

Welcome to tonight's City Council meeting!

The elected officials of the City of Bonners Ferry appreciate an involved constituency. Testimony from the public is encouraged for items listed under the Public Hearing portion of the agenda. Any individual may address the council on any issue, whether on the agenda or not, during the Public Comments period. Individuals addressing the Mayor and Council during Public Comment should refrain from using that time to address the performance of or to make complaints about a specific employee. Public participation during the business portion of the meeting will generally not be allowed, with the discretion left to the Mayor and Council. Special accommodation to see, hear, or participate in the public meeting should be made at City Hall within two days of the public meeting.

Vision Statement

Bonnors Ferry, "The Friendliest City", strives to achieve balanced growth, builds on community strengths, respects natural resources, promotes excellence in Government, and values quality of life. We are a city that welcomes all people.

AGENDA CITY COUNCIL MEETING Bonnors Ferry City Hall 7232 Main St 267-3105 February 18, 2025 6:00 pm

Join video Zoom meeting: <https://us02web.zoom.us/j/176727634>

Meeting ID: 176727634

Join by phone: 253-215-8782

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS

Each speaker will be allowed a maximum of three minutes, unless repeat testimony is requested by the Mayor/Council.

GUEST

Megan Smith with iii-A presenting the annual report

REPORTS

Police/Fire/City Engineer-Administrator/Urban Renewal District/SPOT/Golf/EDC

CONSENT AGENDA – {action item}

1. Call to Order/Roll Call
2. Approval of Bills and Payroll

NEW BUSINESS

3. **PLANNING AND ZONING- (action)** [attachment]- Consider adoption of amendment to Title 9, Building Regulations, regarding adjustments to snow loads, addition of ice barrier requirements and adjustments to design criteria for manufactured and mobile homes.
4. **SEWER- (action)** [attachment]- Consider approval of construction phase contract with Welch Comer, Amendment 2, Task Order 23-01.

ADJOURNMENT

Those who wish to address City Council during the council meetings are encouraged to adhere to the guidelines below.

Public Comment Guidelines:

Speakers are encouraged to:

- State their name and city of residence.
- Focus comments on matters within the purview of the City Council.
- Limit comments to three (3) minutes or less.
- Those who wish to speak should sign up on the sheet provided by the Clerk.
- Practice civility and courtesy.
- City leaders have the right and the responsibility to maintain order and decorum during the meeting.
- Time may be curtailed for those speakers whose comments are disruptive in nature.
- Refrain from comments on issues involving matters currently pending before the City's Planning and Zoning Commission or other matters that require legal due process, including public hearings, City enforcement actions, and pending City personnel disciplinary matters.
- Comments that pertain to activities or performance of individual City employees should be shared directly with the employee's supervisor or with the Mayor and should not be the subject of public comment.



RUEN-YEAGER & ASSOCIATES, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS

MEMO

To: Bonners Ferry City Council, Bonners Ferry Mayor, and Bonners Ferry City Administrator/PE
From: Clare Marley, AICP, City Planner
Date: February 12, 2025
Re: **Snow Load & Ice Barrier Standards Ordinance Amendment, Public Hearing February 18, 2025**

Title 9, Chapter 1A, Building Regulations:

For several decades, Bonners Ferry has been using a ground snow load standard of 94 pounds per square foot for its residential building standards (Title 9, Chapter 1A of Bonners Ferry City Code (BFCC)).

Idaho Division of Occupational and Professional Licenses (DOPL), who contracts with the city to review building permits, recently advised city staff that all residential one- and two-family structures are required to have engineered plans because the city has a ground snow load standard of 94 pounds per square foot. Any jurisdictional standard of 70 pounds per square foot or greater of ground snow load requires engineered building plans for residential one- and two-family structures and townhouses, according to the Idaho Residential Code. DOPL recently brought this to the city's attention and required the newest permits for residential dwellings include engineered plans. There are five residential permits applications pending as a result of this determination.

DOPL explained to city staff that this standard may have been overlooked for some time by building plan reviewers, and the city will need to either require the engineered plans or revisit the 94-pound per square foot standard. As a result, the city re-examined the basis for the snow load and is proposing an amendment to the residential snow load criteria to reduce the ground snow load to 68 pounds per square foot, but keep a minimum roof snow load of 70 pounds per square foot as an extra measure of protection.

