Fairmont Municipal Airport

Airport Master Plan Kickoff Meeting – June 11, 2024

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Agenda

- Introductions
- Airport Planning
- Roles & Responsibilities
- Existing Conditions
- Key Issues
- Open Discussion







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Introductions

- Project Team
  - Aviation Planner – Andrew Zielike
  - Airport Engineer – Jake Braunagel
- Fairmont Airport / City of Fairmont
  - Airport Manager – Lee Steinkamp
  - Director of Public Works – Matthew York
- Agencies Involved
  - FAA – Gina Mitchell
  - MnDOT Aeronautics – Danielle Walchuk
- Planning Committee
  - Jay Maynard – City Council/ Airport Advisory Board
  - Wayne Kahler – Kahler Automation
  - Steve Holmseth – Fairmont Aerial Ag
  - Bill Eckles – Bevcomm
  - Dustin Wiederhoeft – Wiederhoeft Welding & Machine

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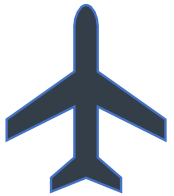
Airport Planning



"Road Map" for meeting aviation needs



Preserves flexibility to respond to future demands



Allows airport to cost-effectively keep pace with aviation growth



Considers environmental and socioeconomic impact of development

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Why is Airport Planning needed now?

