

Department of Transportation

Division of Finance & Management

Office of Air, Rail & Transit

700 East Broadway Avenue

Pierre, South Dakota 57501-2586

OFFICE: 605/773-3574

FAX: 605/773-2804

SD Aeronautics Commission

Teleconference

Meeting Agenda

May 24, 2016 1:00 PM

Pierre, SD

To participate via phone, please dial 1-866-410-8397 enter CODE 1289182255 to join meeting.

Skip Vanderhule, Chairman

- Call to Order
- Approve Minutes from April 6, 2016 meeting..... 1

Tom Koch, Office of Aeronautics

- Aeronautical Hazards..... 2

Jon Becker, Office of Aeronautics

- Aeronautics Trust Fund..... 3
- SDSU ACE Camp funding request..... 4

Bruce Lindholm, Office of Aeronautics

- SD Airports Conference funding..... 5
- Aeronautics Commission Report for 2015..... 6

ADJOURN

Next Aeronautics Commission Meeting will be April 6, 2016.

Meeting agendas are now posted online at Boards and Commissions site
<http://boardsandcommissions.sd.gov/>

Notice is further given to individuals with disabilities that this *commission meeting* is being held in a physically accessible place. Any individuals with disabilities who will require a reasonable accommodation in order to participate in the *commission meeting* should submit a request to the department's ADA Coordinator at 605-773-3540 or 1-800-877-1113 (Telecommunication Relay Services for the Deaf). Please request the accommodations no later than **2 business days prior to the meeting** in order to ensure accommodations are available.

NOTICE OF MEETING
AERONAUTICS COMMISSION
TELECONFERENCE

You will take notice that the South Dakota Aeronautics Commission will have a meeting on Tuesday, May 24, 2016 at 1:00 p.m. The public may listen to and participate in the proceeding in the Transportation Commission Room 200 of the South Dakota Department of Transportation, 700 E. Broadway Avenue, Pierre, South Dakota. **The InterCall dial-in number is 1-866-410-8397. The conference code is 1289182255.**



Darin P. Bergquist, Secretary
Department of Transportation

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STATE OF SOUTH DAKOTA)
 : SS
COUNTY OF HUGHES)

AFFIDAVIT

I, Darin P. Bergquist, Secretary of the Department of Transportation, being first duly sworn, do hereby state that the above Notice of Meeting of the South Dakota Aeronautics Commission will be posted on Friday, May 20, 2016, 2016 in the lobby of the Becker-Hansen Building at 700 East Broadway Avenue, Pierre, South Dakota.



Darin P. Bergquist, Secretary
Department of Transportation

Subscribed and sworn to before me a Notary Public this 20th day of May, 2016.

Notary Public 



My Commission Expires:

Wanda Amundson
My Commission Expires
June 7, 2016

**SD Aeronautics Commission
Meeting Minutes/SD Airports Conference
The Lodge at Deadwood
Deadwood, South Dakota
April 5, 2016 10:30 AM**

MEMBERS: Skip VanDerhule, Chairman
Dave Luers
Dan Noteboom
Arnie Hauge
Eric Odenbach
Chris Funk
Travis Lantis

STAFF: Joel Jundt, Bruce Lindholm, Jennifer Boehm, Colton Stahl, Jon Becker, Tom Koch, Tessa Wenner

OTHERS: David Burwitz, Myron Downs, Darreck Ronnfeldt, Dave Mingo, Jerry Hatheway, Arlen Bartels, Ray Jilek, and Cody Christensen

Chairman VanDerhule called the South Dakota Aeronautics Commission (the "Commission") to order at 10:30 AM on Tuesday, April 5, 2016. A roll call was taken and a quorum was determined.

The Commission attended meetings with each of the following airport sponsors, who discussed airport status, airport projects, and the items listed below:

- Rapid City : apron reconstruction
- Spearfish: sponsorship; crosswind planning
- Rosebud: AWOS III justification; fuel system
- Wall: Master planning; ALP
- Huron: Master plan; runway extension/shift; loss of EAS
- Pierre: primary status; EAS; master plan
- Platte: runway reconstruction
- Aberdeen: runway shift
- Watertown: runway reconstruction
- Brookings: runway reconstruction
- Madison: wetland mitigation
- Yankton: apron reconstruction; hangar relocation
- Lemmon: runway reconstruction
- Mobridge: runway reconstruction; future extension

The Commission took lunch from 12:00 to 12:30 PM and recessed at 6:00 PM on Tuesday, April 5, 2016.

The Commission reconvened at 8:00 AM Wednesday, April 6, 2016.

A motion was made by Lantis, second by Odenbach, to approve the February 23, 2016, Aeronautics Commission meeting minutes. A roll call was taken and all voted aye. Motion carried.

Jennifer Boehm, Office of Aeronautics- Aircraft Dealer License Appeal

Two dealers submitted an appeal to the Aeronautics Commission for approval to waive the dealer requirement of selling or brokering 6 aircraft in the past 24 month period so they may renew their dealer license for another two years. Neither dealer has fulfilled the requirement under SDCL 50-12-14 to sell or broker at least six aircraft in the past 24 calendar months in order to renew their dealer license.

The dealers requesting waivers are:

- Mark Wendling
- Justin Johnson of Skylancer Aviation, LLC

The reason for the dealers' request is that the turnaround time of buying multiple un-airworthy aircraft, repairing and then selling those aircraft can take longer than 24 months.

A motion was made by Lantis, second by Luers, to approve the Aircraft Dealer License Appeal and allow the renewal of the dealer licenses for Mark Wendling and Justin Johnson of Skylancer Aviation, LLC for another two years. A roll call was taken and all voted aye. Motion carried.

Jennifer Boehm, Office of Aeronautics- 2016 International Aviation Art Contest, "Air Sports In Harmony with Nature"

Boehm discussed the results of the annual art contest. The Office of Aeronautics received 104 pieces of artwork from nine different schools. The list of winners can be seen on the Department of Transportation (DOT) website.

