



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

**Department of Transportation
and Public Facilities**

SOUTHCOST REGION
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December 21, 2022

RE: ADDENDUM NO. 02 TO REQUEST
FOR PROPOSALS (RFP) PACKAGE:

25233017

SFHWHY00225; SGY Klondike Hwy Rehab: SGY River Bridge to Canadian Border

FAX TO: All RFP recipients on record.

The RFP Package is hereby clarified or changed as follows:

1. The proposal due date remains unchanged.
2. The Statement of Services has been replaced with Attachment- 1.

All other terms and conditions remain the same.

END OF ADDENDUM

We appreciate your participation in this solicitation.

Sincerely,

A handwritten signature in blue ink that reads "Jessica Piukala".

Jessica Piukala
Contracts Officer

PROPOSED STATEMENT OF SERVICES

APPENDIX B2 – STATEMENT OF SERVICES

RFP No: 25233017 Program No: SFHWY00225 Federal No: 0972019 Date Prepared: 12/21/2022
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RFP No. 25233017 SGY KLONDIKE HWY REHAB: SGY RIVER BRIDGE TO CANADIAN BORDER

The Southcoast Region, State of Alaska Department of Transportation and Public Facilities (DEPARTMENT), Division of Preconstruction Services is seeking design, utility, environmental, survey, and right-of-way professional services for the SGY Klondike Hwy Rehab: SGY River Bridge to Canadian Border project.

Project Description and Background Information

The Alaska Department of Transportation and Public Facilities (Department) is soliciting professional engineering and associated support services for the design of the Skagway Klondike Highway Rehabilitation. The project is structured in a Parent-Child framework and includes the design of the project corridor to pre-environmental level planset and the final design for the first child project that extends from milepoint 0.0 to milepoint 3.1. The Department reserves the right to negotiate the design of subsequent child projects with the selected contractor.

Expected services include civil design, geotechnical, environmental, hydraulic, traffic, and utility.

Skagway is a community located at the North end of Southeast Alaska. A population of approximately 1,240 live within the municipality limits. The Skagway River Bridge (Br. 308) forms part of the Klondike Highway and is located approximately 0.4 miles North East of the Skagway airport.

The community is accessible by plane, ferry, and road.

The DEPARTMENT is planning to rehabilitate pavement along the Skagway Highway from Mile Post 1.75 to the Canadian border. The project will include work as limited by a Resurface, Restoration, and Rehabilitation (3R) project and includes, and is not limited to:

- Pavement Design
- Hydrologic and Hydraulic Services
- Guardrail Replacement
- Roadway Geometry and 3R Analysis
- Traffic and Accident analysis
- Identifying environmental concerns including hazardous substances
- Constructability and Traffic Phasing
- Slope and Embankment Stabilization

The design will also consider minimum versus desirable design criteria, ease of construction, and impact of each alternative on available Right-of-Way, Utilities, and other issues as appropriate.

The project will be phased such that the scope of work for the project will be refined as the project progresses. Additional work may be added as the scope of work for the project is refined. The DEPARTMENT anticipates issuing an initial NTP through the Pre-Environmental Review state of development with additional NTPs to be issued after the scope of work for the project is refined.

Scope of Work

Additional Detail will be provided to the selected Contractor before the negotiation of the contract.

The contractor will provide professional services for Preliminary Design through the final PS&E Design package. This includes:

- Project Management
- Civil 3D Design and Documentation
- Project Review Documentation
- QC Documentation
- Project Specification
- Project Construction Estimates

The DEPARTMENT reserves the right to negotiate the inclusion of subsequent child project design through the final PS&E package and assistance during the bidding stage.

Not currently included in the professional services are:

- Survey
- Bridge Design
- Landscape Design
- Assistance during Construction

Coordination

The successful consultant will work closely with local stakeholders and organize and attend local meetings to develop the pre-environmental plans, preliminary plans, and final designs. Those stakeholders include:

- Hamilton Construction
- Skagway and Dalton Cache Ports of Entry
- Canada Border Services Agency / Government of Canada
- White Pass and Yukon Rail
- Alaska Power and Telephone
- Sockeye Cycle Company
- Petro Marine
- Municipality of Skagway
- Yukon Government Economic Development
- Yukon Government Highways and Public Works
- Yukon Government Intergovernmental Relations
- Yukon Government Tourism
- Lynden Transport
- Skagway Police Department
- Klondike Gold Rush National Historical Park

Expected Tasks / Deliverables

This project is anticipated to be conducted under the following primary tasks. Tasks listed as Not-In-Contract (NIC) are made available to negotiate. Tasks may be conducted concurrently.

