

MINUTES
Nebraska Aeronautics Commission
May 8, 2015

The Nebraska Aeronautics Commission held their regular meeting at the department's offices, Lincoln, Nebraska. Commissioner Diana Smith called the meeting to order at 1:00 p.m. CDT. Commissioners Michael Cook and Terri Wachter were in attendance. Commissioners Doug Vap and Dorothy Anderson were absent. Also present were Planning/Programming Division Manager Anna Lannin, Director Ronnie Mitchell, Project Management Division Manager Russ Gasper, and Deputy Director Andre Aman.

Public Comment

NONE

Approval of Minutes

Motion by Commissioner Wachter to approve the minutes of the February 13, 2015 meeting as published. Second by Commissioner Cook. Roll call vote. All voted aye. Motion carried.

State Funds Available

A written report of state funds available was presented by Andre Aman.

Nebraska Aeronautics Commission		
May 8, 2015		
PROJECT GRANT FUND		
	Funds available January 31, 2015	\$114,760.17
	Commission Actions (02/13/15 meeting)	
	None	
	Subtotal	\$0.00
	Other Actions	
	None	
	Subtotal	\$0.00
	Funds available April 30, 2015	\$114,760.17
	<i>Funds available at meeting in April 2014: \$89,563.62</i>	
STATE OWNED AIRFIELDS (SOA) DIVERSION GRANT FUND		

Funds available January 31, 2015		\$0.00
Commission Actions (02/13/15 meeting)		
None		
Funds available April 30, 2015		\$0.00
<i>Funds available at meeting in April 2014: \$0</i>		
SEAL COAT GRANT FUND (Pavement Preservation Program)		
Funds available January 31, 2015		\$130,792.18
Commission Actions (02/13/15 meeting)		
None		
Subtotal		\$0.00
Other Actions		
None		
Subtotal		\$0.00
Funds available April 30, 2015		\$130,792.18
<i>Funds available at meeting in April 2014: \$179,843.18</i>		
HANGAR REVOLVING LOAN FUND		
Funds available January 31, 2015		\$314,195.86
Commission Actions (02/13/15 meeting)		
None		
Subtotal		\$0.00
Other Actions		
Amended allocation to Wayne H-06 HLG	\$120,195.05	
Subtotal		\$120,195.05
Receipts		
February 2015	\$25,042.00	
March 2015	\$24,196.00	
April 2015	\$27,244.00	
Subtotal		\$76,482.00
Funds available April 30, 2015		\$510,872.91
<i>Funds available at meeting in April 2014: \$795,187.86</i>		

	<i>Total amount in Hangar Loan fund: \$3,768,360</i>	
FUEL STORAGE LOAN FUND		
	Funds available January 31, 2015	\$168,848.48
	Commission Actions (2/13/15 meeting)	
	None	
	Subtotal	\$0.00
	Other Actions	
	None	
	Subtotal	
	Receipts	
	February 2015	\$2,593.33
	March 2015	\$2,593.33
	April 2015	\$2,593.33
	Subtotal	\$7,779.99
	Funds available April 30, 2015	\$176,628.47
	<i>Funds available at meeting in April 2014: \$155,066.41</i>	
	<i>Total amount in Fuel Storage fund: \$336,500</i>	
NON-PRIMARY ENTITLEMENT TRANSFER PROGRAM		
	Funds available January 31, 2015	\$1,923.75
	Funds Disbursed	
	Minden Airport Authority	-100
	Subtotal	-\$100.00
	Funds available April 30, 2015	\$1,823.75

Motion by Commissioner Cook to accept the report of State Funds as published. Second by Commissioner Wachter. Roll call vote. All voted aye. Motion carried.

Federal Projects

Anna Lannin presented the following projects. The airport sponsors are requesting Commission approval for the CIP data sheets to be forwarded to the FAA, as required by state statutes. The FAA considers the requests for future federal funding as funds become available. No state funds are requested at this time.

