

Chapter 6.0 – Airport Layout Plan

The North Central State Airport Master Plan has progressed through the analyses described in the previous chapters and discussion and input from the Project Management Team and the Local Advisory Group. This chapter presents the results of the plan in a set of detailed airport plan drawings referred to as an Airport Layout Plan (ALP) sheet set.

The ALP drawing set depicts existing and future facilities planned within a 20 year planning period. The drawing set is submitted to the Federal Aviation Administration (FAA) and once approved, become official airport layout drawings. Although the planning process is dynamic in nature, the ALP is a true plan in that the future development depicted represents improvements that will best serve expected demand based on the current state of the airport and what is known today.

The Airport Master Plan, along with the ALP, must be supplemented by an annual evaluation of airport needs, upon which scheduling and project development presented in the ALP occurs. Updating the ALP and the Master Plan should occur every five to ten years to identify the progress of airport development, identify trends in aviation, and developing recommendations that will address the needs of the airport.

Airport Layout Plan Drawing Set

The ALP set was prepared in accordance with the standards and recommendations provided by the FAA within Advisory Circular 150/5300-13, *Airport Design*. To ensure completeness and the correct depiction of facilities and standards, the FAA New England Region's ALP checklist was also used.

The ALP drawing set contains several sheets depicting the existing facilities, planned development, and other pertinent information concerning the airport. The ALP drawing set contains the following drawings:

- Sheet 1 – Title Sheet
- Sheet 2 – Existing Airport Layout Plan
- Sheet 3 – Ultimate Airport Layout Plan
- Sheet 4 – FAR Part 77 Surfaces Plan
- Sheet 5 – Terminal Area Plan
- Sheet 6 – Airport Zoning Plan

These sheets are discussed in detail in the following Sections. A full set of sheets is presented at the end of this Chapter.

Title Sheet

The Title Sheet is the introductory sheet of the drawing set. Basic information about the airport is shown on this sheet including an index to the drawing sheets, location map, vicinity map, and relevant text. The Title Sheet is identified as Sheet 1 and is depicted at the end of this Chapter.

Existing Airport Layout Plan

The Existing Airport Layout Plan is a graphic presentation of the existing facilities, their location on the airport and associated dimensional information at the time of this Master Plan. The purpose of the drawing

is to show the existing layout and act as a reference for future development shown on the Ultimate Airport Layout Plan. Information provided on this drawing includes data tables, airfield facilities, surrounding transportation infrastructures, off airport buildings, and relevant topography. The Existing Airport Facilities Plan is identified as Sheet 2 and is located at the end of this Chapter.

Ultimate Airport Layout Plan

The Ultimate Airport Layout Plan depicts the proposed projects identified in the, *Alternatives Analysis* chapter of the Master Plan. The projects shown are for the full 20-year planning period through 2029. It should be noted that implementation of these projects will be phased, based on facility priorities, as follows: Phase I: 2009 – 2014, Phase II: 2014 – 2019, and Phase III 2019 – 2029.

Additional information shown on the ALP includes data blocks identifying existing and proposed facilities; VFR and IFR wind roses; existing buildings; revision blocks; and signature blocks for the FAA and RIAC. Topography, local road infrastructure, and surrounding buildings are also shown on this drawing. The Ultimate ALP is identified as Sheet 3 at the end of this Chapter.

FAR Part 77 Surfaces Plan

This drawing shows the full FAR Part 77 Imaginary Surfaces on a USGS Quadrangle map. This drawing includes a plan view of all 14 CFR Part 77 surfaces. This plan assists surrounding jurisdictions in determining if the construction of a proposed structure will penetrate any aeronautical surfaces. The FAR Part 77 Surfaces Plan is identified as Sheet 4 at the end of this Chapter

Terminal Area Plan

The Terminal Area Plan shows the location and configuration of existing and proposed buildings and paved areas in the terminal area of the airport, including hangars and parking lots. The contents of the Terminal Area Plan include a large scale plan view of the area; building data table; existing and proposed facilities; and a legend table. Provided as part of the Terminal Plan is a separate viewport that graphically depicts future development adjacent to Taxiway “A” on the Runway 33 end. The Terminal Area Plan is identified as Sheet 5 at the end of this Chapter.

Airport Land Use Plan

The Airport Land Use Plan, identified as Sheet 6 at the end of this Section, shows existing land use within the airport’s property limits and the airport vicinity in general. This drawing can be used to assist RIAC with a plan for zoning, and provides guidance to local authorities for establishing zoning. The Airport Land Use Plan is the final sheet in the airport layout plan set and is identified as Sheet 6 provided herein.