At the request of Chairman Vanderhule, Bruce Lindholm discussed the agenda item concerning aeronautics trust fund projections in advance of other remaining agenda items.

Bruce Lindholm, Program Manager, Office of Aeronautics- Aeronautics Trust Fund Projections

Lindholm updated the Commission on the current balance of the Aeronautics Trust Fund and summarized the previous year's balances in comparison. Numerous questions were asked about the status of repayment of the loan that the Commission had given in 2010, to the State of South Dakota.

No action was taken.

Colton Stahl, Office of Aeronautics- Aeronautical Hazards

Permit #2016-2642-2652 Sioux Falls, SD

Stahl requested the Commission approve Permit #2016-2642-2652 Sioux Falls, SD for Xcel Energy to replace an existing transmission line along north 4th Avenue utilizing new steel poles approximately 2500.0' east of the Sioux Falls airport.

The FAA has determined:

- This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.

DOT is recommending Commission approval.

A motion was made by Lantis, second by Hauge, to approve Permit #2016-2642-2652 Sioux Falls, SD. A roll call was taken and all voted aye. Motion carried.

Permit #2016-3918-3932

Stahl requested the Commission to approve Permit #2016-3918-3932 for Xcel Energy to replace an existing transmission line along 4th Avenue utilizing 15 new steel poles approximately 3500.0' east of Sioux Falls airport.

This proposal has not yet been approved by the FAA.

DOT is recommending the Commission approval.

A motion was made by Lantis, second by Hauge, to approve Permit #2016-3918-3932. A roll call was taken and all voted aye. Motion carried. Approval is conditional upon FAA approval.

FAA Study 2015-AGL-16541-OE

Stahl requested the Commission approve a Federal Aviation Administration (FAA) study number 2015-AGL-16541-EO for Horvath Towers III, LLC to construct a 355.0' antenna tower approximately 10.8 miles northwest of the Yankton Airport.

The FAA has determined:

- This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.
- Markings and lighting will be required.

A motion was made by Odenbach, second by Hauge, to approve the FAA Study 2015-AGL-16541-OE. A roll call was taken and all voted aye. Motion carried.

Colton Stahl, Office of Aeronautics- Custer State Park Airport Pavement Maintenance Funding Request

Stahl summarized a request received from the South Dakota Game, Fish and Parks (GFP) for assistance in the costs for pavement maintenance needed at the Custer State Park Airport. GFP is asking the Commission for \$28,000 for work to be performed at the airport.

DOT is recommending Commission approval.

A motion was made by Odenbach, second by Luers, to approve the Custer State Park Pavement Maintenance Funding Request in the amount of \$28,000. A roll call was taken and all voted aye. Motion carried.

Jon Becker, Office of Aeronautics- Sioux Falls Fuel Tax Request

Becker informed the Commission of a request from the Sioux Falls Regional Airport Authority for permission to use \$519,614 of the Authority's fuel tax funds for the purchase of a high speed broom.

DOT is recommending Commission approval.

A motion was made by Hauge, second by Lantis, to approve the Sioux Falls Regional Airport Authority's request to use \$519,614 of the Authority's fuel tax funds to purchase a high speed broom. A roll call was taken and all voted aye. Motion carried.

Jon Becker, Office of Aeronautics- Lemmon State Grant Amendment

Lemmon Airport AIP #3-46-0027-12-2013- Complete Terminal Area in Hangar Building

The federal grant amount for grant agreement number #3-46-0027-12-2013 was increased by \$3,365.54 to reflect final as-built measured quantities for construction. The State's share must increase accordingly.

DOT is recommending Commission approval to amend the State grant agreement with the city of Lemmon to increase the State's share under the grant by an additional \$186.97.

A motion was made by Odenbach, second by Noteboom, to approve the Lemmon State Grant Amendment. A roll call was taken and all voted aye. Motion carried.

Funk recused himself from the next item of discussion.

Cody Christensen, SDSU- SDSU Aviation Lab Proposal

South Dakota State University requested the Aeronautics Commission provide a \$75,000 one-time investment towards the purchase of a new mobile aviation lab to promote aviation around the state. The lab could reach over 1,000 students and residents every year.

A motion was made by Odenbach, second by Luers, to approve the SDSU Aviation Lab Proposal. A roll call was taken: one nay (Hauge), one recused (Funk), and five aye. Motion carried.

The Commission attended meetings at the 2016 Airports Conference.

The topics of discussion at the meetings were:

- Community involvement with your airport
- Stringless paving for the Miller runway 15/33 reconstruction
- Redevelopment of Rapid City Regional Airport
- Essential Air Service

- The Growing Pilot Shortage: impacts, solutions, and a collaborative path forward
- FAA Great Lakes Region updates
- Mid air collision avoidance
- SD Airport Managers Association presentation

The Commission recessed at 7:00 PM on Wednesday, April 6, 2016.

The Commission reconvened at 8:00 AM, Thursday, April 7, 2016, to attend additional meetings at the 2016 Airports Conference. The topics of discussion at the meetings were:

- Increasing aviation in South Dakota and the pilot source study
- Cold weather airport design
- FAA Dakota-Minnesota Region and Bismarck ADO updates

Adjourn

The Aeronautics Commission meeting adjourned Thursday, April 7th at 11:55 AM.

Next Aeronautics Commission Meeting will be May 24, 2016.

