



Runway Incursion Mitigation (RIM) Program and Related Improvements Environmental Assessment

Public Scoping Open House – Welcome

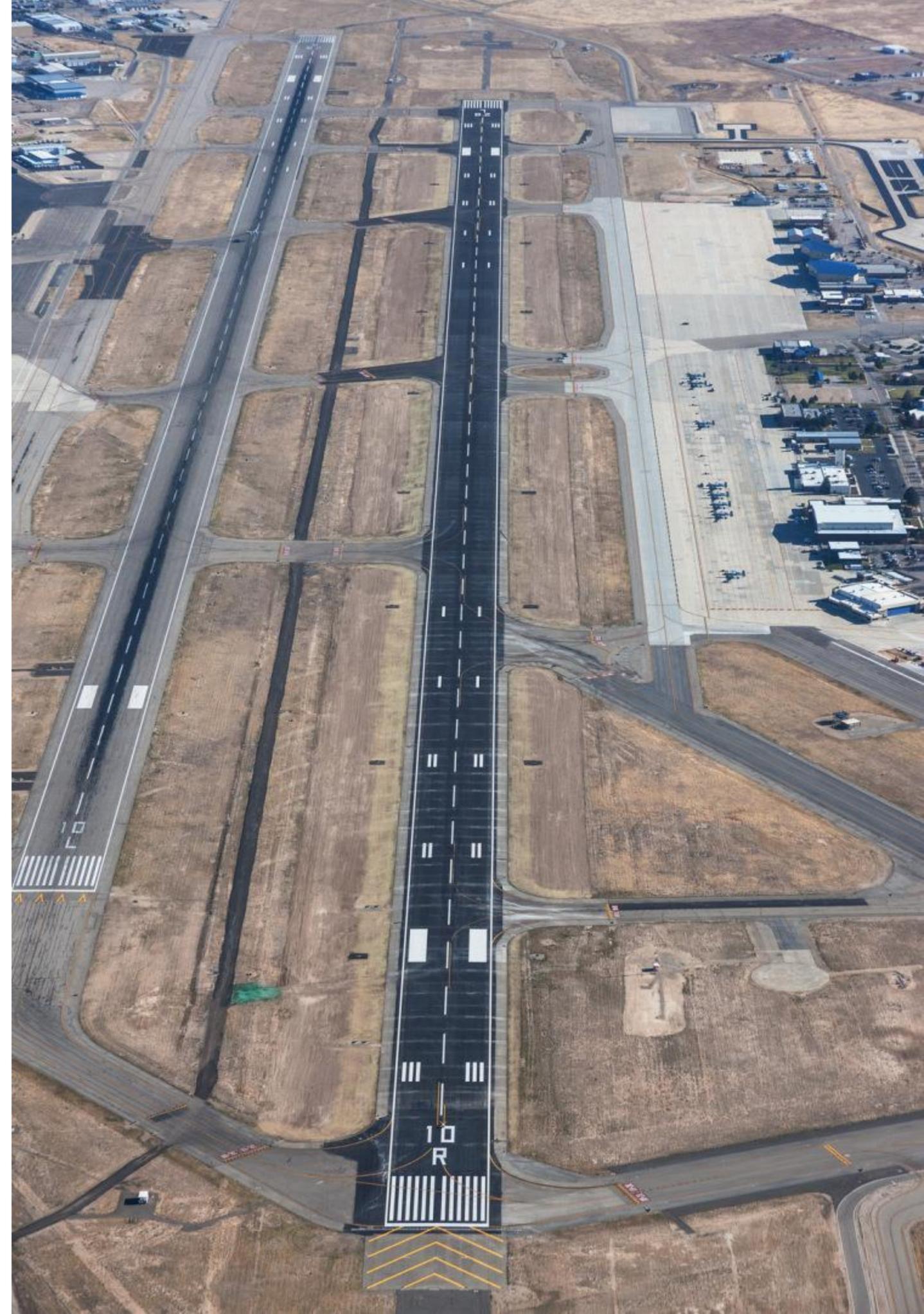
Department of Aviation

JUNE 7, 2022

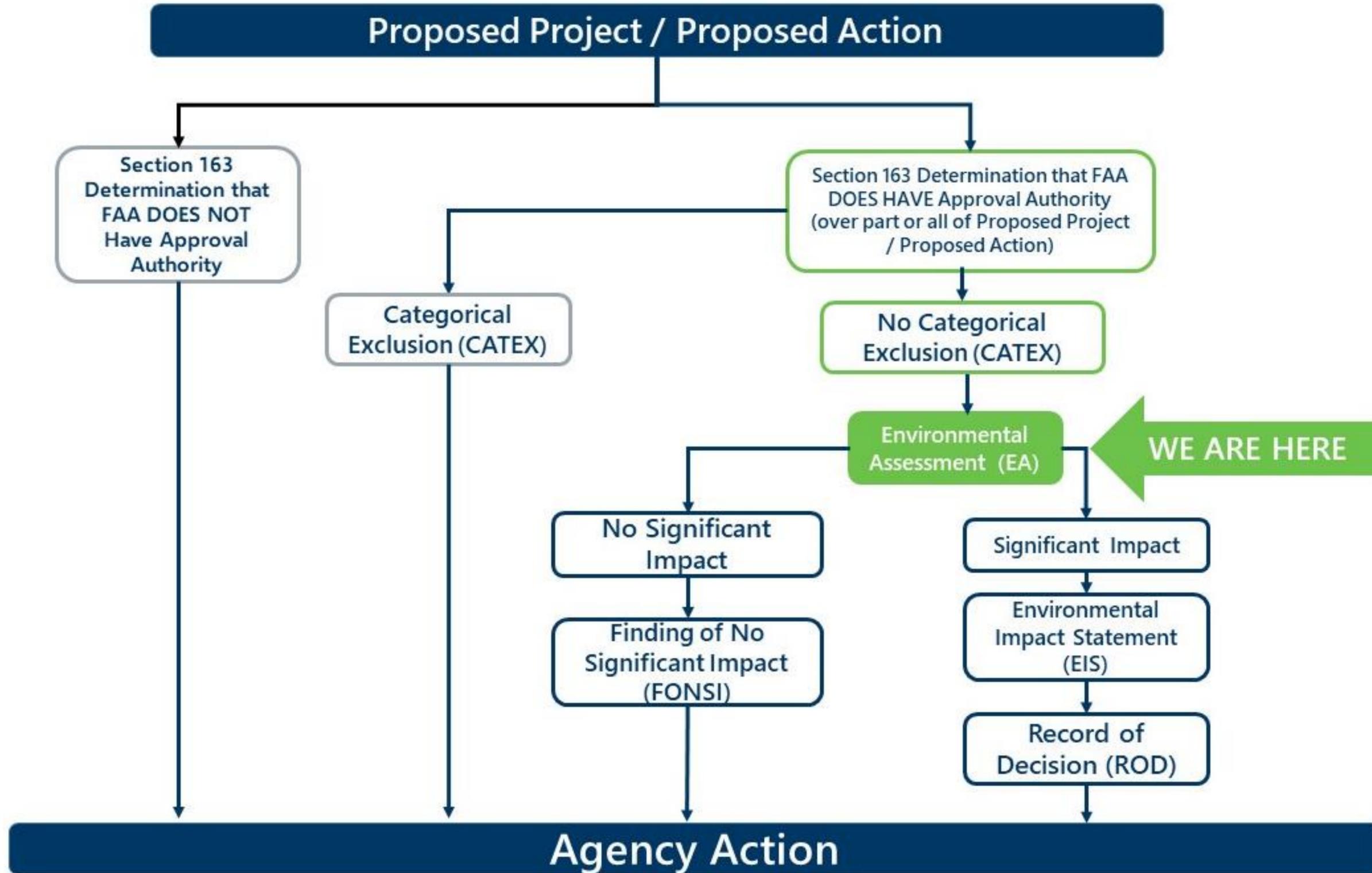
What is NEPA?

- NEPA is the National Environmental Policy Act of 1969
- The Federal Aviation Administration (FAA) is the lead agency for aviation related NEPA documentation
- All NEPA documentation follows guidance provided in Council on Environmental Quality (CEQ) Regulations and FAA Orders

PICTURE: Aerial of Boise Airport showing staggered runway thresholds



The NEPA Process



Scoping and its Benefits

- Provides an opportunity for involvement in the EA process from the start
 - Federal, state, and local agencies and the public can provide information regarding environmental conditions and concerns
- Information received during scoping helps identify areas of concern
 - Issues that arise during the scoping process can help identify areas deserving emphasis or de-emphasis in the EA



Purpose and Need

The “Purpose” and “Need” describe the problem and proposed solution

- **Purpose**

- Enhance runway safety at the Boise Airport

- **Need**

- Correct FAA-designated Hot Spot – confusing taxiway geometry and layout resulting in increased risk for runway incursions
- Correct Nonstandard Taxiway Geometry – nonstandard taxiway geometry resulting in increased risk for runway incursions
- Align Runway Thresholds – staggered runway thresholds are the leading cause for wrong surface landings resulting in increased risk for runway incursions
- FAA included Boise Airport in the RIM Program in 2018

