



**Alaska Department of
Transportation & Public Facilities**

**KIVALINA EVACUATION & SCHOOL SITE ACCESS
ROAD**

Project No. NFHWY00162 / 0002384

Northern Region



Project Purpose and Need

The Kivalina Evacuation and School Site Access Road project would provide Kivalina residents a safe and reliable evacuation route in the event of a catastrophic storm or ocean surge, allowing evacuees to temporarily mobilize to safe refuge at an assembly site on Kisimigiutug Hill.

- Recent climate data has indicated that arctic sea ice is forming later in the season, increasing fall and winter storm duration and intensity along the Northwest Arctic coast.
- Residents of Kivalina face significant and increasing risks to life, health, and safety by storm systems predicted to further intensify over time.
- In the face of this increased threat, Kivalina needs a safe and reliable means of evacuation.

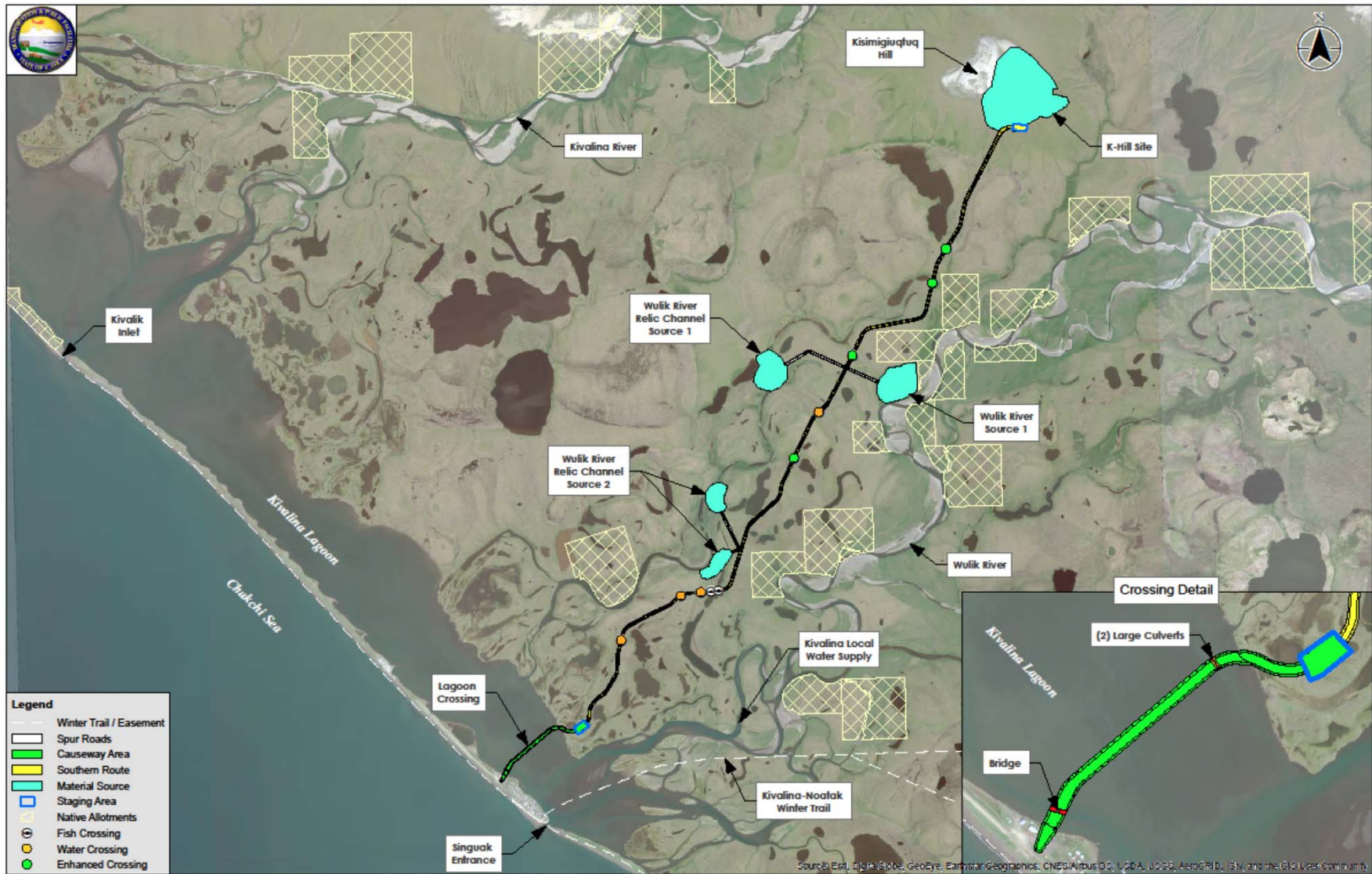


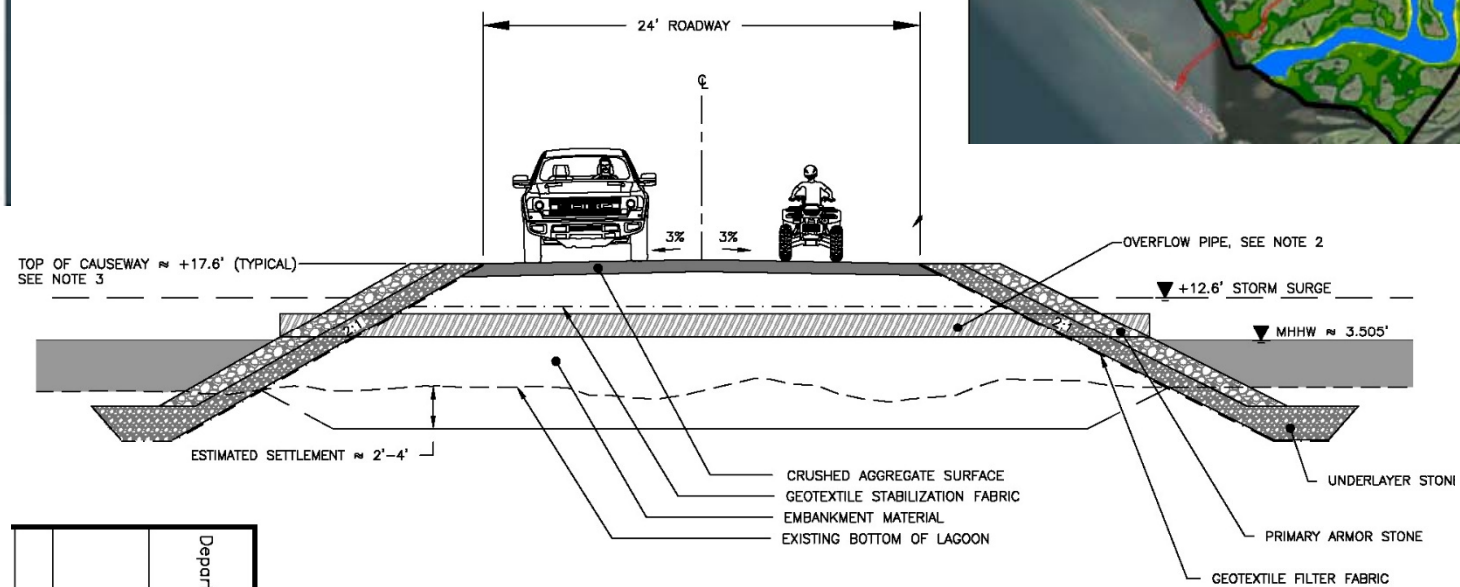
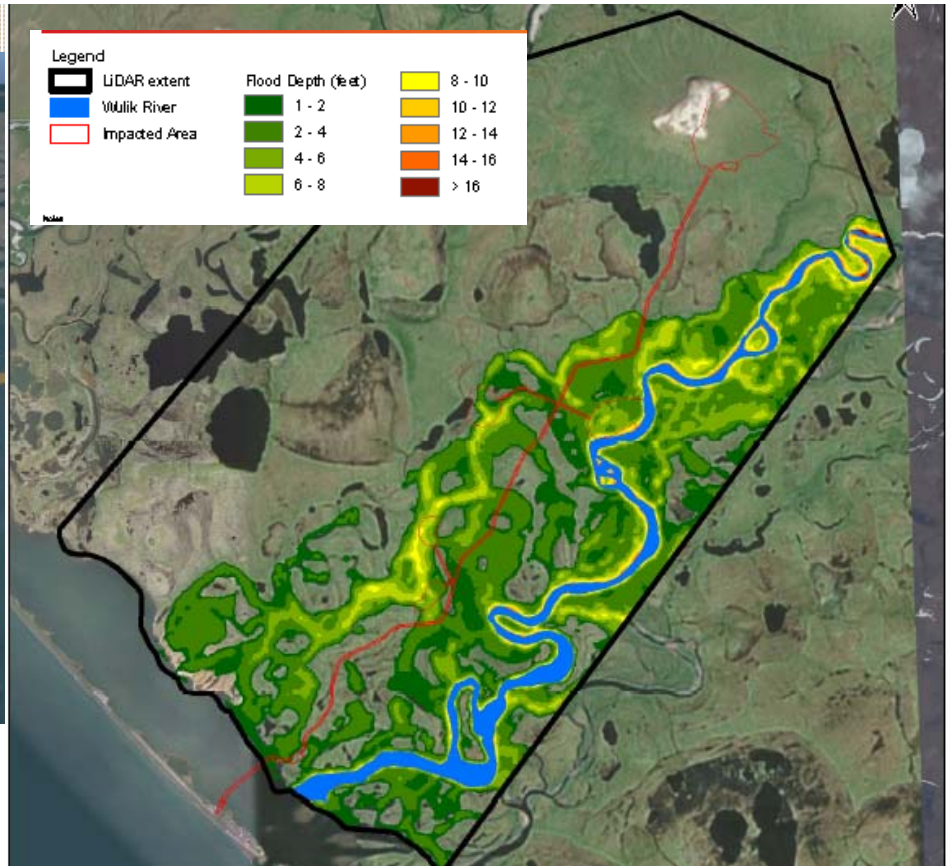
Scope of Work