SUBMITTED BY: Tessa Wenner, SDDOT Secretary for Office of Air, Rail & Transit

AERONAUTICS COMMISSION CHAIRMAN: Skip VanDerhule DATE _____



Department of Transportation
Division of Secretariat
Office of Air, Rail & Transit
700 East Broadway Avenue
Pierre, South Dakota 57501-2586
OFFICE: 605/773-3574
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TO: South Dakota Aeronautics Commission
FROM: Tom Koch, Office of Aeronautics
DATE: May 24, 2016
SUBJECT: Aeronautical Hazard Application

Permit #'s 2016-3865-3873 Sioux Falls, SD
FAA Aeronautical Study 2016-AGL-3865- 3873-OE

The City of Sioux Falls will be rebuilding an existing transmission line close to State Hwy 15 (Minnesota Ave) utilizing 9 new laminated wood structures the closest being approximately 1400.0' east of the Sioux Falls airport.

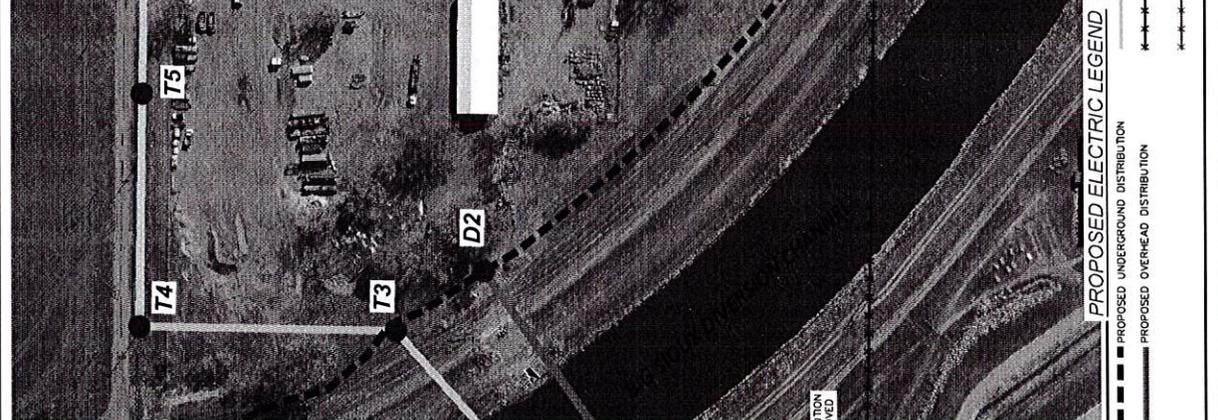
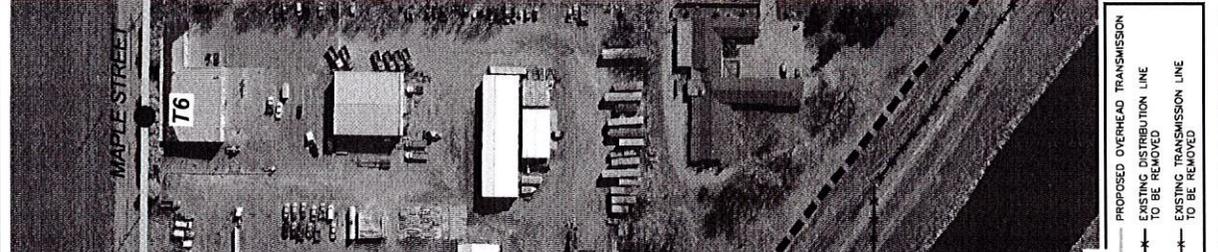
The FAA has determined:

- ◆ This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.
- ◆ Aeronautical studies, 3866, 3867 and 3873 must be marked/lighted as per FAA requirements.

The department is recommending Commission approval.

POLE LOCATIONS & ELEVATIONS

STRUCTURE NUMBER	TRANSMISSION LINE	LATITUDE	LONGITUDE	EXISTING GROUND ELEV.
T1	DISTRIBUTION LINE	43°34'15.57"N	96°43'37.72"W	1423.19
T2		43°34'16.65"N	96°43'36.09"W	1423.54
T3		43°34'19.56"N	96°43'31.67"W	1419.08
T4		43°34'22.77"N	96°43'31.64"W	1421.04
T5		43°34'22.74"N	96°43'27.69"W	1421.43
T6		43°34'22.72"N	96°43'23.82"W	1423.54
T7		43°34'22.70"N	96°43'20.08"W	1424.92
D1	DISTRIBUTION LINE	43°34'15.85"N	96°43'35.61"W	1417.37
D2		43°34'18.46"N	96°43'30.66"W	1419.41
E1	EXISTING TRANSMISSION LINE	43°34'22.07"N	96°43'39.23"W	1426.66



NOTE: 2012 AERIAL PHOTO

EXISTING TRANSMISSION LINE TO BE REMOVED

EXISTING DISTRIBUTION LINE TO BE REMOVED

I HEREBY CERTIFY THAT THIS SURVEY INFORMATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA.

AARON J. NORMAN, P.E./L.S.
 REC. NO. 48755

REGISTERED PROFESSIONAL ENGINEER
 REG. NO. 8755
 AARON J. NORMAN
 SOUTH DAKOTA LAND SURVEYOR

9/25/14

APPLICATION FOR LOCATION OF AERONAUTICAL HAZARD

State Permit #: _____

South Dakota Aeronautics Commission
Becker-Hansen Building, 700 E Broadway Avenue
Pierre, South Dakota 57501-9989
Air, Rail and Transit (605)773-3574

2016-AGL-3865-OE to
2016-AGL-3873-OE

FAA Airspace #: _____

A. APPLICANT

Proponent:

Proponent's Representative:

Company: City of Sioux Falls
Address: 2000 North Minnesota Ave
Sioux Falls SD 57104
Phone: (605) 373-6979
Fax: _____
Attention: Jerry Jongling

Company: DGR Engineering
Address: 1302 South Union St
Rock Rapids IA 51246
Phone: (712) 472-2531
Fax: (712) 472-2710
Attention: Troy Metzger

B. TYPE OF STRUCTURE

Type: New Construction
 Alteration
 Existing

Work Schedule Dates:
Begin Date: 06/01/2016
End Date: 12/01/2016

Nature and Complete Description of Structure

(Type of material, obstruction lighting and painting and any special marking):

New laminated wood structures (Str #'s T1-T7) for an electric transmission line that is being rebuilt close to the existing alignment. Str #'s D1 & D2 are also laminated wood poles and are for a new distribution line crossing of the diversion channel. No special lighting, painting, or markings are included.

