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AIRPORT PLAN DRAWINGS

AIRPORT PLANS

A set of scaleable Airport Layout Plan (ALP) drawings has been prepared for the Jefferson County International Airport, which graphically depicts the proposed facilities expansion and development necessary for the continued operation and development of JCIA through the 20-year planning program. The complete ALP set includes:

Airport Layout Drawing- A scaled single-page drawing depicting phased and ultimate airport development based on proposed land, facilities and equipment recommended for the short and long-term operation and development of the airport. In addition, the Airport Layout Drawing displays separation and clearance distances for future unrestricted development of the airport and navigational (NAVAID) facilities. The layout is the result of a series of analyses and discussions with local officials to determine the optimum plan to yield a safe and cost-effective facility. The proposed improvements include projects needed to meet the projected aviation demands of the airport service area throughout the planning period.

Airport Airspace Drawing- Includes a graphical depiction showing the land use area covered by FAR Part 77 imaginary surface criteria, which is used as a federal guideline to determine whether existing or proposed structures represent an obstruction to air navigation (penetrate any of the FAR Part 77 imaginary airspace surfaces). Once approved by the FAA, the FAR Part 77 airspace is reserved for aeronautical purposes. Therefore, it is recommended that the controlling government entities adopt *Height and Hazard* zoning to reflect the updated ALP, and to the extent reasonable, restrict and enforce the height of structures and objects of natural growth as appropriate within the airspace drawing.

Inner Portion of the Approach Surface Drawing- Large-scale drawings showing the plan *and* profile views of the approach surfaces. The plans are designed to identify current and potential structures (roadways, power lines, trees, etc.) in relation to the existing and ultimate runway threshold, and to determine the height elevations (clearance or violation) along the extended runway centerline approach slope. Each obstruction is identified in table format, with appropriate future mitigation measures to insure no threshold siting or obstacle free zone violations.



Runway Centerline Profile Drawing- A single-page drawing showing a plan and profile view of the existing and ultimate runways depicting their respective line-of-sight characteristics including runway end elevations, effective runway gradient, touchdown zone elevations, as well as runway high and low points (elevations).

Terminal Area Plan Drawing- A large-scale drawing of the terminal area showing the phased construction of facilities to meet future terminal area requirements. The primary features of this plan include improvements and new development of facilities and equipment. The ultimate planned design for the terminal area is to provide adequate functional layout for aircraft parking, maneuvering, hangar and building development, and other types of airport-related development planned for the airport. Additionally, the plan will provide adequate separation and clearances for future unrestricted development of all terminal facilities and equipment.

Airport Land Use Drawing- A single-page drawing identifying on-airport and vicinity land use recommendations. The objective of the plan is to coordinate uses of airport property in a manner compatible with the functional design of the airport facility. Airport land-use planning is also important for the orderly development and efficient use of available spaces. This drawing depicts airport and adjacent land uses, identifies adjacent land users, and shows the location of major utilities (water, sewer, electric lines, etc.) in the vicinity of the airport site. When required by FAA Order 5050.4A, a noise exposure map is included as an overlay to the Land Use Plan for identification of areas unsuitable for existing and future development.

Exhibit 'A' Property Map- A single-page drawing showing an overlay of all relevant tracts of existing and ultimate airport property and easement interests, including the size (acres), date (grant agreement), and existing ownership status of proposed airport property acquisition.