Airfield Geometry Issues



Sources: ESRI, 2022; RS&H, 2022

Legend

- Hot Spot
- Staggered Runway Threshold
- Runway 10L/28R Runway Safety Area (RSA)
- Runway 10L Runway Protection Zone (RPZ)
- Taxiway J - Nonstandard Taxiway Geometry
- Airport Property



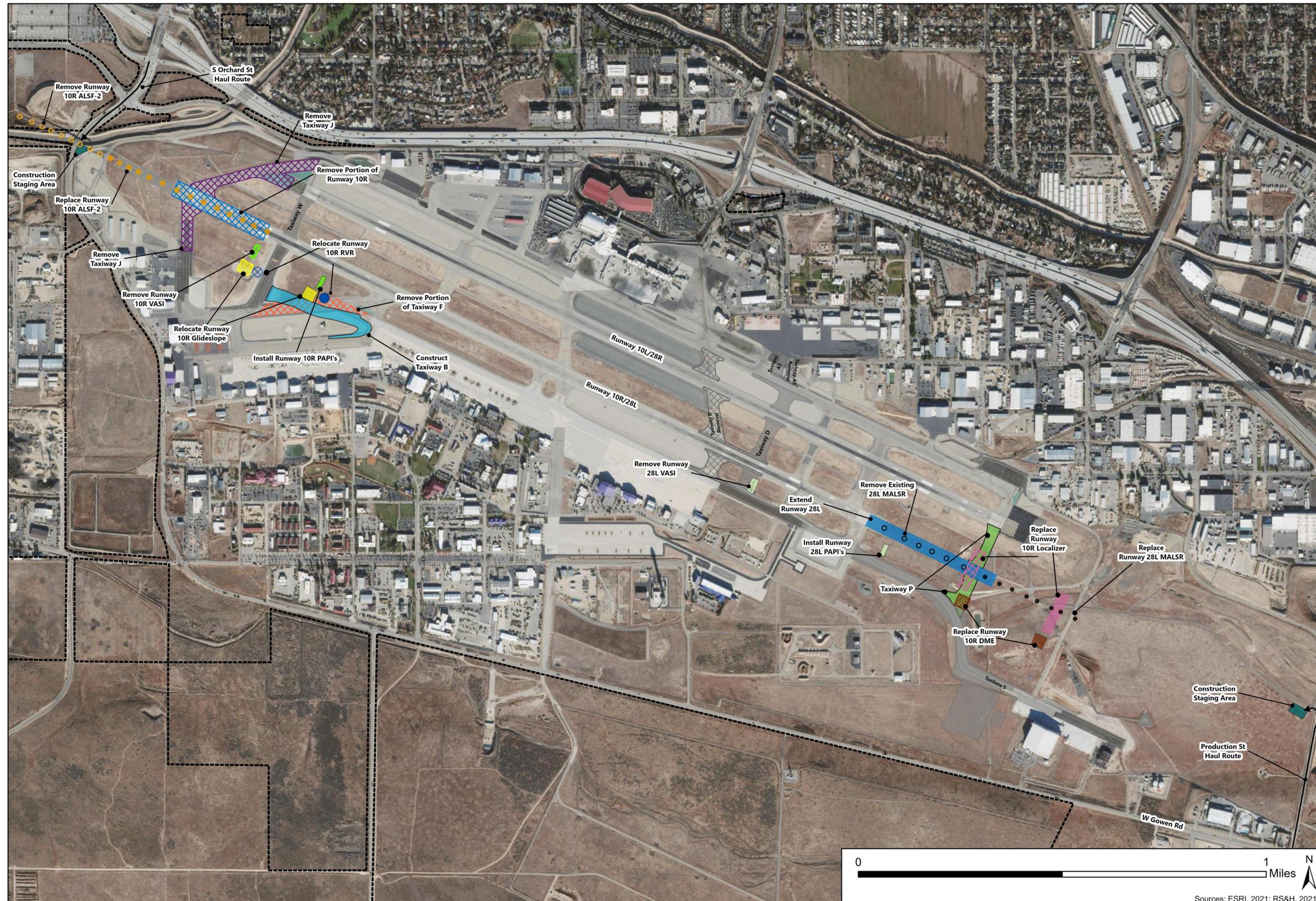
Project Component Not Associated with Proposed Action

