

Haines Borough

Professional Design & Engineering Services Dec 2020 Flood

AGREEMENT BETWEEN OWNER AND CONTRACTOR

This Agreement is effective May 18, 2021 and is between the Haines Borough, a municipal corporation organized under the laws of the State of Alaska with its principal place of business at 103 Third Avenue S., Haines, Alaska 99827 ("the Borough") and proHNS, LLC, a company with its place of business at 1945 Alex Holden Way #101, Juneau, Alaska, 99801 ("the Contractor"). The Borough and the Contractor are sometimes collectively referred to as "Parties."

The Parties agree as set forth below.

Article I - Contract Documents

1.1 The Contract Documents consist of this Agreement, change orders and associated documents.

Article II - The Work

2.1 The Contractor shall provide professional engineering and design services for Haines Borough in support of the December 2020 Flood Event to perform survey, permitting, design, and construction administration & inspection (CA&I) to Borough roads that have been listed on our Preliminary Damage Assessment (PDA) submitted to Federal Emergency Management Association (FEMA) per the attached proposal.

2.2 The Contractor is responsible for being aware of and complying with all applicable local, state, and federal laws.

Article III - Time of Commencement and Contract Term

3.1 The work to be performed under this Contract shall be commenced within ten (10) calendar days of receipt by the Contractor of this contract, and subject to authorized adjustments, all work shall be achieved not later than December 31, 2022.

Article IV - Cost of the Work

4.1 The Contractor agrees to submit periodic invoices for work performed, and the Borough agrees to pay the Contractor for the full amount and subject to authorized adjustments for an amount not to exceed \$595,488.00.

Article V - Changes in the Work

5.1 The Borough may make changes in the work as provided in the Contract Documents. The Contractor may be reimbursed for changes in the work on the basis of negotiations between the Borough and the Contractor. The Contractor may be reasonably compensated for profit and overhead on changed work items.

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Article VII - Subcontracts and Other Agreements

7.1 The Borough shall be notified in advance by the Contractor of any work being contemplated for assignment to any sub-contractors and shall approve such tasks being contemplated prior to commencement of any sub-contractor work. The Borough reserves the right to reject or modify any sub-contract assignments, through direction to the Contractor.

7.2 All subcontracts shall conform to the requirements of the Contract Documents.

Article VIII - Insurance

8.1 The Contractor and all sub-contractors shall maintain the following types of insurance coverage when appropriate:

- a) General Liability
- b) Worker's Compensation, as appropriate under State Law
- c) Automobile Liability
- d) E & O (Errors & Omissions) Insurance

8.2 The Contractor is responsible for ensuring the Borough receives updated insurance annually.

Article IX - Payments to the Contractor

9.1 The Contractor may submit periodic payment requests for work performed during the contract period. The Borough shall review the Contractor's payment requests and, subject to that review, promptly recommend the amount for payment. Such amount shall be payable by the Borough according to its regular accounts payable schedule. Final payment for the work shall be handled in the same manner.

Article X - Termination of Contract

10.1 The Borough retains the right to terminate the contract at any time for any reason, at the convenience of the Borough. If the Borough terminates the contract, it shall reimburse the contractor for any unpaid cost of the work to date of termination. The Borough shall also pay to the contractor fair compensation, either by purchase or rental, for any equipment retained. The Borough shall further assume and become liable for obligations, commitments and unsettled claims that the contractor has previously undertaken or incurred in good faith in connection with the work. The Contractor shall assign all interests or rights as the Borough may require for the purpose of vesting in the Borough the rights and benefits of the Contractor under such obligations or commitments.

Article XI - Miscellaneous Provisions

11.1 The Borough's representative under this agreement shall be the Borough Manager.



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This Agreement entered into as of the day and year first written above.

HAINES BOROUGH

Alekka Fullerton
Interim Borough Manager

Date Signed 5/18/21

CONTRACTOR

Garret Gladsjo, PE
proHNS, LLC

Date Signed 5/24/2021



April 15, 2021

Carolann Wooton
Contract and Grants Administrator
Haines Borough
PO Box 1209
Haines, AK 99827

RE: HB21-02 - Haines Borough Flood Damage - Engineering Design and Construction Support

Dear Selection Committee Members,

Thank you for considering our proposal to support Haines in rebuilding its road, drainage, and utility infrastructure following the devastating December 2020 storm. Our proposed leads for this project – proHNS Principal Engineer Garret Gladsjo, PE, and Project Engineer Ethan Roemeling, PE – flew to Haines on Dec. 8 to visit the affected sites, evaluate damage, and develop preliminary cost estimates for permanent repairs. We are intimately familiar with the scope of services required for each project site described in the Request for Proposal (RFP) and understand where the Haines Borough currently stands in its pursuit of disaster relief funding.

