NOTICE OF MEETING
AERONAUTICS COMMISSION

You will take notice that the South Dakota Aeronautics Commission will have a meeting on Tuesday, August 23, 2016 at 11:00 a.m. The public may participate in the proceeding at the **South Dakota State University Aviation Complex at the Brookings Regional Airport. 201 West 2nd St South, Brookings, SD 57006**
*** Tour transportation will be provided. Limited seating is available. Members of the public will be seated on a first-come, first-served basis.**

Darin P. Bergquist, Secretary
Department of Transportation

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.

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, August 19, 2016, in the lobby of the Becker-Hansen Building at 700 East Broadway Avenue, Pierre, South Dakota and in the lobby of the South Dakota State University Complex at 201 West 2nd St South, Brookings, SD 57006.

Darin P. Bergquist, Secretary
Department of Transportation

Subscribed and sworn to before me a Notary Public this 18th day of August, 2016.

Notary Public

My Commission Expires:

SEAL

WANDA AMUNDSON NOTARY SEAL PUBLIC SOUTH DAKOTA

Wanda Amundson
My Commission Expires
June 7, 2022

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

SOUTH DAKOTA AERONAUTICS COMMISSION MEETING
AVIATION HANGAR, SDSU AVIATION COMPLEX
201 WEST 2ND ST SOUTH
BROOKINGS, SD 57006

11:00 AM	**Call to Order, Chairman Vanderhule, SDSU Aviation Complex**
11:05 AM	*** Tour of Brookings Regional Airport**
12:00 PM	**Recess for lunch, provided at the SDSU Aviation Complex**
1:00 PM	**Reconvene Commission Meeting**

Chairman Vanderhule
- Consideration of Conflicts of Interest **(Attachment #1)**
- Consideration of the August 3, 2016, Meeting Minutes **(Attachment #2)**

Joel Jundt, Deputy Secretary of SDDOT
- Secretary's Report
- Consideration of Tall Structure **(Attachment #3)**

Jon Becker, Office of Aeronautics
- Consideration of AIP Grants (**Attachment #4)**
- Consideration of Britton Airport name change **(Attachment #5)**

*** Tour transportation will be provided. Limited seating is available. Members of the public will be seated on a first-come, first-served basis.**

Adjourn

Next Aeronautics Commission Meeting will be September 27, 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, including the airport tour, 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

Request for State Board/Commission Waiver

THIS IS A PUBLIC DOCUMENT

Date: August 4, 2016

Name of Commission Member or Former Commission Member: Vernon C. "Skip" VanDerhule

Name of Board, Authority or Commission: South Dakota Aeronautics Commission

Brief explanation of your potential conflict of interest:

I co-own an airplane. I based that airplane at the Yankton airport in hangar space leased from the City of Yankton. The City of Yankton is an airport sponsor. By statute, the Commission has jurisdiction over the Yankton airport as well as all public use, public owned, airports in the state.

Briefly explanation of the current or anticipated business transaction with a State agency or with a political subdivision of the State and your role in the transaction:

My aircraft is located in a multi unit hangar, commonly called a T-Hangar. I currently am paying annual rent of $1,524.88 to the City of Yankton. I anticipate this activity to continue for the next several years. The renewal date is January 1st of each year.

Brief explanation of the essential terms of the contract or transaction:

The City developed a written lease agreement for the tenants of this T-Hangar which sets forth terms and conditions of use. There are six (6) units in this T-Hangar. Each tenant has the same lease contract and each tenant pays exactly the same amount of annual rent. Electrical cost is separate and not included in the lease. Each unit has their own unique meter for electricity and each tenant pays for usage to Northwestern Energy.

Briefly explain why you believe a waiver should be granted:

On public use airports in South Dakota, if you have an aircraft, in some manner you must make arrangements and pay compensation to the airport sponsor to keep your aircraft on that airport. By statute, a majority of the members of the Aeronautics Commission must be active in aviation in some manner. This suggests that some or even all of the Commissioners will own aircraft and will therefore be compensating an airport sponsor to base that aircraft on an airport. Currently, all seven members of the commission are in this position. To suggest that no member of the Aeronautics Commission could own a South Dakota based aircraft would make filling all seats on the Commission a practical impossibility.

Signature of person requesting waiver: _____

Request for State Board/Commission Waiver

THIS IS A PUBLIC DOCUMENT

Date: August 4, 2016

Name of Commission Member or Former Commission Member: Vernon C. "Skip" VanDerhule

Name of Board, Authority or Commission: South Dakota Aeronautics Commission

Brief explanation of your potential conflict of interest:

The Aeronautics Commission is administratively attached to the South Dakota Department of Transportation, although the Department has no actual jurisdiction over the Commission and the Commission has no jurisdiction over Department employees. However, the Commission does meet in the DOT building in Pierre and interacts with Department employees. I own a business that sells welding gasses and related supplies. The DOT district highway shop at Yankton makes some of their purchases of these gasses and supplies from my business.

Briefly explanation of the current or anticipated business transaction with a State agency or with a political subdivision of the State and your role in the transaction:

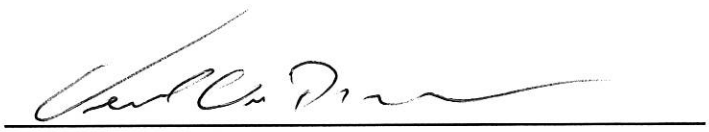
Total sales to the DOT in 2015 were $247.95. For 2016 through June 30th, total sales were $174.50. We anticipate these sales to continue at similar levels.

Brief explanation of the essential terms of the contract or transaction:

There is no contract. When DOT employees wish to exchange an empty cylinder for a full cylinder, they come into our offices. DOT receives no special price. We charge everyone the same.

Briefly explain why you believe a waiver should be granted:

DOT highway shops do not engage in activities on airports and therefore do not use products purchased from us for activities for which the Aeronautics Commission may have jurisdiction. We do not solicit DOT for these sales. DOT employees make the decision of where to buy these products and we are not a sole source provider in the Yankton market. Because of the limited product line we sell, there is no potential for expanded sales to the SD DOT. It is our intent to dispose of this sales line within the next year owing to pending retirement of the undersigned.

Signature of person requesting waiver: 

Request for State Board/Commission Waiver

THIS IS A PUBLIC DOCUMENT

Date: August 4, 2016

Name of Commission Member or Former Commission Member: Vernon C. "Skip" VanDerhule

Name of Board, Authority or Commission: South Dakota Aeronautics Commission

Brief explanation of your potential conflict of interest:

I own a sideline business that sells welding gasses and related supplies. Some of these are sold to the City of Yankton, which is the sponsor of the Yankton airport. The Aeronautics Commission has jurisdiction over the Yankton airport. There is a small oxygen and acetylene cylinder in the Yankton airport's maintenance building that city employees use in repairing equipment used for airport maintenance.

Briefly explanation of the current or anticipated business transaction with a State agency or with a political subdivision of the State and your role in the transaction:

In 2015, our total sales to the City of Yankton were $1,007.50. In 2016 through June 30th, total sales were $380.50. Only a part of these sales would be used for airport functions. The majority of these sales are used by the City in their main vehicle maintenance facility. Our records do not breakdown to which department the City would use these items, ie. airport or main vehicle maintenance. However, the undersigned believes that the City makes purchases for these products for airport use less than once annually. The retail price for one exchange of cylinders currently is $62.00. Our sales margin on such a sale is approx. $15.

Brief explanation of the essential terms of the contract or transaction:

There is no contract. When City employees wish to exchange an empty cylinder for a full cylinder, they come into our offices. The City receives no special price. We charge everyone the same.

