

MATANUSKA-SUSITNA BOROUGH ACTION MEMORANDUM

AM No. 21-077

SUBJECT: Award of Proposal No. 22-007P, Historic Iditarod Trail Underpass at Burma Road Design Build to K&H Civil Constructors, LLC, for the contract amount of \$740,000.00.




AGENDA OF: August 3, 2021

ASSEMBLY ACTION:

Approved under the consent agenda. 8.3.21 KBJ
 Reconsideration filed 8.4.21 KBJ
 Reconsideration failed w/6m in support. 8.10.21 KBJ

MANAGER RECOMMENDATION: Present to the assembly for consideration.

APPROVED BY MICHAEL BROWN, BOROUGH MANAGER: 

Route To:	Department/Individual	Initials	Remarks
	Purchasing Officer	Dustin Silva	<small>Dustin Silva cm@dustin.silva.com 2021.07.21 09:12:57 -0800</small>
	Public Works Director	Terry Dolan	<small>Digitally signed by Terry Dolan Date: 2021.07.21 09:12:57 -0800</small>
	Finance Director		For CM
	Borough Attorney		
	Borough Clerk		KBJ

ATTACHMENT (S): Fiscal Note: Yes ☒ No ☐
 Scope of Services (3p)
 Analysis Sheet (1p)

SUMMARY STATEMENT: On June 17, 2021, the Matanuska-Susitna Borough Purchasing Division issued a solicitation requesting Proposals from qualified design-build teams to design and build a new underpass for the Historic Iditarod Trail where it intersects Burma Road south of Big Lake, Alaska. The intent of the project is to construct a structure that will allow for users of the Historic Iditarod Trail to cross safely from one side of Burma Road to the other avoiding interaction with vehicle traffic on the road.

Services purchased will support the Public Works Department in assembly district #5.

In response to the advertisement, four proposals were received. A proposal evaluation team made up of three Borough Public Works staff evaluated the proposals and selected K&H Civil Constructors, LLC as the most advantageous firm for the Borough.

The substantial completion date for this project is November 1, 2021 with the final completion on June 15, 2022. In accordance with MSB 3.08.170(B), Administration requests authority to modify the resulting contract completion date by 30 days for unforeseen circumstances.

The Public Works Department, Pre-Design & Engineering Division will be administering the contract.

RECOMMENDATION OF ADMINISTRATION: Award of **PROPOSAL NO. 22-007P, HISTORIC IDITAROD TRAIL UNDERPASS AT BURMA ROAD DESIGN BUILD** to **K&H CIVIL CONSTRUCTORS, LLC** for the contract amount of **SEVEN HUNDRED FORTY THOUSAND DOLLARS AND 00/100 CENTS (\$740,000.00)**.

MATANUSKA-SUSITNA BOROUGH
FISCAL NOTE

Agenda Date: August 3, 2021

SUBJECT: Award of Proposal No. 22-007P, Historic Iditarod Trail Underpass at Burma Road Design Build to K&H Civil Constructors, LLC, for the contract amount of \$740,000.00.

ORIGINATOR: Purchasing

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT YES NO
AMOUNT REQUESTED <u>\$740,000.00</u>	FUNDING SOURCE <u>Cultural/Rec Svc Cap. Proj.</u>
FROM ACCOUNT # <u>440.00.00 4xx.xxx</u>	PROJECT # <u>15040-1800-1822</u>
TO ACCOUNT :	PROJECT #
VERIFIED BY: <u>[Signature]</u>	CERTIFIED BY:
DATE: <u>7-21-21</u>	DATE:

EXPENDITURES/REVENUES:

(Thousands of Dollars)

OPERATING	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel Services						
Travel						
Contractual						
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous						
TOTAL OPERATING						

CAPITAL		<u>740.0</u>				
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REVENUE						
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FUNDING:

(Thousands of Dollars)

General Fund						
State/Federal Funds						
Other		<u>740.0</u>				
TOTAL		<u>740.0</u>				

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

PREPARED BY: _____ PHONE: _____
 DEPARTMENT: _____ DATE: _____
 APPROVED BY: Chapman Skindell DATE: 7.21.21

22-007P HISTORIC IDITAROD TRAIL UNDERPASS AT BURMA ROAD DESIGN BUILD

SCOPE OF SERVICES

Project Background and Scope

The Matanuska-Susitna Borough (Borough), is requesting proposals from qualified contractors to design and build a new underpass for the Historic Iditarod Trail where it intersects Burma Road south of Big Lake, Alaska. The underpass location is within the Northeast ¼ Northeast ¼ Section 28 T16N Range 04W, Seward Meridian, and are shown in the attached map (Figure 1) and photographs (Figure 2) east of Jewell Lake. The coordinates are as follows:

Burma Road Underpass: Latitude: 61.45339 Longitude: -149.99532

This trail crossing location is within a public use easement (ADL # 222930) dedicated and managed by the State of Alaska Department of Natural Resources (DNR). The Borough has filed a land use application to the DNR to make these improvements to the trail. DNR must review and approve the design of the underpass and other improvements, prior to construction. While the Borough will be the permit holder, it is the contractor's responsibility to produce a design that satisfies the requirements of DNR. The contractor shall apply for and obtain all other permits required to complete the project, on behalf of the Borough. The other anticipated permits include, but are not limited to:

- Alaska Department of Environmental Conservation (DEC), Construction General Permit
- Matanuska-Susitna Borough, Construction within Public Easements & Rights-of-Way

The intent of the project is to construct a structure that will allow for users of the Historic Iditarod Trail to cross safely from one side of Burma Road to the other avoiding interaction with vehicle traffic on the road. The project is funded through the MSB FY 2022 budget. The project budget is approximately \$700,000.

