

MINUTES  
Nebraska Aeronautics Commission  
February 12, 2010

The Nebraska Aeronautics Commission held their regular meeting at the department's offices, Lincoln, Nebraska. Chairman Dorothy Anderson called the meeting to order at 1:00 p.m. CDT. Commissioners Doug Vap, Ken Risk, Gerald Adams, and Barry Colacurci were in attendance. Also present were Director Ronnie Mitchell, Project Management Division Manager Russ Gasper, Flight Operations and Aviation Services Division Manager Bill Lyon and Planning/Programming Division Manager Anna Lannin. Deputy Director Andre Aman was absent.

Approval of Minutes

Motion by Commissioner Colacurci to approve the minutes of the December 11, 2009 meeting as published. Second by Commissioner Vap. All voted aye. Motion carried.

Public Comment

None

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.

Atkinson B01

Scope: Remove & Replace Terminal Building  
Total Estimated Cost: \$300,000

Provide a new terminal building for transient and based pilots to utilize. The new building will be located on the existing terminal building site therefore the existing terminal building must be removed to provide space.

Atkinson E01

Scope: Acquire Snow Removal Equipment  
Total Estimated Cost: \$155,000

The airport currently has no equipment and must hire a contractor for snow removal. The Airport Authority wishes to purchase the new snow removal equipment to complete the snow removal in house.

### Atkinson B02

Scope: Build SRE Building

Total Estimated Cost: \$270,000

Currently there is no facility to house and maintain the proposed new snow removal equipment.

### Aurora E02

Scope: New Snow Removal Equipment

Total Estimated Cost: \$175,000

The Airport Authority currently has older snow removal equipment, purchased with local funds. The Authority wishes to update their equipment and plans to purchase a bi-directional tractor and attachments.

### Cambridge R01

Scope: Reconstruct Runway 14/32

Total Estimated Cost: \$2,760,000

This 22 year old pavement is reaching the end of its useful life and is in need of complete rehabilitation. The runway does not have adequate line-of-sight and thus the Runway end 32 will be raised approximately 4' as part of this project. Changing the runway grades will require that the existing medium intensity runway lights and PAPIs be relocated as well. Also, the taxiway entrances to the runway will require pavement reconstruction and replacement of lights to adjust to the new runway grades.

### Cambridge X01

Scope: Reconstruct Partial Parallel Taxiway

Total Estimated Cost: \$300,000

This 22 year old pavement is reaching the end of its useful life with numerous large transverse cracks and is in need of complete rehabilitation. Removal and replacement is required to match the elevations of existing buildings. The taxiway pavement will include the areas in front of the hangar doors, which is necessary to correct drainage problems in the area. The construction will impact a few existing taxiway lights which will be replaced.

### Cambridge A01

Scope: Reconstruct Apron

Total Estimated Cost: \$675,000

The 22 year old pavement is reaching the end of its useful life with large transverse cracks and is in need of complete rehabilitation. Removal and replacement is required to match the elevations of existing buildings. The new apron pavement will be slightly larger to meet FAA's object free area requirements. The construction will impact a few existing edge lights which will be replaced.

### Cambridge X02

Scope: Reconstruct Turnaround

Total Estimated Cost: \$225,000

This 22 year old pavement is reaching the end of its useful life with numerous large transverse cracks and is in need of complete rehabilitation. The new turnaround will comply with FAA design requirements. New retro-reflective markers are included to adequately delineate the pavement edge.

### Cambridge X03

Scope: Reconstruct Taxiways

Total Estimated Cost: \$400,000

This 22 year old pavement is reaching the end of its useful life and is in need of complete rehabilitation. Removal and replacement is required to match the elevations of existing buildings. The taxiway pavement will include the areas in front of the hangar doors, which is necessary to correct drainage problems in the area.

### Chadron G01

Scope: Replace Runway HIRL, Beacon & Windcone

Total Estimated Cost: \$390,000

The HIRL on Runway 2/20 has reached the end of its useful life and is in need of replacement. The beacon and windcone are both also in poor condition and need to be replaced.

### Chadron G01

Scope: Install MITL

Total Estimated Cost: \$155,000

The partial parallel taxiway is currently without a lighting system installed. A MITL will increase safety when operating on this taxiway at night or in low visibility situations.