Briefly explain why you believe a waiver should be granted:

We do not solicit the City for these sales. City employees make the decision of when and where to purchase these products. They have other options and can obtain the identical products elsewhere. When and if we make any sales, those sales are published in the local newspaper by the City of Yankton, along with all other purchases the city makes. Because of the limited product line we sell, there is no potential for expanded sales to the City of Yankton. It is our intent to dispose of this sales line within the next year owing to pending retirement of the undersigned.

Signature of person requesting waiver: _____

South Dakota Aeronautics Commission
Teleconference Meeting Minutes
Pierre, South Dakota
August 3, 2016 @ 1:00 PM

MEMBERS (VIA PHONE): Skip VanDerhule, Chairman
Dave Luers, Member
Arnie Hauge, Member
Dan Noteboom, Member
Chris Funk, Member

STAFF: Tessa Wenner, Bonnie Olson, Karla Engle, Jon Becker (via Phone), and Jennifer Boehm

OTHERS (VIA PHONE): Steve Hamilton

AGENDA ITEMS:

- Call to Order
- Discussion & Consideration of Conflict of Interest
- Approve Minutes from June 28, 2016 meeting
- Distribution of proposed procedure for handling conflicts of interest
- Secretary's Report
- Consideration of state funding for multiple FAA funded projects
- Consideration of amending state funds for two existing projects

Chairman VanDerhule called the regular meeting of the South Dakota Aeronautics Commission (the "Commission") to order at 1:10 PM. A roll call was taken and a quorum was determined.

****

Skip Vanderhule, Chairman
Discussion & Consideration of Conflict of Interest

Chairman Vanderhule referred to the written procedure for conflict of interest disclosure provided as an attachment in the Commission packet. A discussion was had on adopting the outlined process.

DRAFT

Chairman Vanderhule opened the floor to Commission members to disclose potential conflicts of interest and to present requests for waivers pursuant to South Dakota Codified Law (SDCL) chapter 3-23.

Arnie Hauge made a verbal disclosure requesting a waiver from the Commission relating to Lincoln County's funding request under agenda item #4. Hauge leases a portion of land at the Lincoln County Airport for use as a hangar. Hauge will abstain from any discussion and voting in regard to the Lincoln County airport financial assistance agreement on the agenda.

Motion by Funk, second by Noteboom, to approve the waiver request submitted by Hauge as the Commission has determined that the matter underlying the conflict is fair, reasonable, and not contrary to the public interest. A roll call vote was taken and all voted aye, except for Hauge, who abstained in the Commission discussion and vote. The motion carried.

Skip Vanderhule, Chairman
Approve Minutes from June 28, 2016 meeting

Motion by Luers, second by Funk, to approve the June 28, 2016, meeting minutes. A roll call vote was taken and all voted aye. The motion carried.

Karla Engle, SDDOT Legal Counsel
Distribution of proposed procedure for handling conflicts of interest

The Commission was given more information regarding the handling of conflicts of interest. The proposed procedure was included in the Commission's meeting packet. No action was taken.

Office of Secretary
Secretary's Report

There was no information to share from the Secretary's office.

Jon Becker, Office of Aeronautics
Consideration of state funding for multiple FAA funded projects:

Chairman Vanderhule requested the funding requests for **Belle Fourche 3-46-0006-011-2016** and **Lincoln County 3-46-0078-013-2016** be considered individually from the remainder of the projects.

The Department of Transportation (the "Department") requested funding from the State Aeronautics Fund for the Airport Improvement Program (AIP) projects below:

DRAFT

Belle Fourche 3-46-0006-011-2016
Design and construct a new fuel system with card reader, pumps, 20'x30' concrete pad, system piping, and electrical.

Federal Share	$ 381,774.50
State Share	$ 21,209.70
Local Share	$ 21,209.69
Total	$ 424,193.89

The Department recommends approval of state assistance in the amount of $21,209.70.

Motion by Funk, second by Noteboom to approve state assistance in the amount of $21,209.70 to design and construct a new fuel system with card reader, pumps, 20'x30' concrete pad, system piping, and electrical. A roll call vote was taken. 1 aye (Funk), 4 nay. The motion failed.

Hauge recused himself from the discussion of the Lincoln County funding request.

Lincoln County 3-46-0078-013-2016
Reconstruct taxiway.

Federal Share	$ 1,006,299.45
State Share	$ 55,905.42
Local Share	$ 55,905.42
Total	$ 1,118,110.49

The Department recommends approval of state assistance in the amount of $55,905.42.

Motion by Luers, second by Noteboom, to approve state assistance in the amount of $55,905.42 to reconstruct the taxiway. A roll call vote was taken and all voted aye, except Hauge who abstained from the Commission's discussion and vote. The motion carried.

Hauge rejoined the discussion.

The Commission considered the remainder of the funding requests.

Canton 3-46-0008-006-2016
Design wildlife fence

Federal Share	$ 82,563.00
State Share	$ 4,586.00
Local Share	$ 4,588.00
Total	$ 91,737.00

The Department recommended approval of state assistance in the amount of $4,586.00.

DRAFT

Clark County 3-46-0009-009-2016
Master plan update with GIS survey

Federal Share	$ 153,000.00
State Share	$ 8,500.00
Local Share	$ 8,500.00
Total	$ 170,000.00

The Department recommended approval of state assistance in the amount of $8,500.00.

Gregory 3-46-0018-013-2016
Design of apron expansion, phase 2; Geotechnical exploration.

Federal Share	$ 27,000.00
State Share	$ 1,500.00
Local Share	$ 1,500.00
Total	$ 30,000.00

The Department recommended approval of state assistance in the amount of $1,500.00.

Martin 3-46-0030-011-2016
Design for wildlife fence.

Federal Share	$ 46,000.00
State Share	$ 2,555.56
Local Share	$ 2,555.56
Total	$ 51,111.11

The Department recommended approval of state assistance in the amount of $2,555.56.

Mobridge 3-46-0038-011-2016
Design runway 12/30 and connector taxiway reconstruction, turnaround expansion and replacement of edge lighting and PAPIs. Snow removal equipment blade reimbursement.

Federal Share	$ 145,560.00
State Share	$ 8,087.00
Local Share	$ 8,088.00
Total	$ 161,735.00

The Department recommended approval of state assistance in the amount of $8,087.00.

Onida 3-46-0041-009-2016
Design and construction of hangar taxilane improvements.

Federal Share	$ 306,000.00
State Share	$ 17,000.00

DRAFT

Local Share	$ 17,000.00
Total	$ 340,000.00

The Department recommended approval of state assistance in the amount of $17,000.00.

Pine Ridge 3-46-0045-014-2016
Apron expansion phase 1; geotechnical testing.

Federal Share	$ 592,000.00
State Share	$ 32,888.89
Local Share	$ 32,888.89
Total	$ 657,777.78

The Department recommended approval of state assistance in the amount of $32,888.89.

Platte 3-46-0066-009-2016
Construction of runway 14/32; install MIRL and PAPIs.

Federal Share	$ 1,926,000.00
State Share	$ 107,000.00
Local Share	$ 107,000.00
Total	$ 2,140,000.00

The Department recommended approval of state assistance in the amount of $107,000.00.

Redfield 3-46-0049-010-2016
Master plan update with GIS survey; RPZ analysis.

Federal Share	$ 135,000.00
State Share	$ 7,500.00
Local Share	$ 7,500.00
Total	$ 150,000.00

The Department recommended approval of state assistance in the amount of $7,500.00.