The proposal to adjust the minimum snow loads for one- and two-family residential dwelling units and townhouses not greater than three stories is a result of discussions with the DOPL, city engineers, and contract planners.

The ground snow load Bonners Ferry currently uses for its residential design standards is greater than the ground snow load determined by the University of Idaho (UI) 2015 study for the Bonners Ferry area. The UI study reflects a ground snow load of 68 pounds per square foot for Bonners Ferry at a study elevation of 1,895 feet above sea level. (Copy of pertinent portion of UI study attached.) Elevations for the city, according to the U.S. Topographic overlay, shows elevations at the river to be 1,749 feet and portions of undeveloped hillside ranging above 2,000 feet. The UI maintains an interactive web map of Idaho's ground snow loads, and shows the ground snow loads for the higher elevations of Bonners Ferry ranging up to 79 pounds per square foot. Keeping a roof snow load of 70 pounds per square foot adds a measure of safety because the adopted ground snow load is used to factor roof loading. This 70 pound standard is also applied to manufactured homes in the ordinance update.

The current city code is missing a determination in its residential standards section on whether an ice barrier is required for newly constructed residence. The city engineer/administrator advises the ice barrier underlayment is necessary for homes in this region. The requirement is consistent with other regional jurisdictions with building codes.

A draft of the proposed ordinance amendment and ordinance summary are attached to this memo. The draft has been submitted to the city attorney and DOPL for review and comment. As proposed, the ordinance would:

- Substitute a ground snow load of 94 pounds per square foot with 68 pounds and add a minimum roof snow load of 70 pounds per square foot. This also will cover any potential residential building within the higher elevations of the City.
- Amend Table R301.2(1) with a new footnote encompassing the one-and two-family dwellings and townhouses with the minimum 70 pounds per square foot snow load.
- Consolidate subsection 4 to include a requirement for manufactured and mobile homes to meet the minimum snow load rating of 70 pounds per square foot or provide protective covering meeting the snow load standard.
- Remove the “Trailer Court Snow Removal Program” from the code, which would waive the snow load requirements if the city approved a program to shovel snow off the roofs. This has been suggested as inappropriate because safety and effectiveness of the program cannot be ensured.

Process to approve:

Consideration of the building code standards is not required to follow hearing procedures of the Land Use Planning Act. The decision to amend the building codes rests with the City Council and does not require a separate hearing before the Planning and Zoning Commission.

Attachments: UI study excerpts, draft ordinance, draft ordinance summary

SUGGESTED MOTION TO DISPENSE WITH THE RULES AND APPROVE:

I move to dispense with the rules for reading the ordinance on three different days and call for one reading of the proposed ordinance by title alone, pursuant to Idaho Code §50-902. (Roll call vote)

I move to adopt Ordinance # 620, an amendment to Bonners Ferry City Code, Title 9, Chapter 1, regarding Building Regulations, revising the residential snow load and ice barrier standards, and authorizing the publication of the ordinance summary in accord with Idaho Code §50-901A. (Roll call vote)

**SUMMARY FOR PUBLICATION
CITY OF BONNERS FERRY ORDINANCE NO. 620
REGARDING AMENDMENT TO BONNERS FERRY CITY CODE
TITLE 9, BUILDING REGULATIONS
RESIDENTIAL SNOW LOAD AND ICE BARRIER STANDARDS**

Pursuant to Idaho Code Section 50-901A, the City of Bonners Ferry, Idaho hereby gives notice of the adoption of City of Bonners Ferry Ordinance No. 620 adopted on February 18, 2025. The full title of the ordinance is:

An ordinance of the City Of Bonners Ferry, a municipal corporation of the State Of Idaho, amending Bonners Ferry City Code, Title 9, Building Regulations, Section 9-1A-2, to revise snow load standards and ice barrier standards for one- and two-family residential dwellings, certain townhouses, and manufactured homes, and to provide severability, and an effective date.

The amendment to Bonners Ferry City Code, Title 9: reduces the ground snow load from 94 pounds per square foot to 68 pounds per square foot for residential dwellings within the scope of the Idaho Residential Code; sets a minimum roof snow load of 70 pounds per square foot; adds a requirement for ice barrier underlayment; establishes that manufactured or mobile homes be constructed to the 70-pound per square foot snow load or provide a protective covering meeting the 70 pound snow load; and removes a “trailer courts snow removal program” waiver.