C. LOCATION INFORMATION

Latitude: See attached Longitude: See attached Nearest City: Sioux Falls
Dist & Direction to City: Inside City limits.

Nearest Public Use Airport:

Location Description:

Airport/City: Sioux Falls Regional Airport/
Distance & Directions to Airport: Sioux Falls; Airport is NW of
Str's-see attached for distance.

The structures listed in the attached will be located in Section 9 of Township 101N and Range 49W in the City of Sioux Falls - see attached map.

Height of Structure:

- a. Site Elev: ft. (MSL)..... See attached
- b. Structure Height: ft. (AGL).. See attached
- c. Overall Height: ft. (MSL)..... See attached

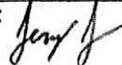
Nearest State Hwy & Distance to Hwy Centerline:

Minnesota Ave (State Hwy 115) is approximately 600' from the closest structure.

THE UNDERSIGNED HEREBY AGREES TO SUCH FURTHER REQUIREMENTS AS THE STATE AERONAUTICS COMMISSION MAY PRESCRIBE RELATING TO MARKING, LIGHTING AND SAFETY TO THE FLYING PUBLIC AS MAY FROM TIME TO TIME BE ADOPTED BY THE COMMISSION FOR TOWERS 499' AND TALLER.

CERTIFICATION: I hereby certify that all of the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Date: 3-28-16 Name and Title: Jerry Jongling
Electric Superintendent

Signature: 

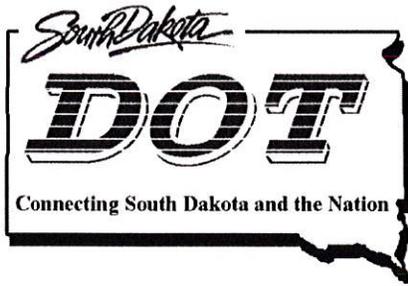


STRUCTURE DATA FOR SD AERONAUTIC COMMISSION -
CITY OF SIOUX FALLS - 115 KV NORTH TRANSMISSION LINE REBUILD PROJECT

Structure Number	Structure Name	Longitude (DMS)	Latitude (DMS)	Distance from runway edge (ft)	Closest Runway	Elevation		Structure Height	
						MSL (ft)	AGL (ft)	MSL (ft)	MSL (ft)
T1	Transmission Pole	96d43'38.05"W	43d34'15.67"N	1,635	33	1424.27	65.5	1489.77	
T2	Transmission Pole	96d43'37.99"W	43d34'18.78"N	1,528	33	1424.17	70.0	1494.17	
T3	Transmission Pole	96d43'39.55"W	43d34'22.02"N	1,370	33	1424.25	70.0	1494.25	
T4	Transmission Pole	96d43'34.23"W	43d34'22.79"N	1,756	33	1428.05	67.0	1495.05	
T5	Transmission Pole	96d43'29.56"W	43d34'22.76"N	2,103	33	1421.38	70.0	1491.38	
T6	Transmission Pole	96d43'24.75"W	43d34'22.73"N	2,452	33	1423.09	70.0	1493.09	
T7	Transmission Pole	96d43'20.08"W	43d34'22.70"N	2,804	33	1424.66	72.0	1496.66	
D1	Distribution Pole	96d43'35.94"W	43d34'16.43"N	1,760	33	1423.25	65.5	1488.75	
D2	Distribution Pole	96d43'31.24"W	43d34'19.03"N	2,063	33	1419.24	65.5	1484.74	
E1	Closest Existing City Transmission Pole	96d43'39.208"W	43d34'22.049"N	1,387	33	1426.66	72.0	1498.66	

STRUCTURE DATA FOR SD AERONAUTIC COMMISSION -
CITY OF SIOUX FALLS - 115 KV NORTH TRANSMISSION LINE REBUILD PROJECT

Structure Number	Structure Name	Longitude (DMS)	Latitude (DMS)	Distance from runway edge (ft)	Closest Runway	Elevation MSL (ft)	Structure Height AGL (ft)	Overall Height MSL (ft)
T1	Transmission Pole	96d43'38.05"W	43d34'15.67"N	1,635	33	1424.27	65.5	1489.77
T2	Transmission Pole	96d43'37.99"W	43d34'18.78"N	1,528	33	1424.17	70.0	1494.17
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E1	Closest Existing City Transmission Pole	96d43'39.208"W	43d34'22.049"N	1,387	33	1426.66	72.0	1498.66



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Division of Secretariat

Office of Air, Rail & Transit

700 East Broadway Avenue

Pierre, South Dakota 57501-2586

OFFICE: 605/773-3574

FAX: 605/773-2804

TO: South Dakota Aeronautics Commission

FROM: Jon Becker, Office of Aeronautics

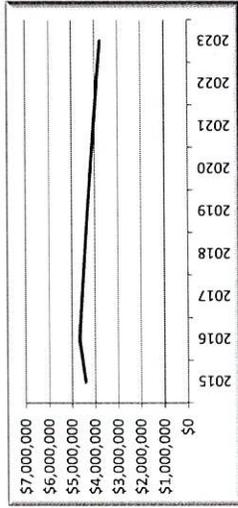
DATE: May 24, 2016

SUBJECT: Aeronautical trust fund projections

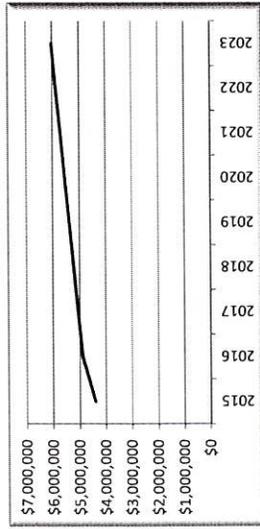
Attached is a summarization of trust fund projections using various state match percentages and grant program values. The table shows three columns and three rows. The columns depict the fund using an annual grant program of \$28 million, \$32 million and \$37 million. In each column, graphs depict state match percentages of 5%, 4% and 3%.