Airport Master Planning Study Objectives

- ILS equipment at end of useful life
  - Identify equipment siting that works with existing and ultimate runway
- Evaluate length and location of Runway 13-31
- Review future hangar and taxilane layout.
  - Address drainage and stormwater retention

Last Airport Layout Plan approved in 2010

Replacement of ILS Equipment

ALP brought to current FAA design standards

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Components of a Master Plan



AIRPORT MASTER PLAN NARRATIVE REPORT



AIRPORT LAYOUT PLAN



RUNWAY SAFETY AREA DETERMINATION



EXHIBIT A/ AIRPORT PROPERTY MAP



AERONAUTICAL SURVEY



CULTURAL SURVEY

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Roles & Responsibilities

KLJ Planning Team

- Manage Study, Complete Technical Work, Provide Analysis and Recommendations

Master Plan Advisory Committee

- Identify Wants & Needs
- Ask Questions & Review Analysis
- Provide Feedback & Recommendations

City of Fairmont/Airport Advisory Board

- Provide Guiding Principles, Make Decision(s), Review and Approve Planning Documents & ALP

FAA / MnDOT

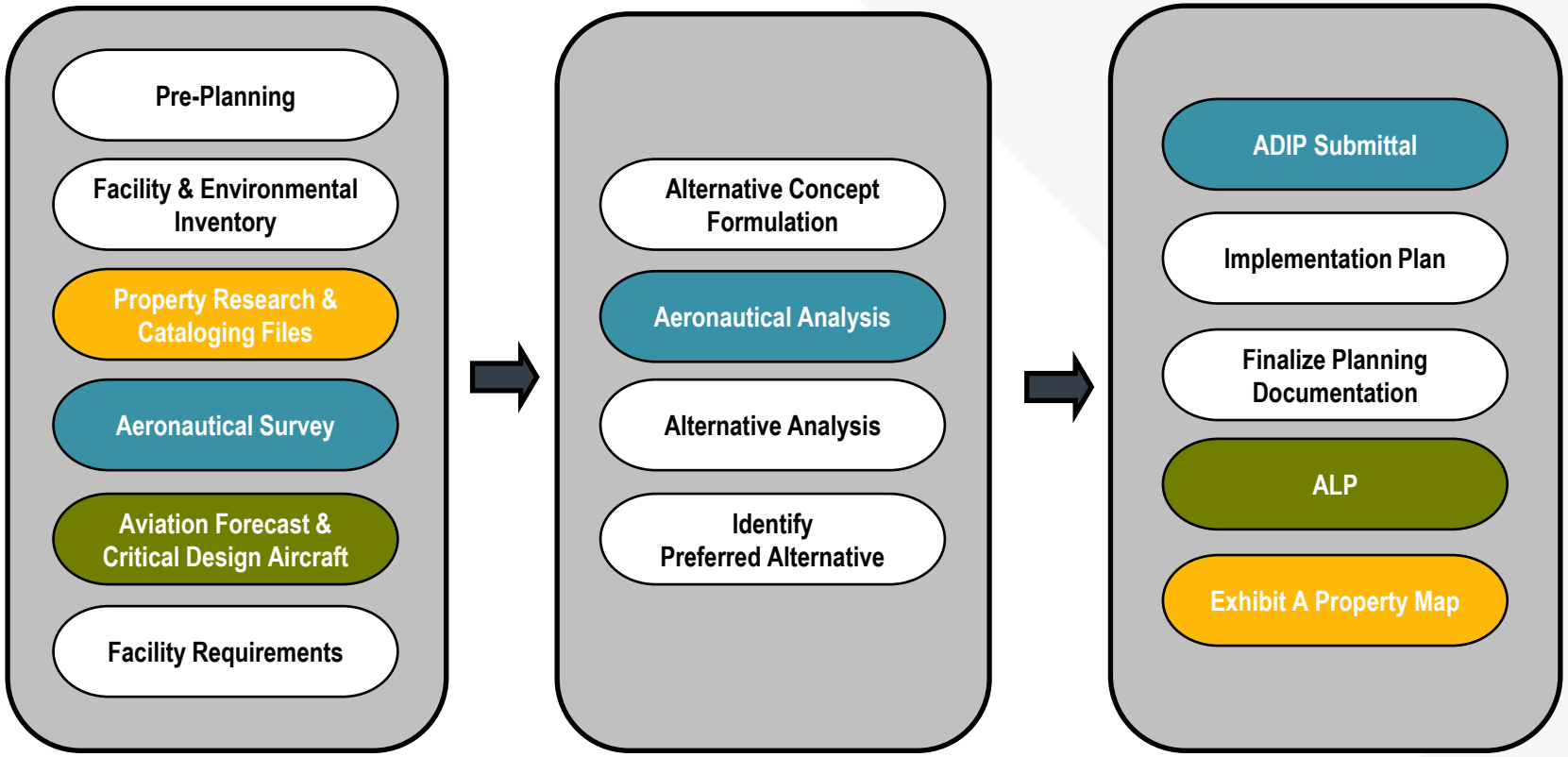
- Provide Technical Guidance, Approve Aviation Forecasts, Review Airport Plan, Approve ALP



