

Project Title: Kenai Peninsula Borough - Road Service Area - Bridges and "Fish Pass" Culverts

TPS Number: 66736

Priority: 1

Agency: Commerce, Community and Economic Development
Grants to Municipalities (AS 37.05.315)

Grant Recipient: Kenai Peninsula Borough

FY2023 State Funding Request: \$9,750,000

Future Funding May Be Requested

Brief Project Description:

The Kenai Peninsula Borough is seeking \$9,750,000 to facilitate the replacement of up to twelve Road Service Area Bridges.

Funding Plan:

Total Project Cost:	\$9,750,000
Funding Already Secured:	(\$0)
FY2023 State Funding Request:	<u>(\$9,750,000)</u>
Project Deficit:	\$0

Explanation of Other Funds:

This project is expected to qualify under Infrastructure and Jobs Act funding.

Detailed Project Description and Justification:

The Kenai Peninsula Borough is seeking \$9,750,000 to facilitate the replacement of up to twelve Road Service Area Bridges.

Background

The Kenai Peninsula Borough Road Service Area provides for year-round maintenance of over 650 miles of Roads in the Kenai Peninsula Borough. Included in this road infrastructure are 16 stream and river crossings. Most crossings are supported by aged bridge and culvert conditions that were adopted by the Borough when the service area was formed in 1982 and later consolidated in 1992.

Justification

The stream and river crossings listed below area supported by ether aged and/or inadequate bridges that provide access to federal, state, municipal, and private lands that support, among other uses, residential housing, businesses, resource access, and recreational activities. These lands are populated by numerous communities and rural housing properties owned by the taxpayers of the Kenai Peninsula Borough. Safe and dependable access across these waterways is critical in maintaining the current quality of life standards and economic prosperity of the Kenai Peninsula Borough.

In addition to Road Service Area needs, all of the listed bridges cross anadromous streams and rivers that support all five species of pacific salmon, among other anadromous species of fish. Improvements too many of these water crossings will provide improvements to and/or protection of fish passage, that is critical to the health of these fisheries.

Road Service Area Priority Bridges of concern;

Running Water Ave, Chakok Rd, Henry Creek, Dorothy Dr., Bruno Rd, Grouse Creek, Lost Creek, Forest Dr, Spruce Creek, Nautical Rd, Old Exit Glacier #2, Tinker Ln

Methodology

Contingent on the amount of funding received the Kenai Peninsula Borough Road Service Area will immediately initiation action to replace up to the twelve bridges listed. Engineering solutions such as fish pass culverts or Beam type bridges will be installed in place of the existing and dilapidated infrastructure. The size and type of the infrastructure to be installed will be based on the site conditions and the size of the waterway. Consideration to area growth and the longevity of the infrastructure will also be weighed in the decision. As part of the project scope river and stream bank stabilization/rehabilitation, best management practices, will be applied within and adjacent to the project foot print to protect the asset and to limit impacts to the waterway associated with the crossing.

Project Timeline:

The project is to extend over the next five fiscal years.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Kenai Peninsula Borough

Grant Recipient Contact Information:

Name:	John Hedges
Address:	144 N. Binkley Street Soldotna, AK 99669
Phone Number:	(907)714-2260
Email:	jhedges@kpb.us

This project has been through a public review process at the local level and it is a community priority.

Project Title: Kenai Peninsula Borough - Road Service Area - Existing Paved Roads

TPS Number: 66737

Priority: 2

Agency: Commerce, Community and Economic Development
Grants to Municipalities (AS 37.05.315)

Grant Recipient: Kenai Peninsula Borough

FY2023 State Funding Request: \$10,200,000

Future Funding May Be Requested

Brief Project Description:

The Kenai Peninsula Borough is seeking \$10,200,000 to rehabilitate the Tier 1, Tier 2 and Tier 3 paved roads in The Road Service Area

Funding Plan:

Total Project Cost:	\$10,200,000
Funding Already Secured:	(\$0)
FY2023 State Funding Request:	<u>(\$10,200,000)</u>
Project Deficit:	\$0

Explanation of Other Funds:

This project is expected to qualify under Infrastructure and Jobs Act funding.

