

Forest Lake Airport (25D) Airport Master Plan Study

Update Meeting #2

March 4, 2020


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 **BOLTON
& MENK**
Real People. Real Solutions.

1

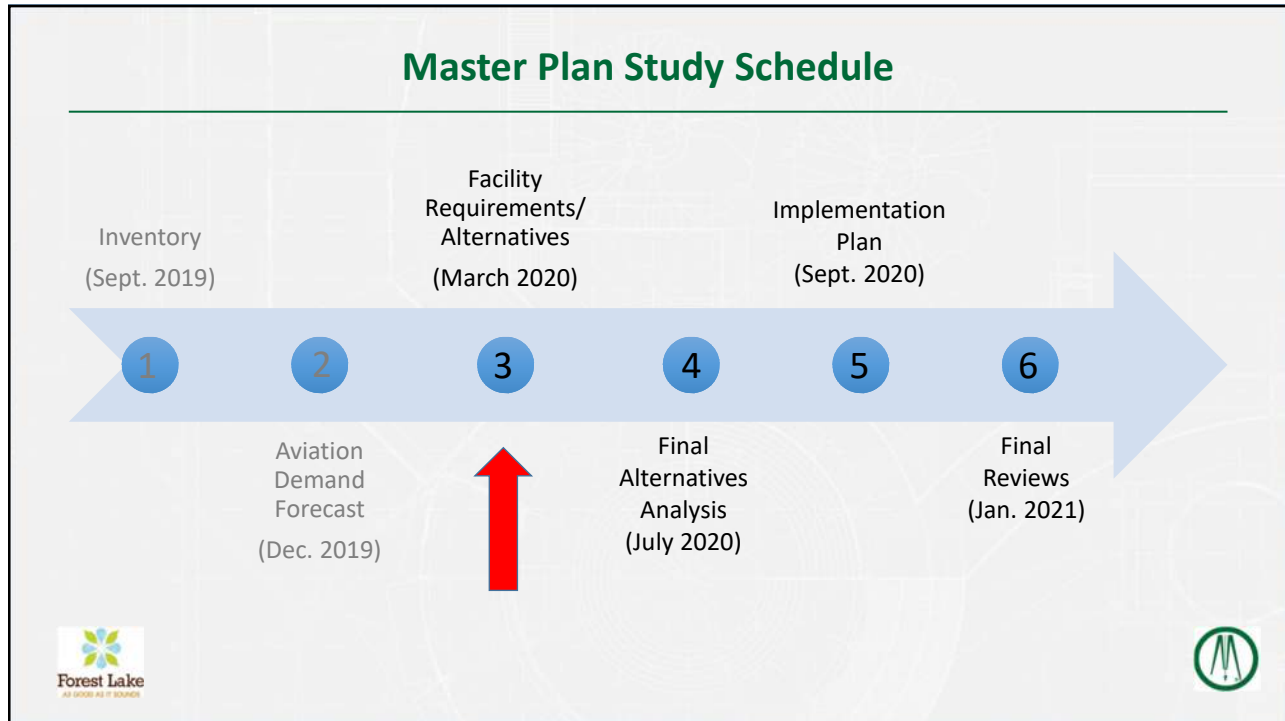
Master Plan Study Process

- 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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2



3

Meeting Agenda

- Review of Facility Requirements
- Building Area Alternatives
- Runway Extension Alternatives

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4

Facility Requirements

- Demand for Hangars
 - Public and Private.
 - Bay and T-Hangars
 - Commercial and GA Sizes.
- Runway 13/31 Extension
 - Future 3,000'.
 - Ultimate 3,300'.
 - Anything longer not cost feasible.
- Approaches to Runway 13/31
 - RNAV (GPS)
- Jet A Fuel



