

Climate Change Immediate Action Workgroup - Community Projects

Kivalina

- Permanent Repairs - repair taxiway safety area damaged by the 2005 Bering Sea storms and add 650 lineal feet of shore protection. The estimate for this project increased from the project worksheet amount of \$1.2M to \$6.4M. The consultant has submitted the 95% review package and DOT has requested additional funding from FEMA to cover cost increases.

Shishmaref

- **Relocation Road Reconnaissance Study** – this project will perform a recon study to evaluate routes between the existing village and Ear Mountain (approx. 18 miles). Site visits and public meetings have been conducted and core drilling is underway. Current funding programmed is \$3.7M. Anticipated completion is FFY 2009. Additional \$1M earmark available.
- **Airport Master Plan** – this master plan will deal primarily with issues associated with relocating the airport. It will include scoping, public meetings, site alternatives and wind data collection. The plan is underway with geodatabase information being assembled for land status mapping. Geotechnical fieldwork is in progress. Currently developing potential road options and cost estimates. Anticipated completion is FFY 2009.
- **Runway Rehabilitation** – Repair longitudinal and transverse cracking, repair snow fencing and apply seal coat to entire runway. Design and environmental are underway, construction is tentatively scheduled beyond FFY 2010. Total cost is estimated at \$7.2M.

Unalakleet

- **Beach Road Repairs** – repair beach road near the airport damaged by the 2005/2006 flooding events. The project is currently under construction. \$700K.
- **Airport Paving** – this project will pave the main 6000' runway at the Unalakleet airport. The project is currently under construction (65% complete), with completion expected by September 2009. Contract award \$21.2M.
- **Crosswind Runway Relocation** – this project will relocate and expand the crosswind runway at the Unalakleet airport. Project design is just getting underway, construction is tentatively scheduled for FFY 2010. Total cost is estimated at \$7M.

Newtok

- **Airport Relocation Reconnaissance Study** – Newtok Airport Relocation Reconnaissance Study, March 2008 which includes:
 - A Preliminary Wetlands Determination
 - 2 Year wind study which is about ¾ done (1 ½ yrs. so far)

August 26, 2008

- Preliminary Soils Investigations
- 3 Identified Preferred Alternative locations for an airport out of 6 that were originally identified

As part of the study, there are currently two contracts for more in depth geotechnical surveying and recommendations and an aerial mapping project. The goal after completing the relocation reconnaissance study is to have a definitive recommended location for the new airport with an access road which is to be supported by the data and information gathered and compiled in the study which is to ultimately lead to an Airport Master Plan.

- **Barge Landing Project** - \$3.3M State Legislative Appropriation (FY09) coupled with a \$1M U.S. Dept. of Commerce grant (village of Newtok w/ help from DCCED) for a total of \$3.3M for the design and construction of the barge landing which includes a staging area and an access road to the new “evacuation center”. They’re anticipating the completion of the project by July/August of 2009.

Shaktoolik

- **Landfill road** – construct a ¾-mile long road from the airport to the new landfill site south of the village. The project has been awarded for \$975K. Construction is expected to begin in September 2008.
- **Airport Flood Repairs** – repair safety areas damaged by the 2005/2006 flooding events. Bid award pending approvals (\$650K).

Koyukuk

- **Airport Reconstruction** – project completed 2007; included widening the runway, expanding the safety area and taxiway, constructing a new apron, access road and snow removal equipment building. Total cost for construction was \$10.3M.

All Communities

- **Infrastructure & Erosion Control Design and Environmental Permitting** – Provide coordination and support for projects in the following communities, and develop Geographic Information System (GIS) database in order to facilitate environmental documentation and permitting: Kivalina, Koyukuk, Shaktoolik, Shishmaref, and Unalakleet. FY09 – Phase 8, \$500K.

Future needs

The following items include identified needs for the selected communities. Given the limited time to collect the necessary information, detailed cost estimates are not included.

Unalakleet

- **Barge port improvements** – dredging needed to allow larger vessels access to community
- **Community Expansion** – extend power, water and sewer across slough to allow for expansion of subdivisions
- **Erosion Control** – Provide erosion control to village

Koyukuk

- **Road access for village relocation** – infrastructure needed to relocate community out of flood plain

Kivalina

- **Infrastructure Development** – improvements and expansion of infrastructure to allow for community relocation
- **Road to Relocation Site** – access road needed to relocate community. Costs unknown and dependent upon final relocation site choice.
- **Airport Relocation** – approximately \$30-50M
- **Erosion Protection** – provide erosion protection at existing village site

Shishmaref – issues/needs similar to Kivalina

Shaktoolik

- **Evacuation Road** – construction of evacuation road for community. Approximately \$40M.

All Communities

- **Community Road Improvements** – all six villages need improvements to local roads