

## RECOMMENDED DEVELOPMENT COSTS

In order to continue to serve the aviation needs of surrounding communities and the State of Kansas, the KASP has identified several important projects for the airport. Many of these projects are eligible for federal and/or state funding. The accompanying table summarizes the estimated costs desired for Neodesha Municipal Airport. Recommended development costs include projects needed to meet each of the recommendations of the Kansas Airport System Plan as well as projects from the airport's capital improvement plan (CIP). While these projects are included as part of the KASP, it is recognized that execution of these projects is dependent on the local environment.

| Project Description                | SHORT TERM<br>(2009-2012) | MID TERM<br>(2013-2019) | LONG TERM<br>(2020-2029) | TOTAL<br>COST    |
|------------------------------------|---------------------------|-------------------------|--------------------------|------------------|
| <b>Airfield</b>                    |                           |                         |                          |                  |
| Pavement Maintenance               |                           | \$275,816               |                          |                  |
| <b>General Aviation Facilities</b> |                           |                         |                          |                  |
| Restrooms                          |                           |                         | \$10,000                 | \$10,000         |
| <b>Planning/Environmental</b>      |                           |                         |                          |                  |
| Security Plan                      | \$5,000                   |                         |                          | \$5,000          |
| Master Plan/ALP                    |                           | \$50,000                | \$50,000                 | \$100,000        |
| <b>Subtotal Cost:</b>              | <b>\$5,000</b>            | <b>\$325,816</b>        | <b>\$60,000</b>          | <b>\$390,816</b> |

Neodesha Municipal Airport is an integral component to the State's system of airports. The airport does more than serve the area's businesses and recreational needs. It provides access to our nation's air transportation network, provides community benefits, and generates economic activity.

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# Kansas AVIATION

## Kansas Airport System Plan

### NEODESHA MUNICIPAL AIRPORT

NEODESHA, KS

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## INTRODUCTION AND STRATEGIC APPROACH

In 2008, the Kansas Department of Transportation Division of Aviation worked to develop a comprehensive plan for its system of 142 public airports. The purpose of the Kansas Airport System Plan (KASP) is to assess the needs of the state's airports; help justify funding for airport improvements; and provide information for governmental and other entities concerning the value, use, and needs of the state's public use airports.

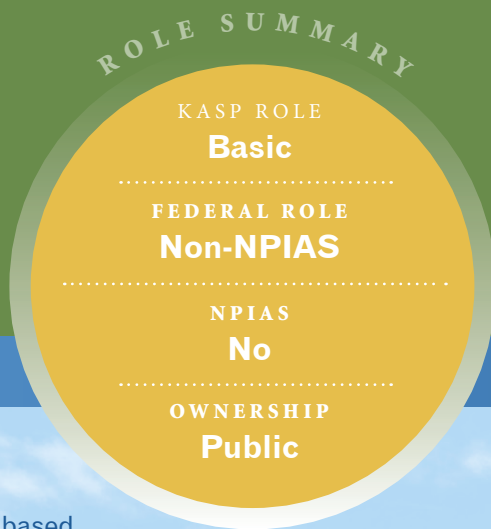
The KASP is intended to provide the Division of Aviation with a useful decision making tool. With annual requests for grants that far exceed available financial resources, this plan provides the Division of Aviation with information that it uses to:

- Help determine which system airports are most essential to Kansas transportation needs and economic objectives.
- Identify projects which have the greatest potential to improve the performance of the Kansas airport system.
- Demonstrate how investment improves the performance of the Kansas airport system relative to established measures and benchmarks.

This report summarizes and compiles airport specific information, findings, and recommendations from the KASP. Further, it provides a general understanding of the specific actions and improvements that will enable the airport to best fulfill its role within the KASP.

## AIRPORT ROLE

Neodesha Municipal Airport's role in the Kansas Airport System Plan has been identified as Basic airport. Basic airports serve a limited role in the local economy, primarily serving recreational and personal flying. The FAA considers Neodesha Municipal a Non-NPIAS airport. Although a publicly owned airport, the airport is not included in the National Plan of Integrated Airport Systems (NPIAS) and therefore not eligible to apply for federal airport development funding.



