



Ecological Restoration Design ~ Civil Engineering ~ Natural Resource Management

July 22, 2025

Becky Bucar
Town of Truckee
10183 Truckee Airport Road
Truckee, CA 96161

RE: Amendment 1 – Trout Creek Restoration – Reach 1 Phase 2 – Design Services through 65%

Ms. Bucar,

Per our recent discussions, Waterways is requesting a budget amendment for the Trout Creek Restoration – Reach 1 Phase 2 project. The amendment is being requested to include additional design for utility undergrounding and roadway design along Jibboom Street, which will be performed by our subconsultant, Acumen Engineering, and a small amount of additional administrative time for Waterways to coordinate the amendment.

The additional work was requested by the Town of Truckee at a field meeting held in late May. The additional scope of work and budget is summarized in the attached document (Attachment A) provided by Acumen. In addition, an updated budget is included (Attachment B) that summarizes the previous budget and the requested amount.

Current Approved Budget (through 65% Designs): \$198,831.50

Total Request under Amendment 1 = \$36,260.00

Total with Amendment 1 (through 65% Designs): \$235,091.60

Task #	Approved Contract Amount	Additional Budget Request	Proposed Contract Amount
1	\$16,900	\$1,110	\$18,010
2.1	\$33,900	\$0	\$33,900
2.2	\$19,000	\$22,250	\$41,250
2.3	\$28,650	\$12,900	\$41,550
3	\$18,280	\$0	\$18,280
4	\$6,020	\$0	\$6,020
Direct Ex.	\$76,081.50	\$0	\$76,081.50
Total	\$198,831.50	\$36,260	\$235,091.50

The additional work included in this amendment increases our Time and Materials, Not to Exceed Contract amount to \$235,091.60 from the original contract amount of \$198,831.50, dated February 27, 2025. If you need additional information to request the additional funds I would be happy to provide it.

Sincerely,

John Dvorsky
Waterways Consulting, Inc.
Principal Scientist / President



ATTACHMENT A

**PROPOSED BUDGET
AMENDMENT 1**



EXHIBIT B - ESTIMATED BUDGET FOR CONSULTING SERVICES (w/ Amendment 1)

7/21/2025

Client: Town of Truckee
Project Name: Trout Creek Restoration - Reach 1 Phase 2 - through 65% Design
Waterways Project No.: 08-663L

#	Task Description	Waterways					Acumen			Budget Allocation
		Principal Scientist	Principal Engineer	Senior Engineer	Staff Engineer-2	Hydrologist/Modeler	Principal Engineer	Engineer	Designer	
		(Dvorsky)	(Weld)	(Hofeld)	(Hutchinson)	(Lovrin)				
		\$185	\$200	\$170	\$155	\$150	\$200	\$175	\$150	
1a	Project Administration and Coordination - original	60	12	20						\$16,900
1b	Project Administration and Coordination - amendment	6								\$1,110
2	Revised Engineering Drawings and BOD Report (Permit Set - Single Phase)									
2.1	Trout Creek Restoration and Crossings (Waterways Lead)	40	28	50	80					\$33,900
2.2a	Geometry and Layout (Acumen Lead) - original						65		40	\$19,000
2.2b	Geometry and Layout (Acumen Lead) - amendment						52		79	\$22,250
2.3a	Underground Utilities (Acumen Lead) - original						18	90	62	\$28,650
2.3b	Underground Utilities (Acumen Lead) - amendment							48	30	\$12,900
3	Hydraulic Analysis	12	4	28		70				\$18,280
4	Permit and Grant Application Support	22		6	6					\$6,020
\$159,010.00										
Optional Future Tasks (Final Design and Construction Phase)										
5	Draft and Final Plans Specs and Estimates - 2 Phases									
5.1	Trout Creek Restoration and Crossings (Waterways Lead)	16	24	70	90					\$33,610
5.2	Final Underground and Striping Plans						65	65	105	\$40,125
6	Preparation of SWPPP	2	6	18	34					\$9,900
7	Assistance with Bid Process		16	18	10		31	5	27	\$18,935
8	Construction Phase Services	50	90	24	8		24	24	12	\$43,370
9	Record Drawings		4	14	20		3	6	40	\$13,930
\$159,870.00										

Direct Expenses (through 65% Design)		Allocation
Waterways Direct Expenses (Travel, field supplies, etc)		\$2,040.00
Structural Subconsultant (Streeter Group)		\$20,000.00
Survey Subconsultant (Bear Engineering)		\$20,000.00
Geotechnical Engineering (NV5)		\$5,000.00
Electrical Subconsultant (JP Engineering)		\$13,125.00
Revegetation and Irrigation Subconsultant (ECI)		\$9,000.00
10% Service Charge		\$6,916.50
Subtotal		\$76,081.50