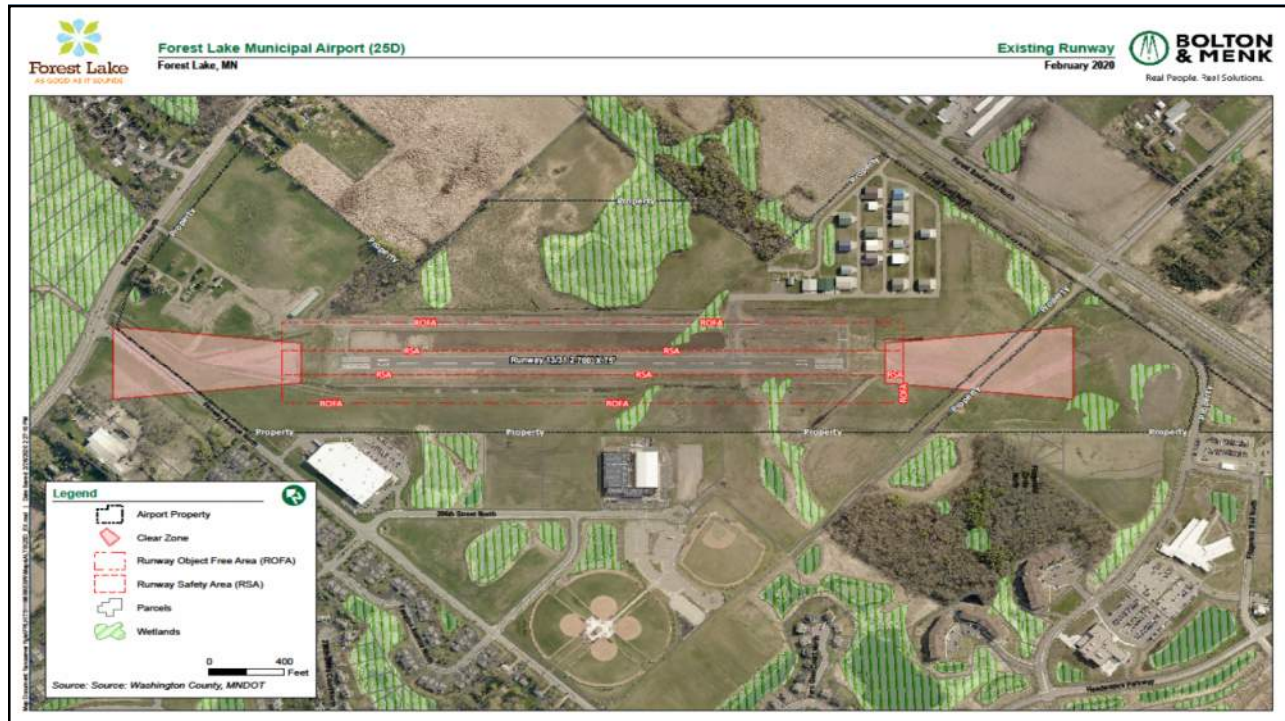
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Alternatives Analysis