Aeronautics Trust Fund Balance Projection 2016-2023

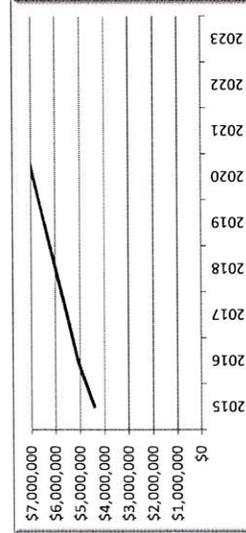
Annual Project Estimate \$28 Million
5% State Share



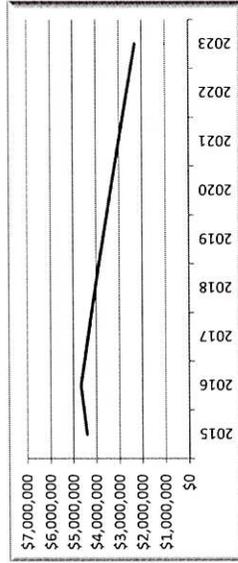
4% State Share



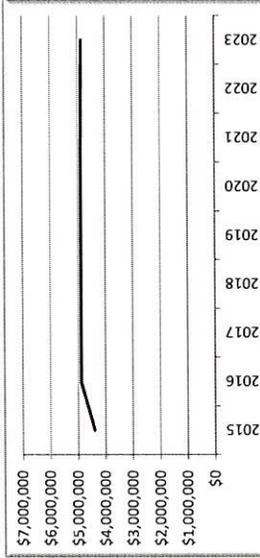
3% State Share



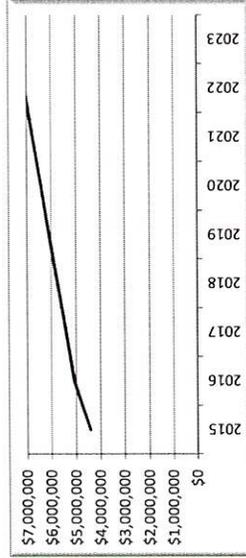
Annual Project Estimate \$32 Million
5% State Share



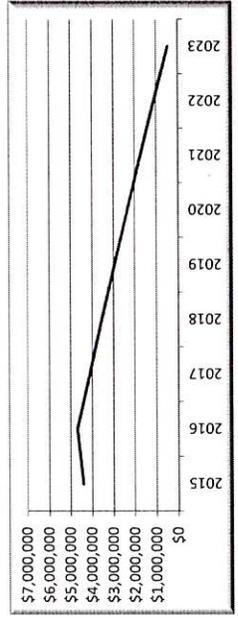
4% State Share



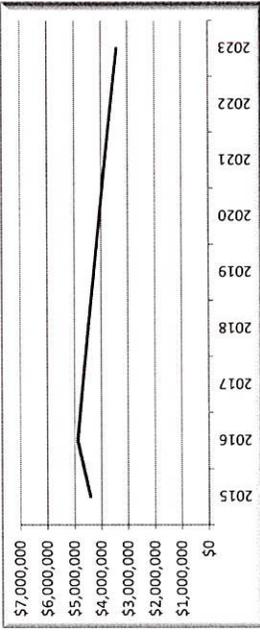
3% State Share



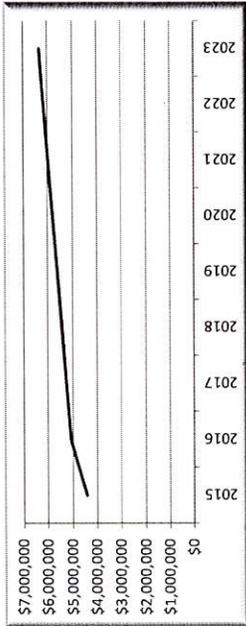
Annual Project Estimate \$37 Million
5% State Share