Direct Expenses (Final Design and Construction Phase)		
Waterways Direct Expenses (Travel, field supplies, etc)		\$8,260.00
Structural Subconsultant (Streeter Group)		\$13,000.00
Survey Subconsultant (Bear Engineering)		\$6,000.00
Geotechnical Engineering (NV5)		\$10,000.00
Revegetation and Irrigation Subconsultant (ECI)		\$6,000.00
10% Service Charge		\$4,326.00
Subtotal		\$47,586.00

Total (through 65% Design) - Original	\$198,831.50
Amendment Total	\$36,260.00
Total (through 65% Design) - with Amendment	\$235,091.50
Total (Optional Task Items)	\$207,456.00



ATTACHMENT B

**ACUMEN SCOPE OF WORK AND BUDGET
AMENDMENT 1**

ACUMEN

ENGINEERING, LLC

June 25, 2025

Project #: 25002

John Dvorsky, MS
MS Principal Scientist
Waterways Consulting, Inc.
1020 SW Taylor St, Suite 610
Portland, OR 97205

RE: TROUT CREEK REACH 1B RESTORATION PROJECT ADDITIONAL SERVICES

Dear John,

During our last field walk with Waterways and the Town of Truckee, the Town requested additional services including removing three utility poles and undergrounding overhead CaTV and AT&T lines on Jibboom Street from Bridge Street to the east side of Trout Creek Way. This also includes undergrounding an overhead CaTV from the north side of Jibboom Street to Jibboom Street, undergrounding a service from the Jibboom pole line to the south and relocating the transformer on the southwest corner of the existing Jibboom structure. In addition, the roadway, curb, gutter and sidewalk on both sides of the roadway will be designed from Bridge Street curb returns to the inlet on the northeast side of the proposed Jibboom Street structure and the inlet on the northeast side of the structure will be tied into the structure. The Town would like to explore moving the connection of Jibboom Street and Trout Creek Way to the west to decrease the elevation of the connection point and therefore decrease the slope of Trout Creek Way. The Town would also like to look at completing the pedestrian connection from the Jibboom structure along Trout Creek to School Street and a vehicle barrier using a moment slab connected to the north wall of the restored Trout Creek or other options. The pedestrian connection and vehicle barrier may or may not be constructed with this project.

Scope of Work

Task 1 – Undergrounding Overhead Utilities Additional Work

Acumen will coordinate with AT&T, and Altice to underground the CaTV and AT&T lines on Jibboom Street from Bridge Street to the east side of Trout Creek Way, from the north side of Jibboom Street to Jibboom Street and the service connection to 10019 E Jibboom / 10069 Bridge Street. The service connection will be coordinated with the utilities and the property owner to determine the best route. We will coordinate with TDPUD Electric to relocate the transformer on the southwest corner of the existing Jibboom Street structure because it is in the path of the proposed sidewalk connection to the Jibboom Street Bridge. The number of conduits, depth and approximate location of underground utilities from the pole on the northeast side of Trout Creek and within Jibboom Street will be determined to ensure the Jibboom Street structure is designed to accommodate all existing and proposed utilities. In addition, we will coordinate with TDPUD Water to determine if any future sleeves or connections should be installed in Jibboom Street or School Street across Trout Creek. Due to undergrounding the overhead utilities on Jibboom Street, it is anticipated that AT&T may also have changes to facilities on Bridge Street which will require coordination and design.

CARSON OFFICE
ph: (775) 843-5626
djenkins@acumenengr.com

TRUCKEE OFFICE
ph: (530) 550-8068
bquesnelengineer@gmail.com

Additional potholing will be required to determine horizontal and vertical location of the sewer north of the Jibboom Structure under the flow line of Trout Creek; the gas line and the TDPUD Electric trench in Jibboom Street. There may be additional utilities that would require potholing and we are anticipating three additional locations. Potholing is expected to include notifying USA DIG for utility locates along Jibboom St, Trout Creek Road and School Street; and mapping the locates on the plans. We assume Town staff and equipment will be available to perform the potholing with our staff determining the pothole locations and recording the depth, utility provider, pipe type and pipe diameter at each location.

Additional Fee - \$12,900

Deliverables – Permit level dry utility plan sheets, specifications, cost estimates

Task 2 – Geometry and Layout Additional Work

Acumen will prepare plan and profile sheets for Jibboom Street and Trout Creek Way from Bridge Street east to the School Street structure. Jibboom Street will be a consistent width from Bridge Street across the Jibboom Street Bridge. On the north side, curb or curb and gutter will be installed and will terminate at the inlet on the northeast side of the existing Jibboom structure. The inlet will be removed and replaced and tied to the structure. On the south side, between the Jibboom Street Bridge and Bridge Street the roadway will be regraded as necessary to accommodate the proposed bridge structure, ensure adequate drainage, remove and replace curb, gutter and sidewalk and install new drainage inlet if necessary and tie to the structure. Acumen will attend meetings with the Town and Brewery owner to discuss improvements adjacent to Brewery on Jibboom Street such as eliminating the driveway between Jibboom and Bridge Streets.