Sturgis 3-46-0054-013-2016
Design and construct 250’ x 350’ concrete apron joint repair.

Federal Share	$ 122,992.79
State Share	$ 6,832.93
Local Share	$ 6,832.93
Total	$ 136,658.65

The Department recommended approval of state assistance in the amount of $6,832.93.

DRAFT

Wagner 3-46-0057-012-2016
Land acquisition for RPZ protection, reconstruction of turf crosswind runway; reconstruction of hangar taxilane.

Federal Share	$ 427,500.00
State Share	$ 23,750.00
Local Share	$ 23,750.00
Total	$ 475,000.00

The Department recommended approval of state assistance in the amount of $23,750.00.

Winner 3-46-0061-014-2016
Geotechnical exploration; design for lower apron expansion – phase 1.

Federal Share	$ 36,900.00
State Share	$ 2,050.00
Local Share	$ 2,050.00
Total	$ 41,000.00

The Department recommended approval of state assistance in the amount of $2,050.00.

Motion by Hauge, second by Funk, to approve the recommended state funding for the remaining FAA funded projects as follows: Canton 3-46-0008-006-2016; Clark County 3-46-0009-009-2016; Gregory 3-46-0018-013-2016; Martin 3-46-0030-011-2016; Mobridge 3-46-0038-011-2016; Onida 3-46-0041-009-2016; Pine Ridge 3-46-0045-014-2016; Platte 3-46-0066-009-2016; Redfield 3-46-0049-010-2016; Sturgis 3-46-0054-013-2016; Wagner 3-46-0057-012-2016; Winner 3-46-0061-014-2016. A roll call vote was taken and all voted aye. The motion carried.

Jennifer Boehm, Office of Aeronautics

Winner Municipal Airport AIP #3-46-0061-12-2013 – Extend Runway 13/31 from 4,500' to 5,500' and installation of associated lighting system.

The federal grant amount was increased to reflect final as-built measured quantities for construction. The state share corresponding to the increase needs to be increased accordingly.

	Federal (90%)	**State (8%)**
Final project	$2,456,866.58	$218,388.14
Original grant	$2,430,000.00	$216,000.00
Change	$26,866.58	$2,388.14

The Department recommended approval of a state grant amendment in the amount of $2,388.14.

DRAFT

Sioux Falls Regional Airport AIP #3-46-0050-48-2014 – Rehabilitate east GA apron, taxiways and east cargo apron; Rehab taxiway A & A3; Rehab various access roads; Design engineering for the rehab of Taxiway B and for Runway 3/21 outside keels; and acquire snow blower

The federal grant amount was increased to reflect final as-built measured quantities for construction. The state share corresponding to the increase needs to be increased accordingly.

	Federal (90%)	**State (5%)**
Final project	$2,806,446.84	$155,913.71
Original grant	$2,732,635.00	$151,813.06
Change	$73,811.84	$4,100.65

The Department recommended approval of a state grant amendment in the amount of $4,100.65.

Motion by Noteboom, second by Luers to approve state grant amendments to **Winner Municipal Airport AIP #3-46-0061-12-2013** and **Sioux Falls Regional Airport AIP #3-46-0050-48-2014.** A roll call vote was taken and all voted aye. The motion carried.

Adjourn

Motion by, Funk, second by Hauge, to adjourn. The motion carried. Meeting adjourned at 2:30 PM.

Next meeting to be held August 23, 2016 in Brookings, SD. Details to follow.

DRAFT

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: Tom Koch, Office of Aeronautics

DATE: August 30, 2016

SUBJECT: Aeronautical Hazard Application

Permit #'s 2016-8088-8091 Mobridge, SD
FAA Aeronautical Study 2016-AGL-8088- 8091-OE

Rachel Anderberg will be building a barn approximately 50 feet south of her existing home. This barn will be approximately 0.7 miles east and south of the Mobridge airport. The FAA has determined:

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

The department is recommending Commission approval.

Complete and use the buttons at the end to send electronically or to print for mailing.

SD EForm - 0941 V2

HELP

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

FAA Airspace #: 2016-AGL-8088-0E

A. APPLICANT

Proponent:

Company: Rachel Anderberg
Address: 28790 Moview Rd
Mobridge SD 57601
Phone: (307) 267-2541
Fax:
Attention: Rachel Anderberg

Proponent's Representative:

Company:
Address:
Phone:
Fax:
Attention:

B.TYPE OF STRUCTURE

Type:
- (●) New Construction
- ( ) Alteration
- ( ) Existing

Work Schedule Dates:
Begin Date: 08/17/2016
End Date: 02/17/2018

Nature and Complete Description of Structure
(Type of material, obstruction lighting and painting and any special marking):

40 X 50 wood and steel barn to be constructed approximately 50 feet south of existing home. It is to be lighted as per FAA Advisory Circular 70/7460-1L, Obstruction Marking and LIghting, red lights - Chapters 4,5(Red), &12

C. LOCATION INFORMATION

Latitude: 45d 32m 18.44s
Longitude: 100d 23m 19.28s
Nearest City: Mobridge
Dist & Direction to City: Approx. 1.5 miles east of Mobridge

Nearest Public Use Airport:
Airport/City: ,
Distance & Directions to Airport: Mobridge airport/ Mobridge SD 0.7 miles east south east of RWY 30 End.

Location Description:
This barn will be located approximatey 0.7 miles east south east of the RNY 30 of the Mobridge airport and 1.5 east of town and 0.1 miles north of SD Hwy 12.

Height of Structure:
a. Site Elev: ft. (MSL)..... 1782
b. Structure Height: ft. (AGL).. 18
c. Overall Height: ft. (MSL)..... 1800

Nearest State Hwy & Distance to Hwy Centerline:

SD Hwy 12 and it is approximately .1 miles north of SD Hwy 12 centerline.