Given our familiarity with the numerous project sites, our experience designing and inspecting projects of similar scope, and our established relationships with Haines Borough staff and local stakeholders, we feel proHNS is positioned to provide you with high quality, responsive, and economically efficient engineering design and construction support services. While we are fully confident in proHNS staff's ability to complete the scope of engineering services identified in the RFP, we have elected to partner with two key subconsultants – DOWL and Takshanuk Watershed Council – to bolster the depth of resources our collective team can offer.

DOWL will provide topographic and boundary surveying services for all sites, as well as permitting for in-water work at three of the listed sites. They can be called upon to provide additional design services when needed, and to lead the National Environmental Policy Act (NEPA) permitting process if required by federal funding partners. DOWL also brings an extensive knowledge of Federal Emergency Management Agency (FEMA) compliance and Public Assistance (PA) program support to the table. Their staff have worked as technical assistance contractors for FEMA's PA program and as Hazard Mitigation Specialists during the 2018 Southcentral Alaska earthquake. If desired, DOWL can assist the Haines Borough in coordinating with the Alaska DHS&EM and FEMA PA to help the Borough obtain the maximum grant funds entitled under the Stafford Act and FEMA policies. Correctly adhering to the FEMA policy regarding Consensus-Based Codes and Standards (CBC&S) under §1235(b) of DRRRA will ensure the Borough obtains all funds necessary to restore infrastructure to pre-disaster conditions.

Haines-based nonprofit Takshanuk Watershed Council will provide boots on the ground data collection, including drainage basin and tributary mapping for some of the sites identified in the RFP. Takshanuk has performed these same tasks and more on a variety of Haines projects, including the Comstock Road Culvert Reconstruction, Mink Creek Barrier Removal and Stream Restoration, Cannery Creek Culvert Replacement, and Chestnut Drive Culvert Replacement. Of note, the aforementioned culverts showed no significant signs of damage following the December storm event.

If selected for this opportunity, proHNS Principal Engineer Garret Gladsjo will be the Borough's primary point of contact and Contract/Project Manager for all services required by the RFP. He is currently responsible for managing, designing, and directing all proHNS services and staff working on Haines-based projects, regardless of whether those projects are for private clients or the Haines Borough. Garret will oversee all cost and schedule controls, set project milestones, perform quality assurance/quality control for deliverables, and coordinate with all team members, subconsultants, and key stakeholders. Garret always works with the client's best interests in mind and believes himself personally responsible for continuing to support the Haines community through these trying times.



Familiarity with Haines Construction

proHNS has managed, designed, and/or inspected more than a dozen public infrastructure construction projects in Haines over the past 5+ years. We also have been a part of many local construction projects for private clients, including residential properties, septic systems, resource development, subdivisions, and roadway pioneering. Our local experiences have given us a strong understanding of the challenges many projects in Haines face. For example, we know most on-site conventional septic systems need to utilize a “mound system” for their drain fields due to shallow bedrock and a high groundwater table. We know Borough water lines must have a minimum burial depth of six feet to ensure protection against freezing, and that HDPE water pipe is becoming the preferred alternative in lieu of PVC pipe for public projects. We’ve seen how the cost of asphalt paving and concrete construction has significantly increased over the last five years in Haines, and recognize that these types of costs may need to be mitigated through economical design strategies.

Not only are we familiar with the physical terrain, subsurface conditions, and local material sources of Haines, our staff have navigated the logistical challenges of Haines construction. Mobilizing resources efficiently often requires multiple forms of transportation, including barges, small aircraft, AMHS ferry service that can be sporadic and unpredictable, and trucking through a currently closed U.S./Canada border. Barge schedules for Haines and how those schedules impact material procurement need to be monitored, including prioritizing some submittal reviews based on Seattle departure schedules. On a national scale, we are closely following how COVID-19, a boom in residential construction, and weather-related disasters in Texas have affected material supply chains. These factors must be considered when selecting materials that can be mobilized in a timely manner for your projects.

Our established rapport with local contractors and work crews (including Southeast Road Builders, which performed much of the temporary repair work after the December storm) allow us to openly communicate and get ahead of any potential disputes. During the design process, we proactively coordinate with local utilities (Alaska Power & Telephone and Haines Cable TV) to review as-builts and secure locates for all underground lines in the hopes of minimizing surprises during construction. If unexpected AP&T or Haines Cable TV infrastructure is encountered during construction, we have their numbers on speed dial to quickly define the risk and solve any problems without delaying the project.

