

# Grand Forks International Airport (GFK) Airport Master Plan Study Update Project Newsletter #3: January 2017

## ALTERNATIVE CONCEPTS

### Alternatives Evaluation Process

Airport development alternatives (options) are formulated to meet the needs of airport users as well as the strategic vision of the airport owner. Alternatives are identified to provide potential solutions to address existing and projected future facility needs; they are unique to the considerations at an airport.

Alternatives are identified and evaluated to help the airport determine its path forward. Each alternative is thoroughly evaluated based on its strengths, weaknesses and implications. After a thorough review process with airport stakeholders and the general public, a preferred alternative is selected by the airport owner to include in the airport's implementation plan.



### GFK Facility Needs

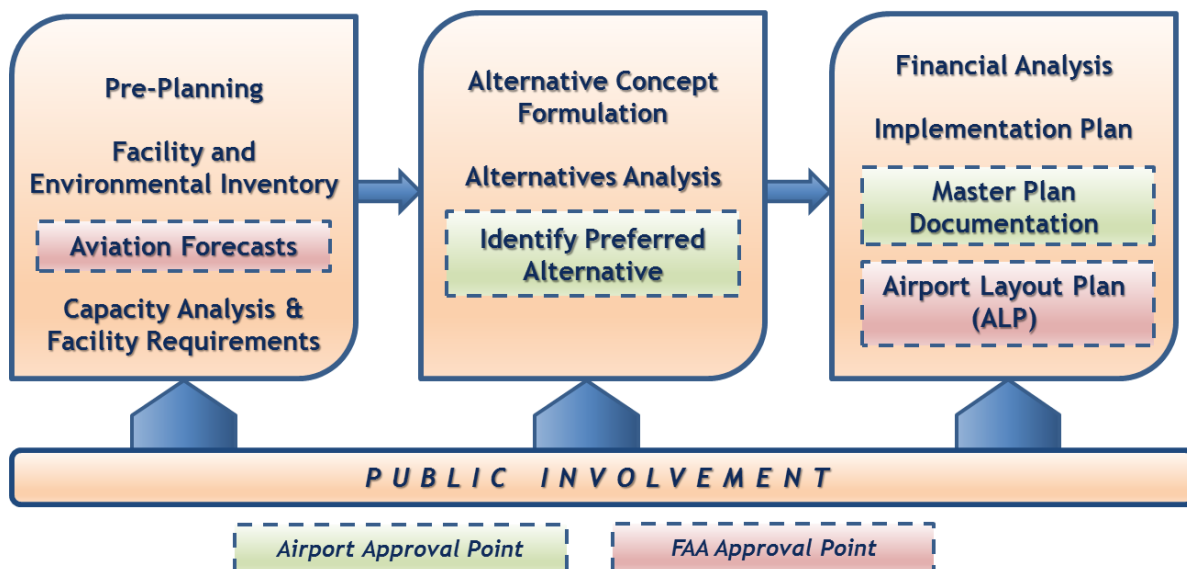
Based on study analysis, solutions need to be formulated to address the following key GFK facility needs:

- Provide operational solution to retain air carrier service during primary runway rehabilitation work
- Correct existing airfield configuration deficiencies over time
- Review capacity enhancements: GFK is currently operating at nearly 80% of operational traffic capacity
- Review passenger terminal complex to accommodate increasing volume of passengers and size of aircraft
- Create flexibility to accommodate new on-airport development opportunities

### Alternative Analysis

At GFK, alternatives are analyzed based on the following factors:

- Operational performance (i.e. meets airport capacity, capability and efficiency needs)
- Best planning tenets (i.e. meets best practices, provides flexibility, socially/politically acceptable)
- Environmental impacts (i.e. noise, wetlands, surrounding land use)
- Fiscal factors (i.e. project cost, available grant funding)



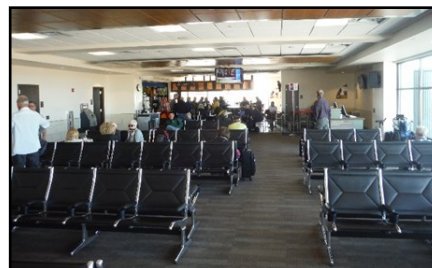
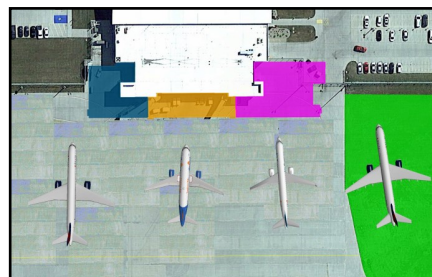
## ALTERNATIVE CONCEPTS

Preliminary airport development concepts have been prepared and shared with airport focus group members. A full alternatives analysis will be completed based on comments received on the concepts.

An overview of the current concepts being evaluated is below. No decisions have been made on a plan. For more detailed information please visit the project webpage at [GFKAirport.com](http://GFKAirport.com).

### Airfield Concepts

- Reconstruct Primary Runway 17R/35L in-place
- Upgrade Taxiway A for Temporary Runway Use during Reconstruction
- Construct Replacement Primary Runway, Convert Runway to Taxiway
- Extend Crosswind Runway 9L/27R for Air Carrier Aircraft Use
- Construct Capacity-Driven General Aviation Runway
- Extend Primary Runway 17R/35L to 8,000 feet (Long-Term)
- Lower Approach Weather Minimums for Runway 17R and 9L
- Provide Various Other Safety and Capacity Enhancements



### Terminal Complex Concepts

- Expand Terminal Building to West to Increase Passenger Space
- Expand Terminal Building to North for Additional Capacity
- Expand Terminal Building to South for Additional Capacity
- Expand Aircraft Apron for Deicing and Provide Secondary Access

### Other Concepts

- Reconfigure West General Aviation Area for Development Opportunities
- Focus East General Aviation Area for Smaller Aircraft
- Construct Replacement Customs Facility in New Location



### Next Steps

- Refine Concepts Based on Focus Group Feedback
- Prepare Alternatives Analysis
- Host Public Open House to Collect Feedback
- Review Feedback and Refine Alternatives
- Airport Owner Selects Preferred Alternative

### Public Outreach

- Visit [GFKAirport.com](http://GFKAirport.com) for detailed study information.
- Submit a comment on the study here: <https://www.surveymonkey.com/r/GFKAirportStudy>
- Participate in future Public Open House meeting
- Contact one of the Key Project Contacts listed below

#### Current Project Schedule\*

Preliminary Concepts	Fall 2016
Preferred Concept	Winter/Spring 2017
Implementation Plan	Summer 2017
Draft Study Documents	Summer 2017
Airport Layout Plan	Winter 2018

*\*Schedule Includes anticipated agency review timeframes*

### Key Study Contacts

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