The Manhattan Project

Legend

N

Proposed Sites

Area Map

K-25
Building Site

Inset 1

X-10 Graphite Reactor

Inset 2

Y-12
Building 9731

Inset 3

Y-12
Building 9204-3

Inset 2

K-25
Building Site

X-10 Graphite Reactor

Inset 3

X-10
Graphite Reactor

Inset 1
Purpose and Need

Need for a New General Aviation Airport in Oak Ridge Recognized by Local Civic Leaders for over 5 Decades

Separate Site Selection Studies Conducted


Metropolitan Knoxville Airport Authority (MKAA) Sponsored a Preliminary Study to Establish an Airport on the Oak Ridge Reservation

The preliminary study began a multi-phase, multi-year process that established the purpose and need to:
1. Improve aviation access to the Knoxville MSA
2. Improve air safety and efficiency
3. Satisfy un-met aviation demand
Purpose and Need

Purpose and need was confirmed through the completion of several documents from 2009 to today.

These studies established the need, identified a preferred location and placed the airport on the NPIAS, making it eligible for federal funding.

2011
Phase 1: Preliminary Planning Study

2013*
Phase 3: Airport Justification Study

2016*
Environmental Assessment

2020
AGIS Survey and Approach Study

2012
Phase 2: Preliminary Planning and Programming Study

2015
Reevaluation in the NPIAS

2018
Airport Master Plan and Airport Layout Plan

2021-2022
Preliminary Engineering Study

2013* Placed a new Oak Ridge Airport on the National Plan of Integrated Airport Systems (NPIAS).

2016* Property Transfer for General Aviation Airport
Alternative Sites
Proposed Facilities/Preferred Site

Legend
- Property Line

5000’x75’ Runway
35’ Partial Parallel Taxiway
Project Challenges
Approach Concerns

Legend

- **Property Line**
- **BORCE Limits**
- **EX OH Transmission Lines**
- **Runway Centerline Initial ALP**
- **Wheat Church & Cemetery**
Engineering Solutions
Approach Benefits

- Removes historic Wheat Church from extended runway centerline
- Reduces noise impacts
- Enabled vertical guidance to both ends of runway
• Reduces wildlife habitat (trees) affected
• Removed identified streams between haul
• Removes viewshed impacts and enhances entrance to K-25 National Park

• Maintains access to the Heritage Center/ETTP/K-25 National Park
• On-site stream mitigation with creation of a new natural stream channel through closed/filled Pond 1
Terrain

- Earthwork (3,600,000 cubic yards)
Project Timeline

Final Design
June 2024 to June 2025

Bidding/Const.
Start Demo & Fencing
June 2025 to June 2026

Bidding/Const.
Start Roads & Tunnels
June 2025 to April 2027

Bidding/Const.
Start Airport Mass Grading
June 2025 to April 2027

Bidding/Const.
Start Airport Paving & Lighting
May 2027 to November 2027

Bidding/Const.
Start Airport Facilities
2028

Airport Open
2028
Goodwyn Mills Cawood (GMC) is one of the region’s largest employee owned architecture and engineering firms, with 550+ employees located in offices throughout the Southeast and projects spanning nationwide.