Detailed Project Description and Justification:

Background

The Kenai Peninsula Borough Road Service Area provides for year-round maintenance of over 650 miles of Roads in the Kenai Peninsula Borough. Roughly, 2% of the roads in the system are paved surfaces. The majority of the roads in the system were adopted by the Kenai Peninsula Borough from the State of Alaska. The remaining roads were either paved by the property owners through a special tax assessment district or were paved by developers prior to adoption into the service area.

The Kenai Peninsula Road Service area prioritizes its capital improvement projects through the use of a Tier list that is generated by the department through their operational assessment. The list is then evaluated by the Road Service Area Board and then a recommendation for yearly priority projects is made. A 5-year capital plan is maintained through this process. This list is then sent to the Borough Administration and the Assembly for inclusion in the annual budget.

Justification

The Kenai Peninsula Borough Road Service Area is committed to capital improvement of its road system and appropriates approximately \$2,300,000.00 in RSA funds each fiscal year to address road deficiencies. Approximately 10 miles of Tier 1 one Tier 2 priority projects are paved roads in need of immediate rehabilitation. The total estimated cost to grind and replace the pavement surfaces on these roadways is estimated at \$2,200,000.00.

In addition to the highest priority paved roads listed above there is a remaining, 13 miles of paved roadway that has or is close to reaching the end of its predictable useful life. Maintenance on these surfaces has and will steadily increase over the next 5 years and will most likely lead to poor and unsafe travel conditions. The total estimated cost of rehabilitation to these roads is estimated at \$8,000,000.00

Methodology

Should funding be made available the Kenai Peninsula Borough would immediately launch a pavement rehabilitation project, using a grind and pave methodology, applied to the top priority roads as identified in the tier list. The project will progress as funding is available to all other aging paved surfaces, based on priority, until the approximately 23 miles of paved road on the peninsula are resurfaced with a paved surface that would have an estimated 25-year useful life.

Project Timeline:

The project can commence once funding is secured and is projected to extend over the next five fiscal years.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Kenai Peninsula Borough

Grant Recipient Contact Information:

Name: John Hedges
Address: 144 North Binkley Street
Soldotna, AK 99669
Phone Number: (907)714-2260
Email: jhedges@kpb.us

This project has been through a public review process at the local level and it is a community priority.

Project Title: Kenai Peninsula Borough - Road Service Area - Gravel Roads Capital Improvements

TPS Number: 66738

Priority: 3

Agency: Commerce, Community and Economic Development
Grants to Municipalities (AS 37.05.315)

Grant Recipient: Kenai Peninsula Borough

FY2023 State Funding Request: \$8,000,000

Future Funding May Be Requested

Brief Project Description:

The Kenai Peninsula Borough is seeking \$8,000,000.00 in supplemental funding to advance its Capital Improvement project initiative for its Road Service Area.

Funding Plan:

Total Project Cost:	\$8,000,000
Funding Already Secured:	(\$0)
FY2023 State Funding Request:	<u>(\$8,000,000)</u>
Project Deficit:	\$0

Explanation of Other Funds:

This project is expected to qualify under Infrastructure and Jobs Act funding.

Detailed Project Description and Justification:

Background

The Kenai Peninsula Borough Road Service Area provides for year-round maintenance of over 625 miles of rural Gravel roads. On an annual basis, the Road Service Area applies approximately \$2,300,000.00 to address capital improvements that will improve safety, quality of use, and lower maintenance cost to the taxpayers of the service area.

The Kenai Peninsula Road Service area prioritizes its capital improvement projects through the use of a Tier list that is generated by the department through their operational assessment. The list is then evaluated by the Road Service Area Board and a recommendation for yearly priority projects, extending out to 5 years is sent to the Borough administration inclusion in the annual budget at the wishes of the assembly.

Justification

The Kenai Peninsula Borough Road Service Area is committed to capital improvement of its road system and appropriates approximately \$2,300,000.00 in RSA funds each fiscal year to address road deficiencies. Increases in the advancement of the Capital projects would lead to immediate safety improvements, maintenance cost reductions an overall quality of use.