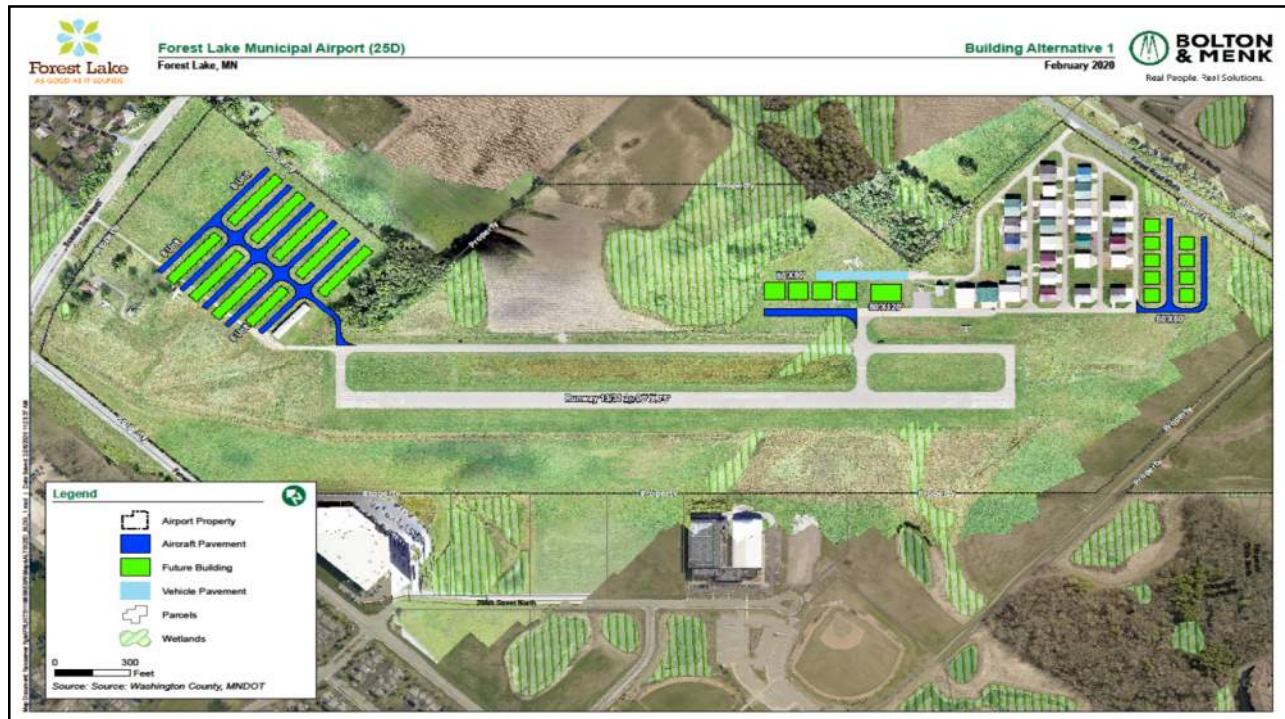
- Different Building Development Options Shown on 3 Layouts.
- Bay Hangars and T-Hangars.
- Layouts can be mixed and matched together to form one preferred layout.
- Discuss any other building types or locations.
- Review Future and Ultimate Runway Extensions to 3,000' and 3,300'.