## AIRPORT FACILITIES & SERVICES

Facility and service objectives were developed for each of the five role categories of the KASP. These objectives provide guidance on the minimum level of facilities and services needed for the airport to fulfill its identified role in the system. Neodesha Municipal Airport has multiple runways. The airport's primary runway is 2/20, and is 2,998 feet long while its secondary runway, Runway 15/33, is 2,050 feet long.

The following summarizes current facilities and services, the airport's facility and service objectives, and projects recommended to meet the objectives within the context of the system plan.



|                                | EXISTING                      | FUTURE SYSTEM OBJECTIVE | RECOMMENDATION        |
|--------------------------------|-------------------------------|-------------------------|-----------------------|
| <b>Airside Facilities</b>      |                               |                         |                       |
| Primary Runway Length (Feet)   | 2,998                         | Maintain                | Maintain Standard     |
| Primary Runway Width (Feet)    | 46                            | Maintain                | Maintain Standard     |
| Primary Runway Surface         | Asphalt                       | Not an Objective        | None                  |
| Taxiway Type                   | 2-Turnaround                  | Not an Objective        | None                  |
| Pavement Condition Index (PCI) | 77                            | Not an Objective        | Maintain Standard     |
| Approach Type                  | Non-Precision                 | Visual                  | Maintain Standard     |
| Runway/Taxiway Lighting        | MIRL                          | Not an Objective        | None                  |
| Approach Lighting System       | None                          | Not an Objective        | None                  |
| GVGI                           | 2-REIL                        | Not an Objective        | None                  |
| Rotating Beacon (Visual Aids)  | Yes                           | Not an Objective        | None                  |
| Wind Sock (Visual Aids)        | Yes - Not Lighted             | Wind Sock               | Maintain Standard     |
| Weather                        | None                          | Not an Objective        | None                  |
| GCO/RCO                        | No                            | Not an Objective        | None                  |
| <b>Landside Facilities</b>     |                               |                         |                       |
| Hangar Spaces                  | Yes                           | 100% of Based Aircraft  | Maintain Standard     |
| Apron Spaces                   | Yes                           | Not an Objective        | None                  |
| Terminal                       | No                            | Not an Objective        | None                  |
| <b>Services</b>                |                               |                         |                       |
| FBO                            | No                            | Not an Objective        | None                  |
| Auto Parking                   | No                            | Maintain                | Maintain Standard     |
| Fuel                           | AvGas - No<br>Jet A Fuel - No | Not an Objective        | None                  |
| Restrooms                      | No                            | Restrooms               | Construct Restrooms   |
| Pilot's Lounge                 | No                            | Not an Objective        | None                  |
| Security Plan                  | No                            | Security Plan           | Develop Security Plan |
| Snow Removal Plan              | No                            | Not an Objective        | None                  |
| Ground Transportation Link     | No                            | Not an Objective        | None                  |

## FORECASTS

When planning for new or additional airport facilities, projections in the form of based aircraft, as well as annual operations can be helpful in determining the type and size of necessary improvements. Based aircraft numbers will reflect demand for improvements in the areas such as hangars and tie-down spaces. Operations will provide a helpful insight into necessary airfield improvements such as runways and taxiways. The table below highlights the forecast activity for Neodesha Municipal Airport.

Based aircraft and annual operations are expected to grow at a compound annual rate of 0.84% over the planning period. Historical demand and local socioeconomic indicators, as well as state and national trends were reviewed in developing the airport's forecast.

### ACTIVITY FORECAST SUMMARY

| Activity          | 2007  | 2012  | 2017  | 2027  |
|-------------------|-------|-------|-------|-------|
| Based Aircraft    | 2     | 2     | 2     | 2     |
| Annual Operations | 1,196 | 1,247 | 1,300 | 1,414 |