Even though proHNS is your local engineering firm, our team has participated in the construction of more than three dozen infrastructure repair, rehabilitation, or improvement projects throughout Southeast Alaska since 2015. Those projects have included the construction of highways and local streets, sewer and water utilities, storm drainage systems and culverts, bridges and fish passage pipes, retaining walls and marine facilities, airports and public buildings, and much more. Our team not only offers local expertise, but expertise in all facets of construction that will be employed across the sites listed in this RFP. Several of our Haines construction projects are listed in our “Experience with Similar Projects” section, but others include:

Haines Airport Pavement and Drainage Improvements

Services Provided: Construction Management

Construction: 2017-2018

Working on behalf of the Contractor, proHNS staff provided construction management services for this DOT&PF project that rehabilitated the general aviation apron, two taxiways, the airport access road, and several airport lease lots. Roles we filled for the Contractor included Project Engineer, SWPPP Manager, Traffic Control Supervisor, and Quality Control Plan Administrator. Our field staff were responsible for preparing and tracking contractor submittals, maintaining the project schedule, coordinating with utility companies, directing prime and subcontractor field crews, reviewing change orders and progress payments, issuing public updates, preparing traffic control plans, performing SWPPP inspections and reporting, and performing pavement inspection and quality control testing.



Klehini River Bridge Transfer

Services Provided: Construction Management *Construction:* 2016-2018

proHNS provided construction management services on behalf of the Contractor for this DOT&PF bridge replacement at 26 Mile Haines Highway. Work included constructing a temporary work access across the Klehini River to allow the new structure to be built while the existing bridge remained in use. The proHNS Project Engineer oversaw all on-site operations on behalf of the Contractor, developed and implemented a traffic control plan allowing continued flow across the bridge during construction, performed hydraulic analysis for fish passage, oversaw temporary water use permits, managed a slew of environmental commitments, and monitored the construction site for compliance with site-specific safety plans. proHNS also performed pavement inspections and quality control testing using a PQI 380 non-nuclear densometer to monitor mat densities, worked with AK DOT&PF representatives to perform SWPPP inspections, and ensured materials incorporated into the work met the specification requirements and the approved Quality Control Plan.



Haines Harbor Expansion Phase I

Services Provided: Marine Mammal Monitoring and Inspection *Construction:* 2018

This \$14 million Haines Borough project involved installing a new steel wave barrier, expanding the parking area by placing imported borrow and fill gathered from marine dredging, armoring the fill slope, and installing new storm drain systems. Our engineering staff assisted with SWPPP inspections, ensuring all erosion and sediment control measures were compliant with the Alaska Construction General Permit. Our team of Marine Mammal Observers monitored the area for humpback whales and Steller sea lions during all in-water work to fulfill the requirements of a National Marine Fisheries Service permit. We hired our entire Marine Mammal Observation team locally, employing more than a half-dozen Haines residents.



FAA Road Water Main Extension

Services Provided: Design and Inspection *Construction:* 2017

proHNS designed and prepared construction plans to extend water service from FAA Road to the end of Bear Trail Lane. Originally scoped to reach only two residential lots, proHNS redesigned the project at the Borough's direction to extend the proposed 8-inch diameter PVC water main a total of 810 linear feet to all seven residential lots on Bear Trail Lane. Design elements for this project included developing and delivering plan and profile sheets for the proposed alignment, topographic survey, standard details for water services and valves, and a water system pressure analysis with an Engineer's design report. proHNS also performed construction inspection services to ensure the project was constructed according to all plans and specifications.



Klukwan Water Storage Tank Replacement

Services Provided: Inspection and Quality Control Construction: 2017

proHNS staff provided inspection and materials testing services for this project that replaced the Village of Klukwan's dilapidated water storage tank with a new 120,000-gallon bolted steel tank. We brought on a qualified Haines resident to monitor the placement of backfill, inspect the installation of epoxy rebar anchors, and test concrete used for the tank's foundation, ensuring these activities fully complied with the manufacturer's plans and specifications. proHNS staff also worked closely with representatives of the funding agency (the Alaska Native Tribal Health Consortium) to guarantee full funding participation for the project.



Chilkat Valley Preschool

Services Provided: Design Construction: 2017

proHNS provided project management, civil design, drafting, and permitting support to the Chilkat Valley Preschool nonprofit for this addition to the Haines Senior Center. The project created a new space for the nonprofit Chilkat Valley Preschool, previously housed in the Haines Borough's aging and dilapidated Human Resources Building. We drafted the plan set and subsequently managed the architectural, structural, mechanical, and electrical teams required for project approval. The grassroots fundraising effort organized by local parents and other residents inspired us to donate services to this project that will positively impact future generations.