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Project Workflow



Public Involvement

FAA Approval Point | ADIP Components | Exhibit A Components

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Existing Airfield

- Primary Runway 13-31
- Crosswind Runway 2-20
- Parallel Taxiway
  - 50’ width
- Automated Weather Observation System (AWOS-III)
- Approach Lighting System
  - MALSR – Runway 31
- Runway 31 ILS Approach
  - ½ Mile Visibility
  - 400’ Ceiling
- Runway 13 GPS Approach
  - 1 Mile Visibility
  - 300’ Ceiling



Terminal Area

- Main Aircraft Apron
  - 670’ width by 230’ depth
  - 19 Tie-down spots
- 6 hangars
  - Combination of Box and T-Hangars, all city-owned
  - 37 hangar units
- 100LL & Jet A
- Agriculture spraying
- Terminal Building
- Maintenance building



Aircraft Operations











9,400 Annual Operations

60% Itinerant

40% Local

31 Based Aircraft

900+ IFR Operations in 2023

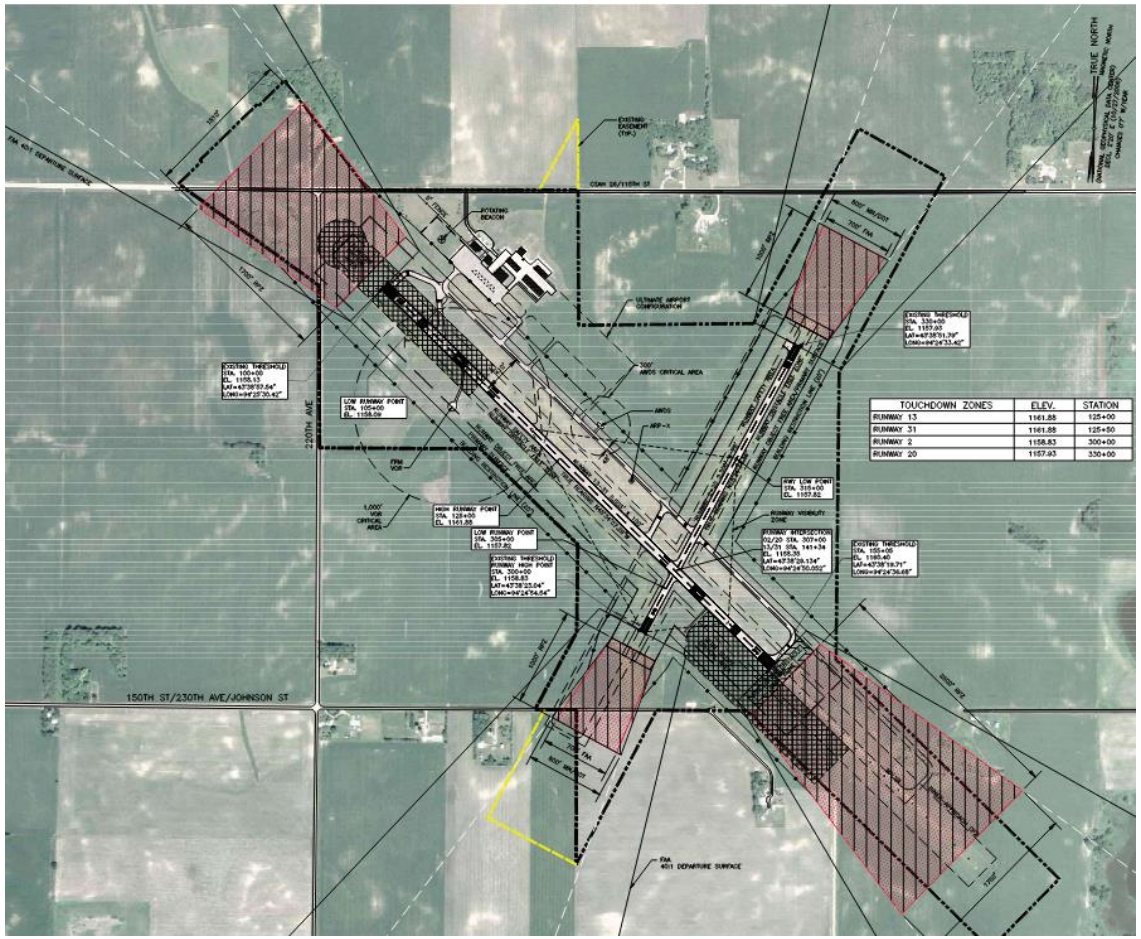
Frequent Mid-size Business Jets

Source: 2023 FAA TFMS, TAF

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Runway Length and Location



- Evaluating the future length and location of Runway 13-31 to address existing deficiencies (ROFA, RSA, RPZ and airspace obstructions)
- Future justification of runway length

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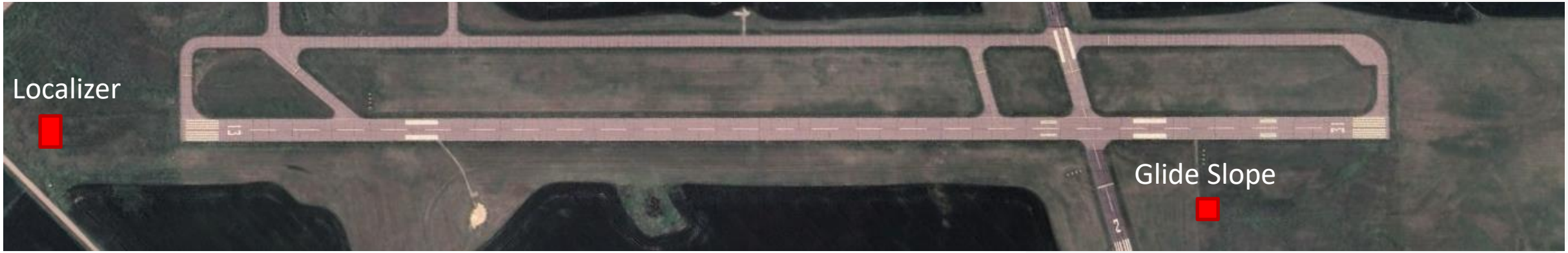
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Instrument Landing System

