Project Overview & Objectives

- Simplify the airfield layout
- Provide adequate runway length for aircraft currently using the airport
- Provide aircraft with enhanced arrival capabilities, while minimizing airspace obstacles to the main runway
- Improve airfield roadways for airport vehicle circulation
- Expand the airfield apron for additional aircraft parking
- Develop airport-owned property that is not used for airport operations for other uses
- Keep Runway Protection Zones (RPZ) on airport property, if possible

**CRYSTAL AIRPORT PREFERRED ALTERNATIVE**

- Increase Runway 14L/32R Usable Length by 483 Feet
- Reduce Runway 06R/24L (Turf) Usable Length by 454 Feet
- Convert Runway 14R/32L to Parallel Taxiway
- Develop Land for Non-Aeronautical Use
- Potential Tree Removal Study Areas
Environmental Assessment

Crystal Airport

Public Event

Results of the Environmental Analysis

Air Quality

- **Findings:** The minimal impacts expected during and following construction will not exceed significant impact thresholds established by FAA guidance.
- **Actions:** Implement EPA-recommended best management practices and control strategies during construction.

Natural Resources & Energy Supply

- **Findings:** Potential minor increase in energy demand due to additional light fixtures, with possibility of overall reduction in energy demand if Light Emitting Diode (LED) fixtures are installed on the airfield. To be determined during design.

Noise & Compatible Land Use

- **Findings:** Residential exposure to 65 Day-Night Average Sound Level (DNL) noise contour reduced from 12 parcels (No-Action Alternative) to 4 parcels (Preferred Alternative).
- **Actions:** Conduct noise level reduction testing of homes within the 65 DNL noise contour. Update voluntary Noise Abatement Plan. Hold educational briefings with pilots.
Results of the Environmental Analysis

**Socioeconomics & Environmental Justice**

- **Findings:** The project will not significantly influence economic activity or cause any relocation or disruption of the community. While environmental justice populations are present near the Airport, the proposed project does not disproportionately affect these residents.

**Land Use**

- **Findings:** Number of residences within Runway Protection Zone (RPZ) and state Safety Zones projected to decrease with the preferred alternative.

- **Actions:** MAC will convene a Joint Airport Zoning Board (JAZB) to revise the existing Airport Zoning Ordinance.

**Protected Species**

- **Findings:** Endangered rusty-patched bumble bees and threatened northern long-eared bats are found in Hennepin County, but not on or near the Airport.

**Visual Effects (including light emissions)**

- **Findings:** Airfield lighting systems will be extended along the edges of the relocated and extended runway pavement, locating them approximately 1100 feet from the property boundary.

- **Actions:** Energy-efficient light-emitting diode (LED) light fixtures and visual screening methods will be considered during project design.
Results of the Environmental Analysis

Historic, Architectural, & Cultural Resources

- **Findings:** Historians and archaeologists surveyed the Airport and did not find any historic buildings eligible for protection, or any evidence of archaeological materials.

Hazardous Materials, Solid Waste & Pollution Prevention

- **Findings:** None of the hazardous materials sites on or adjacent to Airport property will be affected by the project.

- **Actions:** Dispose of construction materials and solid waste in accordance with state and local laws.

Wetlands

- **Findings:** Estimated impacts of less than 1,000 square feet. Disturbance below significant impact threshold; does not require replacement plan.

Surface Water & Stormwater

- **Findings:** 1.2 acres increased impervious area.

- **Actions:** Stormwater retention or storage that is disturbed will be replaced on Airport property, and runoff to the surrounding neighborhoods will not increase.
Proposed Tree Removal

Trees in Edgewood Park

- Approximately 30 cottonwood trees will penetrate the Runway 14 approach and require removal
- The MAC is working with the City of Brooklyn Park on species selection for replacement trees in the park

Other Trees

- Approximately 50 additional trees on private residential lots and public rights-of-way will penetrate runway approaches
- Homeowners can expect to hear from the MAC in early to mid-2020 and will be compensated with fair market value for trees removed on their property