Tower Road Water Tank Roof Replacement

Services Provided: Design and Inspection Construction: 2016

For this Haines Borough project, proHNS staff designed a new impermeable roof membrane system to replace the failing timber and shingle roof. A major component of our work was review and acceptance of the membrane's installation specifications. Our staff worked extensively with the Alaska Department of Environmental Conservation (DEC) to navigate the permitting hurdles of constructing a new non-standard roof system for an aging water tower while adhering to NSF/ANSI 61 drinking water requirements. This project was successfully constructed in the summer of 2016 without need for a change order or notable cost overruns.



Septic Systems, Home Inspections, and Miscellaneous Private Work

Services Provided: Design and Inspection Construction: Varies

In addition to our larger public projects, proHNS staff provide engineering and technical services for private-owner projects in Haines. These services have included septic system designs and installation inspections, soil investigations, home inspections, foundation inspections, water quality sampling, and other professional advice. While each of these private projects may be smaller in scope, they've afforded our team opportunities to get to know many in the Haines community, as well as learn about the unique conditions of Haines areas and neighborhoods.

Knowledge of Haines Borough Infrastructure

proHNS knows the value of historical information, which is why we foster relationships with those who have the most intimate knowledge of Haines Borough infrastructure. That not only includes Water/Sewer Plant Supervisor Dennis Durr, but Durr’s predecessor, Scott Bradford, who worked in Haines Borough water/sewer operations for more than three decades. We utilize Scott on an on-call basis to assist with our utility design and inspection projects in Haines, and repeatedly tapped his historic knowledge of Haines utilities during the Small Tracts/Mud Bay/Third Avenue and Front Street AC Pipe Replacement projects, among others.

We are not only familiar with much of the Haines Borough’s existing road and utility infrastructure, we are fluent in the sections of Haines Borough Code (HBC) that dictate how new infrastructure must be designed and constructed. For example, proHNS recently reviewed the existing municipal drainage code requirements for the Haines Borough, analyzed the drainage codes for several other Alaska communities, and submitted a proposed amendment to HBC code establishing requirements for new construction based on hydraulic analysis, return storm events, and facility risk. The Planning Commission is currently considering the proposed amendment and has formed a working group to further refine our recommendations.



Scott Bradford, working for proHNS, helps the SERB Superintendent locate water valves on Front Street.

Regarding the specific infrastructure described in the RFP, our team flew to Haines about a week after the December storm event to document and prioritize infrastructure damages for repair. Over the course of two days, they visited nearly every site listed in the RFP, taking photos, dyeing flows to identify drainage patterns, and gathering other data. They have since worked with Haines Borough representatives Ed Coffland, Carolann Wooton, and representatives from the Chilkoot Indian Association to assist with cost accounting for use in disaster relief applications to FEMA and the Federal Highways Administration ERFO program. Having already visited the sites and armed with a strong understanding of the goals for these projects, proHNS is ready to hit the ground running and immediately begin designing permanent repairs.

Photos taken during our team’s Dec. 8-9 post-storm visit: (1) proHNS Project Engineer Ethan Roemeling, PE, examines a damaged culvert on Cathedral View Drive. (2) Our team used non-toxic green dye to map drainage from the storm-debris blocked culvert headwall at the top of Young Road to its outlet near Picture Point. (3) We witnessed firsthand many of the emergency repairs in action, including SERB’s temporary culvert repair work on Hooter Lane.





Experience with Similar Projects

proHNS has designed and inspected many Haines Borough road and utility reconstruction projects over the past several years, including those detailed in the “Familiarity with Haines Construction” section. Our team also regularly performs design and/or inspection for roadway, drainage, and utility reconstruction projects in Juneau and for the State of Alaska Department of Transportation & Public Facilities. Notable similar projects and services we provided include:

Project: Douglas 4th St. Improvements **Client:** City & Borough of Juneau **Location:** Juneau, AK
Services Provided: Design **Construction Cost:** Est. \$1.7 million **Completed:** Est. Summer 2021

This project included engineering design for water system improvements, replacement of the 72-inch Bear Creek culvert, concrete headwalls, and gravel surface street repairs that are very similar to the work that will be required for Anway, Moose, and Sunshine Drainages, Cathedral View Drive and Hooter Lane, Chilkoot Loop Retaining Wall, and Piedad Road. The project, which proHNS completed design for in March 2021, will replace multiple underground water transmission and distribution pipe networks with new 10” and 14” HDPE pipe, water services, and hydrants. Work will also include installation of temporary water systems to maintain service to the high pressure transmission network between PRVs, and temporary water systems to maintain service to affected residents; replacement of the existing sewer systems; replacement of an existing CMP culvert and concrete headwalls with a new 84” diameter x 130’ long SRPE pipe culvert and new concrete headwalls; a new underground storm drain system; and grading and shaping of the existing unpaved road’s surface and resurfacing with RAP material.