4% State Share



3% State Share



2016 Proposed SD Airport AIP Projects

Airport	Project Description	Total Funds
Aberdeen	Construct shift 17-35	\$6,272,612
Belle Fourche	Install card reader; install new fuel system	\$433,000
Bison	Acquire SRE tractor and attachments; PM	\$300,000
Britton	13 end approach protection, land appraisal and acquisition; WHMP	\$270,000
Brookings	Braking meter; design 17/35 reconstruction (1700'X60')	\$82,500
Canton	Design wildlife fence	\$76,000
Clark Co	SRE plow with attachments	\$150,000
Custer County	Acquire rpz land, Design GA apron rehab; PM & markings	\$200,000
Desmet	Design/construct access road/parking lot, gate w/card reader	\$250,000
Faith	Upgrade fuel system and card reader	\$200,000
Flandreau	Planning/ALP prior to runway 10/28 design reconst; Lighting imp; PM	\$100,000
Gregory	Geotech exploration; design apron expansion 100x100; PM	\$28,000
Highmore	Construct partial parallel taxiway, phase 2	\$695,000
Hot Springs	Construct partial parallel taxiway	\$1,025,000
Huron	Master Plan	\$150,000
McLaughlin	Land acquisition for RPZ and departure surface	\$120,000
Madison	Construct detention pond, drainage, wetland mitigation, revise fence ; PM	\$1,416,000
Martin	design wildlife fence	\$33,333
Milbank	Design wildlife fence; appraisals/acquire RPZ land; ALP update; wildlife site visit; WHMP	\$351,500
Miller	Land acq for hangar expansion(2.8 acres), fencing improvements; ALP update	\$375,000
Mobridge	Design runway 12/30 and connector reconstruction; SRE equipment; PM	\$162,000
Murdo	Land acquisition for 14-32 RPZ	\$150,000
Onida	Design and construct hangar taxilane extension; widen taxilane	\$375,000
Parkston	Land acquisition for RPZ and design for hangar expansion (11 acres)	\$495,000
Philip	Fee and appraisal for acquiring land for 12/30 RPZ	\$75,000
Pierre	Design ARFF bulding; Wildlife assessment; MP update, eALP	\$1,015,000
Pine Ridge	Construct apron expansion - phase 1	\$694,445
Platte	Construction & engineering for recon runway 14/32 MIRL, PAPI	\$3,000,000
Rapid City	Old term apron rehab; commercial apron rehab, term study, sewer design; Agis survey	\$3,100,000
Redfield	Land acquisition (90 acres); wetland mitigation/filling;	\$1,015,000
Rosebud	Rev producing fuel system; AWOS; PM	\$550,000
Sioux Falls	partial recon rwy 3/21 ends; rwy 3/21 blast pads	\$8,969,400
Sisseton	Land acquisition; design wetland mitigation/filling; PM	\$850,000
Sturgis	Design/construct concrete apron joint repair (250'x350'); CATEX	\$96,000
Tea	Taxiway reconstruction - phase 1	\$1,200,000
Vermillion	Construct apron expansion	\$325,000
Wagner	Land acquisition of RPZ; update exhibit A; rehab turf; recon hangar taxilane	\$575,000
Wall	ALP update and airport master plan	\$275,000
Watertown	Reconstruct runway 12-30	\$8,000,000
Webster	acquire land for RPZ and wildlife fence clearance; runway reconst.2017?	\$350,000
Winner	Design lower apron expansion; geotech investigation; PM (spall, sealant)	\$42,500
Totals		\$43,842,290



Department of Transportation

Division of Secretariat

Office of Air, Rail & Transit

700 East Broadway Avenue

Pierre, South Dakota 57501-2586

OFFICE: (605)773-3574

FAX: (605)773-2804

TO: South Dakota Aeronautics Commission

FROM: Jon Becker
Office of Air, Rail, and Transit

DATE: May 24, 2016

SUBJECT: SDSU ACE camp request

The Aerospace Career and Education Camp (ACE Camp) will hold their 2016 camp on July 21st through the 24th on the SDSU campus. The SDSU Aviation Program is asking for \$5000 this year to help with oversight, transportation activities and food. The request letter is attached.

May 18, 2016

Office of Aeronautics
SD Department of Transportation
700 E Broadway Avenue
Pierre, SD 57501

RE: 2016 Aerospace Career and Education Camp

Dear Chairman VanDerhule:

The ongoing support from the Office of Aeronautics for the Aerospace Career and Education (ACE) Camp is greatly appreciated. We would like to once again thank the SD Aeronautics Commission for their efforts to promote aviation and encourage students to pursue majors in aviation, engineering, and aerospace studies.

As you can see, the SD Aeronautics Commission is the primary sponsor for the camp and the campers benefit from additional funds by our generous benefactors, without which the camp would be too costly for many students to attend. We would not be able to support the camp without the help of the commission and for that we thank you!

This year we have seen many changes with the funding of ACE Camp. In the past, the FAA and other key sponsors have shared much of the administrative oversight of the camp as well as the reporting functions of the camp. This year, we lost funding from the SD Space Grant in terms of a graduate assistant, and the FAA has not provided any financial support in a number of years. We did secure some additional funding this year for student scholarships from the Kevin Dalsted Memorial Fund that will help with the cost of camp. Lastly, the SD Space Grant Consortium did contribute a substantial donation to help offset some of the rising costs for the upcoming ACE Camp.

Many positive outcomes and relationships have been built through the years because of ACE camp. We already have 32 students signed up for camp this year and expect another great year at camp. While not every student uses the camp as a bridge to a career in the aviation industry, we feel it opens their eyes to the very important part that aviation places in South Dakota and equips them to provide a positive light on the industry.

On behalf of ACE Camp, I ask the SD Aeronautics Commission to donate \$5,000 to help provide camp oversight, transportation while at camp, activities, and food for the campers. The money provided by the Aeronautics Commission ensures that the tuition for the camp remains within reach for students attending camp. We have been able over the last three years to judiciously plan for camp expenses and even though camp costs increased almost 30% over the last three years, we have been able to do more with less and will continue to maximize any resources we receive.

Again, we thank you for your ongoing support and hope for its continuation. If you would like any additional information, please feel free to contact me.

Sincerely,

Cody Christensen
ACE Camp 2016 coordinator
South Dakota State University

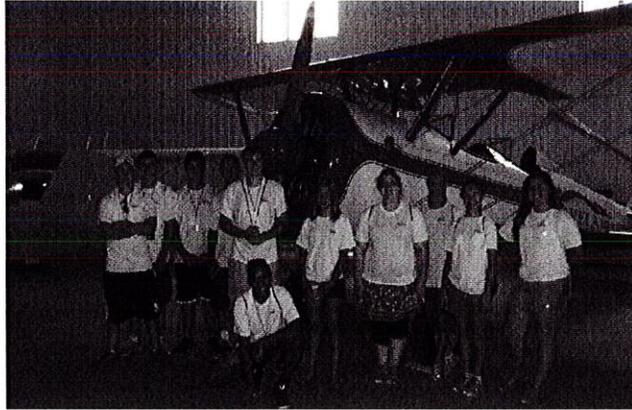
2015 ACE Camp Budget (Rounded)		
based on 23 Campers		
Item	Expense	Income
Salary/other expenses	\$ 9,049	
Meals*	\$ 1,878	
Housing*	\$ 1,235	
Activities	\$ 3,486	
Transportation*	\$ 405	
camp sponsorships		
South Dakota Aeronautics Grant		\$5,000.00
SDSU Aviation Program		\$500.00
SD Space Grant		\$4,300.00
Student Tuition		
Student tuition (less scholarships)		\$6,950
Summer of Innovation Grant		
South Dakota Pilots Association		\$600.00
Yankton Regional Aviation Association		\$500.00
Total	16,053	17,850
Difference		\$1,797
Average cost per camper	\$697.95	

All expenses/income not shown such as in-kind donations, time of individuals outside of camp, and some camp oversight paid for by outside entities.