Design Criteria

At a minimum the design and construction is subject to the specifications and guidelines set forth in the AASHTO "Green Book" and the Alaska Highway Preconstruction Manual. Design criteria are summarized in Table 1 below:

Table 1: Design Criteria for Proposed Crossing

Structure	Minimum	Notes
Length (ft.)	60	Must extend far enough beyond road embankment toe to remain clear of plowed snow during winter months
Trail Width of Travelled Way (ft.)	10	Shall facilitate two-way trail traffic
Maximum Grade (%)	4	Maintain positive drainage within the structure and at crossing structure approaches
Minimum Grade (%)	1	
Railing type over buried structure	Guardrail or Jersey Barriers	No steeper than 2:1 fill slopes

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Foundation Type	Non-frost susceptible gravel	
Acceptable Materials	Aluminum, steel, and concrete	No wood materials

If the structure is buried under the road, the design shall meet ADOT&PF Design Criteria Manual and AASHTO "Green Book" specifications to support the surface load of a typical collector level road embankment.

Table 1: Design Criteria for Burma Road

Structure	Minimum	Notes
Width of Travelled Way & Shoulders (ft.)	40	Shall facilitate two-way traffic
Design Speed (MPH)	35	Check to see what is posted

Project and Proposal Requirements

The contractor is responsible for investigating and evaluating all site conditions, as necessary, to design and construct the undercrossing. The MSB will supply geotechnical exploration data prior to the Notice of Successful Proposal being issued.

All engineering plans are subject to review and approval by both the Borough and the State of Alaska prior to construction. The contractor shall submit plans to the Borough for review and comment at the Plans-in-Hand (75%) and Pre-PS&E (95%) design level, and allow five (5) calendar days for review and comment by the Borough project manager. Following review and approval by the Borough, the Pre-PS&E deliverables (plan drawings, special provisions and cost estimate) will be forwarded by the Borough to the State for their approval as part of the Land Use Permit process. Final design drawings shall be sealed by a professionally licensed engineer, or land surveyor, as applicable, who is licensed in the State of Alaska, in accordance with AS 08.48

Proposals shall include all costs for design and construction. Costs of all regulatory agency reviews or permits (except for the Land Use Permit), shall be included in the proposals and will be paid directly by the Contractor to the regulatory agencies. The total cost of all construction and related required items to produce a fully functional trail crossing shall be the responsibility of the Contractor and must not exceed the bid amount. It is the responsibility of the successful Contractor to ascertain the requirements, pay any review costs, testing costs and obtain all permits necessary to construct the project for immediate use upon Substantial Completion.

Warranty: The Contractor shall warrant the structures and all components to be free of defects for a period of one year from the date the facility is accepted by the Owner. A minimum one-year warranty inspection is required, and a warranty statement should be included in the proposal.

Project Schedule: Time is of the essence. The project must be substantially completed by **November 1, 2021** with final completion by June 15, 2022. Estimated dates for draft and final plan submittals, MSB reviews, material procurement, construction commencement, substantial and final construction completion and warranty inspections shall be provided on a proposed schedule, to be included with the proposal.

Periodic design and construction progress meetings will be held, at a minimum, once per week. The Contractor shall provide meeting notes summarizing meeting discussions to the MSB within 7 calendar days of the meetings.

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Notice to Proceed and Project Kick-off Meeting is anticipated to occur in August 2021.

The proposal submittal shall include:

1. Detailed information about the design-build team, including experience on similar projects.
2. List manufacturers and features of major structural components
3. Basic site plan showing road rights-of-way, trail easement and signage
4. Concept structure plans and elevations.
5. Structure cross sections delineating type of construction and materials used
6. Structure details for major components, such as pile caps abutments, etc.
7. Proposed schedule showing all critical milestones from NTP to a One-Year Warranty Inspection

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22-007P - Historic Iditarod Trail Underpass at Burma Road Design Build Scoring Summary

	Total	EXPERIENCE AND QUALIFICATIONS	PAST PERFORMANCE	OVERALL DESIGN	OBJECTIVES AND SERVICES	PROPOSED SCHEDULE	FEE	NOTE
Supplier	/ 100 pts	/ 15 pts	/ 10 pts	/ 20 pts	/ 15 pts	/ 10 pts	/ 30 pts	
K&H Civil Constructors	72.16	10	5.333	13.33	9	7.333	27.16 (\$740,000.00)	
Jolt Construction & Traffic Maintenance Inc.	67	9	6	12	8	2	30 (\$670,000.00)	
Granite Construction Company		13	8.667	16	12	8.667	19.07 (\$1,054,000.00)	Firm's Fee exceeded available funding.
Bristol Prime Contractors, LLC		12	8	12	8	7.333	17.21 (\$1,168,104.41)	Firm's Fee exceeded available funding.

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REQUEST FOR RECONSIDERATION
OF AIA 21-077. ADMINISTRATION
HAS NOT CONDUCTED INFO COLLECTION
AND PROJECT MIGHT BE FUNDED
THRU INFRASTRUCTURE FUND JUST
PASSED BY CONGRESS

James F. [Signature]
AUGUST 4, 2021

RECEIVED
AUG 04 2021
CLERKS OFFICE