Project: Small Tracts/Mud Bay/3rd Ave Improvements **Client:** Haines Borough **Location:** Haines, AK
Services Provided: Design and CA/I **Construction Cost:** \$2.1 million **Completed:** 2020

proHNS provided engineering design and construction support services for water system replacement, street repairs, and sidewalk construction on this Haines Borough project that are very similar to the work that will be required for Young Road, Cathedral View Drive, and Hooter Lane. In addition to installing a new water main, sewer services, water services, hydrants, and valves, the project also repaired the road base and pavement. As the project was partially funded by an ADEC Drinking Water Fund loan, our role included ensuring work adhered to all state and federal requirements (American Iron and Steel, Davis-Bacon, etc.) so as not to jeopardize funding. This project also required extensive coordination with local utility managers during the design and construction phases.



Project: Meander Way Streambank Stabilizations **Client:** 9 Private Residents **Location:** Juneau, AK
Services Provided: Design and As-Builting **Construction Cost:** ~\$50,000/lot **Completed:** 2020



Due to recent flooding caused by outbursts of a lake dammed by Juneau’s Mendenhall Glacier, private homeowners along the Mendenhall River experienced erosion of their riverbank and loss of their backyards. In addition to performing stabilization design for each of the nine properties, we navigated permit requirements and worked with a subcontracted surveyor to complete work in a timely manner for property owners affected by these flooding events. We also completed and submitted permits to four agencies (Alaska Department of Fish and Game, Department of Natural Resources, Army Corps. of Engineers, and the City and Borough of Juneau) on behalf of each client. The engineering design and permitting services for these bank stabilizations are similar to those that will be required for the Porcupine Trail project.

Project: Savikko Road Improvements **Client:** City & Borough of Juneau **Location:** Juneau, AK
Services Provided: Design and CA/I **Construction Cost:** ~\$940,000 **Completed:** 2020

proHNS designed and inspected this project that replaced 1,500 feet of failing water main, reconstructed the road base and pavement, upgraded drainage, reconstructed the existing asphalt sidewalk, and installed several ADA-compliant curb ramps. The services we provided for this project are very similar to those that will be required for Young Road and Soap Suds Alley/Tower Road. When we designed the improvements, there was no information available for the depth of existing electrical conduits, and our team subsequently designed a storm drain system that was revealed to directly conflict with an existing conduit. After immediately analyzing all options, our inspector decided redirecting the specific problem storm pipe was the most cost-effective solution and were able to keep the Contractor working with effectively no delay.



Project: Front Street AC Water Line Improvements **Client:** Haines Borough **Location:** Haines, AK
Services Provided: Design and CA/I **Construction Cost:** \$315,000 **Completed:** 2019

Funded largely by an ADEC Drinking Water Fund loan, this project replaced 420 linear feet of existing 4-inch diameter asbestos cement water line with HDPE pipe. This project included engineering design and construction support services for water system replacement, street reconstruction, drainage culvert replacement, and sanitary sewer system repairs that are very similar to the work that will be required for Young Road, Cathedral View Drive, and Hooter Lane. Design elements included replacement of residential water services, water line valves, hydrants, and other system features. We also developed bid-ready plans and specifications, and performed contract administration and inspection services to ensure the project was constructed according to the plans, specs, and other funding agency requirements.



Project: Richland Manor Subdivision Phase I **Client:** Private Owner **Location:** Juneau, AK
Services Provided: Design and Inspection **Construction Cost:** ~\$500,000 **Completed:** 2020

This private subdivision project involved engineering design services for drainage basin modeling and culvert sizing similar to those required for Anway, Moose Lane, and Sunshine Drainage, Piedad Road, and Young Road. The first phase of this private development of a residential subdivision involved construction of a 1,000-foot access road and sewer main from Hooter Lane to the project site. proHNS calculated the capacity of the existing AK DOT&PF-owned drainage system on Glacier Highway at the bottom of Hooter Lane, the runoff of the existing drainage basin encompassing the location of the proposed development, and the runoff increase due to the proposed development. Staff subsequently used these calculations to develop a drainage plan addressing the increased runoff from the proposed development to meet CBJ and AK DOT&PF design standards. proHNS also performed construction inspection on behalf of CBJ.



