



**Forest Lake Airport (25D)  
Airport Master Plan Study**

**Kickoff Meeting**  
**September 3, 2019**

 **Forest Lake**  
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& MENK**  
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### **What is a Master Plan?**

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- Evaluation of existing airport conditions to establish future development plans to meet the future needs of the community, City, County, and users
- Study will evaluate short (0-5 year), mid (5-10 year) and long term (10-20 year) development plans
- Final study document will allow for creation of Airport Layout Plan (ALP)
- ALP is document used to identify future development

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## Need for a Master Plan Update

- City has built-out previous 2006 ALP
- Increased hangar interest since paving of Runway 13/31
- MnDOT Aeronautics recommends having updated planning study to evaluate future airport needs and identify funding opportunities



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## Airport Aerial History 2013-2015



09/15/13 13 Hangars



10/11/14 16 Hangars



08/11/15 17 Hangars



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## Airport Aerial History

2016-2018



03/11/16 17 Hangars



04/05/17 19 Hangars  
Runway 13/31 Paved



04/28/18 24 Hangars  
28 Confirmed on 08/27/19  
120'x80' Under Construction



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## Primary Study Objectives

- Aviation forecasting to identify future facility needs
- Runway 13/31 length evaluation to determine future and ultimate runway lengths
- Hangar area development opportunities to meet current and future demand
- Implementation plan to identify funding opportunities for future development



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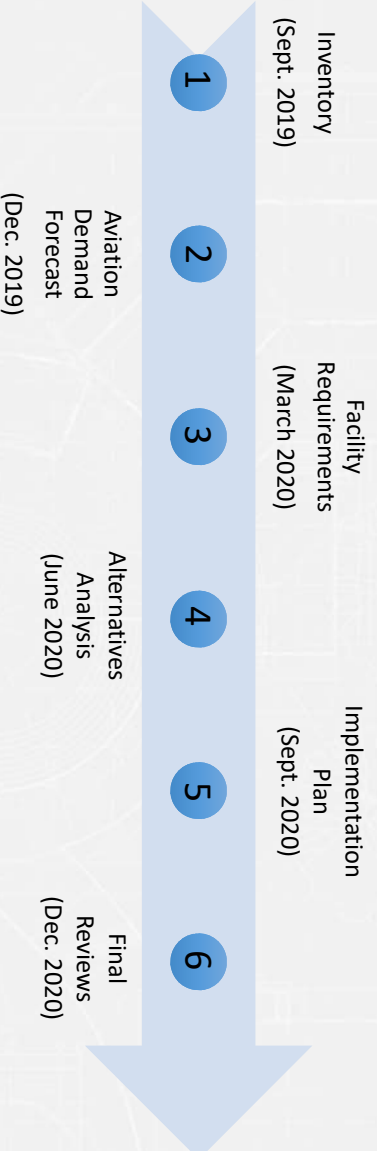
## Master Plan Study Process

- 1. INVENTORY**
  - a. Collect information on existing facilities and the built and natural environment to establish a baseline for the study
- 2. AVIATION DEMAND FORECAST**
  - a. Establish the baseline aviation activity forecast
  - b. Develop reasonable assessment of future activity forecast and based aircraft
- 3. FACILITY REQUIREMENTS**
  - a. Identify future facility needs to meet future demand of airport users
  - b. Identify upgrade or replacement of existing facilities which may deteriorate
- 4. ALTERNATIVES ANALYSIS**
  - a. Identify options for future airport development to meet future needs
  - b. Review feasibility, environmental, and financial impact for each alternative developed
  - c. Selected preferred alternative for development of ALP
- 5. IMPLEMENTATION PLAN**
  - a. Develop CIP for implementation of preferred alternative
  - b. Identify funding opportunities and review financial feasibility of the airport
- 6. STUDY REPORT AND ALP REVIEW**
  - a. Prepare the final Master Plan Report and Airport Layout Plan for City and MNDOT Aeronautics review and approval



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## Master Plan Study Schedule



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### Public Involvement

- Critical to the study's success is input from the public
- Provide guidance and recommendations on future airport development
- Represent all stakeholders
  - Airport users
  - City personnel
  - County personnel
  - Community members
- Review study documents and provide recommendations to City



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## AIRPORT USER SURVEY

### FOREST LAKE AIRPORT (ZSO) AIRPORT MASTER PLAN

The Forest Lake Airport (ZSO) is preparing an Airport Master Plan to evaluate airport facilities to better serve the economic vitality of the Forest Lake community and surrounding area. The data collected in this survey will assist in making decisions on the Airport Master Plan document. No operating information (contact information, membership, etc.) will be published in the report.