The Proposed Action would construct a safe, reliable, all-season evacuation road between the community of Kivalina and Kisimigiqtuq Hill. It includes:

- **Establishment of a safe, reliable, all-season Kivalina Lagoon crossing** including bridge(s), culvert(s), or both;
- **Construction of an all-season access road connecting the Kivalina Lagoon crossing to the K-Hill evacuation site.** Two-way road with shoulders, multiple turnouts, and side slopes that may include guardrail; and
- **Development of up to four material sources including the K-Hill Site, Wulik River Source 1, Relic Channel Source 1, and Relic Channel Source 2.** These material sources are anticipated to be suitable local sources of select material to supply the project.

Site Map





LAGOON CROSSING D: SOLID CAUSEWAY TYPICAL SECTION

SOLID	SC	Department of
		2301 P



Schedule

~Driven by funding availability.

✓ NEPA, Final EA

Completed 1/19/18

• Design and Permitting

Spring-Fall 2018

• ROW

Fall 2018

• Mobilization

Late Fall, 2018

• Construction (NTP1)

Winter 2018/2019



Areas for Innovation

- Schedule
- Phased construction
- Challenging site logistics
- Seasonal construction challenges
- Causeway construction
- Optimization of local material source(s)
- Teaming with local stakeholders



CMGC Goals

- Join in with and add to a professional and collaborative Project Team that will see the project through to completion on time and within budget.
- Develop solutions to proactively reduce or eliminate potential for change orders and claims.
- Phase construction activities to balance constructability, economy, and minimize impacts to the environment, local commerce, subsistence, and community activities during construction.
- Develop and implement efficiencies by teaming with local and community stakeholders, as well as regulatory agencies to streamline design and construction.