Project: Sitka Street Reconstruction **Client:** City & Borough of Juneau **Location:** Juneau, AK
Services Provided: Design and CA/I **Construction Cost:** ~\$232,000 **Completed:** 2019

This project included engineering design and construction support for water system improvements, sanitary sewer system replacement, and street repairs that were very similar to the work that will be required for Young Road. The primary purpose of this project was to replace Sitka Street’s dilapidated and failing water main, though other improvements included surface drainage and replacement of the aging pavement section between North Douglas Highway and Nowell Avenue. Design elements included new concrete valley gutter, corrosion protection anodes, detailed waterline tie-ins, minor grade and profile adjustments, and a new structural section consisting of at least 12 inches of shot rock borrow subbase. Sitka Street is narrow and featured challenging road grades of over 20%.



Project: D&H Streets Improvements **Client:** City & Borough of Juneau **Location:** Juneau, AK
Services Provided: Design and CA/I **Construction Cost:** ~\$770,000 **Completed:** 2019

D&H Streets rehabilitated the existing pavement surface, improved surface drainage facilities, and replaced portions of the sanitary sewer and water utilities on D Street between 2nd and 5th Street and on H Street between 2nd and 3rd Street. This project included engineering design and construction support for water system improvements, sanitary sewer system replacement, and street repairs that are very similar to the work that will be required for Young Road. Design elements also included replacement of concrete curb/gutter and ADA curb ramps. Project challenges, aside from the quick turnaround, included designing the storm drain network intake located at the bottom of a large undeveloped drainage to minimize existing debris and sediment build up coming into the system and continually causing maintenance issues.



Project: Comstock Fish Passage Improvements **Client:** Takshanuk Watershed Council **Location:** Haines, AK
Services Provided: Design **Construction Cost:** ~\$7,000 **Completed:** 2017

This project included engineering design for drainage improvements that are very similar to the work that will be required for Anway, Moose Lane, and Sunshine Drainage projects. After unfavorable weather eroded the anadromous fish stream passing through the Comstock Road area, our subconsultant (Takshanuk Watershed Council) hired proHNS to survey and detail a new stream profile, including material quantities, needed for a United States Army Corps of Engineers permit application. With contributions by the Fish and Wildlife Service’s Habitat Restoration and Coastal Program, the new stream profile and the efforts of both proHNS and Takshanuk Watershed Council improved fish passage.





Experience with Haines Borough



proHNS Principal Engineer Garret Gladso, PE, with SERB representatives and HB Public Facilities Director Ed Coffland, PE.

proHNS was established in Haines in 2015. Though we have since expanded to serve communities across Southeast Alaska, we continue to make serving the Haines Borough a priority. Our Creative Director Karen Garcia leads our Haines office, and makes it a point to maintain relationships with Haines Borough personnel, attend public meetings, and generally keep up to speed on the Borough's political, financial, and social goings-on. Over the course of the past six years, our staff have established and built upon relationships with past and current Haines Borough employees, including Public Facilities Director Ed Coffland, Grants and Contracts Administrator Carolann Wooton, and Water/Sewer Plant Supervisor Dennis Durr.

While we have outlined our experience with Haines projects in other sections of this proposal, we also have experience with Haines Borough projects that are ongoing and necessitate continued coordination with Borough representatives. We are currently working closely with Borough staff to design improvements for the Tlingit Park Trails, which includes ADA upgrades. We performed an options analysis and prepared conceptual plans for the Mathias Avenue Realignment, which is now on hold pending Borough direction. Our Portage Cove Waterfront Trail design (95% complete) is also on hold pending completion of the environmental permitting process by the Chilkoot Indian Association.

From our experience working with the Haines Borough, we are also cognizant of the meetings and public process some projects must navigate with the Assembly and Planning Commission. We know that the Planning Commission only meets once a month (the first Thursday) and the Assembly usually meets twice (the second and fourth Tuesdays, with only one meeting in November and December due to the holidays). These meetings need to be taken into account when planning contract approvals, design schedules, and other project elements that require Assembly or Planning Commission sign-off.



proHNS Principal Engineer Lucas Chambers, PE, presents trail alignments to the Haines Borough Planning Commission.



proHNS Principal Engineer Lucas Chambers, PE, walks the Portage Cove Trail alignment with Borough representatives and other stakeholders.