The full text of Ordinance No. 620 is available at Bonners Ferry City Hall, 7232 Main Street, Bonners Ferry, Idaho 83805, during regular business hours.

City of Bonners Ferry, Idaho

ATTEST/DATED:

Rick Alonzo, Mayor

Deborah Garcia, City Clerk

City Attorney Statement Pursuant to Idaho Code Section 50-901A(3)

I, Andrakay Pluid, duly appointed City Attorney for the City of Bonners Ferry, Idaho, certify that the above summary is true and complete and provides adequate notice to the public.

Dated:_____

ORDINANCE NO. 620

AN AMENDMENT TO TITLE 9, BUILDING REGULATIONS

BONNERS FERRY CITY CODE

SHORT TITLE: RESIDENTIAL SNOW LOAD & ICE BARRIER STANDARDS

AN ORDINANCE OF THE CITY OF BONNERS FERRY, A MUNICIPAL CORPORATION OF THE STATE OF IDAHO, AMENDING BONNERS FERRY CITY CODE, TITLE 9, BUILDING REGULATIONS, SECTION 9-1A-2, TO REVISE SNOW LOAD STANDARDS AND ICE BARRIER STANDARDS FOR ONE- AND TWO-FAMILY RESIDENTIAL DWELLINGS, CERTAIN TOWNHOUSES, AND MANUFACTURED HOMES, AND TO PROVIDE SEVERABILITY, AND AN EFFECTIVE DATE.

WHEREAS, the City of Bonners Ferry, Idaho, has adopted and does enforce building codes and regulations within its city limits; and

WHEREAS, Idaho Code, Title 39, Chapter 41, “The Idaho Building Code Act,” authorizes local governments to adopt and enforce building codes; and

WHEREAS, Idaho Code §39-4116(4)(c)(iii) allows jurisdictions to amend the Idaho Residential Code to reflect local concerns for design criteria contained in Part III, Building Planning and Construction, Section R 301, Design Criteria of the Idaho Residential Code; and

WHEREAS, the University of Idaho published the “Ground Snow Loads for Idaho 2015 Edition,” providing snow loads for the area immediately surrounding Bonners Ferry; and

WHEREAS, the City of Bonners Ferry desires to amend standards within its Building Regulations, Title 9, Chapter 1A of Bonners Ferry City Code, for one- and two-family residential dwellings, manufactured homes, and certain townhouses, based on snow load data and elevations applicable to the Bonners Ferry area contained in the latest University of Idaho snow load study, while taking into account the unique environmental and weather features of the area; and

WHEREAS, the current design standards did not address ice barrier standards, which the City of Bonners Ferry wishes to include in its building regulations; and

WHEREAS, the Bonners Ferry City Council considered this ordinance and on its first and only reading and dispensed with the rules for reading the ordinance on three different days and called for one reading of the proposed ordinance by title alone, pursuant to Idaho Code §50-902.

NOW THEREFORE, be it ordained by the Mayor and the Council of the City of Bonners Ferry, Idaho, as follows:

SECTION 1: ADOPTION:

Underline = new text to be added; ~~Strikeout~~ = text to be removed

Title 9, "Building Regulations" of Bonners Ferry City Code, Section 9-1A-2, Paragraph A, is hereby amended to read as follows:

9-1A-2: AMENDMENTS TO ADOPTED CODES:

- A. The following sections of the International Residential Code and the Idaho Residential Code are hereby revised:
1. Section R101.1: Insert "city of Bonners Ferry."
 2. Table R301.2: Insert:
 - a. Ground snow load = ~~94~~ 68 pounds per square foot, Minimum Roof Snow Load = 70 pounds per square foot.
 - b. Wind speed = 90 mph
 - c. Seismic design category = C
 - d. Weathering = Severe
 - e. Frost line depth = 24 inches
 - f. Termite = None to slight
 - g. Decay = None
 - h. Winter design temp = -10 degrees Fahrenheit
 - i. Ice Barrier Underlayment Required: YES
 3. Table R301.2(1), footnotes: Insert ~~I.~~ New Footnote: "Regardless of construction design standards as outlined in this chapter, one and two family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height shall not be constructed for less than ~~fifty (50)~~ seventy (70) pounds per square foot snow load." live load. (snow load)."
 4. Table R301.2(1), footnotes: Insert ~~J.~~ New Footnote: "Manufactured homes shall be constructed for a minimum snow load of not less than seventy (70) pounds per square foot. Manufactured homes not meeting this standard are required to have additional protective covering of not less than seventy (70) pounds per square foot snow load."
 4. Table R301.2(1), footnotes: ~~Insert "J. Manufactured housing shall be constructed for a minimum roof live load (snow loads) of thirty (30) pounds per square foot subject to the following:~~