- Administrative Requirement
- 1. Assessment of Project Documents
- 2. Scope of Work Refinement
- 3. Project Manage Plan
- 4. Utility Conflicts
- 5. Geotechnical Investigation
- 6. Pavement Design
- 7. Traffic and Safety Survey
- 8. Hydrologic and Hydraulic Design
- 9. Value Engineering Study
- 10. Pre-Environmental Review (25% Plans)
- Constructability Review
- 11. Environmental Support
- 12. Public Involvement Support
- 13. Design Study Report

- Bridge Design (NIC)
- Landscape Design (NIC)
- 14. Local Review (50% Plans)
- 15. Plans-In-Hand (PIH) Review (75% Plans)
- 16. Pre-Plans, Specifications, and Estimate and Final Plans, Specifications, and Estimate
- 17. Completion Documentation
- 18. Assistance During Bidding
- Assistance During Construction (NIC)

Deliverables are subject to negotiation and change depending on the authorized development level of the project. At a minimum, the following deliverables can be expected:

Task 1 – Assessment of Project Documents – This task will review the existing documents created by the DEPARTMENT for Child Project 1 as well as initial corridor data and analysis. The contractor will assess these documents and identify modifications and additional work needed to bring the corridor design to the requirements of the Pre-Environmental Review (PER) level.

Task 2 – Scope of Work Refinement – This task will review existing geotechnical information and reports to identify key locations in the project corridor that will require additional information to confirm the scope and magnitude of repair work needed in the corridor.

Task 3 – Project Management Plan – This task includes the development of the draft and final project management plan.

Task 4 – Utility Conflicts – This task encompasses assisting the department with the identification and documentation of potential utility conflicts. Documentation will include a draft and final utility conflict report. The DEPARTMENT will also seek assistance with proposed solutions for all utility conflicts, plan sheets, cross-sections identifying the existing utility conflicts and location for proposed relocations, and an estimate of cost for the proposed utility relocations.

Task 5 – Geotechnical Investigation – The task will consist of geotechnical investigations and engineering necessary to support the project's environmental document, preliminary, and final design. The full scope of this task will be negotiated after the contract is awarded but is anticipated to include:

- Coordination with the Regional Engineering Geologist and Regional Geotechnical Engineer for all work completed under this task.
- Review of existing reconnaissance geotechnical data and identification of additional reconnaissance geotechnical data needed to determine the condition of geotechnical assets within the project limits and help inform the project's scope.
- Geotechnical and material source investigations conducted in accordance with the *Alaska Geotechnical Procedures Manual* and DEPARTMENT approved Exploration Plan.
- Development of geotechnical recommendations to support design. Geotechnical recommendations may include kinematic analysis of rock slopes, slope stability analysis, slope stabilization recommendations, embankment design, pavement design, structural foundation recommendations, etc.

Draft and final deliverables under this task will include, at a minimum, an Exploration Plan, Geotechnical Data Report (GDR), and Geotechnical Recommendations Memorandum (GRM). All draft and final subsurface logs (borings, test pits, etc.) shall use Southcoast Region Materials Section's standard gINT template. The GDR and GRR shall use Southcoast Region Materials Section's standard template.

Task 6 – Pavement Design – This task includes the development of the draft and final pavement recommendations.

Task 7 – Traffic and Safety – This task includes the completion of the draft and final 3R analysis of the project corridor, the Development of conceptual traffic control plans and traffic delay impacts, Traffic control plan specifications, Traffic control review, and finalized traffic control plan.

Task 8 – Hydrologic and Hydraulic Design – This task includes all necessary professional services to prepare required hydraulic and hydrologic data collection, documentation, reports, summaries, calculations, preliminary designs, environmental permit support, final designs including plans, specifications, estimates and quantity calculations during bidding and assistance during construction. This includes but is not limited to the design of culverts and fish passage structures, permanent erosions control structures, dewatering plans, and general drainage design.

Task 9 – Value Engineering Study – This task encompasses the draft and final Value Engineering (VE) study for the project corridor. The VE study team leader must be a certified value specialist or have demonstrated comparable experience or expertise. The VE team must have experience in disciplines associated with the design challenges seen in the project corridor. The VE study will follow the FHWA process (<http://www.fhwa.dot.gov/ve/veproc.cfm>)

Task 10 – Pre-Environmental Review (25% Plans) – This task encompasses the Pre-Environmental Review (PER) as outlined in Attachment H. It will encompass design for the entire project corridor from the Skagway River Bridge to the Canadian border. The purpose of this review is to solidify the project scope and establish the project parameters required for the completion of the environmental document. This includes, but is not limited to, identification of structural sections, location and treatment for slope repairs, utility relocations, guardrail replacement, culvert repairs, and design of fish passage structures. PER submittal will include all items identified in Attachment H, detailed QC documentation, constructability review, and the update of the PER submittal after the review for use by the DEPARTMENT to obtain the environmental document. This tasks deliverables are required to complete the environmental document and provide the framework for all subsequent child projects in the corridor.

