



ST. MARY'S AIRPORT IMPROVEMENTS

Project Number Z605630000

ANTICIPATED FLEET MIX



CARRIER	# FLIGHTS PER WEEK	TRAFFIC TYPE	AIRCRAFT	DESIGN GROUP	OPTIMAL** RUNWAY LENGTH (ft)
RAVN	9	Passenger	DHC-8-100	B III	4,000
NORTHERN AIR CARGO	Summers: 3/wk Winter: 2/wk	Cargo	737-200*	C III	>6,000
			737-300*	C III	>6,000
			737-400*	C III	>6,000
EVERTS AIR	2	Cargo	DC6	B III	5,000
RYAN AIR	3	Cargo	Casa 212-200	A II	4,000
TRANSNORTHERN	Charter	Cargo	DC6	B III	5,000
LYNDEN	Charter	Cargo	C130	C IV	>5,000
ALASKA DIVISION OF FORESTRY	Every 3-4 yrs	Firefighting	Convair 580	B III	5,000
LIFE MED	Frequent	Medivac	King Air 200	B II	4,000
	Could be called	Medivac	Learjet	C II	6,000

- * Existing runway length is required for 737 airplane to accommodate takeoff and landing distance.
- ** Runway lengths based on preliminary correspondence with air carriers.

PROPOSED PROJECT

The Alaska Department of Transportation & Public Facilities (DOT&PF), in cooperation with the Federal Aviation Administration (FAA), is proposing improvements to the St. Mary's Airport. The project will be funded through FAA grants. Planned Improvements include:

- Resurfacing runways, taxiways, and apron
- Runway safety area improvements
- Replacing airport lighting
- Replacing airfield signs
- Upgrading the segmented circle and wind cones

Construction could occur as early as 2021, however is contingent on available funding.

PROJECT OBJECTIVES & FUNDING

Our goal is to build the project which best meets the needs of St. Mary's and the surrounding communities. In order to ensure we build the right project, we are gathering information about current and forecasted airport operations; the community's key issues; and current airport conditions and future needs. We are also completing a socio-economic analysis for St. Mary's and the surrounding communities. This information will be used to develop a plan to address the safety and compliance issues associated with the substandard Runway Safety Area at the airport in order to secure future FAA funding for needed surfacing and lighting improvements.

Funding for the proposed project is provided by the FAA's Airport Improvement Program.

FAA REQUIREMENTS

The State's proposed project must meet FAA standards in order to be eligible federal Airport Improvement Program funds. DOT&PF is working closely with FAA to ensure that we construct the right project for each community. The standards which will affect this project are:

- 1) **Runway Length.** Runway length is normally based on the "critical aircraft", which is typically defined as the largest aircraft having at least 500 annual operations (takeoffs and landings) at the airport. Runway length can also be justified based on other economic needs. Currently, DOT&PF is developing an aviation and economic forecast to justify the length of the runway needed by communities.
- 2) **The Runway Safety Area (RSA).** RSAs must be sized appropriate for the critical aircraft or we must show in a RSA Practicability Study that our proposed project will construct the most practical RSA given the specific airport challenges.