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

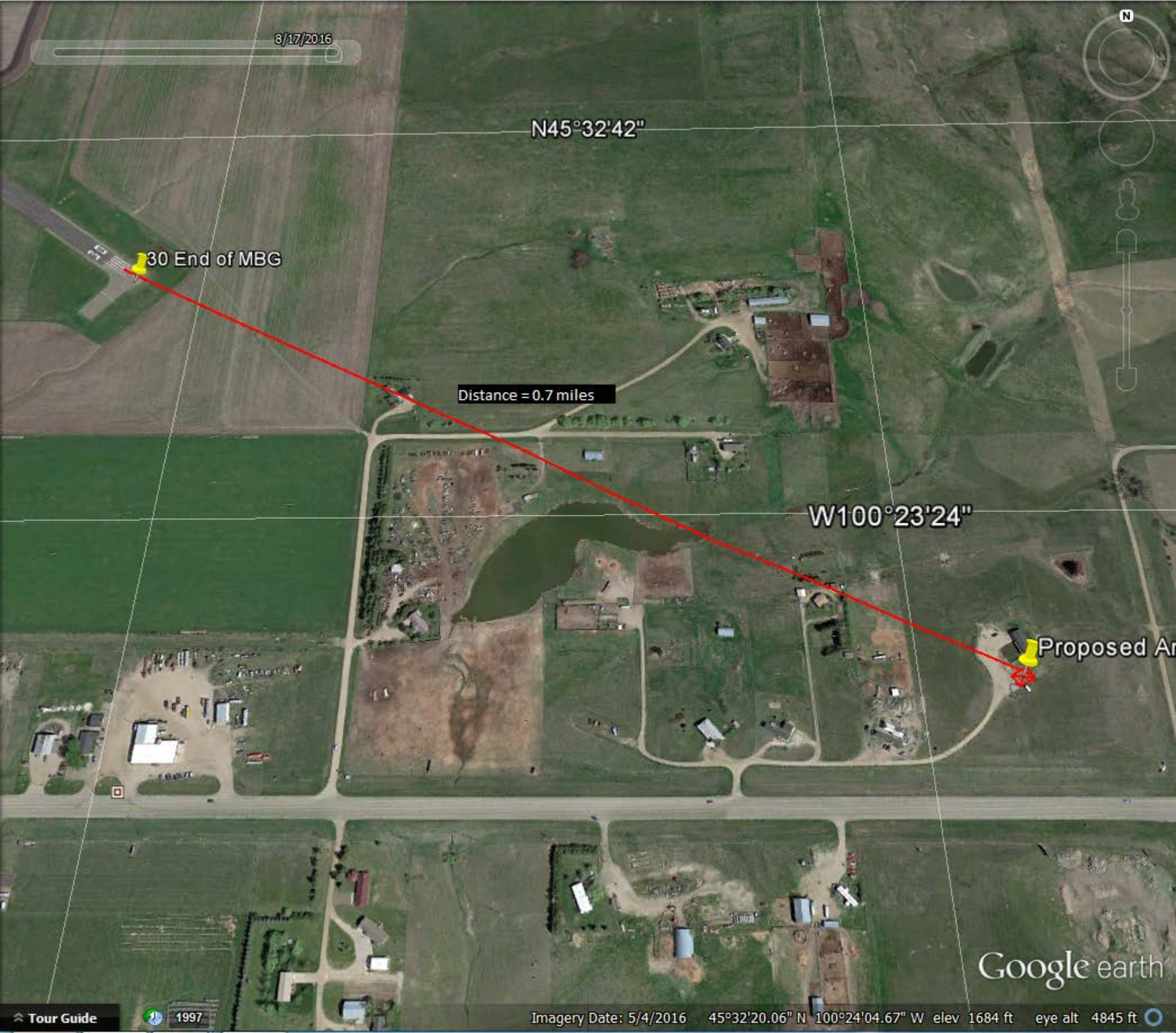
CERTIFICATION: I hereby certify that all of the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Date:	Name and Title:	Signature:
08/17/2016	Rachel Anderberg, Owner	

8/17/2016 1:47:45 PM

1. SEND ELECTRONICALLY or PRINT FOR MAILING

CLEAR FORM


8/17/2016
N45°32'42"
30 End of MBG
Distance = 0.7 miles
W100°23'24"
Proposed Ar
Google earth
Tour Guide
1997
Imagery Date: 5/4/2016 45°32'20.06" N 100°24'04.67" W elev 1684 ft eye alt 4845 ft

Department of Transportation 2
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: August 16, 2016

SUBJECT: Financial Assistance Agreements

The Office of Aeronautics is requesting funding from the State Aeronautics Fund for the AIP projects below.

Brookings 3-46-0005-028-2016

Design of Runway 17/35 reconstruction (1700' x 60').

Federal Share	$ 81,000.00
State Share	$ 4,500.00
Local Share	$ 4,500.00
Total	$ 90,000.00

The Department recommends approval of state assistance in the amount of $4,500.00.

Desmet 3-46-0063-011-2016

Design and construct parking lot and access road improvements.

Federal Share	$ 328,500.00
State Share	$ 18,250.00
Local Share	$ 18,250.00
Total	$ 365,000.00

The Department recommends approval of state assistance in the amount of $18,250.00.

Faith 3-46-0076-008-2016

Upgrade fuel system and card reader.

Federal Share	$ 289,800.00
State Share	$ 16,100.00
Local Share	$ 16,100.00
Total	$ 322,000.00

The Department recommends approval of state assistance in the amount of $16,100.00.

Flandreau 3-46-0077-009-2016

Airport layout plan with GIS survey and narrative report.

Federal Share	$ 153,000.00
State Share	$ 8,500.00
Local Share	$ 8,500.00
Total	$ 170,000.00

The Department recommends approval of state assistance in the amount of $8,500.00.

Madison 3-46-0029-013-2016

Construct detention pond, drainage improvements, wetland mitigation and revise fencing.

Federal Share	$ 1,077,910.00
State Share	$ 59,883.89
Local Share	$ 59,883.86
Total	$ 1,197,677.78

The Department recommends approval of state assistance in the amount of $59,883.89.

Miller 3-46-0035-009-2016

Design and reconstruct apron (mill/overlay).

Federal Share	$ 409,500.00
State Share	$ 22,750.00
Local Share	$ 22,750.00
Total	$ 455,000.00

The Department recommends approval of state assistance in the amount of $22,750.00.

Pierre 3-46-0044-036-2016

Airport master plan update; electronic ALP, aeronautical survey, exhibit A title research and wildlife hazard assessment and management plan.

Federal Share	$ 745,000.00
State Share	$ 41,388.89
Local Share	$ 41,388.89
Total	$ 827,777.78

The Department recommends approval of state assistance in the amount of $41,388.89.

Sioux Falls 3-46-0050-050-2016

Partial reconstruction of runway 3-21; taxiways A, B1, B3, B4 reconstruction; taxiway K rehab within 3-21 OFA (design and construct); taxiway A south of terminal apron entrance and taxiway A2 rehab (design and construct).

Federal Share	$ 7,048,235.00
State Share	$ 391,568.61
Local Share	$ 391,568.61
Total	$ 7,831,372.22

The Department recommends approval of state assistance in the amount of $391,568.00.

Sisseton 3-46-0051-012-2016

Design of wetland mitigation and filling.

Federal Share	$ 31,500.00
State Share	$ 1,750.00
Local Share	$ 1,750.00
Total	$ 35,000.00

The Department recommends approval of state assistance in the amount of $1,750.00.

Wall 3-46-0069-007-2016

Develop airport master plan and electronic ALP update.

Federal Share	$ 287,000.00
State Share	$ 15,944.45
Local Share	$ 15,944.44
Total	$ 318,888.89

The Department recommends approval of state assistance in the amount of $15,944.45.

