

ADVANCED AIR MOBILITY SYSTEM PLAN

USE-CASES—VISION

“TRANSFORM ILLINOIS INTO A LEADER IN ADVANCED AIR MOBILITY BY SAFELY INTEGRATING TECHNOLOGIES WITH EXISTING TRANSPORTATION SYSTEMS AND REVOLUTIONIZING MOBILITY THROUGH INCREASED EFFICIENCY, ENHANCED ECONOMIC GROWTH, AND IMPROVED QUALITY OF LIFE FOR ALL RESIDENTS.”



SOURCE: AMAZON

CARGO

Move goods between logistics hubs, regional shipping centers, and doorsteps using drones to transport packages.



SOURCE: ARCHER

PASSENGER

Transport passengers within urban areas, and between regions, using electric and highly maneuverable aircraft.



SOURCE: VALQARI

MEDICAL

Support rapid transport of medical personnel, supplies, lab samples, and organs between healthcare facilities.



SOURCE: BOEING

MILITARY

Drone and electric aircraft operations offering uncrewed refueling, search and rescue, training, and troop transport capabilities.



SOURCE: JOUAV UNMANNED AIRCRAFT SYSTEMS

EMERGENCY RESPONSE

Enhance search and rescue capabilities and speed response to accident sites or natural disasters in remote locations.



SOURCE: TALOS DRONES

AGRICULTURAL

Alternative to spray and monitor crops, improving efficiency and reducing emissions in agricultural operations.

RECOMMENDATION CATEGORIES

The Illinois AAM System Plan organized recommendations into one of the five key categories shown below. The recommendations include actionable steps that IDOT can take to move the needle on AAM in the state. For further details and a breakdown of each category, see Chapter 5 of the Technical Report.