Stage 1: Preconstruction Services

Stage 1

Detailed
Design

Contractor
Input

TMP

- Contractor provides design assistance through collaboration with DOT&PF including:
 - Design innovations and efficiencies
 - Constructability reviews
 - Cost estimates and project pricing
 - Identifying and mitigating risks
 - Permitting assistance
 - Construction phasing and sequencing
 - Material source selection/prioritization



Stage 1: Preconstruction Services

Stage 1

Detailed
Design

Contractor
Input

TMP

- **Cost Estimates**
 - **Department's Estimate**
 - Will be a combination of state averages and open book estimating methods.
 - **Contractor's Estimate**
 - Open book estimate providing a detailed breakout of costs throughout the design process
 - **ICE Estimate**
 - Independent cost estimate
- **TMP**
 - DOT&PF, ICE, and Contractor develop Theoretical Maximum Price (TMP)
 - If agreement is reached – proceed to Construction
 - If agreement is not reached – abandon CMGC process and proceed to Bid



RFP

Request for Proposal

- ✓ RFP to select CMGC began advertising April 3, 2018
- ✓ Proposals due May 1, 2018
- ✓ Selection May/June 2018



RFP

Request for Proposal

This CMGC RFP has two sections that require responses in submitted proposals:

- 1) Section I - Technical Proposal
- 2) Section III - Price Proposal

Section II - Preferences are criteria with “0” weight thus a response is not required.



RFP

RFP Section I - Technical

- Written narrative (15 Pages) describing qualifications.
- Section I Weighted Criteria are 85%:
 1. Project Approach (15%)
 2. Risk Management (15%)
 3. Innovation (20%)
 4. Proposed Team (15%)
 5. Management (5%)
 6. Past Performance (15%)

Responses should be tailored to the Proposed Statement of Services (Appendix B of the RFP)



Project Approach – 15%

- Describe what, when, where, and how, the work will be done. For Stage 2, provide a conceptual construction phasing plan outlining approximate timeframes in which major elements of work will be performed.
- Identify the amount (%) and type of work to be self-performed and that which may be performed by Subcontractors and local entities.
- Identify the amount and type of services or interactions required from or with the Contracting Agency.
- Address any particular geographic and regional familiarity, experience, and capabilities your firms have (i.e., the primary offeror and all proposed subcontractors), those of your proposed project staff, and how they might specifically contribute to the proposed methods.
- Identify any **distinct and substantive qualifications** for undertaking the proposed contract. Focus on what sets you apart from others in doing the same work.



Innovation (20%) & Risk Management (15%)

- Innovation:

Identify specific innovative ideas or creative efficiencies that could increase the likelihood for project success and discuss how each innovative idea would contribute to Project Goals. Describe the methods your team will use to advance innovations to achieve Project Goals.

- Risk Management:

Identify major risks to the Project Goals listed in the scope of services, and how your team proposes to mitigate the risks identified.

Project Goals (As listed in the scope of services):

- Completion of project on time/budget
- Reduce/eliminate change orders/claims
- Implement efficiencies by teaming with agencies and local & community stakeholders
- Construction phasing in consideration of balancing
 - Constructability & economy
 - Impacts to environment
 - Impacts to local commerce
 - Impacts to subsistence & community activities



Project Team (15%)

- **CMGC Contractor (Your team here!)**
 - Who will be your **Contract Manager** ... ???
 - Who will be your **Project Manager** ... ???
 - Who will be your **On-site Supervisor**... ???
 - Who will be your **Cost Estimator/Scheduler** ... ???
 - Who will be your **Community Outreach Liaison**... ???

KK3

Slide 16

KK3

Define community outreach coordinator.

