

FY 2010 Capital Request Gustavus Bridge and Culvert Replacement

FY10 Capital Project Request Form for District: C HD 05

Grant recipient name: City of Gustavus

Physical location of project: Gustavus

Project Title: Replace Rink Creek Bridge and Good River Road Culverts

Brief Description of Project: The bridge and culverts are located on primary access roads. The aging single lane Rink Creek Bridge does not permit adequate access for heavy vehicles travelling to the Falls Creek Hydroelectric Project or emergency response vehicles. The Good River Road culverts are undersized with no headwalls. Lack of headwalls causes sloughing and narrowing of the road. Both bridge and culverts need to be replaced and upgraded for safety and improved vehicle access.

Total Cost of Project from Inception to Completion: \$930,000

State Fiscal Year 2010 Funding Request from the State: \$930,000

If your project is funded this year, will you be requesting state funding again? No

Funding Plan

Please list any funding **already secured**, as well as the year it was secured:

Funding Source	Amount Secured State FY
Federal Funds	0
State Funds	0
Denali Commission	0
Rasmusson Foundation	0
Local Funds	0
Other Funds (explain)	0

Please list any non-state funding currently **requested but not yet secured**:

Funding Source	Amount Requested State FY
Federal Funds	0
State Funds	0
Denali Commission	0
Rasmusson Foundation	0
Local Funds	0
Other Funds (explain)	0

If you need additional funding to complete this project, please indicate below from whom you intend to secure that funding:

Funding Source	Amount Needed State FY
Federal Funds	0
State Funds	0
Denali Commission	0
Rasmusson Foundation	0
Local Funds	0
Other Funds (explain)	0

Please provide a detailed description and project justification

Please see attachment.

Please describe the project time-line and when expenditures will occur:

Upon notification of funding, RFQ will be issued and awarded. In July 2009 state permitting process will begin. In May 2010 construction begins, to be completed by October 30, 2010.

Who will be responsible for providing the ongoing maintenance and operation costs?

City of Gustavus

Grant Recipient Contact Information:

Contact Name: Mayor, City of Gustavus

State Tax ID Number: 27-0085777

Phone Number: 907-697-2707

Mailing Address: Mayor, City of Gustavus, PO Box 1, Gustavus, AK 99826

E-Mail: mayor@gustavus-ak.gov, clerk@gustavus-ak.gov

Has the project gone through a public review process at the local level and is it a community priority by resolution or other official action by the governing body?

Yes. Please see attachment.

You must provide documentation (ie. Copy of resolution and/or appropriate letter(s) of support)

If your project request has not gone through a public and/or governing or appropriate review process for your community or school district then it may not make it through the Legislative process of approval.

If this form is missing information that is not provided in a timely manner, your request will not be able to be included in the FY10 capital project funding requests as we will will not have the information needed to fully support your project should there be questions our office may be asked to answer regarding your project.

Replace aging single lane bridge over Rink Creek with two lane bridge.

Purpose and Need:

Rink Creek Road is a principal roadway maintained by the City of Gustavus. Its 6 mile length connects the center of town to several neighborhoods and business, including our electric utility (the Falls Creek hydroelectric project), and it is the only thoroughfare through the entire eastern sector of Gustavus, providing essential access for residents and businesses and delivery of City services such as fire and emergency response. Rink Creek Bridge is a single lane bridge of timber frame construction, built around 1981 or 1982. It is the only bridge that crosses Rink Creek.

Although the David Hawes Rink Creek Bridge inspection of May 22, 2006, and the subsequent report issued June 14, 2007, states the timber frame bridge “was heavily built and its members are in good condition”, it did not actually survey the deck because of a railroad flat car placed directly on top of the bridge by the hydroelectric project contractor who was concerned the heavy equipment could not safely cross the bridge. The contractor plans to remove the steel flat car at the completion of the project. Mr. Dawes recommended the bridge be load-rated. Also of concern are the approaches to the original bridge. They dip down below the level of the road, and visibility is poor coming around the corner to the bridge. Frequently cars have to pull aside suddenly to avoid a collision from oncoming traffic. In the winter, the approaches are often slippery with ice and cars sometimes lose traction trying to get up the other side. The approaches to the bridge have washed out as recently as 2005, making the bridge impassable, with flowing water covering the bridge.

Request:

The City of Gustavus is asking the Alaska State Legislature for assistance in providing funds necessary to construct a bridge to meet current standards. This would be two 11-foot lanes plus 4-foot shoulder (30' wide top) and about 60 feet long with 1 ½:1 slopes up from a 20 foot streambed at flow line. This includes approaches on each side of the bridge, plus the survey, permitting/environmental, ROW, design, advertising, award, construction administration and inspection. This would increase safety for the citizens of Gustavus, enhance emergency services access to businesses, residences, and the Falls Creek hydroelectric project, and reduce the possibility of the bridge being closed due to flooding or washing away.