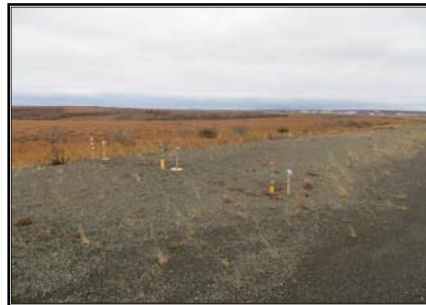


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EXISTING AIRPORT ISSUES

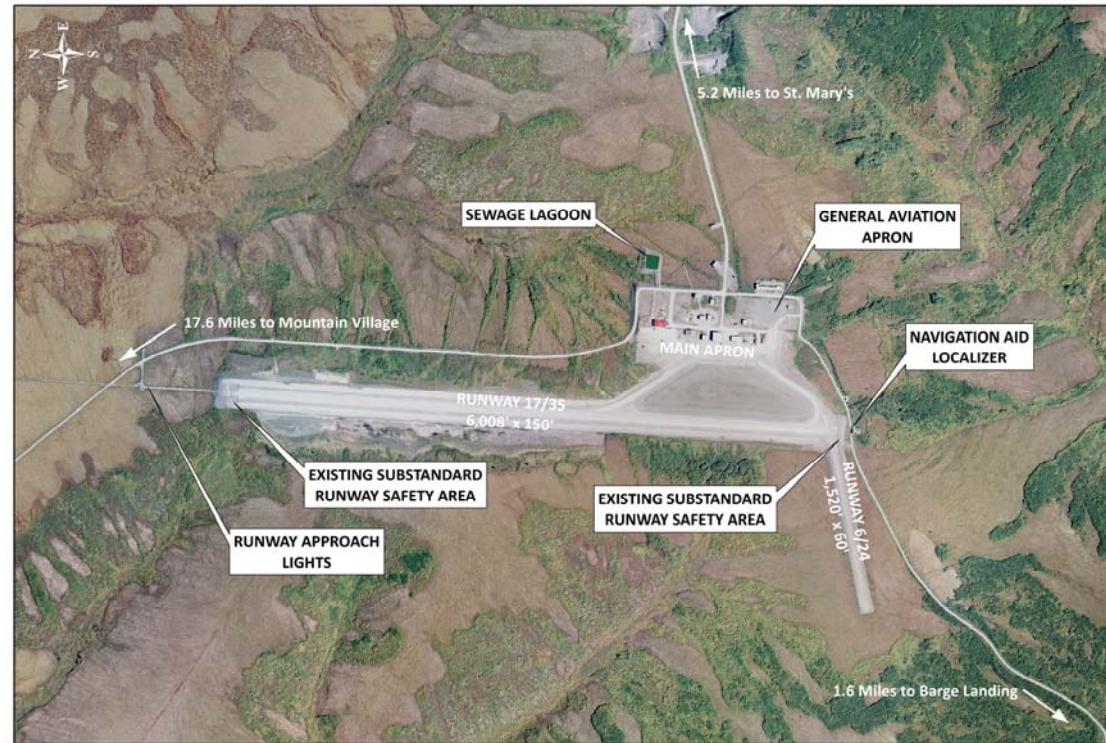
- Airport needs to be resurfaced
- Airfield lighting systems are beyond their service life and need replacement
- Airfield signage is outdated and/or obsolete and needs replacement
- Vegetation is encroaching on the runway and is a safety hazard
- Poor surface drainage results in standing water on the runway and soft runway surface during break-up and rain events
- Existing runway safety areas (RSAs) do not meet the FAA's current standards for length, width, and grade



ON LINE RESOURCES

<http://dot.alaska.gov/nreg/stmarys/>

ST. MARY'S AIRPORT



PROJECT TEAM

DOT&PF

- Christopher Johnston, Project Manager
- Ping Foster, Designer
- Melissa Jensen, Environmental Analyst

HDL Engineering

- Mark Swenson, Project Manager
- Tor Anderzen, Aviation Planner
- Heather Campfield, Environmental Lead/Public Involvement

Northern Economics

- Michael Fischer, Economist





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Fact Sheet



St. Mary's Airport Improvements

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The Alaska Department of Transportation & Public Facilities (Department), in cooperation with the Federal Aviation Administration (FAA), is proposing improvements to St. Mary's Airport. FAA Airport Improvement Program funds are being used for the project, which only allow the Department to do work necessary to support the "critical aircraft". The critical aircraft is the largest type of plane that makes at least 500 operations in a year. The objective of this study is to complete an aviation activity forecast and socio-economic analysis to determine the critical aircraft and ensure we build a project meeting the community's needs.

To determine the critical aircraft for the St. Mary's Airport, the Department is seeking your input regarding the role the airport plays in your community. Your input will help us identify key issues and concerns about current airport conditions and future needs. The information you provide will assist the Department in developing a condition and needs assessment, which will be used to plan for future airport improvements. To date, planned improvements include:

- Resurfacing runways, taxiways, and apron
- Runway safety area improvements
- Replacing the airport lighting and sign system
- Upgrading the segmented circle and wind cones

Frequently Asked Questions

Does the State plan to shorten our runway? No. The current study will identify the critical aircraft at the airport, which will justify the runway length needed in St. Mary's.

Will the gravel surface be replaced with pavement? The runways will be resurfaced using crushed aggregate surfacing (gravel) with a dust palliative.

When will Improvements be constructed? Construction could occur as early as 2021, however timing is contingent on available funding.

To make a comment or for more information please contact:

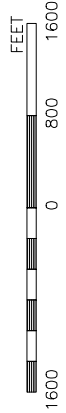
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Project website: <http://dot.alaska.gov/nreg/stmarys/>



LEGEND

- ① RESURFACE RUNWAY 17-35 AND 6-24
- ② RESURFACE TAXIWAY A AND B
- ③ RESURFACE MAIN APRON
- ④ REPLACE RUNWAY LIGHTING SYSTEM
- ⑤ REPLACE TAXIWAY LIGHTING SYSTEM
- ⑥ UPGRADE SEGMENTED CIRCLE AND WIND CONES



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES NORTHERN REGION
ST. MARY'S AIRPORT IMPROVEMENTS
AKSAS Project NO: 60563
DATE: 1/19/2017