Katherine Keith, 4/10/2018



Management (5%)

Describe the administrative and operational structures that will be used for performing the proposed contract for Stage 1 - Preconstruction, and Stage 2 - Construction:

- Identify the lines of authority and provide an organization chart including preconstruction and construction personnel.
- Identify the location(s) where the various contract services will be performed, and how communications will be maintained between your Project Staff, the Contracting Agency, and (as applicable) any other government agencies or the public.
- Briefly address your Firm's capability to provide additional services and/or services under an accelerated schedule. Also address your Firm's capability to reassign personnel, equipment and facilities should the proposed contract either not require them or be delayed.
- Describe your proposed cost controls, and your managerial approach toward maintaining budgets negotiated with the Contracting Agency. Identify who will be responsible for managing costs and how potential cost issues will be communicated and addressed with the Contracting Agency.
- Describe how individuals on your management team will interact with the Contracting Agency and Engineer(s) of Record during performance of the contract.



Past Performance (15%)

Identify **rural** projects the **proposed project team completed** (or that are substantially complete) in new, remote, and/or undeveloped areas. For each previous project,

- Provide the project name and location
- Provide the name of the Project Manager and Superintendent
- Provide the project duration (dates of Contract Award and Completion)
- Identify the client and provide a current reference contact name and phone number
- Describe the project scope
- For Proposed Project Staff, list the firm(s) and staff involved and their primary roles.
- Provide cost performance – the initial Bid, final cost, and reasons for substantial change in cost
- Describe performance related to schedule; provide reasons for contract extensions (if any)
- Identify and describe specific risks to project schedule and budget that could have been mitigated or avoided through CMGC. Identify specific experience gained from the described project that will help your team perform under this contract
- Describe any local community and stakeholder partnerships, their role(s) in the project, and contribution to economic development.
- Provide a brief narrative of the successes of the project, include innovations implemented and risks mitigated.



RFP

RFP Section III - Price

- Section III Weighted Criteria are 15%:
 - Labor Billing Rates (5%)
 - Contract Management (10% of Total Labor Effort)
 - Project Management (25% of Total Labor Effort)
 - On-site Project Supervision (25% of Total Labor Effort)
 - Cost Estimating/Scheduling (25% of Total Labor Effort)
 - Community Outreach Liaison (15% of Total Labor Effort)

Response will be scored as follows except that the **score will be zero if a rate for each listed function is not provided by an Offeror.**

$$\frac{(\text{Lowest aggregate rate from all Offerors}) \times (\text{MPP}^*)}{(\text{Offeror's aggregate rate})} = \text{Offeror's Criterion Score}$$

*MPP = Maximum Possible Points = (5) x (Number of Evaluators) x (Weight)



RFP

RFP Section III – Price (Cont.)

Construction Fee Proposal (10%)

- Fee expressed as a percentage
- Consists of **overhead, profit, and any other applicable indirect costs.**
- Profit does not need to be identified separately.
- Combine all three components to form a single fee percentage.
- Applied to all work directly performed by the prime contractor.
- A maximum 5% fee (not the proposed fee) will be allowed for the Prime Contractor on subcontractor work or subcontractor-supplied materials.
- Joint ventures or prime/subcontractor partnerships will be treated as one entity and entitled to the proposed fee.

Response will be scored as follows:

$$\frac{(\text{Lowest fee from all Offerors}) \times (\text{MPP}^*)}{(\text{Offeror's Fee})} = \text{Offeror's Criterion Score}$$

$$^* \text{MPP} = \text{Maximum Possible Points} = (5) \times (\text{Number of Evaluators}) \times (\text{Weight})$$



RFP

Q&A and Addenda

- Q&A will be posted on the RFP website as supplemental information through an addendum to the RFP
 - May need to re-download Zip File to get supplemental information
- Only those listed on the RFP holders list will be notified of addenda (Please Register)



For more information

- **Project Manager**

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TDD: 907-451-2363

- **Project Web site:**

<http://dot.alaska.gov/nreg/KivalinaEvacRd/>

- **Procurement Web Site:**

<http://dot.alaska.gov/rfpmgr/lg.cfm>



Questions?

Proposals due May 1, 2018