


MEMORANDUM

CITY/BOROUGH OF JUNEAU
Public Works Department
5433 Shaune Drive, Juneau, Alaska 99801

DATE: August 2, 2005

TO: Merrill Sanford, Chair
Public Works and Facilities Committee

FROM: Joe Buck, PE 
Public Works Director

SUBJECT: FY07 ADEC Matching Grants Program Requests

The purpose of this memorandum is to provide the Assembly's Public Works and Facilities Committee (PWFC) with a list of priority utility projects for submittal to the Alaska Department of Environmental Conservation (ADEC) for the FY 2007 Matching Grants Program.

ADEC grant questionnaires are due by August 16, 2005. ADEC staff will score project submittals from around the state and a grant priority list will be submitted to the Governor for consideration in the FY 07 State budget.

Funding for this grant program has been reduced by the Legislature over the past several years due to reduced participation in the program by the Federal Government. Competition for the available funds by communities throughout Alaska is getting tougher. With this in mind, the Public Works Department and the Engineering Department have met and discussed those projects that have the greatest odds for success in the grant program. At the recommendation of the ADEC grant program administrators, project sizes are limited to approximately \$2,000,000. This would make the State grant approximately \$1,000,000 per project for the 50/50 match program.

The capital projects being proposed for Juneau are:

1. Lower West Mendenhall Valley Sewer Extension, Phase 1: \$2,200,000

Project Narrative: This project would involve design and construction of a new pressure sewer main from the Mendenhall Wastewater Treatment Plant, under the Mendenhall River, to a pump station on the west side of the river; new gravity sewer mains; manholes; service laterals; cleanouts; drainage repairs/replacement; and roadway repairs/paving. The estimated project area would include Industrial Boulevard, Maier Drive, Brandy Lane, Crazy Horse Drive, Bentwood Place, and Barrett Drive. The project will probably be done in multiple phases (2) depending on funding. The Phase 2 project cost estimate is approximately \$2,100,000. Local matching funds would be from the proposed 1-percent Special Sales Tax.

2. Casey-Shattuck Subdivision Water, Sanitary Sewer, and Storm Sewer Replacement Project, Phase 1: \$1,700,000

Project Narrative: This project would involve design and construction of new water, sanitary sewer, and storm sewer system in the Casey Shattuck subdivision. This area is served by a combined sanitary and stormwater sewer system which is in advanced stages of deterioration.

Combined sewer systems are no longer allowed under the Federal Clean Water Act. The CBJ has been working to replace all of the combined sewer systems in downtown Juneau and Douglas for the last 15 years. This will be the last major downtown area to have the sewers separated. Separation of the stormwater from the sanitary system will result in increased treatment plant capacity at the Juneau-Douglas Wastewater Treatment Plant. This added capacity will be needed to accommodate future sanitary sewer expansion along North Douglas Highway. The water and combined sewer systems are approximately 40 years old and in very poor condition. Work will include replacement of gravity sewer mains; sanitary manholes; sewer service laterals; cleanouts; water mains; fire hydrants; water services; stormwater mains; catch basins; stormwater manholes; storm water service laterals; pavement, sidewalk, curb/gutter replacement. The estimated project area will include the residential areas from West Eighth Street to West Eleventh Street, Capital Avenue to D Street, Irwin Street and Martin Road. The project will probably be done in multiple phases (3) over 4 to 5 years depending on funding. The Phase 2 and Phase 3 project cost estimates are approximately \$1,700,000 each. Local matching funds would be from customer service fees and Areawide Sales Tax.

3. Mountainside Lift Station (Twin Lakes #2)
Rehabilitation Project: \$ 650,000

Project Narrative: This project would involve design and reconstruction of the existing mainline sanitary sewer pump station located adjacent to Old Glacier Highway and Twin Lakes by Craig Street (Mountainside Estates). This pump station is one of the mainline stations that handle the entire sanitary sewer from the Salmon Creek/Hospital Area up to Mountainside Estates Subdivision. The station is over 25 years old and in need of replacement of the pumps, piping, control systems, and wet wells. Local matching funds would be from customer service fees.

The dollar values listed represent total project costs for the phase. If a project is scored high enough by ADEC for funding, approximately half the total project cost would be eligible for grant funding.

Should the PWFC have additional projects that need to be included in the list, staff will be available at the meeting to discuss the scope of the work and develop an estimated project cost and schedule for completing an ADEC questionnaire for the program.

cc. Rod Swope, City Manager
Roger Healy, Engineering Director
Rorie Watt, Chief CIP Engineer
Scott Jeffers, Wastewater Utility Superintendent
Liam Carnahan, Utility Engineer