Project Cost Breakdown

BROOKINGS REGIONAL AIRPORT

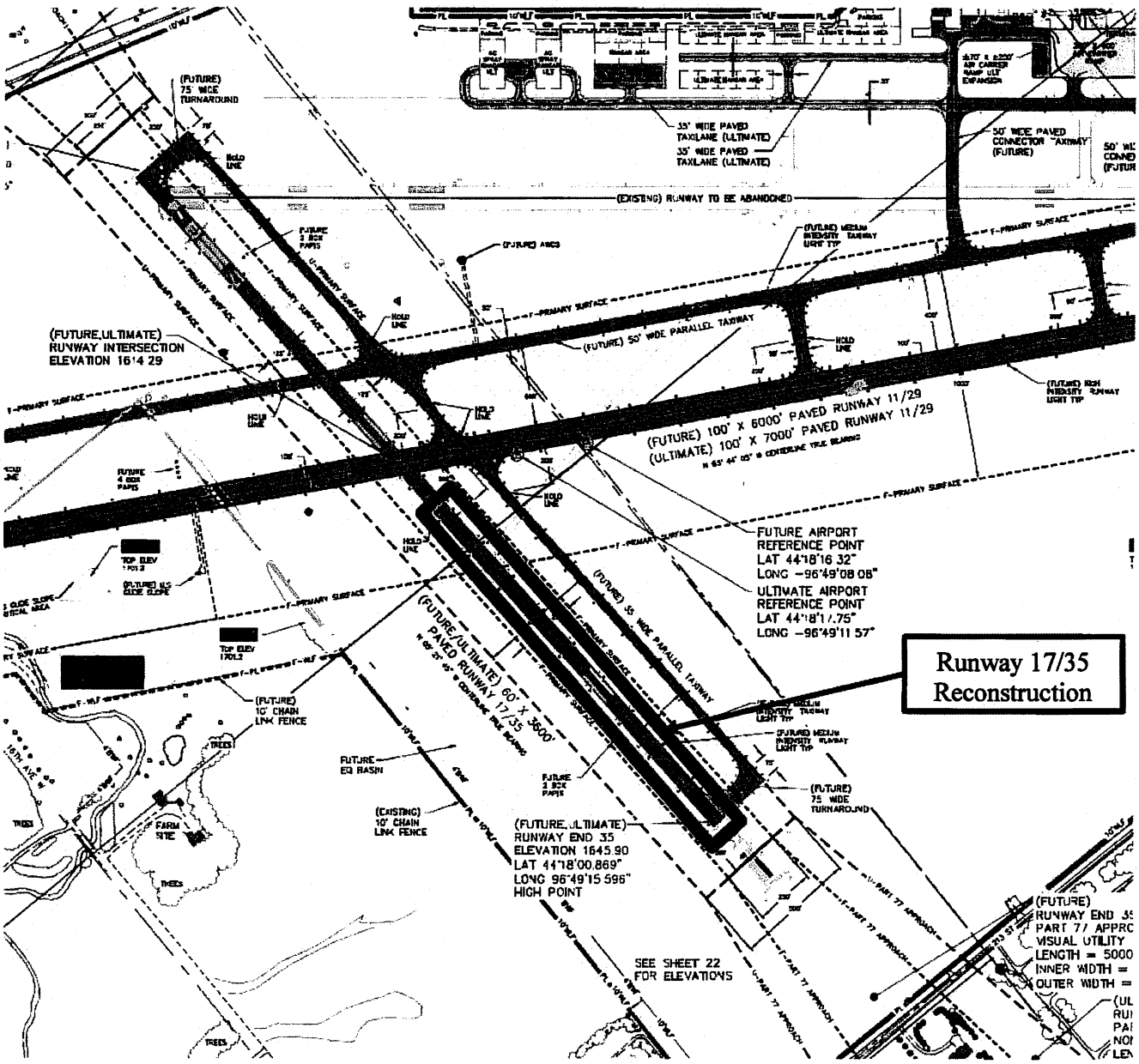
BRAKING METER, DESIGN OF RUNWAY 17/35 RECONSTRUCTION

BRAKING METER	$
RUNWAY 17/35 RECONSTRUCTION DESIGN	$74,279.95
SOIL BORINGS	$ 5,193.00
ADMINISTRATIVE COSTS	$
TOTAL PROJECT COST	$90,000.00

Project Sketch

Brookings Regional Airport

Brookings, SD



Project Description:

Braking Meter; Design of Runway 17/35 Reconstruction (± 1,700' x 60')

Project Narrative

Braking Meter

The current braking meter used at the Brookings Regional Airport is old. The backlight on it doesn't work making it impossible to see at night. They are in need of a new one to be used at all times.

Design of Runway 17/35 Reconstruction (± 1,700' x 60')

The portion of Runway 17/35 north of Runway 12/30 (approximately 1,900') and the Runway 35 end turnaround were constructed as part the Phase I and II Brookings Runway Re-Alignment project in 2012 and 2013. The remaining 1,700' of the runway are still in need of reconstruction. The pavement section consists of 6" of P-208 Base Course and 3" of P-401 constructed in 1988. In 1998, a bituminous base and 3" of P-401 were constructed. A surface treatment was done in 2002. The pavement condition was surveyed in April, 2015 and the Pavement Condition Index (PCI) was 51. The surface is deteriorating with varying levels of longitudinal and transverse cracking. Alligator cracking is prevalent with areas of depressions and rutting which indicate that the base and subgrade are failing below.

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS

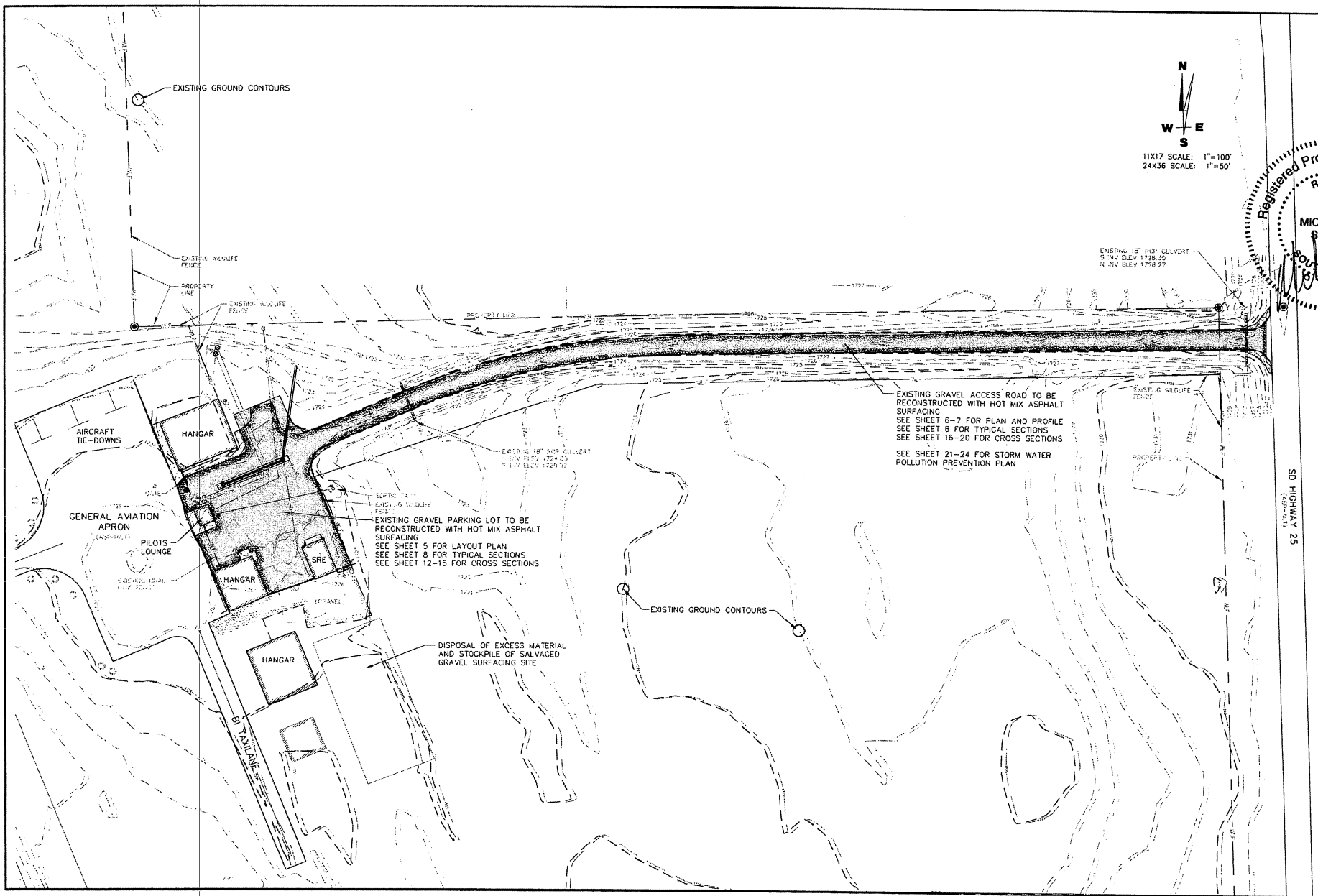
221 Brown County Hwy 19
P.O. Box 111
Aberdeen, SD 57402