### Cozad X01

Scope: Construct Parallel Taxiway

Total Estimated Cost: \$2,000,000

A full parallel taxiway is recommended for the primary runway to eliminate taxiing on the runway, which can be unsafe. A parallel taxiway will improve access to Runway 13/31. This will allow for safe and orderly traffic movements around the airport.

### Cozad G01

Scope: Light Parallel Taxiway (MITLs)

Total Estimated Cost: \$230,000

A full parallel taxiway is recommended for the primary runway to eliminate taxiing on the runway which can be unsafe. A parallel taxiway will improve access to Runway 13/31. This will allow for safe and orderly traffic movements around the airport.

### Crete R01

Scope: Runway 17/35 Joint Sealant & Marking

Total Estimated Cost: \$204,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement. The pavement markings will be impacted as part of the sealant removal, therefore all pavement markings will be repainted.

### Crete X02

Scope: Taxiway Joint Sealant & Marking

Total Estimated Cost: \$66,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement. The pavement markings will be impacted as part of the sealant removal, therefore all pavement markings will be repainted.

### Crete A01

Scope: Apron Joint Sealant & Marking

Total Estimated Cost: \$73,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement. The pavement markings will be impacted as part of the sealant removal, therefore all pavement markings will be repainted.

### Crete X03

Scope: Taxilane Joint Sealant & Marking

Total Estimated Cost: \$68,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement. The pavement markings will be impacted as part of the sealant removal, therefore all pavement markings will be repainted.

### Grand Island R01

Representative: Mike Olson

Scope: Preliminary Engineering for Runway Extension

Total Estimated Cost: \$460,000

Mike Olson of the Hall County Airport Authority presented the data sheet.

The extension to Runway 17/35 is being driven by the use of the MD-83 at Grand Island by Allegiant Airlines. Currently, Allegiant conducts approximately 500 annual operations on takeoff

weight restriction. In addition, several other aircraft utilizing the airport require a longer runway to operate without restriction. A runway extension would facilitate increased passenger load factors and enplanement levels at Grand Island.

The Environmental Assessment would study and evaluate the impacts of the proposed runway extension. In addition to the preparation of Draft and Final Environmental Assessments, other efforts will be required, including: preliminary engineering (topographic survey and runway profile design necessary to establishing the grading limits); and establishment of geodetic control, aerial imagery and data submittal for approach procedure development in accordance with AC5300-16, 17, 18B.

#### Hebron X01

Scope: Construct Parallel Taxiway

Total Estimated Cost: \$916,730

The airport currently has a sod parallel taxiway for Runway 12/30. The new taxiway will provide safety on back taxi operations. The new taxiway layout is on the current approved ALP and was justified during that approval process.

#### Hebron X02

Scope: Taxilane Improvements

Total Estimated Cost: \$268,500

The current taxilanes are in poor condition and in need of repair. The new taxilane layout is shown on the current, approved ALP was justified during that approval process.

#### Kearney B02

Scope: Aircraft Storage Hangar

Total Estimated Cost: \$1,275,000

A storage hangar will provide for a facility to store based aircraft. The heated hangar will have a 120' door to accommodate larger aircraft.

#### Kearney R01

Scope: Runway Extension Design

Total Estimated Cost: \$150,000

This project will provide a safety enhancement to the both runways by removing the approach end of 13 out of the Runway Safety Area for 18/36. Also, the project will allow 5,000' for runway 13/31 during closures of 18/36. This will allow the airlines and other users to operate during 18/36 closures.

#### Kearney C01

Scope: Seal Coat Airline & GA Apron

Total Estimated Cost: \$235,000

Following asphalt industry standards, asphalt pavements require rejuvenation including crack sealing every 5-7 years. This pavement was placed in 2006. This project will extend pavement life.

#### Kearney B01

Scope: Aircraft Rescue & Firefighting Station

Total Estimated Cost: \$1,000,000

The airport is seeking to upgrade their Part 139 Classification from III to II due to increasing Charts. Currently, the storage area for the Aircraft Rescue Vehicle does not meet criteria as found in AC 150/5201-15A. Vehicle is a 2000 E-1 Titan.

#### Kearney R02

Scope: Runway 13/31 Extension

Total Estimated Cost: \$1,600,000

This project will provide a safety enhancement to the both runways by removing the approach end of 13 out of the Runway Safety Area for 18/36. Also, the project will allow 5,000' for runway 13/31 during closures of 18/36. This will allow the airlines and other users to operate during 18/36 closures.