The survey can be completed by hand or online. An online version of the survey is available at:  
<https://www.surveymonkey.com/r/KXG2HJ>

Please return the survey, or direct any questions to:  
 SARA Swartz, P.E.  
 Forest Lake Airport  
 10000 W. 111th  
 Eden Prairie, MN 55325  
 Phone: (763) 433-3233 ext. 3010  
 Email: [info@forestlake.com](mailto:info@forestlake.com)

Please complete the following survey to the best of your ability:

- How do you utilize general aviation aircraft?
  - None
  - Recreational/General Avionation
  - Other (Please specify)
  - Business
  - Flight Club
  - Other
- Do you base your aircraft at CHS?
  - Yes
  - No
 If you do not base your aircraft at CHS, please specify where you base your plane at CHS? \_\_\_\_\_  
 If you do not base your aircraft at CHS, please specify how often you use the airport? \_\_\_\_\_  
 What additional facilities would you need to base your plane at CHS? \_\_\_\_\_
- What type of aircraft do you use when flying? If you use more than one aircraft, please include it here:
 

Aircraft Make/Model	Number (Optional)

**The following questions are about your flight operations at CHS.**  
 Please provide an estimate of the number of flights you make to an airport comprised of two operations, arriving at the airport and later departing from the airport. An "operation" operation is a landing or takeoff or an off-airport taxiway from an airport to a destination. Please provide an estimate of the number of flights you make to an airport comprised of two operations, arriving at the airport and later departing from the airport. An "operation" operation is a landing or takeoff or an off-airport taxiway from an airport to a destination. Please provide an estimate of the number of flights you make to an airport comprised of two operations, arriving at the airport and later departing from the airport. An "operation" operation is a landing or takeoff or an off-airport taxiway from an airport to a destination. Please provide an estimate of the number of flights you make to an airport comprised of two operations, arriving at the airport and later departing from the airport. An "operation" operation is a landing or takeoff or an off-airport taxiway from an airport to a destination.

- How often do you estimate your annual operations at CHS?
 

Local Operations	Regional Operations
_____	_____
- Are you considering an upgrade to your aircraft base in the next five years?
 

Yes <input type="checkbox"/>	No <input type="checkbox"/>
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If YES, please indicate the following:

Aircraft Make/Model	Annual Operations at CHS	Reason for Upgrade



6. Are the runway lengths suitable at CHS (adequate for your most demanding aircraft at desired height)?  
 Yes  No 
 If no, what runway length would you require to land at CHS? \_\_\_\_\_  
 If no, what runway length would you require to taxi at CHS? \_\_\_\_\_  
 7. Do you currently fly VFR, what conditions do you make? \_\_\_\_\_  
 (OPTION)

- ## Airport User Surveys
- Airport User Survey
    - Collect data from airport users to evaluate existing airport facilities and what future improvements they would like to see
  - Business Survey
    - Collect data from local businesses on how vital the airport is to them
    - If they use the airport how are their needs met
    - If they do not use the airport why
  - User surveys are critical for developing aviation forecast and future facility requirements
  - Surveys will be completed online and located on the City website
  - Hard copies will also be available at the airport.

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## Next Steps

- Collect airport data from City
- User and Business Surveys
  - Accessible on City's website
  - Hard copies available at the Airport
- Draft Inventory Chapter
- Draft Aviation Forecast
- 1<sup>st</sup> Master Plan Update meeting for December 4<sup>th</sup> Airport Commission Meeting

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## Questions?

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Kickoff Meeting**

**September 3, 2019**

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