Phone: (605) 225-1212 Fax: (605) 225-3189
Email: operations@helmsengineering.com

Parking Lot and Access Road Improvements
Wilder Field
De Smet, South Dakota
AIP #3-46-0063-011-2016
Helms # A-6324
Revised Engineer's Estimate
August, 2016

Base Bid

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Cost
1	GP-105	Mobilization	1	L.S.	$29,000.00	$29,000.00
2	GP-50	Construction Staking	1	L.S.	$10,000.00	$10,000.00
~~3~~	~~S-100~~	~~Construction Safety Phasing Plan~~	~~1~~	~~L.S.~~		
4	P-152	Unclassified Excavation	3,400	CuYd	$3.00	$10,200.00
5	P-152	Disposal of Excess Material	1,559	CuYd	$3.00	$4,677.00
6	P-208 (MOD)	Aggregate Base Course	3,576.0	Ton	$13.00	$46,488.00
7	P-403	Bituminous Base/Surface Course	937.0	Ton	$85.00	$79,645.00
8	P-602	Bituminous Prime Coat	8.0	Ton	$870.00	$6,960.00
9	P-603	Bituminous Tack Coat	5.0	Ton	$680.00	$3,400.00
10	P-610	6' PCC Valley Gutter	534	SqFt	$10.00	$5,340.00
11	D-701	15" RCP	182	Ft	$49.00	$8,918.00
12	D-701	15" RCP Flared End	1	Each	$1,130.00	$1,130.00
13	D-751	2' x 3' Storm Sewer Inlet w/Type E Frame and Grate	2	Each	$2,000.00	$4,000.00
14	T-901	Seeding and Fertilizing	1.5	Acre	$2,840.00	$4,260.00
15	T-905	Topsoiling	395	CuYd	$11.50	$4,542.50
16	TL-100	Field Laboratory, Type I	1	Each	$2,500.00	$2,500.00
17	SP-3	Geotextile Separator Fabric	5,361	SqYd	$1.50	$8,041.50
18	SP-01 55 26	Traffic Control	1	L.S.	$4,000.00	$4,000.00
19	Plans	Remove and Stockpile Existing Gravel Surfacing	5,361	SqYd	$1.25	$6,701.25
20	Plans	Remove, Salvage, and Reset 10' Chain Link Fence	161	Ft	$61.00	$9,821.00
21	Plans	Remove, Salvage, and Reset 10' Wildlife Fence	120	Ft	$57.00	$6,840.00
22	Plans	Adjust Electrical Manhole Elevation	2	Each	$750.00	$1,500.00
23	Plans	Lower Electrical Conduit/Wire	1	L.S.	$1,500.00	$1,500.00
24	Plans	Electric Gate Operator, Complete	1	L.S.	$20,000.00	$20,000.00
25	Plans	High Flow Silt Fence	100	Ft	$6.50	$650.00
		Construction Total				**$280,114.25**
		Design Engineering				**$14,825.00**
		Bidding & Negotiations				**$3,570.00**
		Construction Administration				**$11,230.00**
		Construction Engineering				**$26,790.00**
		Estimated Asphalt Testing				**$5,000.00**
		Estimated Administration				**$23,470.75**
		Total Estimated Project Cost				**$365,000.00**



Registered Professional Engineer
REG. No. 11520
MICHAEL J. SCHMITT
SOUTH DAKOTA
7/19/16

No.	Revisions	By	App	Date

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS
221 Brown County Highway 19
P.O. Box 111,
Aberdeen, S.D. 57401
Phone: 605.225.1312,
Fax: 605.225.3189
Email: terryh@helmsassociates.com

Drawn By: CDH
Chk' By: VALUE
Proj. No: A-6324
Dwg. No: 03-PRF
Sheet No: 1 LAYOUT
Date: 6/7/16

PROJECT LAYOUT PLAN

WILDER FIELD
DESMET, SOUTH DAKOTA
PARKING LOT AND ACCESS ROAD IMPR.

Project Narrative

The access road and parking lot have gravel surfacing and are in need of paving. The manual gate located next to the Snow Removal Equipment Storage Building will be replaced with an electric gate and card reader. This access will allow quicker access for the users of the airport, specifically the air ambulance crew will not have to get out of their ambulance to gain access to the airfield.

FAITH MUNICIPAL AIRPORT
AIP 3-46-0076-007-2016
July 28, 2016
ANALYSIS OF PROBABLE COSTS BASED ON BIDS

NEW AVIATION FUEL SYSTEM

Spec. No.	Item	Qty.	Unit	Unit Price	Total
2074	1 Removal	1	L.S.	$ 7,409.25	$ 7,409.25
2220	2 Site Work	1	L.S.	$ 30,651.26	$ 30,651.26
SP-P-610	3 Concrete Work	1	L.S.	$ 31,286.40	$ 31,286.40
11145	4 Install 100LL Dispensing System and Accessories	1	L.S.	$ 55,118.72	$ 55,118.72
11145	5 Install Fuel Management System	1	Each	$ 31,081.82	$ 31,081.82
13215	6 Install 2,000 Gallon 100LL Above Ground Storage Tank	1	Each	$ 36,156.44	$ 36,156.44
Division 26	7 Fuel System Electrical Work	1	L.S.	$ 25,085.32	$ 25,085.32
SP-Gen.	8 Airside Traffic Control	1	L.S.	$ 2,276.64	$ 2,276.64
SP-Gen.	9 Mobilization	1	L.S.	$ 19,802.60	$ 19,802.60

Total Construction Cost: **$ 238,868.45**

OTHER COSTS:

Administration (Sponsor)	$ 2,949.58
Preliminary and Design Services	$ 37,823.67
Construction Observation, Administration, and Testing	$ 38,625.38
Closeout Report	$ 3,732.92
Total Other Costs:	**$ 83,131.55**
TOTAL ESTIMATED PROJECT COST	**$ 322,000.00**
FAA Share (90%)	**$ 289,800.00**
State Share (5%)	**$ 16,100.00**
Local Share (5%)	**$ 16,100.00**

1	Removals	1	L.S.	$ 10,000.00	$ 10,000.00	$ 7,409.25	$ 7,409.25	$ 7,000.00	$ 7,000.00	$ 8,500.00	$ 8,500.00
2	Site Work	1	L.S.	20,000.00	20,000.00	30,651.26	30,651.26	24,000.00	24,000.00	25,949.00	25,949.00
3	Concrete Work	1	L.S.	20,000.00	20,000.00	31,286.40	31,286.40	40,750.00	40,750.00	23,625.00	23,625.00
4	Install 100LL Dispensing System and Accessories	1	L.S.	55,000.00	55,000.00	55,118.72	55,118.72	56,000.00	56,000.00	63,440.00	63,440.00
5	Install Fuel Management System	1	L.S.	25,000.00	25,000.00	31,081.82	31,081.82	34,000.00	34,000.00	43,920.00	43,920.00
6	Install 2,000 Gallon 100LL Above Ground Storage Tank	1	L.S.	30,000.00	30,000.00	36,156.44	36,156.44	28,000.00	28,000.00	37,820.00	37,820.00
7	Fuel System Electrical Work	1	L.S.	25,000.00	25,000.00	25,085.32	25,085.32	42,000.00	42,000.00	37,118.50	37,118.50
8	Airside Traffic Control	1	L.S.	2,000.00	2,000.00	2,276.64	2,276.64	5,000.00	5,000.00	3,125.00	3,125.00
9	Mobilization	1	L.S.	15,000.00	15,000.00	19,802.60	19,802.60	33,000.00	33,000.00	31,950.00	31,950.00
	Total Bid - Base Bid - Schedule 1			$	202,000.00	$	238,868.45	$	269,750.00	$	275,447.50