#### Kearney R02

Scope: Lighting for Runway Extension

Total Estimated Cost: \$200,000

Lighting required for the proposed extensions. The PAPIs will need to be relocated in conjunction with this project.

#### Lincoln G01

Scope: Replace Airfield Guidance Signs & Taxiway Lights

Total Estimated Cost: \$2,000,000

Airfield signage was installed in 1992 and is very close to the end of its useful life. These signs are requiring increasing maintenance efforts, increasing the amount of time airport personnel are within runway and taxiway safety areas. In addition, given the age of the signs, the vendor is no longer supporting these signs in a cost effective manner and advising that many parts will now have to be specially ordered and manufactured.

Taxiway lighting circuits on the airfield were installed in the mid to late 1980's. While lights on some taxiway circuits (A, B, C, E, S) have been replaced with LED's, many other circuits (D, G, H, J, K, N, P) are still operating with their original mid 1980's equipment. Given the age of this equipment, we would like to replace these remaining incandescent taxiway lights with LED's. This, again, will reduce our maintenance efforts on the airfield, increasing safety and provide visual consistency of all taxiway lights to pilots.

#### Lincoln E02

Scope: Acquire Snow Removal Equipment: Broom  
Total Estimated Cost: \$150,000

In 1994, Lincoln acquired a runway sweeper to SRE operations on the airfield (Project No. 3-31-0050-16). In spite of the age and hours of use on this piece of equipment we find that the chassis/carrier vehicle is in very good shape. The broom head itself, however is worn out and requiring increasing efforts, far beyond normal maintenance, to keep in operating condition.

Rather than a complete new vehicle, the sponsor would like to acquire a new broom head to be mounted on the existing vehicle.

#### Loup City X01

Scope: Reconstruct Hangar Taxilanes  
Total Estimated Cost: \$180,000

The hangar taxilane pavement is in poor condition and needs to be removed and replaced.

#### McCook M02

Scope: Construct Wildlife Fence  
Total Estimated Cost: \$970,344

Install wildlife fence around airport to prevent access by large animals (deer). Fence will be 8 foot chain link or wire mesh with 3 strands of barbed wire on top for a total height of 9 feet.

#### O'Neill G02

Scope: Light Runway 5/23, Segmented Circle, Wind Cone & Beacon  
Total Estimated Cost: \$290,000

Installation of base-mounted medium intensity runway lights to Runway 5/23 will provide 24-hour operational capabilities and increase the capability of the runway. Runway lighting cable will be installed in conduit. The existing segmented circle, wind cone and beacon will be removed and replaced due to the poor condition of each item.

#### O'Neill M01

Scope: Pave Access Road  
Total Estimated Cost: \$600,000

The existing gravel access road will be paved to provide quality access to the airport from U.S. Highway 20. The road is entirely on airport property.

#### O'Neill E01

Scope: Snow Removal Equipment  
Total Estimated Cost: \$155,000

A new bi-directional tractor is needed for quick and easy pavement snow removal.

### O'Neill B02

Scope: Construct SRE Building

Total Estimated Cost: \$900,000

The existing snow removal equipment is scattered around the airport. A new building is proposed for equipment storage, which will allow all equipment to be stored in one location.

### Oshkosh B02

Scope: Hangar

Total Estimated Cost: \$360,000

The Airport has some existing GA hangars that are no longer structurally sound, the doors do not close properly from settlement and the electrical system cannot be brought up to current code standards due to the condition of the building. The Airport needs to remove the old hangars and build a new 4-unit hangar to meet the needs of the existing GA aircraft.

### Pender R01

Scope: Remove & Replace Runway Markings

Total Estimated Cost: \$50,000

The existing visual runway marking is out of date and needs to be updated to non-precision marking standards.

### Pender A01

Scope: Apron Joint Sealing

Total Estimated Cost: \$50,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement.

### Pender R02

Scope: Runway Joint Sealing

Total Estimated Cost: \$158,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement.

### Pender X02

Scope: Taxiway & Taxilane Joint Sealing

Total Estimated Cost: \$34,000

The existing concrete pavement joint sealant has reached its life expectancy. The removal and replacement of the joint sealant will provide extended protection to the existing pavement.