Falls City M-01

Scope: Upgrade Existing Fuel System

Total Estimated Cost: \$75,000

An upgrade to the existing fuel system is required to replace the pump and other components. Since the majority of the system is in very good condition, this is a cost effective way to extend the life of the system without a total replacement.

Hartington B-03

Scope: Construct 6-Place Hangar

Total Estimated Cost: \$800,000

A 6-place T-hangar with 45' bi-fold doors is proposed to meet current and future demand for aircraft storage. Taxilane construction is included to provide paved access to all doors.

Hartington M-02

Scope: Runway Joint and Crack Sealing and Marking

Total Estimated Cost: \$325,000

The joint sealant is in need of removal and replacement to provide extended protection to the existing pavement. In addition, a small number of panels have cracked and are in need of replacement.

Hebron A-01

Scope: Apron Rehabilitation

Total Estimated Cost: \$523,407

This project will replace the existing asphalt in portions of the apron. This pavement has exceeded its useful life and needs replacement. Replacement of sections of the taxilanes is also included in the request.

Imperial M-02

Scope: Runway Joint Seal and Marking

Total Estimated Cost: \$450,000

The existing runway was constructed in 1994 and 1999. The joint seal material has dried out and needs to be sawed and resealed. The runway will also be repainted as part of this project.

Imperial X-04

Scope: Construct and Light Taxiway

Total Estimated Cost: \$286,000

The taxiway will improve access from the t-hangar area and aerial sprayer's apron to the runway. Ultimately, the parallel taxiway will extend from this taxiway to Runway end 31. Edge lights are included in the construction.

Imperial M-03

Scope: Install New Jet A Fuel

Total Estimated Cost: \$200,000

The airport currently has a 100LL fuel system and would like to add a Jet A fuel tank to this system.

Imperial B-02

Scope: Rehabilitate Hangars

Total Estimated Cost: \$250,000

The airport's three T-hangars are 32-40 years old and in need of rehabilitation. Portions of the doors, siding, roof, floors and foundations are all in need of partial repairs, such as new panels, seals and replacement of concrete. All of the hangars are structurally sound. The rehabilitation will extend the life of the existing hangars and make access easier.

Kearney M-09

Scope: Design Only for 18/36 Mill/Overlay and Lighting and Signs

Total Estimated Cost: \$340,000

This is a design only project to conduct geotechnical investigation and design plans and specifications for the Runway 18/36 mill/overlay and Runway 18/36 lighting and signs projects.

Kearney M-08

Scope: Tip-Down Beacon

Total Estimated Cost: \$102,000

The existing beacon is outdated and near the end of its useful life. The airport is planning to install a new beacon on a tip down tower for safer maintenance access, reduced down time, and enhanced safety.

Kearney R-07

Scope: Mill & Overlay Runway 18/36 and Taxiways A & C; Lighting & Signage Runway 18/36,
Taxiways A & C

Total Estimated Cost: \$8,790,000

The existing Runway 18/36 and taxiways A and C asphalt overlay pavement is 20 years old and is becoming oxidized and cracked. The airport is planning to mill and overlay with asphalt pavement to extend the life of the pavement and reduce FOD.

The airport is planning to replace the existing runway and taxiway lights with LED lights to enhance visibility to pilots, improve safety and reduce maintenance costs. The existing ducts and bases will remain in place and be reused.

Lexington R-01

Scope: Rehabilitate Runway, Taxiway and Apron
Total Estimated Cost: \$720,000

Portions of runway 14/32, taxiways, and apron are in poor condition and in need of repair; repairing these areas and sealing all the joints will extend the life of the pavement.

Lincoln

Scope: Runway 17/35 Rehabilitation, Mill & Overlay from Taxiway Echo to Runway 35
Threshold
Total Estimated Cost: \$3,500,000

Runway 17/35, originally constructed in the mid-60s, was most recently rehabilitated in 1993 (AIP-15). Following that project, the runway was sealcoated in 2005 (AIP-33). By the requested time of the proposed project to rehabilitate this runway, the pavement will be 23 years old and at the end of its expected life. Current pavement condition inspections indicate that this is the case, with current values (2013) ranging from 65 to 75.