2016 Prelim ACE Camp Budget		
based on 32 Campers in 2016		
Item	Expense	Income
Salary/other expenses	\$9,634.00	
Meals*	\$2,705.62	
Housing*	\$2,635.00	
Activities	\$5,290.80	
Transportation*	\$500.00	
camp sponsorships		
South Dakota Aeronautics Grant		\$5,000.00
SDSU Aviation Program		\$500.00
SD Space Grant		\$4,300.00
Student Tuition (30 students * \$350) = \$10500		
Student tuition (less scholarships)		\$9,700.00
Summer of Innovation Grant		
South Dakota Pilots Association		\$600.00
Dalsted Scholarship		\$400.00
Yankton Regional Aviation Association		\$500.00
Total	\$20,765.42	\$21,000.00

ACE Camp 2016

JULY 21ST THROUGH 24TH



Aerospace Career & Education Camp

- What:** A career exploration camp for high school age students interested in aviation or aerospace.
- When:** July 21st through 24th.
- Where:** Located in Brookings, SD at the campus of South Dakota State University
- How much:** \$350 per student includes introductory airplane flight, lodging, meals, and transportation at the camp (Scholarships available-see website for more information).

Hosted at South Dakota State University (SDSU) every July, this four-day camp provides high school-aged students the opportunity to get an early start on aviation careers. At the camp, students will learn about the fundamentals of flight, get behind the controls of an aircraft, build and launch model rockets, look into the workings of a jet engine, explore an F-16 fighter jet, and visit with aviation professionals. This year we will be spending a full day at the Sioux Falls Airshow!

ACE Camp enables students to make informed decisions as they consider college and career options. Having completed the program, students are more knowledgeable about the importance and diversity of aviation careers, how aviation and aerospace industries have developed and grown to what they are today, and are aware of future career opportunities and developments.



ACE Camp 2016 Brookings, SD

- Fly an airplane
- Navigate using maps
- Learn about aviation careers
- Go to the Sioux Falls Airshow
- Build a rocket
- Learn to fly by instruments only
- See how a jet engine works
- Meet new people
- Spend some time on a college campus
- Did we mention fly an airplane?!?!?!?



Contact info:

Dr. Cody Christensen

Email: acecamp@sdstate.edu

143 Wagner Hall Box 2275A

Brookings, SD 57007

Phone: 605.688.4983



Register at: www.sdstate.edu (keyword: ACE camp)



Department of Transportation

Division of Secretariat

Office of Air, Rail & Transit

700 East Broadway Avenue

Pierre, South Dakota 57501-2586

OFFICE: 605/773-3574

FAX: 605/773-2804

TO: South Dakota Aeronautics Commission

FROM: Bruce Lindholm
Office of Air, Rail, and Transit

DATE: May 24, 2016

SUBJECT: SD Airports Conference funding

The Aeronautics staff is requesting use of the Aeronautics Fund to cover excess costs incurred at the 2016 SD Airports Conference. Due to a miscalculation, the registration fee of \$45 per person was not enough to cover all costs. Total amount of the conference was \$7,342.43. Staff collected \$5,397 in registration fees which leads to a shortfall of \$1,900.43.

Staff is recommending approval of a payment to the 2016 conference in the amount of \$1,945.43. It is anticipated that the money can be repaid over the next 2 years by increasing the registration fee for the next 2 conferences.

Conference Statistics:

- 120 paid attendees
- 24 speakers (who did NOT pay a registration fee)
- \$5,618.09 for food/drink
 - Actual cost was \$6,732.80 less an Advance Deposit of \$1,114.71 = \$5,618.09
- \$415.00 for Audio/Visual Equipment
- \$1,309.34 for Convention Center use

AERONAUTICS COMMISSION REPORT FOR 2015

50-2-4. Report to Governor. On or before the thirty-first day of December, in each year, the commission shall make, to the Governor, a full report of its proceedings for the year ending the thirtieth day of June preceding and may submit with the report any recommendations pertaining to the commission's affairs as seem to the commission to be desirable.

1. Commission members and terms (all expire on October 30)

Skip VanDerhule, Chairman, Yankton, term expires 2017
Eric Odenbach, Vice-Chairman, Eureka, term expires 2018
Dave Luers, Pierre, term expires 2016
Christopher Funk, Volga, term expires 2018
Travis Lantis, Spearfish, term expires 2016
Dan Noteboom, Corsics, term expires 2018
Arnie Hauge, Sioux Falls, term expires 2016

2. Staffing of aeronautics office (no vacancies at this time)

Engineering manager and secretary (1/3 each to aeronautics), two engineers, a project technician and a program assistant.

3. Number of airports

There are currently 70 public use airports in the State (6 commercial services with the remainder being general aviation). Three airports have closed in recent years (North Sioux City, Dupree, and McIntosh).

4. Number of registered aircraft over last five years and the registration fees collected in the same time period

- a. Please see Attachment #1. The "registration fee" is due yearly based on the size and age of an aircraft. This law is outdated with the average registration being less than \$35, and a relatively large percentage of aircraft registered for \$12.50 per year.
- b. The "Tax Payment" is an original registration tax based on the purchase price of the aircraft. This is 4% on all aircraft except agriculture related which is 3%. The great variation from year to year is caused by the high value of some aircraft. The original registration of just one \$20,000,000 dollar jet would provide \$800,000 in tax.
- c. The number of registered aircraft has increased for the last five years. There was a significant increase (9.4%) between 2013 & 2014.