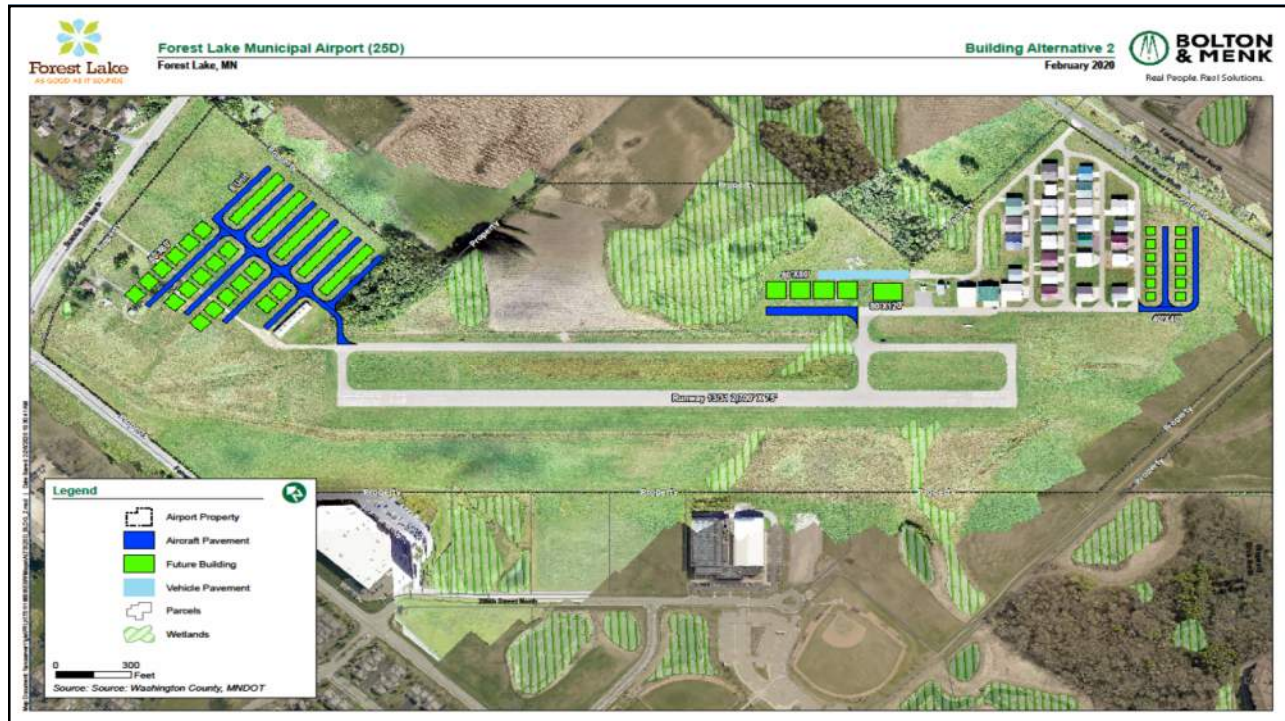
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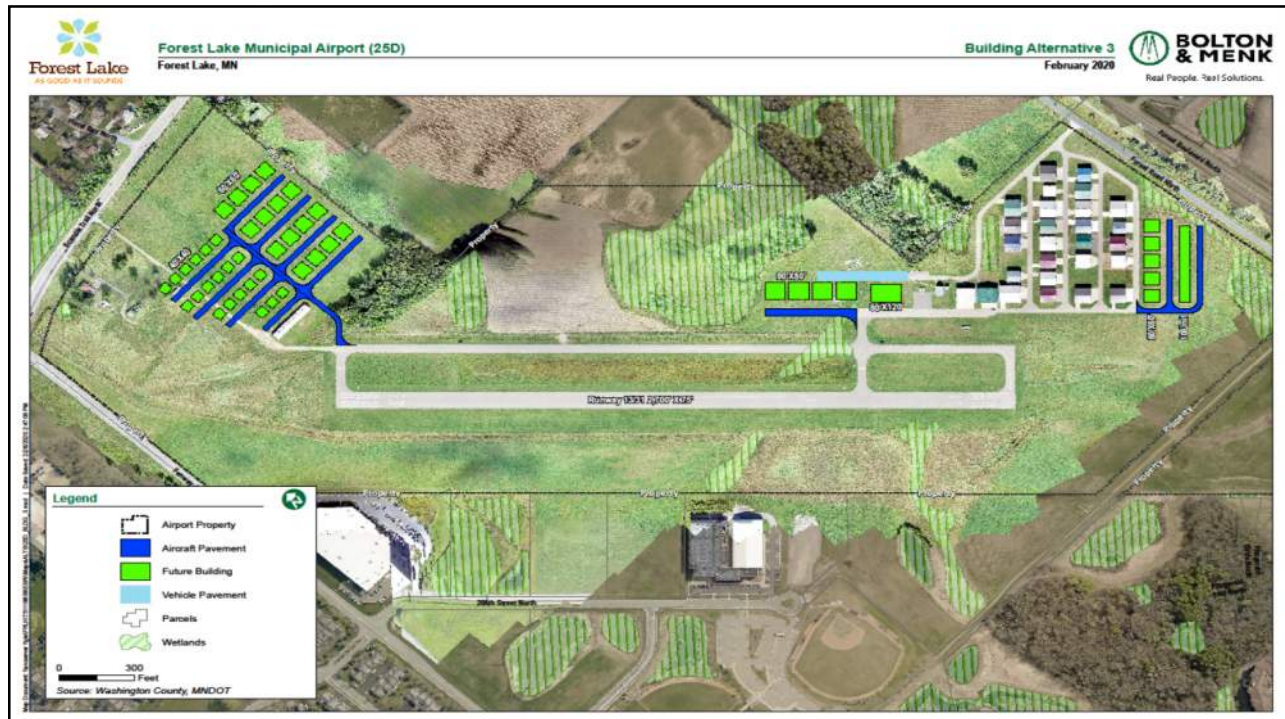
