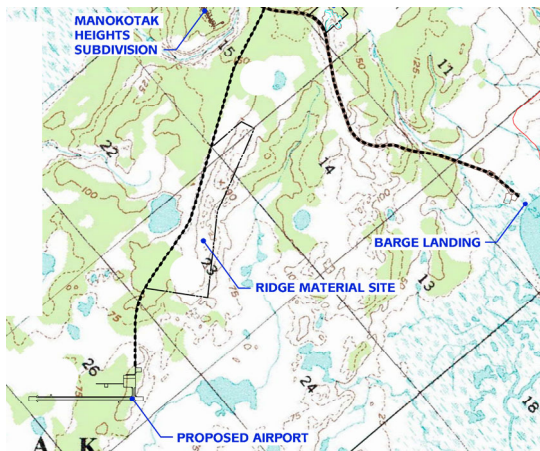




PDC INC. ENGINEERS

Transforming Challenges into Solutions



Manokotak Airport Relocation

Manokotak Airport's location next to an 850-foot hill precluded a viable straight-in instrument approach, which severely limited access during inclement weather. The airport is being relocated to flatter terrain eight miles away, near the village's new subdivision. The new 3,300' x 75' runway will accommodate Design Group II aircraft (such as the Caravan 208 and the Beech 1900) used for medical evacuations and greatly enhance safety for travellers to and from the village.

PDC's tasks included:

- Preliminary Scoping
 - wind coverage
 - airspace penetrations and approaches at existing airport
 - viable relocation sites
- Public Involvement
 - throughout project
 - public meetings, questionnaires, and newsletters
 - consensus building for selection of preferred relocation site
- Environmental Assessment
- Airport Layout Plan
- Topographic Survey
 - using RTK GPS
- Design Development
 - all airport facilities
 - two-mile access road
 - airport lighting (MIRL, PAPI, REIL)
 - power line extension
 - new two-bay Snow Removal Equipment Building
 - relocation of the AWSS
- Construction Administration
 - project bid in August 2006

Client:

State of Alaska
Department of Transportation & Public Facilities
Central Region

Location:

Manokotak, Alaska

Project Completion:

2008 (construction in progress)

PDC Involvement:

- Aviation Planning and Airport Design
- Civil Engineering
- Electrical Engineering
- Environmental Documentation
- Land Surveying

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