We pride ourselves on being responsive to the needs of the Haines Borough, and are quick to respond to Borough staff inquiries and requests. It is our experience that developing and maintaining positive working relationships with our clients not only ensures we construct a project that checks all of the owner's boxes, but also gives them the most return on their investment in our services. We also believe open, clear, and honest conversations regarding project goals, budgets, and schedules are critical to every project, but especially those sites listed in the RFP. This is a mindset we've always employed while working with the Borough and will continue to keep at the forefront of our approach to project management.



Cost Proposal

To perform the entirety of services for all project sites described in the RFP, our team is proposing a Time & Expense budget of \$595,488. For ease of reference, we have broken down this cost proposal by project site and attached it as Appendix A. Our team will focus on ensuring every dollar spent on these projects by the Borough is eligible for reimbursement by FEMA, FHWA, or others funding partners.

In addition to organizing our proposed costs by project site, we have broken down costs by service: survey, permitting, design, and construction administration & inspection (CA&I). Our lump sum estimate is based on the assumption that survey, design, and permitting services will proceed as soon as a contract is signed and Notice to Proceed issued – likely Spring 2021 – and those services will continue into Spring 2022. If funding is available and we are directed to do so by the Haines Borough, we will strive to prepare construction ready documents for the smaller sites by late Summer 2021. However, we anticipate construction at most of the project sites to occur during Summer 2022. Much is still unknown about the timing and extent of federal funding to support these projects; we therefore anticipate developing a detailed work and deliverable schedule once more information is available.



Why Select proHNS?

Selecting proHNS to deliver the requested services ensures the Haines Borough not only secures a qualified and experienced consultant, but a community-vested partner who has roots, staff, and a permanent office in Haines. We believe our shared experiences repairing and improving Haines Borough infrastructure over the last 5+ years has put proHNS in a position to provide you with any and all support necessary for the projects listed in the RFP.

Several members of our team who will provide these services reside in Haines, which means an investment in proHNS is an investment in your local economy. Since 2015, proHNS has employed more than a dozen Haines residents as engineers, inspectors, marine mammal monitors, and technical subject matter experts in a variety of roles for projects throughout the Haines Borough. We foresee continuing this model of employing local when it comes to inspection, technical support, and other boots on the ground resources necessary for completion of the services described in the RFP.

Thank you again for considering our proposal. We look forward to continuing our relationship with the Haines Borough and assisting you with this important component of the rebuilding process.

Respectfully,



Garret K. Gladsjo, PE
proHNS Principal Engineer

Attachments: Appendix A - Cost Proposal Table

Appendix A - Cost Proposal Table

| Project Site | Design Survey | Permitting | Engineering Design | Construction Support | Subtotal |
|--------------------------------------|---------------|------------|--------------------|----------------------|---------------------|
| Anway/Moose Lane/Sunshine Drainage | \$5,722.00 | \$5,600.00 | \$23,000.00 | \$18,713.00 | \$53,035.00 |
| Cathedral View Drive and Hooter Lane | \$8,488.00 | -- | \$70,670.00 | \$67,422.00 | \$146,580.00 |
| Chilkoot Loop Retaining Wall | \$1,906.00 | \$3,000.00 | \$10,334.00 | \$3,690.00 | \$18,930.00 |
| Piedad Road | \$6,968.00 | -- | \$29,400.00 | \$28,901.00 | \$65,269.00 |
| Porcupine Trail | \$5,012.00 | \$5,600.00 | \$8,078.00 | -- | \$18,690.00 |
| Soap Suds Alley/Tower Road | -- | -- | \$7,068.00 | \$63,942.00 | \$71,010.00 |
| Young Road | \$6,968.00 | -- | \$99,118.00 | \$115,888.00 | \$221,974.00 |
| | | | | Total: | \$595,488.00 |

Assumptions, inclusions, or exclusions made for this cost proposal include:

Surveying service costs proposed are limited to topographic and boundary surveying in support of engineering design. Right-of-way or easement acquisition, construction surveying, and setting of monuments or property corners is not included in our proposed cost but can be added to our scope of work during contract negotiations.

Permitting service costs proposed are based on performing in-water work at the three project sites listed, which is anticipated to require permits from the Alaska Department of Fish & Game (ADF&G), Department of Natural Resources (DNR), and Army Corp of Engineers (ACOE) Nationwide Permit. Proposed permitting costs do not include field work for cultural resources, pre-construction notifications, public meetings, take permits, floodplain permits, wetland delineations, wetland mitigation, hazardous material handling or remediation, construction general permits for stormwater, excavation dewatering general permits, temporary water use authorizations, or National Environmental Policy Act (NEPA) processes/documentation, though any or all of these services can be added to our scope of work during contract negotiations.