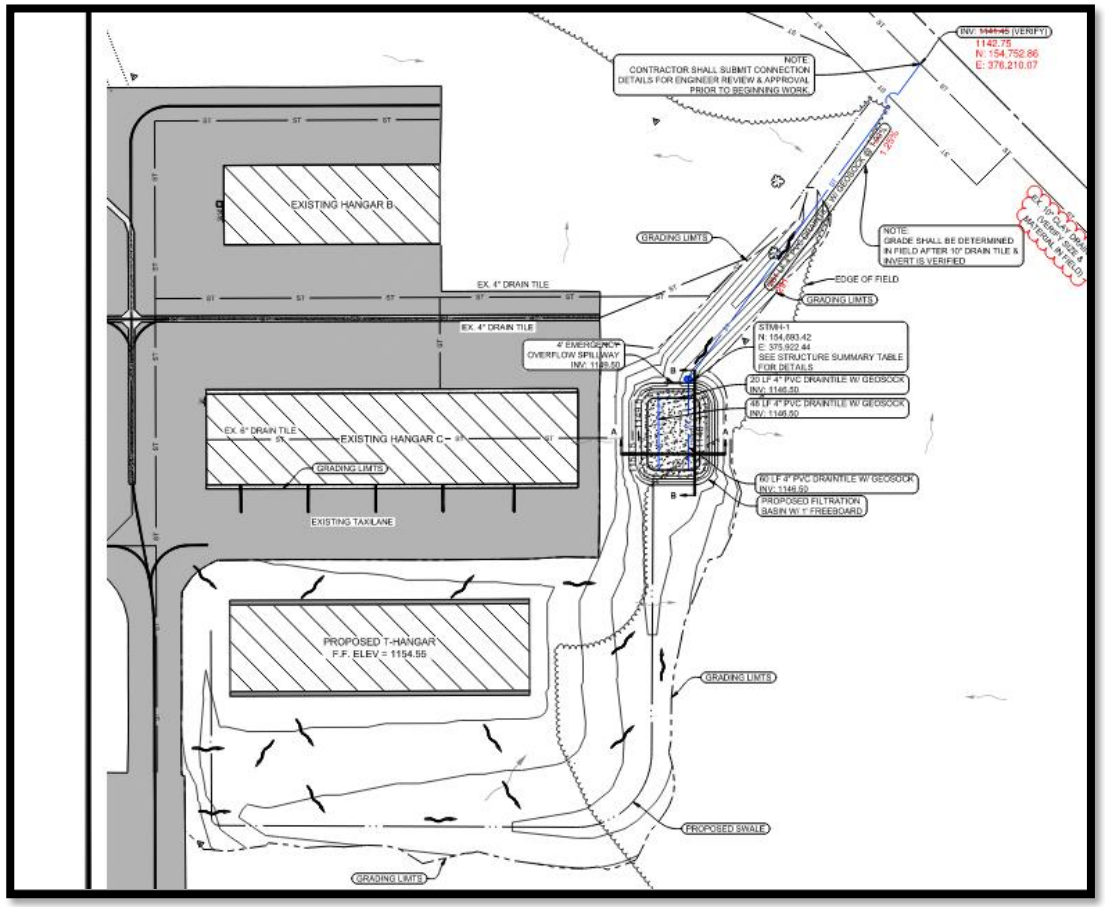
- Equipment at end of useful life
- Existing localizer and glide slope antenna are not located at preferred siting
- Siting equipment that is compatible with future Runway 13-31 location will be a key component of this study

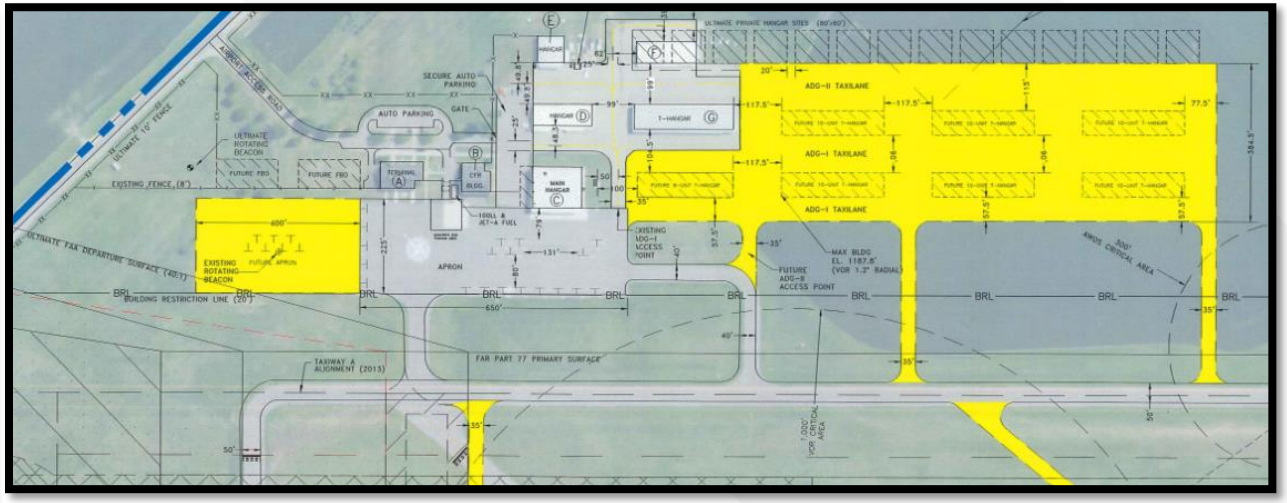






Terminal Area Drainage / Stormwater Retention







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Open Discussion

- Other planning considerations?
- Upcoming changes we should consider?
- Desired improvements to current facility?
- Favorite aspects of current facility?
- Stakeholders or other users we should reach out to?



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Next Steps

- Complete Airport Inventory
- Outreach to Stakeholders
- Draft Aviation Forecasting
- Draft Facility Requirements

- Next Meeting: Aviation Forecast & Facility Requirements

- Website: https://inputcentral.com/fairmont-airport-plan

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Questions/Comments

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