Methodology

Should the requested funding be made available the Kenai Peninsula Borough would immediately double its efforts to reduce the gravel road issues on the Tier list in the order of priority established by the Roads department and Service area. This effort would provide a significant impact to many long outstanding issues that exist in our roads network and work toward the goal of bringing all existing Roads Service Area roads up to standard and subsequently reducing maintenance costs.

Project Timeline:

The project can commence once funding is secured and is projected to extend over the next five fiscal years.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Kenai Peninsula Borough

Grant Recipient Contact Information:

Name: John Hedges
Address: 144 North Binkley Street
Soldotna, AK 99669
Phone Number: (907)714-2260
Email: jhedges@kpb.us

This project has been through a public review process at the local level and it is a community priority.

Project Title: Kenai Peninsula Borough - Rural Community Broadband Development Project

TPS Number: 66739

Priority: 4

Agency: Commerce, Community and Economic Development
Grants to Municipalities (AS 37.05.315)

Grant Recipient: Kenai Peninsula Borough

FY2023 State Funding Request: \$12,500,000

Future Funding May Be Requested

Brief Project Description:

The Kenai Peninsula Borough is seeking \$12,000,000 to facilitate construction of communications infrastructure at up to 20 locations throughout the Borough, and \$500,000 to facilitate a communications study which would establish a long-term roadmap for broadband development within the Kenai Peninsula Borough.

Funding Plan:

Total Project Cost:	\$12,500,000
Funding Already Secured:	(\$0)
FY2023 State Funding Request:	<u>(\$12,500,000)</u>
Project Deficit:	\$0

Explanation of Other Funds:

This project is expected to qualify under Infrastructure and Jobs Act funding.

Detailed Project Description and Justification:

Background

The Kenai Peninsula is home to 27 unincorporated communities that represent unserved or underserved rural Alaskan communities located within the Kenai Peninsula Borough who do not have equitable access to Broadband services. The Kenai Peninsula Borough has many communities and residents that continue to struggle with a lack of available broadband service. The intersection of geographic complexities and multiple ILECs (Incumbent Local Exchange Carrier, AKA phone companies) operating within the Kenai Peninsula Borough presents a challenge when considering Borough-Wide broadband improvements. The fundamental issues underpinning broadband challenges in the Kenai Peninsula Borough fall into two technical categories: Last Mile connectivity to residents and Core Network Infrastructure between communities. Historically, the core infrastructure that connects communities together is the domain of the ILECs, while the Last Mile connectivity is a more competitive market.

Justification

During the Pandemic, the Kenai Peninsula Borough was able to facilitate construction of multiple communication towers throughout the Kenai Peninsula Borough to enable some of the rural communities to have better access to Broadband communications. One of those locations was designed to support both residential broadband and commercial cellular service. As a result, the Kenai Peninsula Borough was able to foster both an immediate improvement in residential broadband service, and we anticipate that a cell carrier will establish service at this location resolving a long-standing deficiency in cellular coverage. The Borough noted that there was an improvement for some of the rural areas, and that there was a significant need for additional services throughout the Kenai Peninsula Borough.

Methodology

We have an existing model that we used previously to begin tower construction immediately to support last mile fixed wireless service, while posturing for a cellular carrier tenant. We feel confident this will prove effective throughout the Kenai Peninsula Borough. We will

utilize these previous projects as a sample to construct towers at 20 locations throughout the Kenai Peninsula Borough. These location selections would be developed in concert with local service providers, as well as the communications study, and would seek to capitalize on existing Borough infrastructure while also considering the geography impacting fixed wireless deployments.

The Borough seeks to provide unincorporated communities, rural communities, underserved, and unserved communities the opportunity to receive access to broadband as we are able to provide it through this funding opportunity. We will utilize the funds, and the communications study to aid our development and placement of communications towers to provide benefit to the community as a whole.

The Kenai Peninsula Borough may seek to contract a portion of this project.

Project Timeline:

The project can commence once funding is secured and is projected to extend over the next five fiscal years.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Kenai Peninsula Borough

Grant Recipient Contact Information:

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Soldotna, AK 99669
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This project has been through a public review process at the local level and it is a community priority.