

**Agency: Commerce, Community and Economic Development****Grants to Municipalities (AS 37.05.315)****Grant Recipient: Tanana****Federal Tax ID: 92-0068214****Project Title:****Project Type: Maintenance and Repairs**

# Tanana - Comprehensive Drainage Project

**State Funding Requested: \$40,000****House District: 6 / C**

One-Time Need

**Brief Project Description:**

Remedy severe dust and drainage problems at the Village of Tanana.

**Funding Plan:**

Total Project Cost:	\$309,000
Funding Already Secured:	(\$54,000)
FY2013 State Funding Request:	<u>(\$40,000)</u>
Project Deficit:	\$215,000

*Funding Details:*

*The City has previously applied to the Federal Highway and Water Administration for funding to conduct this project but the application was not funded in 2011.*

**Detailed Project Description and Justification:**

The Tanana Comprehensive Dust Control and Drainage Project will conduct a village-wide drainage improvement plan as prescribed in the 2011 Tanana Drainage Plan, conduct re-surfacing of 4.1 miles of village roads and apply dust control agent.

Implementation of the prescribed improvements in the Tanana Drainage Plan (TDP) total \$214,700 and the re-surfacing/dust control component total \$94,300. Total Project cost is \$309,000 of which the City of Tanana will donate \$54,000 worth of gravel and heavy equipment usage to the Project.

The project has been divided into segments. The total CIP request for this portion of the project is \$40,000. This funding will allow installation of two culverts required for flood prevention and will be followed by pre-preparation of this portion of the roadway (leveling of the roadbed, reapplication of D1, and compaction) followed by application of the dust inhibitor.

The 4.1 miles of village roads at Tanana are degrading and posing safety risks to village residents who drive on them with automobiles, light trucks and ATVs. Of safety concern is that Tanana roads are also used heavily by pedestrians and local government officials are worried that the poor road conditions could cause motorized vehicles to lose control and possibly strike pedestrians. This Project would upgrade the roads and make for safer and more efficient driving conditions. Implementation of the prescribed improvements in the Tanana Drainage Plan (TDP).

The Village's drainage infrastructure is a critical support element to the road system at Tanana. The 2011 Tanana Drainage Plan (TDP) is a guide to identifying existing drainage conditions from storm water runoff within the populated area of Tanana; and has recommended actions to: correct deficiencies and improve existing drainage features in order mitigate the

roads system from future deterioration.

The improvements prescribed in the TDP are to protect existing and future infrastructure from storm water runoff that causes soil erosion, water pooling and flooding in unwanted locations in and around the City of Tanana. Soil erosion, pooling, and flooding occur after runoff from storm events and spring melt follow topography and terrain altered by man-made development.

Stormwater is regulated on the state and federal level as a non-source pollutant. Polluted stormwater causes changes in hydrology and water quality, increases flooding, decreases aquatic biological diversity, and increases erosion and sedimentation to the village's roads.

Dust control on Tanana roads will lessen the environmental and health related impacts to the village's residents and especially to the high level of pedestrian users of the roads at Tanana. The drainage improvement component of this funding application will reduce erosion of the village roads and thereby greatly extend the longevity of these roads.

Both components of this Project will improve efficient transportation of goods and services throughout Tanana. There are significant centers of trade at Tanana including commercial fishing and logging which are dependent on use of Tanana roads. Commercial fishermen and loggers require access to the Yukon River to access fisheries and forest resources. Similarly, commercial fishermen and loggers utilize village roads to transport their harvests to processing plants and to customers.

Tanana is undertaking a number of significant community development activities including expanded residential development, conversion of all public facilities from imported petroleum space heating to woody biomass space heating and implementation of a mass-transit (bus) system. The targeted residential development areas will benefit from this project by improving drivability and safety to pedestrians. This Project will facilitate more efficient transport of woody biomass throughout the village for space heating purposes which will result in increased employment at Tanana and reduced energy costs. Also, this Project will facilitate the community's bus system and lessen maintenance to rolling stock.

This Project will promote road system longevity and lessen long-term replacement costs. The Project will also lessen dust dispersion which has an adverse impact on the natural and human environments at Tanana. This Project will enhance private sector business development in value-added fisheries and forestry products and businesses.

This Project will improve livability at Tanana improving the safety to pedestrians by improving roads to make them more drivable and safe to operate motorized vehicles on. The Project improvements will also create a traffic calming effect. Pedestrians will also be exposed to much less dust once the Project is completed.

This Project will also improve the state of good repair and minimize life-cycle costs. This Project can be performed during 2011 and the City has also in-kind gravel and equipment in-hand to start work immediately. The City will donate an estimated 2000 yards of gravel at \$15/yard (totaling \$30,000) and 480 hours of equipment time at \$50/hour (totaling \$50,000).

**Project Timeline:**

This project will be carried out fall, 2012 as follows:

- \* Installation of drainage culverts throughout the village - August, 2012
- \* Roads contouring and resurfacing work - September, 2012
- \* Dust control agent application September - October, 2012

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

City of Tanana

**Grant Recipient Contact Information:**

Name: Al Ketzler, Jr  
Title: City Manager  
Address: 249 Second Street  
Tanana, Alaska 99777  
Phone Number: (907)978-5848  
Email: beartanana@gci.net

Has this project been through a public review process at the local level and is it a community priority?  Yes  No

# CITY OF TANANA

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## RESOLUTION NUMBER 2012 - 18

### A RESOLUTION SUPPORTING FY2013 FUNDING FOR CITY OF TANANA CAPITAL IMPROVEMENT PROJECT (CIP) NUMBER ONE PRIORITY

**WHEREAS**, it is the City of Tanana's mission, purpose and vision to improve the health and welfare of the residents of Tanana, and

**WHEREAS**, the City of Tanana operates and maintains the road system within Tanana Village and has created a drainage development plan for the village, and

**WHEREAS**, the Tanana Village experiences severe dust conditions during the summer and fall from the gravel roads in the village and also experiences erosion to parts of the village's roads caused by inadequate drainage in the village, which poses health hazards to village residents and especially to elders, and

**WHEREAS**, Tanana Village also experiences erosion to parts of the village's roads caused by inadequate drainage in the village, and

**WHEREAS**, the City of Tanana desires to remedy dusty conditions at Tanana through dust control treatments of the village's roads and to also implement drainage improvements as recommended in the Tanana Drainage Plan, and


**WHEREAS**, the estimated cost of the Tanana Comprehensive Dust Control and Drainage Project is \$309,000 of which the City of Tanana will contribute \$54,000 of in-kind services including heavy equipment usage, city gravel and administrative overhead and thereby leaving a balance of \$255,000 which is being requested from the Alaska Legislature.

**THEREFORE BE IT RESOLVED**, that the City of Tanana hereby certifies that it has received and considered citizen comments and hereby declares that the planned Tanana Comprehensive Dust Control and Drainage Project is the City's top community development priority.

**BE IT FURTHER RESOLVED**, that the City of Tanana hereby requests a Legislative CIP appropriation in the amount of \$255,000 for purposes of implementing the Tanana Comprehensive Dust Control and Drainage Project during 2012.

"NUCHALAWOYYA" – Where the two rivers meet.

This resolution was duly adopted by the City of Tanana at a meeting held at the City's office in Tanana, Alaska on the 18<sup>th</sup> day of January, 2012 by the following vote: Ayes 6, Nays 0, Abstain 0.

CITY COUNCIL: 

ATTEST: 