5. Aviation fuels used in the last five years and the tax received in the same time period

	AV Gas	Jet Fuel	Total	Fuel Collections	Tax on Aircraft	Total
FY2010	1,266,792.00	12,625,034.00	13,891,826.00	\$550,997	\$536,712	\$1,087,709
FY2011	1,314,542.00	15,682,589.00	16,997,131.00	\$751,441	\$1,610,106	\$2,361,547
FY2012	1,144,570.00	16,620,410.00	17,764,980.00	\$767,631	\$774,998	\$1,542,629
FY2013	1,171,553.00	16,607,131.00	17,778,684.00	\$737,928	\$1,630,462	\$2,368,391
FY2014	1,016,967.00	14,924,629.00	15,941,596.00	\$715,358	\$1,019,578	\$1,734,936
FY2015	1,082,901.00	16,447,910.00	17,530,811.00	\$729,541	\$1,259,876	\$1,989,417

a. Federal funds received in the last six years.

FY2010-\$38,406,473

FY2011-\$38,518,358

FY2012-\$26,704,910

FY2013-\$31,812,519

FY2014-\$19,831,306

FY2015-\$20,432,294

b. Federal funding issues. The required match to federal funds changed in 2012 from 5% to 10%. The commission changed the State portion from 3% to 5% in 2013 which leaves 5% for local match.

6. List of Airport Improvement Program (AIP) projects in FY16 is in draft form and will likely change. See attachment #2.
7. Airport inspections. Each non-commercial airport is inspected by DOT each year, with further compliance inspections conducted as needed. The commercial service airports are inspected by the FAA.
8. Aeronautics Trust Fund
Please see attachment #3 for a report on the aeronautics fund condition. In 2010, \$3.5 million was swept from the fund through legislative action for other uses. In 2014, the legislature put \$500,000 back into the fund. The fund's largest expense is the match required on federal money used for the Airport Improvement Program (AIP). Examples of AIP projects include runway construction, runway maintenance, taxiways, airport aprons, revenue producing hangers and fuel systems, runway lighting, airport fencing, and other infrastructure improvements. The other two highlights in the report show a trend in "receipts less disbursements" and in the "ending cash balance".
9. Legislation
 - a. Title 50 on aviation was updated in the 2014 legislature with a major re-write and clean-up.
 - b. Other legislative issues for the future. "Fees" were not addressed in the Title 50 re-write in 2014. The two main sources of revenue to the aeronautics trust fund in South Dakota are tax on aviation fuel and original registration (sales) tax on aircraft. We want these two taxes to both produce adequate revenue yet stay competitive with other states. For example, we want aircraft fueled in South Dakota, and we want aircraft to be registered in the State. We cannot price ourselves out of the market. Yearly aircraft registration and dealer fees are severely outdated in law. For example, a large percentage of aircraft in the State are registered for \$12.50. It costs more to provide the decal. Because of the relatively small number of aircraft, we could double the fees and collect another

\$50,000 in revenue. It is not a large generator of revenue, so on the other hand why cause grief by raising the fees excessively.

10. Status of airport directory and aeronautical chart

- a. Periodically (mostly bi-annually) the Commission has authorized the development and publication of two pilot resources; the Airport Directory and the South Dakota Aeronautical Chart. These were distributed in CY 2015 at a total cost of about \$18,000.
- b. DOT sponsors a yearly "Airport's Conference" usually in the spring to bring together airport managers, airport sponsors which is usually a municipality, engineering consultants which represent the sponsors in construction projects, and the regulators. The conference is used to educate and discuss issues.

11. Issues

a. UAV's

Unmanned aerial vehicles (drones) is a rapidly growing industry. The FAA is slow to develop regulation and the industry is impatient. Some of the issues with UAV's: privacy concerns when used by law enforcement and by private entities; the safe and responsible use of UAV's to keep the skies safe for aviation; and the use of UAV's for criminal activity. Some states are adopting their own laws for these concerns plus provisions for civil action when UAV's are used improperly. FAA recently (December 2015) came out with rules regarding registration of UAV's.

b. Super AWOS

Using the aeronautics trust fund, the State has purchased and placed 29 remote weather reporting stations in South Dakota. These reporting stations use equipment called Super AWOS. The FAA will not certify this equipment which causes problems with using the information by some pilots in some situations. There is a battle between the FAA and the company producing the Super AWOS.

c. Re-organization of the FAA offices

The FAA has recently completed a reorganization of their field offices. In the past, South and North Dakota were combined to form one area district office (ADO) with the office located in Bismarck. Now, Minnesota has been added to this area and the main office was moved to Minneapolis. Some were worried South Dakota would lose its identity and funding for the airport improvement program. There is still an office in Bismarck with more FAA employees than before. We have not experienced a change in dealing with the FAA nor the funding.

d. Permitting of towers and other tall structures

One function of the Commission is to permit hazards to air navigation such as towers. The legislature was lobbied and SDCL 50-9-1 was amended in 2014 to include the following language.

Any person or organization, who intends to construct or alter a structure that exceeds two hundred feet above ground level and that is outside the zones described in this section and who has obtained a Federal Aviation Administration determination of no hazard, may provide that determination to the commission prior to the start of construction in lieu of the application and permit required by this chapter.

Although FAA action preempts the State, the FAA has no enforcement authority over tower construction. With the State's enforcement authority, we worked with the FAA for the safe construction of towers. We have not received one notification per this law to date.

12. Recommendations. FAA recently requested closer cooperation between SDDOT, airport sponsors and the FAA. We have outlined a process for that increased coordination – it will involve more staff travel time to regional meetings to discuss airport projects. We believe this increased coordination is a benefit to the Aeronautics Program at SDDOT in the form of reduced rework and more efficient delivery of projects.