~~— a. Manufactured homes with a snow load rating of fifty (50) pounds per square foot shall not be required to have additional protective covering; or~~
~~— b. Trailer Courts Snow Removal Program: Trailer courts with trailers rating between thirty (30) pounds per square foot, but less than fifty (50) pounds per square foot, may have a snow removal program in lieu of section (3) above if said program falls within the guidelines of the city and is approved by the city planning and zoning.~~

SECTION 2: PROVISIONS SEVERABLE: The provisions of this Ordinance are hereby declared to be severable and if any provision of this Ordinance or application of such provision to any person or circumstance is declared invalid for any reason, such declaration shall not affect the validity of remaining portions of this Ordinance.

SECTION 3: EFFECTIVE DATE: This ordinance shall be effective upon its passage and publication in the manner provided by law.

APPROVED by the Mayor and City Council of the City of Bonners Ferry, Idaho, this 18th day of February, 2025.

This ordinance passed under suspension of rules and duly enacted as an ordinance of the City of Bonners Ferry, Idaho, on this 18th day of February, 2025, upon the following roll call vote:

ROLL CALL:

Council President Arthur _____

Council Member Poston _____

Council Member Thompson _____

Council Member Smith _____

CITY OF BONNERS FERRY, IDAHO

BY: _____
Mayor Rick Alonzo

Attest:

Deborah Garcia, Clerk, City of Bonners Ferry, Idaho

APPROVAL OF ORDINANCE SUMMARY

Publication of this ordinance by summary in the official newspaper is hereby approved by the

Bonnors Ferry City Council on this 18th day of February, 2025, upon the following vote:

Council President Arthur _____

Council Member Poston _____

Council Member Thompson _____

Council Member Smith _____

CITY OF BONNERS FERRY, IDAHO

BY: _____
Mayor Rick Alonzo

Attest:

Deborah Garcia, Clerk, City of Bonners Ferry, Idaho



MEMO

CITY OF BONNERS FERRY
CITY ENGINEER/ADMIN

TO: Mayor and City Council

FROM: Mike Klaus, City Engineer/Admin

DATE: February 13, 2025

RE: Lift Station #5 – Contract Amendment with Welch-Comer For Construction Phase Services

Welch Comer has provided an amendment to an existing Task Order 23-01 for completing construction phase services for the Lift Station #5 replacement. This work includes construction observation, construction staking, geotechnical testing special inspections, start-up, and record drawings for the project. The contract amendment is for a total of \$186,000, which will bring the entire task order total to \$315,000 if approved.

The attached amendment is currently being modified to work out some exact legal language with respect to the limitation of engineer's liability. All other features should remain the same. I will bring the revised version to the council meeting.

I recommend that the City Council approve Amendment No. 2, of Task Order 23-01 with Welch Comer Engineers for Lift Station #5 construction phase services for \$186,000, contingent upon the City Attorney's approval.

Please contact me with any questions you may have.

Thank you,

Mike

EXHIBIT C—AMENDMENT TO MAIN AGREEMENT

AMENDMENT TO MAIN AGREEMENT

Amendment No. 2 to Task Order 23-01

Owner: **City of Bonners Ferry**
Engineer: **Welch Comer & Associates, Inc.**
Effective Date of Agreement: **May 16, 2023**
Nature of Amendment:

- Modifications to responsibilities of Owner
- Modifications of payment to Engineer
- Modifications of Provisions

Description of Modifications:

A. Construction Phase Services:

- Prepare conformed construction documents to incorporate plan and specification changes made via addenda.
- Attend Pre-Construction meeting with Owner and Contractor.
- Conduct bi-weekly on-site construction meetings [assumes eight (8) meetings].
- Answer Contractor questions during construction.
- Review and track Contractor submittals.
- Prepare Contractor progress payment requests and CDBG funding reimbursement requests.
- Track actual pay quantities.
- Conduct substantial completion walk-through with Contractor and Owner.
- Provide punchlist of outstanding items.
- Conduct final completion and other applicable project closeout requirements.
- Attend monthly Council meetings to provide project updates and present Contractor Progress Pay Requests. Assumes virtual attendance for five (5) meetings.