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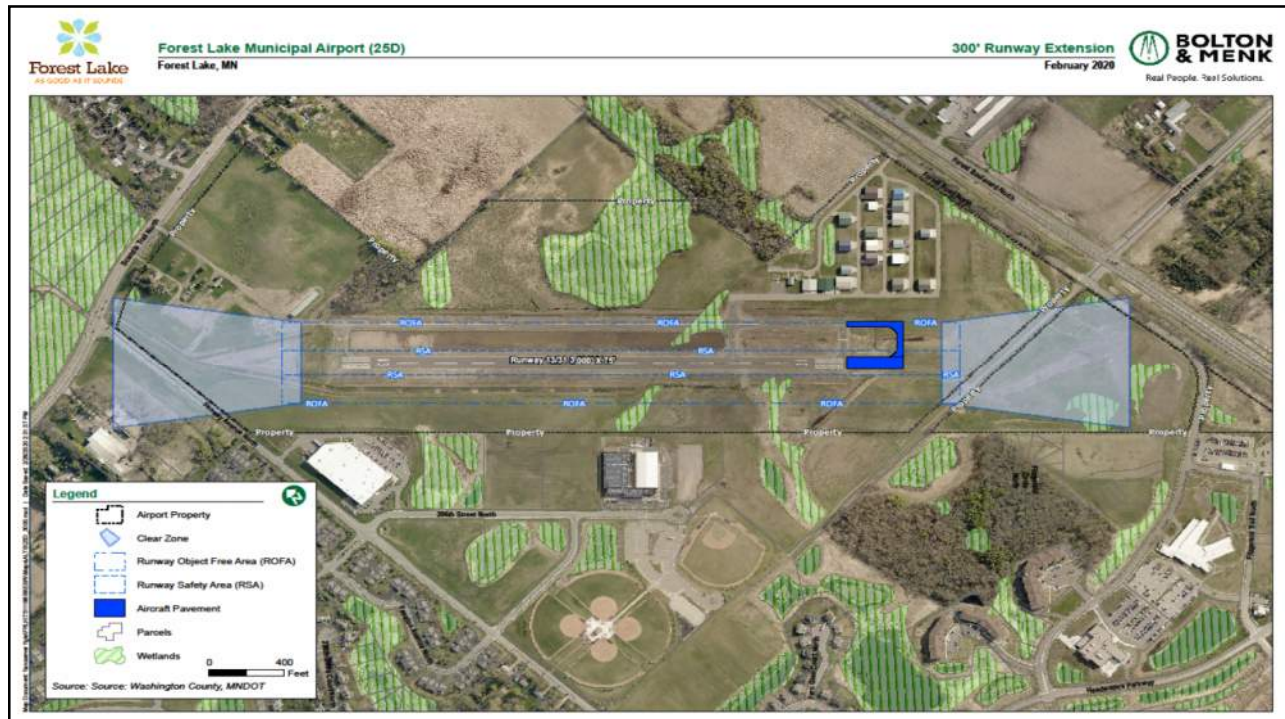
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Building Alternatives Summary