Engineering design service costs proposed include civil engineering for roadway, utility, hydraulic, and minor structural design. None of the proposed project sites are anticipated to require the services of a licensed professional structural engineer, electrical engineer, mechanical engineer, landscape architect, or other non-civil licensed professional. As such, costs for those specialty services are not included in the scope of our proposal.

Construction support service costs proposed include all field inspection staff, project management, as-building, materials testing, and direct costs necessary for this service. Our proposed cost for each site is based on the assumption that full-time on-site inspection is not required for each project, and that staff will concurrently support multiple project sites during the 2022 and possibly 2023 construction seasons.



HAINES BOROUGH, ALASKA
RESOLUTION No. 21-05-912

Adopted

A Resolution of the Haines Borough Assembly Authorizing the Borough Manager to execute a contract with proHNS Engineers, LLC. for Professional Engineering and Design Services associated with the December 2020 Natural Disaster Borough Road Repairs in an amount not to exceed \$595,488.00

WHEREAS, in December 2020 the Haines Borough experienced a catastrophic weather event with wide-spread flood and debris flows that resulted in a landslide on Beach Road which destroyed residences and caused two fatalities; and

WHEREAS, as a result of the event, roads throughout the Haines Borough were washed out and became impassable; and

WHEREAS, on December 2, 2021, the Mayor issued a Declaration of Emergency; on December 3, 2021 the State of Alaska issued a State Disaster for the region; and

WHEREAS, on February 17, 2021 the President of the United States issued a Federal Disaster Declaration for the region, thereby activating a Federal Emergency Management Association (FEMA) Public Assistance claim for damaged public infrastructure to assist the Borough with recovery efforts; and

WHEREAS, the Haines Borough put design and engineering services out for bid and received one bid from proHNS; and


WHEREAS, proHNS proposes to provide engineering services under a Time and Materials basis not to exceed \$595,488.00 for the design and engineering of Borough roads listed as damaged on the Borough's Preliminary Damage Assessment sent to FEMA; and

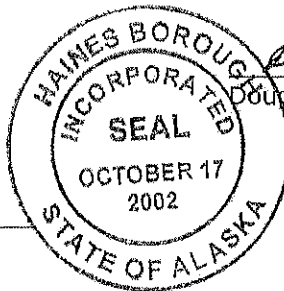
WHEREAS, funding for these services will be a part of the Borough's larger disaster claim for the event and is eligible for coverage at 75% from FEMA and 25% from State of Alaska Public Assistance (PA) funding; and

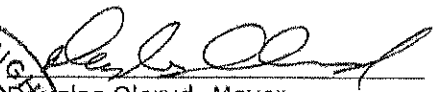
NOW, THEREFORE, BE IT RESOLVED that the Haines Borough Assembly authorizes the Borough Manager to execute a contract with proHNS, LLC on a Time and Expenses (T&E) basis for an amount not to exceed \$595,488.00 for design and engineering services of damaged Borough roads due to the December 2020 natural disaster.

Adopted by a duly-constituted quorum of the Haines Borough Assembly on this 11th day of May, 2021.

Attest:


Alekka Fullerton, CMC, Borough Clerk




Douglas Olerud, Mayor

A Resolution of the Haines Borough Assembly Authorizing the Borough Manager to execute a contract with proHNS Engineers, LLC. for Professional Engineering and Design Services associated with the December 2020 Natural Disaster Borough Road Repairs in an amount not to exceed \$595,488.00

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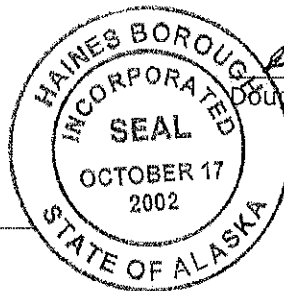
WHEREAS, funding for these services will be a part of the Borough's larger disaster claim for the event and is eligible for coverage at 75% from FEMA and 25% from State of Alaska Public Assistance (PA) funding; and

NOW, THEREFORE, BE IT RESOLVED that the Haines Borough Assembly authorizes the Borough Manager to execute a contract with proHNS, LLC on a Time and Expenses (T&E) basis for an amount not to exceed \$595,488.00 for design and engineering services of damaged Borough roads due to the December 2020 natural disaster.

Adopted by a duly-constituted quorum of the Haines Borough Assembly on this 11th day of May, 2021.

Attest:


Alekka Fullerton, CMC, Borough Clerk




Douglas Olerud, Mayor