B. Construction Observation (Resident Project Representative-RPR)

- Provide Resident Project Representative to visit site during construction of improvements.
- Review approved submittals and verify that onsite materials meet the contract specifications.
- Engineer's representative will visit site a minimum of 20 hours per week during construction (assumed 16 weeks) or as directed by the Owner. It is assumed that construction observation is not required during material lead-time.

C. Construction Staking:

- Sewer Line: Staking will be O/S hub and lath with reference to the design alignment of the waterline and the design invert elevation of the pipe. Staking will include all pertinent fixtures to include, but not limited to, tees, bends, valves, air release assemblies, and any design vertical changes in the profile.
- Structures: The Meter Vault, Wet Well, Drywell, 2 Manholes, and Overflow Basin will be staked with horizontal and vertical offsets suitable for construction. Vertical data will only be staked where shown on the design plans.
- Electrical and Miscellaneous Structures: Set hub and lath at offsets suitable for construction based on existing site conditions.
- V Ditch, Gravel Driveway, Gravel Surface area, Culverts, Swales and Lay Back area: Set hub and lath at offsets suitable for construction based on existing site conditions.

D. Geotechnical Material Testing and Special Inspections:

- Attend pre-construction meeting with Owner and Contractor.
- Provide qualified field professionals to perform in-place soil moisture and density testing services.
- Provide qualified field professionals to sample on-site and imported materials used for structural fill and/or backfill and conduct laboratory testing.
- Provide qualified field professionals to conduct reinforced concrete special inspections, concrete field and laboratory testing.
- RPR will coordinate with geotechnical subconsultant for inspections.
- Engineer will review inspection reports and coordinate with Owner and Contractor for any deficiencies identified.

E. Post Construction Phase:

- Prepare Record Drawings and submit record drawings to Idaho Department of Environmental Quality.
- Prepare project-specific Operation and Maintenance Manual.
- Attend start-up and training with Owner [one (1) day].
- Assist Owner and observe apparent defects, make recommendations as to replacement, correction, or need to repair any damage.
- Visit project site one (1) month prior to the end of the construction contract's correction period to ascertain whether any portion of the Work is defective and requires correction.
- Post Construction Phase will terminate twelve (12) months after the commencement of the construction contract's correction period.

Assumptions:

- Active construction period (requiring RPR inspection) is anticipated to be 16 weeks. Total contract consists of approximately 36 weeks, including material lead time.
- Project funding is City reserves and CDBG grant funds, administered through PAC.
- Geotechnical: anticipate 19 site visits [14 for earthwork testing and five (5) for concrete testing. Additional site visits or tests may be added through additional services. Additional site visits or tests due to Contractor's workmanship are excluded and will be reimbursed by Contractor.
- A Stormwater Pollution Prevention Plan is excluded as the project does not drain to Waters of the U.S.

Payment to Engineer

A. Owner shall pay Engineer for Services as follows:

Category of Services	Total Compensation for Services	Compensation Method
Construction Phase Services	\$ 77,000	Lump Sum
Construction RPR	\$ 57,500	Hourly Not to Exceed
Construction Staking	\$ 11,500	Lump Sum
Geotechnical Material Testing and Special Inspections	\$ 28,500	Hourly Not to Exceed
Post Construction Phase	\$ 11,500	Lump Sum
Total	\$186,000	

- The lump sum amount will be billed monthly for Engineer's Services as a portion of the total compensation, and will be based upon Engineer's estimate of the percentage of the total Services actually completed during the billing period.
- An amount equal to the cumulative hours charged to the Project by each class of Engineer's employees times standard hourly rates for each applicable billing class, plus reimbursement of expenses incurred in connection with providing the Services and Engineer's consultants' charges, if any.
- Engineer may alter the distribution of compensation between individual hourly phases of the work to be consistent with services actually rendered, but shall not exceed the total hourly estimated compensation amount unless approved in writing by Owner.
- Engineer may alter the distribution of compensation between individual lump sum phases of the work to be consistent with services actually rendered, but shall not exceed the total lump sum estimated compensation amount unless approved in writing by Owner.