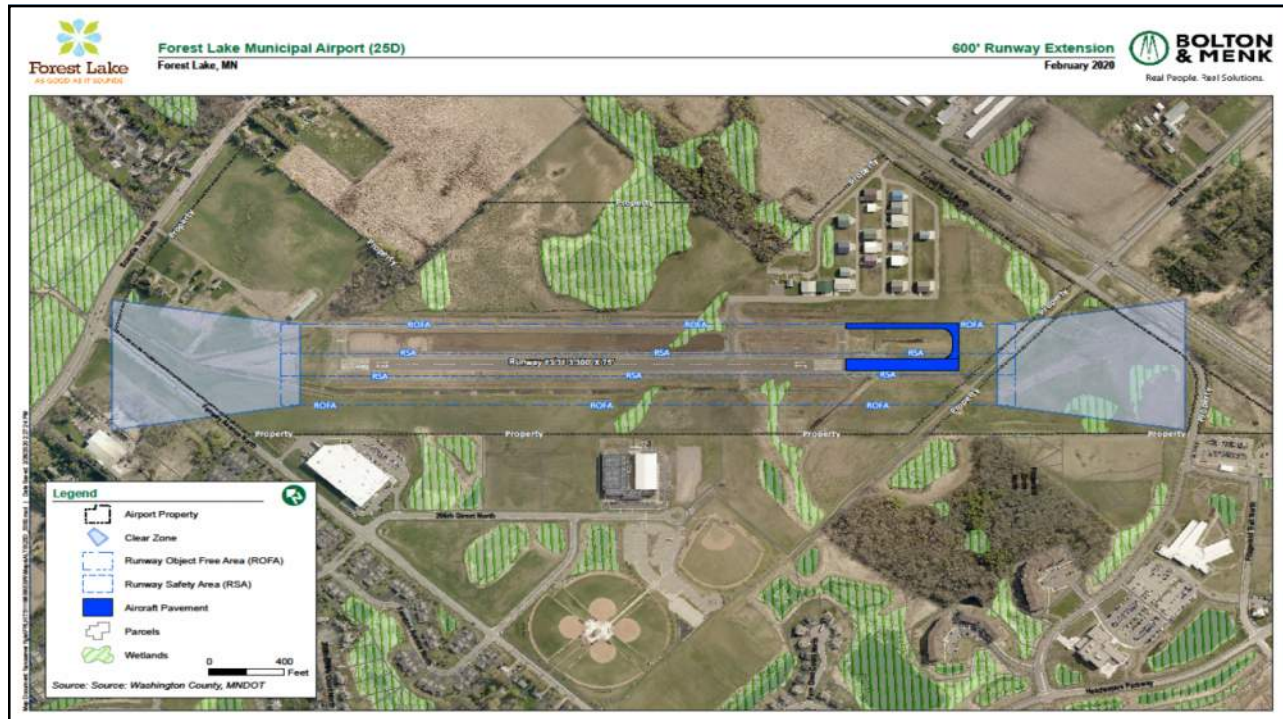
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| <ul style="list-style-type: none"> • Building Alternative 1 <ul style="list-style-type: none"> • SE Hangar Area <ul style="list-style-type: none"> • 90' x 80' Lot Size • 60' x 60' Hangar Size • Corporate Hangar Area <ul style="list-style-type: none"> • 90' x 110' Lot Size • 80' x 80' Hangar Size • NW Hangar Area <ul style="list-style-type: none"> • 6 Unit T-Hangar • 8 Unit T-Hangars | <ul style="list-style-type: none"> • Building Alternative 2 <ul style="list-style-type: none"> • SE Hangar Area <ul style="list-style-type: none"> • 70' x 60' Lot Size • 40' x 40' Hangar Size • Corporate Hangar Area <ul style="list-style-type: none"> • 90' x 110' Lot Size • 80' x 80' Hangar Size • NW Hangar Area <ul style="list-style-type: none"> • 90' x 80' Lot Size • 60' x 60' Hangar Size • 8 Unit T-Hangars | <ul style="list-style-type: none"> • Building Alternative 3 <ul style="list-style-type: none"> • SE Hangar Area <ul style="list-style-type: none"> • 90' x 80' Lot Size • 60' x 60' Hangar Size • 10 Unit T-Hangar • Corporate Hangar Area <ul style="list-style-type: none"> • 90' x 110' Lot Size • 80' x 80' Hangar Size • NW Hangar Area <ul style="list-style-type: none"> • 70' x 60' Lot Size • 40' x 40' Hangar Size • 90' x 80' Lot Size • 60' x 60' Hangar Size |
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11



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13

Feedback on Alternatives

- Hangar layout and sizes?
- Public and private hangar options?
- Future and Ultimate Runway length?
- Short-term vs long-term development?
- Consensus on preferred alternative?

14

Next Steps

- Review Alternatives and Provide Comments to Bolton & Menk.
- Refine Alternatives to Work Towards Preferred Alternative
- Submit Forecast to MnDOT for Review and Approval.
- 3rd Master Plan Update meeting at July 1, 2020 Airport Commission Meeting.
 - Review and Approve Final Alternative.



15

Questions?

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16