### Red Cloud R01

Scope: Upgrade Markings to NPI  
Total Estimated Cost: \$58,000

The markings for runway 15/33 need to be upgraded from visual to non-precision runway markings.

#### Red Cloud G02

Scope: Remove & Replace Segmented Circle  
Total Estimated Cost: \$75,000

The existing segmented circle on the field is in poor condition and needs to be replaced. The wind cone was recently replaced and is still in good condition.

#### Red Cloud B03

Scope: Replace Doors on Hangar  
Total Estimated Cost: \$150,000

The doors on the existing hangars are in poor condition and in need of replacement.

#### Red Cloud X01

Scope: Construct Parallel Taxiway  
Total Estimated Cost: \$1,325,000

A full parallel taxiway is recommended for the primary runway to eliminate taxiing on the runway, which can be unsafe. A parallel taxiway will improve access to Runway 15/33. This will allow for safe and orderly traffic movements around the airport. Also grading along Runway 15/33 will be completed to comply with primary surface standards.

#### Sargent R01

Scope: Whitetop, Widen & Extend Runway  
Total Estimated Cost: \$2,400,000

The pavement on runway 16/34 has reached the end of its useful life and is in need of replacement. In order to meet current FAA standards the runway will need to be widened by 10 feet and extended an additional 1,000 feet.

#### Tekamah X01

Scope: Pave & Grade Partial Parallel Taxiway  
Total Estimated Cost: \$625,000

The airport already has a partial parallel taxiway to Runway 32, this taxiway will complete the entire parallel taxiway, improving safety and traffic patterns.

#### Tekamah G03

Scope: Light Parallel Taxiway

Total Estimated Cost: \$185,000

New base-mounted medium intensity LED taxiway lights will be installed along the new parallel taxiway. The electrical vault will be evaluated and updated with new regulator and electrical requirements for the additional lights.

#### Tekamah E01

Scope: Acquire Snow Removal Equipment

Total Estimated Cost: \$155,000

The airport currently has no equipment and must hire a contractor for snow removal. The Airport Authority wishes to purchase the snow removal equipment to complete the snow removal in house.

#### Tekamah B02

Scope: Construct SRE Building

Total Estimated Cost: \$431,000

The airport is in need of a building to store snow removal equipment.

#### Tekamah R01

Scope: Runway 14 Extension (400' x 75')

Total Estimated Cost: \$530,000

The ALP shows the ultimate runway length being 4,400' long, this extension will increase declared distances and improve safety at the airport. The extension will require the closure of County Road G and the construction of County Road 41 to provide access around the airport and into the City.

#### Tekamah P01

Scope: Update Airport Layout Plan

Total Estimated Cost: \$130,000

The airport wishes to add a cross-wind Runway to the airport, to do so the ALP must be updated, including a survey in accordance with AC 150/5300-18B.

#### Tekamah B03

Scope: Construct Hangar

Total Estimated Cost: \$750,000

One of the existing T-hangars penetrates the Part 77 transitional surface and needs to be removed, this T-hangar will replace the one that is to be removed.

#### Theford E01

Scope: New Snow Removal Equipment

Total Estimated Cost: \$138,000

The airport currently has no equipment and must hire a contractor for snow removal. The Airport

Authority wishes to purchase snow removal equipment and do it themselves.

Wahoo M01

Scope: Install Jet A Fuel System

Total Estimated Cost: \$200,000

The airport currently has 100LL fuel and would like to be able to supply Jet A fuel in addition.

Wahoo B02

Scope: Hangar Addition (80' x 80')

Total Estimated Cost: \$550,000

The Wahoo Airport Authority wishes to construct a hangar addition to accommodate additional aircraft storage.

Motion by Commissioner Colacurci to approve the use of federal funds for the above projects.  
Second by Commissioner Risk. Roll call vote. All Commissioners voted aye. Motion carried.

Closed Projects

There were no closed projects.

Department Report

A discussion was held regarding the implications of LB512 (Airport Zoning) and LB1048 (Met Tower Reporting Requirements) on our Department.

The next meeting was tentatively set for Saturday, April 24 at 10:00 a.m. CDT in the Lincoln offices.

The meeting was adjourned at 1:25 p.m.

Submitted by,

Ronnie Mitchell  
Secretary