Lincoln

Scope: Runway 18/36 Lighting Rehabilitation
Total Estimated Cost: \$1,500,000

The high intensity lighting system on Runway 18/36 was reconstructed in 1990, as part of a larger project to rehabilitate the runway (AIP-10). Now, 25 years later, we are experiencing extremely low megohm readings, due to a breakdown of circuit wiring and transformer insulation. By the requested time of the proposed project to rehabilitate the lighting on this runway, the system will be 27 years old and well beyond its expected life.

Lincoln

Scope: Airport Master Plan
Total Estimated Cost: \$300,000

The most recent Lincoln Airport Master Plan was published in August, 2007 and was based on information collected in 2006 and 2007. Since that publication, we have accomplished most of the projects defined in the Plan's CIP, have seen an uptick in passenger enplanements, face increasing pressure to expand our general aviation area, and to improve airfield safety. In addition, given the age of the Plan, new airfield design criteria are not reflected on the Airport Layout Plan.

Lincoln

Scope: SRE – Rotary Plow
Total Estimated Cost: \$750,000

Lincoln's current inventory of snow removal equipment includes 3 rotary plows, the oldest of which was acquired in 1985 (AIP-04). Based on the results of the FAA Snow Removal Equipment Calculation spreadsheet, Lincoln could be eligible for up to 5 rotary plows. This

project would propose to add an additional rotary so that the 1985 unit can be relegated to an emergency role, if not replaced in total.

Lincoln

Scope: General Aviation Area Expansion

Total Estimated Cost: \$1,500,000

With only one location for a corporate size hangar available and no development areas available for construction of new t-hangars, the Lincoln Airport would like to begin the phased expansion of the current general aviation to the north.

Lincoln

Scope: Terminal Ramp Rehabilitation – Phase II

Total Estimated Cost: \$4,000,000

As a follow-on to work done in 2013 (AIP-44 & -46), this project proposes to complete Phase II of our planned Terminal Ramp rehabilitation. While this project is currently planned for 2020, the airport would like to be able to adjust the timing of this project based on pavement condition of the proposed areas in future years.

North Platte E-02

Scope: Acquire Snow Removal Equipment

Total Estimated Cost: \$500,000

The existing snow removal sweeper is 15 years old and in need of replacement. An inventory of existing airport equipment was submitted to FAA, along with calculations for minimum equipment needs using the Snow Removal Equipment Sizing Calculator.

Grant R-01

Scope: Rehabilitate, Widen and Extend Runway (5,200' x 75')

Total Estimated Cost: \$1,750,000

Grant's concrete runway is in fair condition, and in need of repairs and joint resealing to extend its useful life. The runway also needs to be extended and widened to meet the needs of current based aircraft that include B-II aircraft. To meet the B-II requirements, the runway length needs to accommodate 100% of the small aircraft fleet. AC 150/5325-4B, Figure 2.1 was used to verify the ultimate runway length shown on the ALP. Grant's elevation is 3,425'. Their average high temperature is 89.1 degrees. Based on this, the runway length should be 5,200' for 100% of fleet. Per AC 150/5300-13A, Table A7-3, the runway width should be 75'. The widening will displace all of the existing runway lights, and therefore the lights will be replaced. The existing runway is 4,800' x 60'.

Grant G-03

Scope: Install PAPIs and REILs

Total Estimated Cost: \$200,000

Installation of new PAPIs and REILs on Runway 15/33 to provide guidance to pilots on the final approach and to have improved safety at the airport.

Grant B-03

Scope: Construct 6-Place T-Hangar

Total Estimated Cost: \$800,000

A 6-place T-hangar with 45' bi-fold doors is proposed to meet current and future demand for aircraft storage. Taxilane construction is included to provide paved access to all doors.

Motion by Commissioner Michael Cook to approve the CIP data sheets and forward them to the FAA. Second by Commissioner Terri Wachter. Roll call vote. All voted aye. Motion carried.

State Aid Projects

Anna Lannin presented the following projects.