On the southeast side of the Jibboom Structure, the connection of Jibboom Street and Trout Creek Way will be moved to the west, if possible, to decrease the elevation of the connection point and therefore decrease the slope of Trout Creek Way. A pedestrian connection from the Jibboom structure along Trout Creek to School Street and a vehicle barrier using a moment slab connected to the north wall of the restored Trout Creek or other options will also be explored. Acumen will attend meetings with the Town and Brewery owner to discuss improvements adjacent to Brewery on Jibboom Street.

Acumen will prepare a centerline plan and profile of the area on Jibboom Street and Trout Creek Way and cross sections of the Jibboom Street Bridge and School Street structure. The profiles and cross sections will show the existing and proposed grades, the existing and proposed structures, and the existing and proposed utilities.

Additional Fee - \$22,250

Deliverables – Permit level roadway plans, signing and striping plans, specifications and cost estimate

Task 3 – 90% Jibboom Street/Trout Creek Road and Utility Plans Additional Work

Acumen will prepare 90% roadway and utility plans for Jibboom Street and Trout Creek Road from Bridge Street east to the School Street structure for the additional work discussed in Tasks 1 and 2.

Additional Fee - \$19,625

Deliverables – Jibboom Street and Trout Creek Road 90% and Final roadway, utility and sign and striping plans, specifications and cost estimate

Task 4 Bidding – No change to scope of work and cost.

Task 5 Construction Support – Additional work

With the additional scope, we have estimated an additional hour a week in the field for Acumen engineers and a couple more hours for a staff designer.

Additional Fee - \$2,700

Task 6 Record Drawings – No change to scope of work and cost.

Engineering Fees

Acumen proposes to complete the service outlined in this proposal on a time and materials not-to-exceed basis as shown below:

Description	Budget
Task 1 – Undergrounding Utilities	\$41,775
Underground Utilities and Potholing Additional Work	\$12,900
Task 1 Total	\$54,675
Task 2 – Geometry and Layout	\$19,000
Geometry and Layout Additional Work	\$22,250
Task 2 Total	\$41,250
PHASE 1 TOTAL	\$95,925
Task 3 – 90% & Final Underground and Signing and Striping Plans (*Future Task)	\$40,125
90% & Final Roadway and Utility Plans for Jibboom St and Trout Creek Rd	\$19,625
Task 3 Subtotal	\$59,750
Task 4 – Bidding (*Future Task)	\$11,125
Task 4 Subtotal	\$11,125
Task 5 – Construction Support (*Future Task)	\$10,800
Construction Support Additional work	\$2,700
Task 5 Subtotal	\$13,500
Task 6 – Record Drawings (*Future Task)	\$7,650
Task 6 Subtotal	\$7,650
FUTURE PHASE 2 TOTAL	\$92,025
PROJECT TOTAL	\$187,950

The estimated not-to-exceed amount would not be surpassed without your written authorization. Additional work outside the above the outlined scope of work shall be billed according to the billing rates shown below.

Billing Rates

Principal Engineer	\$200
Engineer	\$175
Designer	\$150
Intern	\$120

Rates may increase 3.5% per year for the life of the contract.

Subconsultant markup is 5%.

All permit fees are to be paid by the Town.

We appreciate the opportunity to provide this work and hope to continue this mutually beneficial relationship in the future. Please contact me at (775) 843-5626 if you have any questions or require additional information.

Sincerely,

ACUMEN ENGINEERING, LLC

A handwritten signature in black ink, appearing to read "Debbie Davis Jenkins".

Debbie Davis Jenkins, P.E.