Task 11 - Environmental Support – This task includes supporting the DEPARTMENT environmental staff in the completion of the environmental document for the parent project corridor and associated geotechnical investigation. It will include the development of environmental drawings to support the DEPARTMENT's development of the environmental document and conduct and document invasive species present in the project corridor. This task may be expanded under future negotiations to include supporting the DEPARTMENT's preparation of project permit applications.

Task 12 – Public Involvement Support – This task encompasses supporting the DEPARTMENT the public involvement for the project. It includes project team meetings, developing outreach content for in-person and virtual outreach, and assisting with and facilitating up to one project open house.

Task 13 – Design Study Report – This task includes the development of the draft and final design study report and supporting documentation.

Task 14 – Local Review (50% Plans) – This task will progress the plans and project documents from the PER level to 50% design. Submittal will include Local review plans, cross-sections, estimate, draft DSR, a memorandum detailing anticipated special provisions, and QC documentation.

Task 15 – Plans-In-Hand (PIH) Review (75% Plans) – This task includes will result in a completed design for the project and will provide plans, specifications, cross-sections, estimate, project documents, and QC documentation. The DEPARTMENT expects that project work between the PIH and the Pre-PS&E review will be limited to minor refinement of the project documents.

Task 16 – Pre-Plans, Specifications, and Estimate and Final Plans, Specifications, and Estimate – This task includes the refinement of the PIH submittal package through Final Plans, Specification, and Estimate (Final PS&E) to create a bid-ready project package. With the Final PS&E submittal, the contractor will provide a memorandum with the recommended construction contract completion date or the number of calendar days for the construction contract, a description of the construction work for the project, finalized versions of all documents in the pre-PS&E submittal, Project technical elements memorandum, and a wet-signed copy of the plans.

Task 17 – Completion Documentation – This task includes the delivery of all project documents, files, quantities, drawings, models, and CAD files to the DEPARTMENT.

Task 18 – Assistance during Bidding – This task includes the contractor assisting the DEPARTMENT with response to bidder questions and development of addenda during the advertisement of the project.

Constructability Reviews – This includes the review and documentation of the plans and specifications by third-party construction subject matter experts (SME) before the submission of each milestone review. The contractor will submit the constructability review comments and resolution with the QC documentation in the milestone submittal package.

Not-In-Contract tasks: If determined necessary and authorized, surveying, hydrologic and hydraulic design, bridge design, landscape design, and assistance during construction may be added to the tasks outlined in the scope of service.

Anticipated Period of Performance

The actual period(s) of performance shall be negotiated based on the Tasks that are ultimately authorized by the DEPARTMENT. The following key target dates are currently anticipated:

Pre-Environmental Review	- 08/25/2023
Environmental Document	- 05/27/2024
Local Review (Child Project 1)	- 08/05/2024
PIH Review (Child Project 1)	- 01/28/2025
PSE Review (Child Project 1)	- 04/17/2025
Bid Advertisement (Child Project 1)	- 08/19/2025

The actual period of performance will be adjusted by the DEPARTMENT as deemed required to complete any work that may be authorized under any of the anticipated tasks. The DEPARTMENT anticipates the production of Child Project 1 through the advertisement process. Subsequent child projects are subject to construction funding availability and timing. Child project scope and scale may vary from what is shown in this document depending on funding availability.

If the DEPARTMENT chooses to negotiate subsequent child projects with the contractor, the tentative delivery timeline is listed below. The actual period(s) of performance shall be negotiated based on the tasks authorized and the project construction funding timeline established at the time of negotiating the subsequent projects. Each subsequent child project will include additional tasks for final design of the project through advertisement.

Bid Advertisement (Child Project 2)	- 05/01/2026
Bid Advertisement (Child Project 3)	- 05/01/2027
Bid Advertisement (Child Project 4)	- 05/01/2029
Bid Advertisement (Child Project 5)	- 05/01/2031

Supporting Documents (Attachments)

- A. Project Location
- B. Parent Project Figures
- C. Conceptual Child Project 1 Plans
- D. Existing Site Photographs
- E. DOT&PF As-Built Drawings
- F. Existing Geotechnical Data
- G. Segmentation Memo
- H. Routine Inspection Report Bridge 308
- I. SR Pre-Environmental (PER) Review Guidance