- Engineer's Standard Hourly Rate is attached as Appendix 1.
- Engineer's Reimbursable Expense Schedule is attached as Appendix 2.

Limitation of Engineer's Liability

A. Engineer's Liability Limited to Amount of Insurance Proceeds: Engineer shall procure and maintain insurance as required by and set forth in Exhibit G to this Agreement. Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by Laws and Regulations, the total liability, in the aggregate, of Engineer and Engineer's officers, directors, members, partners, agents, employees, Subconsultants, and Engineer's Subcontractors to Owner and anyone claiming by, through, or under Owner for any and all claims, losses, costs, or damages whatsoever (including but not limited to direct, indirect, special, incidental, punitive, exemplary, or consequential damages) arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability, breach of contract, indemnity obligations, or warranty express or implied, of Engineer or Engineer's officers, directors, members, partners, agents, employees, Subconsultants, or Engineer's Subcontractors (hereafter "Owner's Claims"), will be limited to (1) responsibility for payment of all or the applicable portion of any deductibles, either directly to the Engineer's insurers or in settlement or satisfaction, in whole or in part, of Owner's Claims, and (2) total insurance proceeds paid on behalf of or to Engineer by Engineer's insurers in settlement or satisfaction of Owner's Claims under the terms and conditions of Engineer's applicable insurance policies up to the amount of insurance required under this Agreement.

Task Order Summary (Reference only)

- A. Original Task Order amount: \$ 25,300
- B. Net change for prior amendments: \$103,700
- C. This amendment amount: \$186,000
- D. Adjusted Task Order amount: \$315,000

Owner and Engineer hereby agree to modify the above-referenced Main Agreement as set forth in this Amendment. The Effective Date of the Amendment is _____.

<p>Owner <u>City of Bonners Ferry</u> (typed or printed name of organization)</p> <p>By: _____ (individual's signature)</p> <p>(Attach evidence of authority to sign.)</p> <p>Date: _____ (date signed)</p> <p>Name: <u>Rick Alonzo</u> (typed or printed)</p> <p>Title: <u>Mayor</u> (typed or printed)</p>	<p>Engineer <u>Welch Comer & Associates, Inc.</u> (typed or printed name of organization)</p> <p>By: <u><i>Necia Maiani</i></u> (individual's signature)</p> <p>(Attach evidence of authority to sign.)</p> <p>Date: <u>02/12/2025</u> (date signed)</p> <p>Name: <u>Necia Maiani, P.E.</u> (typed or printed)</p> <p>Title: <u>Vice President</u> (typed or printed)</p> <p>PM Approval: <u>AMW</u></p>
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APPENDIX 1: STANDARD HOURLY RATES SCHEDULE

A. Standard Hourly Rates

1. Standard Hourly Rates are set forth in this Appendix 2 and include salaries and wages paid to personnel in each billing class plus the cost of customary and statutory benefits, general and administrative overhead, non-project operating costs, and operating margin or profit.
2. The Standard Hourly Rates apply only as specified in the Agreement and the governing Task Order.
3. The Standard Hourly Rates are subject to annual adjustment.

B. Schedule: Hourly rates for services performed on or after the date of the Agreement are:

Special Services	\$ 275.00/hour
Special Services – Accounting	\$ 182.00/hour
Expert Witness	\$ 300.00/hour
Public Involvement Specialist	\$ 125.00/hour
Principal Engineer III	\$ 300.00/hour
Principal Engineer II	\$ 295.00/hour
Principal Engineer I	\$ 290.00/hour
Construction Services Manager	\$ 245.00/hour
Sr. Project Manager	\$ 230.00/hour
Project Manager	\$ 205.00/hour
Engineer VII	\$ 270.00/hour
Engineer VI	\$ 205.00/hour
Engineer V	\$ 195.00/hour
Engineer IV	\$ 180.00/hour
Engineer III	\$ 160.00/hour
Engineer II	\$ 150.00/hour
Engineer I	\$ 140.00/hour
Engineering Assistant	\$ 80.00/hour
Sr. Engineer Tech III	\$ 145.00/hour
Sr. Engineer Tech II	\$ 140.00/hour
Sr. Engineer Tech I	\$ 125.00/hour
Engineering Technician	\$ 115.00/hour
Environmental Scientist	\$ 130.00/hour
Survey Manager	\$ 250.00/hour
Professional Land Surveyor II	\$ 200.00/hour
Professional Land Surveyor I	\$ 195.00/hour
Crew Chief II	\$ 135.00/hour
Crew Chief I	\$ 130.00/hour
Crew Member	\$ 115.00/hour
Survey Technician II	\$ 130.00/hour
Survey Technician I	\$ 125.00/hour
GIS Manager	\$ 160.00/hour
GIS Technician II	\$ 125.00/hour
GIS Technician I	\$ 110.00/hour
Engineering Designer I	\$ 150.00/hour
Cad Technician IV	\$ 140.00/hour
Cad Technician III	\$ 120.00/hour
Cad Technician II	\$ 115.00/hour
Cad Technician I	\$ 110.00/hour
Sr. Project Administrator	\$ 125.00/hour
Project Administrator	\$ 105.00/hour
Sr. Administrative Assistant	\$ 85.00/hour
Administrative Assistant	\$ 73.00/hour
No Charge Services	\$ 0.00/hour