AAM INFRASTRUCTURE & ZONING



AIRSPACE & SAFETY



PUBLIC EDUCATION & COMMUNITY ENGAGEMENT



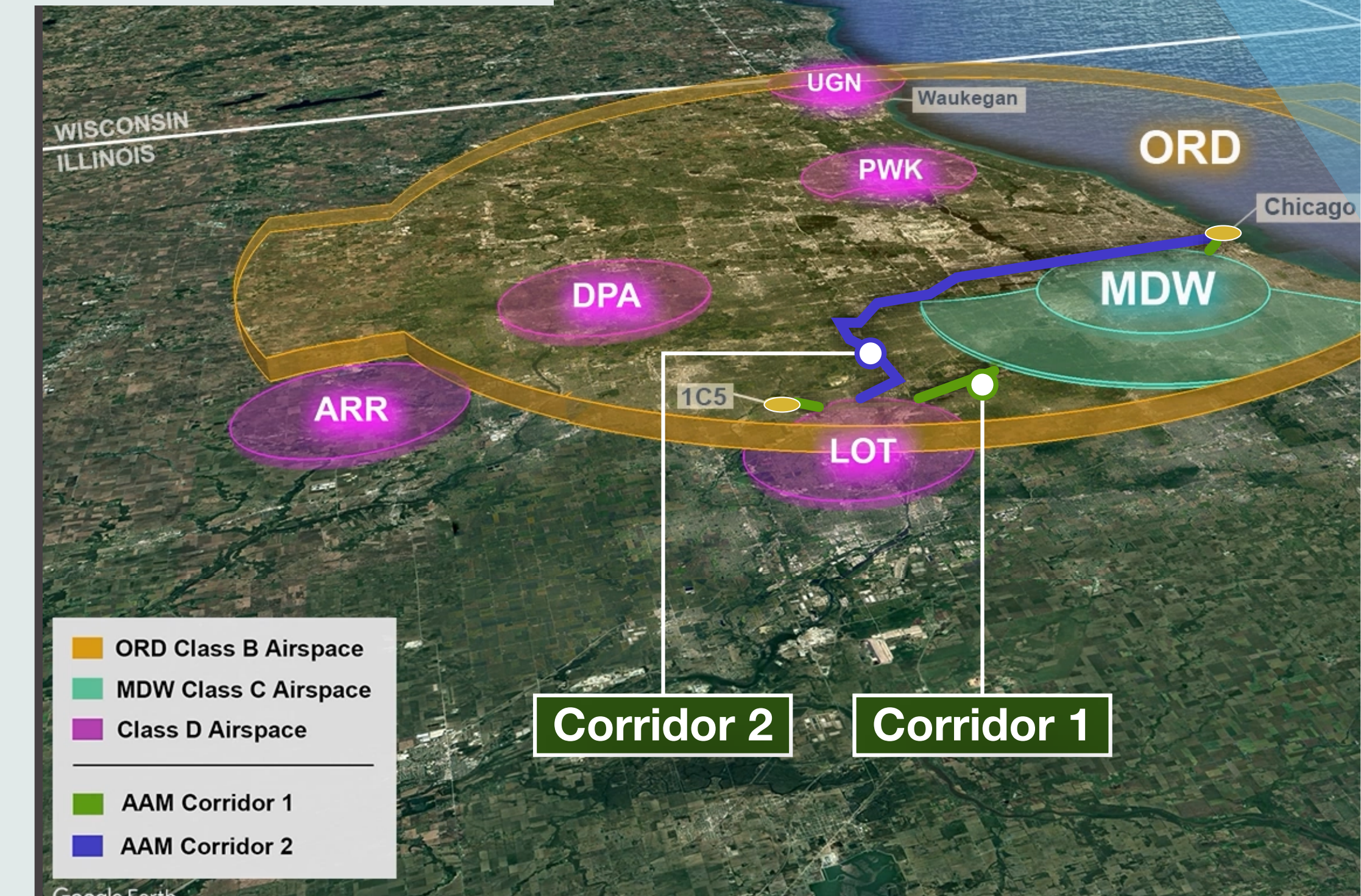
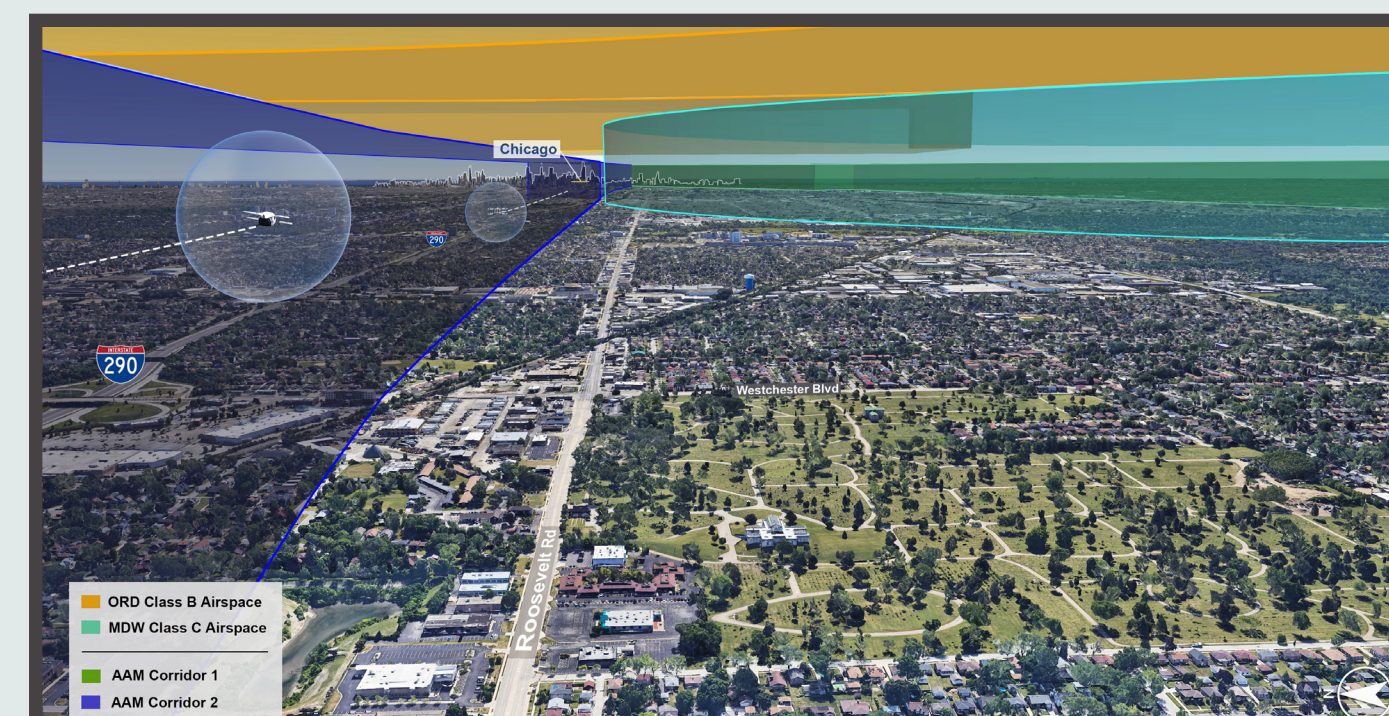
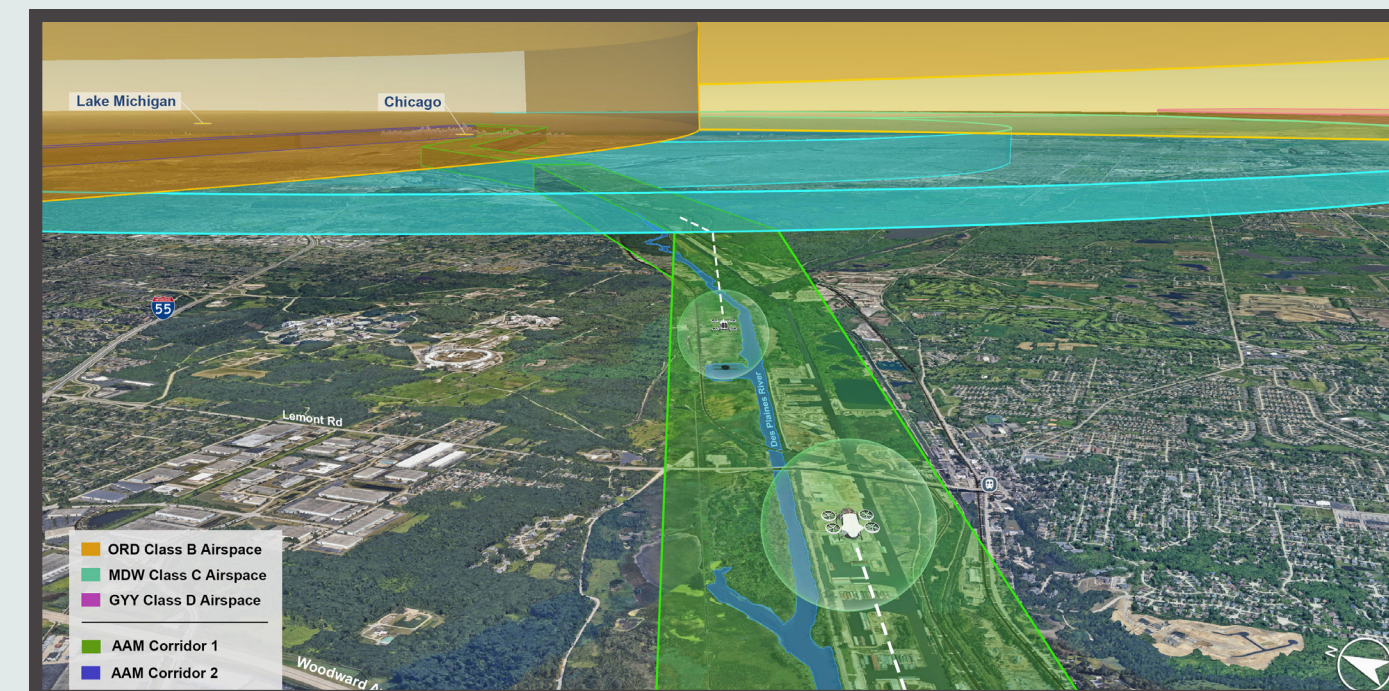
SYSTEM PLANNING & ACCESS



WORKFORCE DEVELOPMENT

AAM CORRIDOR MODELING CASE STUDIES

Two conceptual AAM corridors were modeled to explore Regional Air Mobility (RAM) between Bolingbrook's Clow International Airport (1C5) and Downtown Chicago. These case studies reveal key challenges in integrating AAM into the National Airspace System (NAS). See Chapter 4 of the Technical Report for details.



SAMPLE VERTIPORT REPORTS

Three sample vertiport reports were developed to conceptually illustrate small, medium, and large vertiport facilities at existing Illinois airports. Each report highlights key components such as terminal buildings, security features, vehicle parking, landside access, airside infrastructure, and electric charging systems. To support airport sponsors, a comprehensive development checklist is included at the end of each report. Access all three reports at ilaviation.com/aam.