SUMMARY OF BIDS

Total Bid - Base Bid - Schedule 1	$ 202,000.00	$ 238,868.45	$ 269,750.00	$ 275,447.50

Shane Steiner
Project Manager's Signature

7-21-16
Date

True tabulations of bids received on: July 20, 2016

Number of bids received: 3

Bids rejected: 0

Project Cost Breakdown

FLANDREAU MUNICIPAL AIRPORT

ALP UPDATE WITH GIS SURVEY AND NARRATIVE REPORT

ALP UPDATE WITH GIS SURVEY	$164,840.00
ADMINISTRATIVE COSTS	$ 5,160.00
TOTAL PROJECT COST	$170,000.00

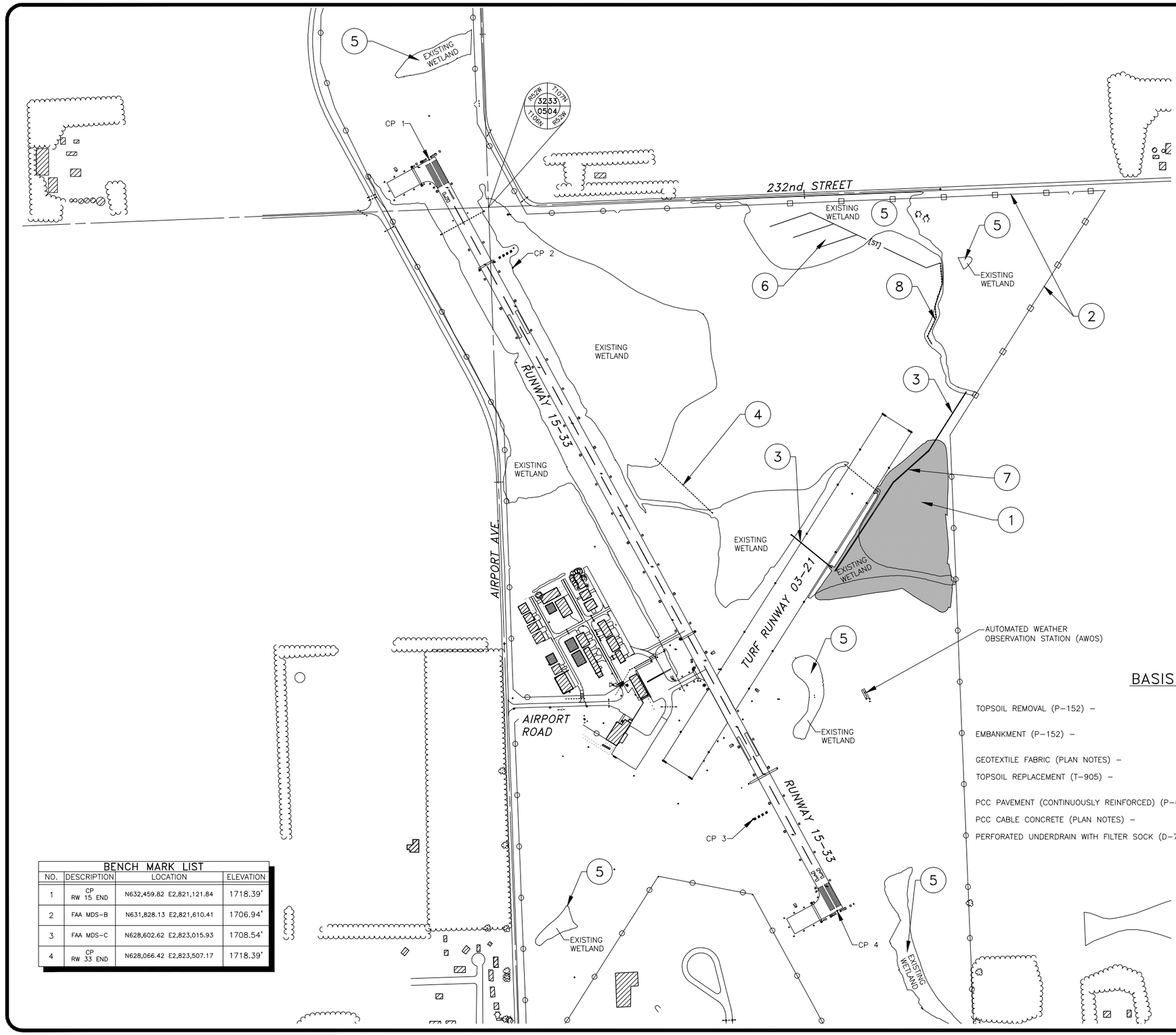
Project Narrative

Due to the rising costs of land in the area, the City, along with the SD-DOT Office of Aeronautics and the FAA, have determined that the future conditions shown on the previously completed ALP are cost prohibitive. An updated ALP is needed to depict new future and ultimate conditions.

Madison Municipal Airport
Madison, South Dakota
FAA AIP 3-46-0029-013-2016

Madison Municipal Airport
Summary of Project Costs

Description		Project Costs
Administration	$	1,000.00
Purchase Wetland Credits (Approximately 37.01 Credits)	$	419,000.00
Construct Detention Pond, Drainage Improvement & Revise Fencing	$	678,749.35
Construction Engineering Services	$	90,691.00
Closeout Report	$	4,513.00
Construction Testing	$	3,725.00
Total Estimated Project Costs	**$**	**1,197,678.35**
Federal Funding =	**$**	**1,077,910.00**
State Share =	**$**	**59,883.00**
Sponsor Share =	**$**	**59,885.35**



PROJECT WORK DESCRIPTION

1. CONSTRUCT STORM WATER DETENTION POND.
2. CONSTRUCT NEW WILDLIFE FENCE WITH ACCESS GATE, CONNECT TO EXISTING FENCE
3. INSTALL NEW CULVERTS
4. REMOVE & REPLACE DRAIN TILE
5. FILL AND GRADE WETLAND AREAS
6. INSTALL UNDERDRAIN
7. INSTALL CONCRETE CHANNEL
8. DITCH CLEANING

BASIS OF ESTIMATE

TOPSOIL REMOVAL (P-152) –	STRIP ±12" OVER ALL EXCAVATION AREAS SHOWN ON PLANS. (INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT)
EMBANKMENT (P-152) –	40% ADDITIONAL VOLUME HAS BEEN ADDED FOR SHRINKAGE IN DETENTION POND EMBANKMENT
GEOTEXTILE FABRIC (PLAN NOTES) –	ACTUAL S.Y., NO OVERLAP INCLUDED
TOPSOIL REPLACEMENT (T-905) –	MEASURED IN STOCKPILES BY AVERAGE END AREAS OR PRISMOIDAL METHOD (PAID FOR AS TOPSOILING)
PCC PAVEMENT (CONTINUOUSLY REINFORCED) (P-610) –	S.Y. IN PLACE
PCC CABLE CONCRETE (PLAN NOTES) –	S.F. IN PLACE
PERFORATED UNDERDRAIN WITH FILTER SOCK (D-705) –	L.F.