Location:

This project will be located at Mile 4.7 Wilson/Rink Creek Road. With approach work and the bridge construction, the area to be impacted will be less than ¼ acre. Most of the work will take place within the dedicated City right-of-way.

Plans:

Improvement to Wilson/Rink Creek Road was identified as a priority in the Gustavus Strategic Plan. The City of Gustavus passed Resolution No. 2004-05, *A Resolution of the City of Gustavus in Support of a Proposal to Improve Wilson/Rink Creek Road in Gustavus.*

Business Plan:

The City of Gustavus will solicit bids from an engineering firm to design a bridge including the approach roadway on each side of the bridge and prepare a scope of work statement. Based on this package the City of Gustavus will prepare a request-for-quotes and solicit bids from responsible contractors to do all necessary surveys, plus permitting/environmental, ROW, design, advertising, award, construction, administration and inspection. The City of Gustavus will be the owner of the bridge when completed, and will be responsible for all maintenance and upkeep.

Budget:

For a two-lane bridge, 30'W including shoulders, and 60' long with approaches

Category	Description	Cost
Structure	60x30x\$300	\$540,000
Approaches		\$200,000
Survey, permits/environmental, ROW, design, advertising, award, construction administration, inspection		\$110,000
Total		\$850,000

Good River Culvert Replacement**Purpose and Need:**

Good River Road is a principal roadway maintained by the City of Gustavus. It has many side streets that have no other access. Two tenths of a mile from its beginning at Mountain View Drive, a pair of three foot culverts cross Good River. These are about half full of sediment and have no headwalls. The road is sloughing off into the river due to no headwalls. The roadway is getting narrower as time goes by and is creating a public safety concern.

Request:

The City of Gustavus is asking the Alaska State Legislature for assistance in providing funds necessary to replace undersized culverts, install headwalls, and all other necessary work to complete this project.

Location:

The crossing is located two tenths of a mile from the intersection of good River Road and Mountain View Dr.

Business Plan:

The City of Gustavus will solicit bids from an engineering firm to design a drainage, culvert, and road plan and prepare a scope of work statement. Based on this package, the City of Gustavus will prepare a request for quotes and solicit bids from responsible contractors to do all necessary earth work and install two six foot culverts with headwalls. The City of Gustavus will be the owner of the culverts when completed and will be responsible for all maintenance and upkeep.

Budget:

Two culverts side by side, 6' diameter, 30' long

Category	Description	Cost
Culverts with headwalls	66'x\$600/ft	\$40,000
Approaches	Both sides of culverts	\$25,000
Survey, permitting/environmental, ROW, design, advertising, award, construction administration, inspection		\$15,000
Total		\$80,000

City of Gustavus, Alaska

Resolution No. 2008-26

A RESOLUTION IN SUPPORT OF THE PROPOSAL TO REPLACE RINK CREEK BRIDGE AND GOOD RIVER ROAD CULVERTS FOR FUNDING THROUGH THE STATE OF ALASKA CAPITAL IMPROVEMENT PROGRAM

WHEREAS, Rink Creek Road and Good River Road are primary thoroughfares within the City of Gustavus, providing fundamental transportation needs for residents and businesses with no alternate routes into central Gustavus; and

WHEREAS, the Rink Creek bridge is the only access from Gustavus to the Falls Creek hydroelectric project; and

WHEREAS, the Rink Creek bridge is a substandard wooden one-lane bridge never constructed to perform the increased year-round functions which it is currently fulfilling and is vulnerable to floodwaters during certain periods due to lack of proper construction; and

WHEREAS, Good River Road culverts currently exist in a deteriorated state, and the road is marginally passable due to deterioration of the culverts and shoulders of the road; and

WHEREAS, the age and condition of the Rink Creek bridge and Good River Road culverts may preclude the delivery of emergency services by the City of Gustavus and consistent transportation of children to school; and

WHEREAS, road improvements such as these were identified as a high-priority project in the 2005 Gustavus Strategic Plan,

NOW THEREFORE BE IT RESOLVED, the Gustavus City Council, in an effort to improve the safety and reliability of basic surface transportation supports for submission the proposal to **replace Rink Creek Bridge and Good River Road culverts** for a CIP grant.

PASSED and APPROVED by the Gustavus City Council, this 11th day of December, 2008.

William Unkel, Mayor

Paul Berry, Vice Mayor

Wayne Howell, Council Member

Sandi Marchbanks, Council Member

John Nixon, Council Member

Joe Lassiter, Council Member

Lou Cacioppo, Council Member

Attest: Kapryce Manchester,
City Clerk