APPENDIX 1: REIMBURSABLE EXPENSES SCHEDULE

Reimbursable Expenses are subject to review and adjustment on an annual basis. Rates and charges for Reimbursable Expenses as of the Effective Date of the Main Agreement are:

Letter/Legal Size Copies/Impressions (B/W)8"x11"	\$0.10/page\$ [Enter Cost]/page
Double Sided Letter & Legal Size Copies/Impressions (B/W)Copies of Drawings	\$0.13/page\$ [Enter Cost]/sq. ft.
Double Sided Letter & Legal Size Copies/Impressions (Color)Mileage (auto)	\$0.99/page\$ [Enter Cost]/mile
Ledger Size Copies/Impressions (B/W)Air Transportation	\$0.20/pageat cost
Double Sided Ledger Size Copies/Impressions (B/W)Laboratory Testing	\$0.25/pageat cost
Double Sided Ledger Size Copies/Impressions (Color)Health and Safety Level D	\$1.03/page\$ [Enter Cost]/day
Cardstock Copies/Impressions (B/W)Health and Safety Level C	\$0.31/page\$ [Enter Cost]/day
Letter/Legal Cardstock Copies/Impressions (Color)Meals and Lodging	\$0.99/pageat cost
Ledger Size Copies/Impressions (Color)	\$1.98/page
Color Transparency	\$2.49/page
Plot on Paper B&W (18" x 24")	\$0.90/sheet
Plot on Paper Color (18" x 24")	\$4.50/sheet
Plot on Paper B&W (18" x 27 ")	\$0.90/sheet
Plot on Paper Color (18" x 27 ")	\$4.50/sheet
Plot on Photo Paper/Mylar (18" x 27")	\$8.25/sheet
Plot on Paper B&W (22" x 34")	\$1.80/sheet
Plot on Paper Color (22" x 34")	\$9.00/sheet
Plot on Paper B&W (22" x 36")	\$1.80/sheet
Plot on Paper Color (22" x 36")	\$9.00/sheet
Plot on Paper B&W (24" x 36")	\$1.80/sheet
Plot on Paper Color (24" x 36")	\$9.00/sheet
Plot on Paper B&W (30" x 42")	\$2.70/sheet
Plot on Paper Color (30" x 42")	\$13.50/Sheet
Plot on Paper B&W (34" x 44")	\$3.30/sheet
Plot on Paper Color (34" x 44")	\$16.50/sheet
Plot on Paper B&W (36" x 48")	\$3.60/sheet
Plot on Paper Color (36" x 48")	\$18.00/sheet
Plot on Paper B&W (36" x 120")	\$9.00/sheet
Plot on Paper Color (36" x 120")	\$45.00/sheet
Mileage (auto)	Per Federal Rate
UAV Flight	\$75/each
GPS Per Hour Billing	\$35.00/hour
GPS Per Hour Billing – Base and Rover	\$70.00/hour
Mobile Lidar Scanner	\$1,500/hr
Navvis Iviion Cloud Processing	\$0.50/foot
Robotics Hourly Billing – 1 Man	\$70.00/hour
Digital Level	\$15.00/hour
Water Pressure Recorder	\$35.00/day
Meals and Lodging	Per Diem Rate
Pix4D Survey Software	\$450.00/each
Topo Feature Extraction Software	\$30.00/hour