- Taxiway Removals
- Taxiway Construction

Proposed Action

- **Navigation Aids (NAVAIDs):**
 - **Relocate Runway 10R Distance Measuring Equipment (DME):** The DME for Runway 10R would be relocated.
 - **Replace and Relocate Runway 10R Localizer:** The localizer for Runway 10R would be replaced with new equipment in a new location.
 - **Relocate Runway 10R Approach Lighting System with Sequenced Flashing Lights (ALSF-2):** The ALSF-2 for Runway 10R would be relocated.
 - **Replace Runway 10R Visual Approach Slope Indicator (VASI) with Precision Approach Path Indicators (PAPIs):** The existing Runway 10R VASI would be demolished and replaced with new LED PAPIs in a new location.
 - **Relocate Runway 10R Glideslope:** The glideslope for Runway 10R would be relocated.
 - **Relocate Runway 10R Runway Visual Range (RVR):** The RVR for Runway 10R would be relocated.
 - **Replace Runway 28L VASI with PAPIs:** The existing Runway 28L VASI would be demolished and replaced with new LED PAPIs in a new location.
 - **Replace Runway 28L Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights (MALSR):** A new MALSR for the Runway 28L would be replaced in a new location.
- **Airfield Pavement:**
 - **Remove 1,341 Feet from the End of Runway 10R:** 1,341 feet of Runway 10R would be removed and relocated to Runway 28L (see bullet below).
 - **Extend Runway 28L by 1,578 Feet:** Runway 28L would be extended by 1,578 feet.
 - **Remove Portions of Taxiway J:** Portions of Taxiway J would be removed.
 - **Construct Taxiway P:** Taxiway P would be constructed off the end of Runway 28L
 - **Construct Taxiway B:** Taxiway B would be constructed off of Taxiway W.
 - **Remove Portion of Taxiway F:** A portion of Taxiway F would be removed.

Proposed Action



- Legend**
- Remove 1,341-Feet of Runway 10R
 - Remove Portions of Taxiway J
 - Remove Portion of Taxiway F
 - Extend Runway 28L 1,578-Feet
 - Construct Taxiway B
 - Construct Taxiway P
 - Construction Staging Area
 - Airport Property
- Navigational Aids (NAVAIDS)**
- Remove Existing Runway 10R VASI
 - Install Runway 10R PAPI's
 - Remove Existing Runway 10R Glide Slope
 - Replace Runway 10R Glide Slope
 - Remove Existing Runway 28L VASI
 - Install Runway 28L PAPI's
 - Remove Existing 28L MALSR
 - Replace Runway 28L MALSR
 - Remove Existing Runway 10R Localizer
 - Replace Runway 10R Localizer
 - Remove Existing Runway 10R ALSF-2
 - Replace Runway 10R ALSF-2
 - Remove Existing Runway 10R DME
 - Replace Runway 10R DME
 - Remove Existing Runway 10R RVR
 - Relocate Runway 10R RVR



Preliminary Alternatives

- Alternative 1: Align Runway 10L/28R Threshold
- Alternative 2: Align Runway 10R/28L Threshold
(Proposed Action)
- No Action Alternative

NEPA Resource Categories

- Air Quality
- Biological Resources
- Climate
- Coastal Resources
- Department of Transportation Act, Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Historical, Architectural, Archaeological, and Cultural Resources
- Land Use
- Natural Resources and Energy Supply
- Noise and Noise-Compatible Land Use
- Socioeconomics, Environmental Justice, and Children's Environmental Health and Safety Risks
- Visual Effects
- Water Resources (including Wetlands, Floodplains, Surface Waters, Groundwater, and Wild and Scenic Rivers)

Preliminary Study Areas



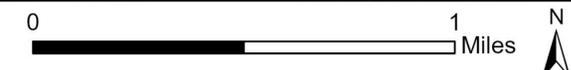
Sources: ESRI, 2022; RS&H, 2022

Legend

-  Project Study Area
-  General Study Area

Project Component Not Associated with Proposed Action

-  Taxiway Removal
-  Taxiway Construction



EA Next Steps

- Describe existing environmental conditions (affected environment)
- Analyze potential environmental effects (environmental consequences)
- Publish Draft EA and hold Public Workshop (anticipated summer 2022)
- Publish Final EA (anticipated fall 2022)
- FAA issues finding (anticipated end of 2022 / beginning of 2023)

How to Provide Scoping Comments

- Fill out comment card this evening
- Provide oral comment to stenographer this evening
- Send written comments via U.S. Mail or drop off comments in person to (must be received by 5:00pm MDT on Thursday, July 7, 2022):

Boise Airport Administration

Attn: Jen Hoffman

3201 Airport Way, Suite 1000

Boise, Idaho 83705

- Send electronic comments via email to julie.barrow@rsandh.com by 5:00pm MDT on Thursday, July 7, 2022

The logo consists of three curved, overlapping shapes: a light green shape at the bottom left, a medium blue shape in the middle, and a darker blue shape at the top right, resembling a stylized wing or a leaf.

Boise Airport

www.iflyboise.com