Sargent SA-7

Scope: Obstruction Removal to Meet State Licensing Standards

Total Estimated Cost: \$3,600

During the NDA inspection a licensing violation was found. Trees on the sides of the runway 16/34 violate the 7:1 transition slope. The department has encouraged the airport sponsor to keep moving forward as quickly as possible to eliminate safety discrepancies.

Wayne SA-9

Scope: Replace 7.5 kW Regulator

Total Estimated Cost: \$5,700

During the tornado of 2013, the electric vault was damaged. During the testing that determined the failure of the 10kW regulator, it was determined that the 7.5 kW regulator was showing signs of failure too. The electrician recommended replacement of this regulator. The board determined that it was in their best interest to replace both regulators at the same time, thus saving on the cost of installation.

Motion by Commissioner Terri Wachter to approve the state aid projects. Second by Commissioner Michael Cook. Roll call vote. All voted aye. Motion carried.

Closed Projects

**Closed Projects
May 8, 2015**

<u>Airport</u>	<u>Original State Allocation</u>	<u>Increase in State Funds Required</u>	<u>Decrease in State Funds Required</u>
NDA 20 (PCI's - 2012)	\$ 0.00	\$ 0.00	\$ 0.00
Chadron 12 (HIRL & MITL)	\$ 3,051.00	\$ 0.00	\$ 0.00
Totals	\$ 3,051.00	\$ 0.00	\$ 0.00

Net Decrease - \$0.00

Motion by Commissioner Terri Wachter to approve the closed projects. Second by Commissioner Michael Cook. Roll call vote. All voted aye. Motion carried.

Department Report

One of our focus items for the past two months has been creating a “Dashboard” as directed by Governor Ricketts for all 30 state agencies. A dashboard is one page depicting two to four items our agency does and shows how we are doing in those areas. A dashboard is something businesses have been involved with for several years, especially those who have a large amount of data (called metrics) to display. It is meant to be something a senior executive (Governor) can look at and determine how an agency is doing. Eventually, our dashboard and other agency dashboards will be displayed on our website in order that anyone may see it to determine how well an agency is doing in their respective “metrics”.

We have chosen four areas to focus on: Active Airport Projects, FAA Grant funding distributed by NDA to airport sponsors, FAA Required Site Visits for Navaid Maintenance, and Flight Operations by miles flown per month by aircraft.

Additionally, we have added “Accomplishment/Issues” and “Strategic/Priority Projects” in a comment column. Each month the dashboard will be updated and eventually be available on our website when directed by Governor Ricketts.

This past Wednesday, May 6, we had a “once in a thousand years” storm pass over the eastern portion of the state dumping over 10 inches of rain with a tornado touching down near Hebron.

There was flooding in Lincoln and DeWitt evacuated having waist high water. The southeast areas of Nebraska received 5 to 12 inches of precipitation. Gauges in the local area reached minor flooding levels, while six river gauge readings reached moderate or major flooding levels. There were 46 counties under tornado watches for storms and 12 had tornado warnings. We have not been involved with the state efforts on this but are watching closely to see if any airports are damaged.

On May 13, next Wednesday, we will be attending a General Aviation Proclamation presented by the Governor in the Warner Chambers, promoting general aviation in the state. As part of that we will have a contingent from the Hebron area attending and helping promote the forthcoming June 5 and 6 State Fly-in at Hebron. It promises to be an outstanding event as being promoted by Dr. Steve Bateman and the NAC. Congressman Sam Graves will be attending as well as AOPA Regional Representative Yasmina Platt. Numerous activities are scheduled the evening of June 5 with a supper and USO style show. Saturday will be the fly in with a breakfast, round table discussions and aerobatic displays lasting nearly all day.

The next meeting is tentatively set for Friday, August 14, 2015 at 1:00 pm CDT in the Lincoln office.

Motion by Commissioner Cook to adjourn the meeting. Second by Commissioner Wachter. Roll call vote. All voted aye. Motion carried.

The meeting was adjourned at 2:15 p.m.

Submitted by,

Ronnie Mitchell
Director