President

CA PE C57235

Attachments: Trout Creek Phase 1B Manhours Additional Work

Trout Creek Phase 1B Manhours Additional Work



Task Descriptions	\$ 200.00 Principal	\$ 175.00 Engineer	\$ 150.00 Designer	JP Eng w/ 5% markup	Total	Phase / Project Total
Task 1 - Underground Utilities Bridge St, E St and School Street						
Coordinate with TDPUD Power, AT&T and Optimum						
coordinate with property owners		24		4		
coordinate with utility, check status		25		4		
review comments		10		20		
Total Hours	0	59		28		
Fee Subtotal	\$ -	\$ 10,325.00	\$ 4,200.00		\$ 14,525.00	
Coordinate with SW Gas						
Coordinate with property owner		5		4		
coordinate with utility, check status		4				
apply for new service		4		2		
Total Hours	0	13		6		
Fee Subtotal	\$ -	\$ 2,275.00	\$ 900.00		\$ 3,175.00	
Coordination with Town and other regarding street lights						
Street light coordination 5 locations		4		4		
Coordination with Vendors for lighting levels		10		2		
TDPUD Elec permit for meter		4		2		
Total Hours	18			8		
Fee Subtotal	\$ 3,600.00	\$ 3,150.00	\$ 1,200.00		\$ 7,950.00	
65% Permit Level PS&E						
Permit Level PS&E		18		20		
Electrical Engineering				\$ 13,125.00		
Total Hours	0	18		20		
Fee Subtotal	\$ -	\$ 3,150.00	\$ 3,000.00	\$ 13,125.00	\$ 19,275.00	
Total Hours	18	90	62			
Task 1 Fee Total	\$ 3,600.00	\$ 15,750.00	\$ 9,300.00	\$ 13,125.00	\$ 41,775.00	
Task 1 -Additional Work Underground Utilities Jibboom St						
Coordinate w/ TDPUD Elec & Water, Power, AT&T, Altice & SW Gas		12				
preliminary engineering		12		16		
review comments		10		10		
Potholing		14		4		
Total Hours	0	48		30		
Task 1 Add Work -Fee Total	\$ -	\$ 8,400.00	\$ 4,500.00		\$ 12,900.00	
Task 1 Total Fee					\$ 54,675.00	

Trout Creek Phase 1B Manhours Additional Work



Task Descriptions	\$ 200.00 Principal	\$ 175.00 Engineer	\$ 150.00 Designer	JP Eng w/ 5% markup	Total	Phase / Project Total
Task 2 - Geometry and Layout						
Rec Center Parking Options	15			5		
Head-in Parking Options	15			5		
Jibboom and School Geometry Options	15			5		
Sign and Striping Review	5			5		
65% Permit Level PS&E	15			20		
Total Hours	65	0	40			
Task 2 Fee Total	\$ 13,000.00	\$ -	\$ 6,000.00		\$ 19,000.00	
Task 2- Additional Work Jibboob St & Trout Creek Rd Design						
Jibboom and Trout Creek Rd Grading	6			12		
Jibboom St Grading P&P Sheets (1 at 20 scale)	5			8		
Trout Creek RD P&P Sheets (1 at 20 scale) w/ped options	5			8		
Street Cross Sections (1 at 20 scale)	5			8		
Sign and Striping Plan and Plan 1 @ 20 scale	2			4		
Details 3 sheets	4			16		
Coordination of moment slab/rail pedestrian connection	15			8		
65% Permit Level PS&E	10			15		
Total Hours	52	0	79			
Task 2 Add Work Fee Total	\$ 10,400.00	\$ -	\$ 11,850.00		\$ 22,250.00	
Task 2 Total Fee					\$ 41,250.00	
PHASE 1 TOTAL						\$ 95,925.00
Task 3 90% and Final Underground and Striping Plans						
90% PS&E	10	10	30			
Final PS&E and bid package	10	10	25			
specs, cost est and quantities	30	30	20			
Separate Plans into two phases	15	15	30			
Total Hours	65	65	105			
Fee Total	\$ 13,000.00	\$ 11,375.00	\$ 15,750.00		\$ 40,125.00	
Task 3 90% & Final Underground & Striping Plans Additional Work						
90% Jibboom Street / Trout Creek Road Plans	25	15	80			
Total Hours	25	15	80			
Fee Total	\$ 5,000.00	\$ 2,625.00	\$ 12,000.00		\$ 19,625.00	
Task 2 Total Fee					\$ 59,750.00	

Trout Creek Phase 1B Manhours Additional Work



Task Descriptions	\$ 200.00 Principal	\$ 175.00 Engineer	\$ 150.00 Designer	JP Eng w/ 5% markup	Total	Phase / Project Total
Task 4 - Bidding						
Help prepare pre-bid materials		1		1	2	
Pre-bid meeting w/ project site walk		4		4		
Prepare Addenda and answer questions		14			15	
Prepare conformed drawings		12			10	
Total Hours		31		5	27	
Fee Total	\$ 6,200.00	\$ 875.00	\$ 4,050.00		\$ 11,125.00	
Task 5 - Construction Support						
5 hrs a week for 3 months and 2 hrs for drafting		30		30	15	
Total Hours		30		30	15	
Fee Total	\$ 6,000.00	\$ 5,250.00	\$ 2,250.00		\$ 13,500.00	
Task 6 - Record Drawings						
		3		6	40	
Total Hours		3		6	40	
Fee Total	\$ 600.00	\$ 1,050.00	\$ 6,000.00		\$ 7,650.00	
PHASE 2 TOTAL						\$ 92,025.00
PROJECT TOTAL						\$ 187,950.00