Laboratory Testing				\$2,850	
Field Equipment/Mileage				\$75	
Total - Direct Costs				\$5,600	
Total				\$14,630	

Phase 16 Geotechnical Investigation and Reporting - 3rd St SW

**TABLE 3
BUDGET BREAKDOWN
2ND AVENUE PEDESTRIAN AND BICYCLE IMPROVEMENTS--ADDITIONAL TASK 2
TUMWATER, WASHINGTON**

Scope Items	Principal	Senior Associate	Project Coordinator/ Controller	Totals	Total Labor Costs
Task 1 Geotechnical Engineering					
Management, Utility Locates, Subagreements, ROW Permit		6	4	10	\$1,720
Drilling		6		6	\$1,080
Geotechnical Analysis and Draft and Final TM	2	10	2	14	\$2,540
Total Task 1	2	22	6	30	\$5,340
Rate by Position	\$210.00	\$180.00	\$160.00		
Total - Labor Cost	\$420	\$3,960	\$960	\$5,340	
DIRECT COSTS					
Road Sign Rental				\$75	
Drilling Subcontractor - 1 boring				\$3,500	
Private Locates				\$300	
ROW Permit				\$0	
Laboratory Testing				\$950	
Field Equipment/Mileage				\$75	
Total - Direct Costs				\$4,900	
Total				\$10,240	