BENCH MARK LIST

NO.	DESCRIPTION	LOCATION	ELEVATION
1	CP RW 15 END	N632,459.82 E2,821,121.84	1718.39'
2	FAA MDS-B	N631,828.13 E2,821,610.41	1706.94'
3	FAA MDS-C	N628,602.62 E2,823,015.93	1708.54'
4	CP RW 33 END	N628,066.42 E2,823,507.17	1718.39'

This document was originally issued and sealed by Bryan James Jacobson, PE-12225, on 07/20/2016 and the original documents are stored at KLJ Fargo, ND. This media should not be considered a certified document.

KLJ

MADISON MUNICIPAL AIRPORT
CITY OF MADISON
MADISON, SOUTH DAKOTA

PROJECT WORK DESCRIPTION

DRAFTED J.A.B.
REVIEWED BJJ
PROJECT NUMBER 14515114
LAST REVISED DATE 07/19/2016
SHEET 1

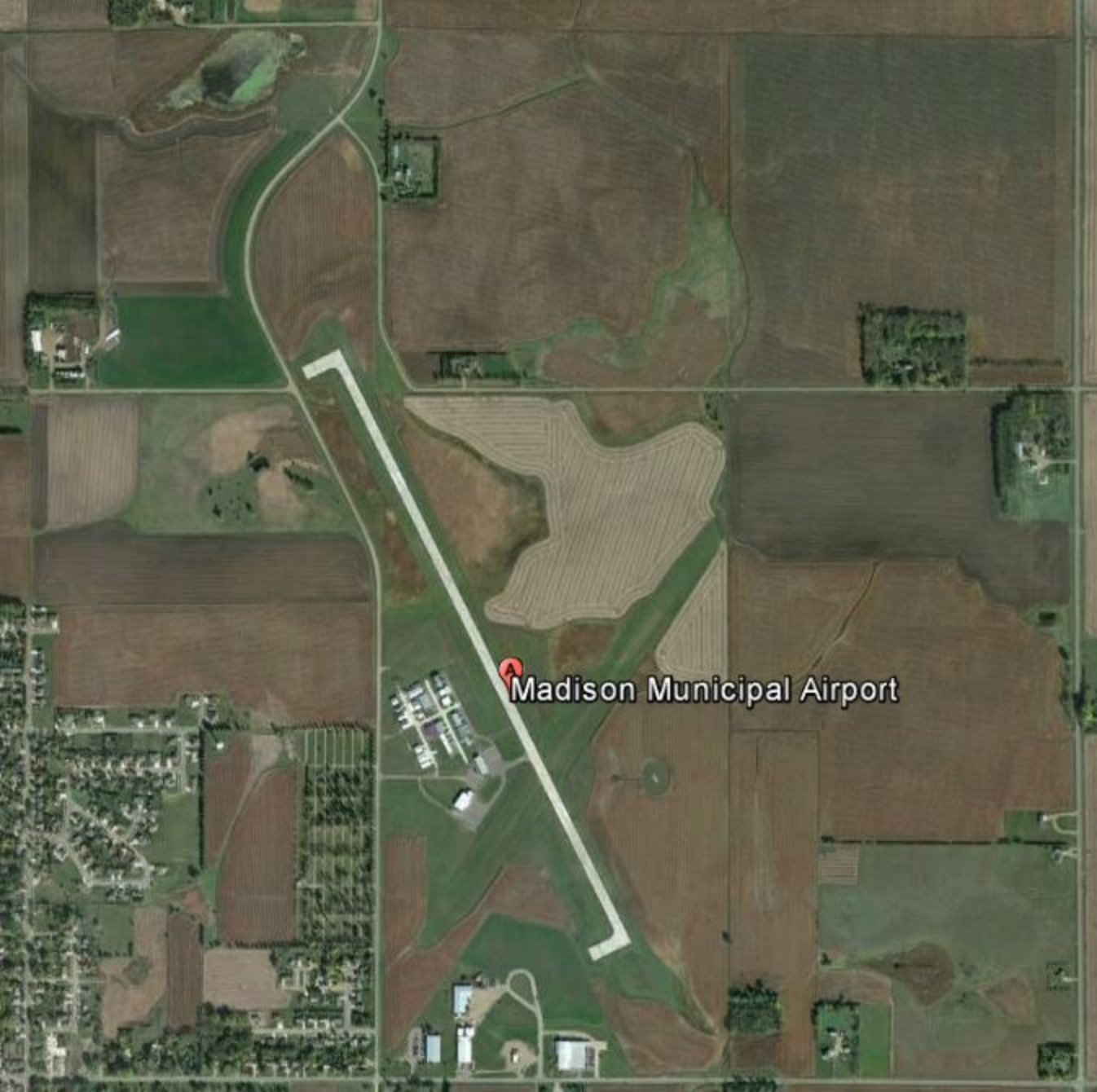
Jul 19, 2016 – 3:22pm – P:\Airport\SD\Madison\Projects\14515114\CADD\Plan\14515114_pwd.dwg (apt_pwd)

© KLJ 2016

Madison Municipal Airport – Madison, SD

Wetland Mitigation, Construct Detention Pond, Drainage Improvements & Revise Fencing:

The City of Madison is requesting financial assistance for wetland mitigation and construction of a detention pond, drainage improvements and revise fencing. The wetland mitigation is a continuation of the work for the parallel taxiway project. This project will remove wetlands on the airport, and construct detention areas determined from the environmental assessment. This project shall be a single phase with a cost of $1,197,679. This is not a LOI project.


Madison Municipal Airport

BID TABULATION

Madison Municipal Airport

Construct Drainage Improvements, Detention Pond and Revise Wildlife Fencing

AIP #3-46-0029-013-2016 KLJ #14515114

Item	Description	Qty.	Unit	Engineer's Opinion of Construction Cost		Runge Enterprises, Inc. Sioux Falls, SD		Hulstein Excavating, Inc. Edgerton, MN		Bowes Construction, Inc. Brookings, SD		RS Halstead Corp Harrisburg, SD		Midwest Contracting, LLC Marshall, MN		Rounds Construction Company, Inc. Brookings, SD		Midland Contracting, Inc. Huron, SD		Soukup Construction, Inc. Sioux Falls, SD	
				Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Schedule 1 Base Bid																					
1	Mobilization	1	L.S.	$ 68,000.00	$ 68,000.00	$ 64,251.81	$ 64,251.81	$ 53,000.00	$ 53,000.00	$ 15,000.00	$ 15,000.00	$ 117,200.00	$ 117,200.00	$ 25,000.00	$ 25,000.00	$ 60,000.00	$ 60,000.00	$ 96,650.00	$ 96,650.00	$ 103,706.74	$ 103,706.74
2	Airside Traffic Control	1	L.S.	8,000.00	8,000.00	17,482.78	17,482.78	19,350.00	19,350.00	20,000.00	$ 20,000.00	19,000.00	$ 19,000.00	15,000.00	$ 15,000.00	35,000.00	$ 35,000.00	17,000.00	17,000.00	21,975.00	$ 21,975.00
3	Remove and Salvage Existing 10' Wildlife Fence	2,683	L.F.	4.00	10,732.00	2.30	6,170.90	2.60	6,975.80	2.42	$ 6,492.86	2.35	$ 6,305.05	2.50	$ 6,707.50	2.34	$ 6,278.22	2.24	6,009.92	2.24	$ 6,009.92
4	Remove and Dispose of Existing Barbed Wire Fence	1,191	L.F.	2.00	2,382.00	2.77	3,299.07	3.15	3,751.65	2.90	$ 3,453.90	2.82	$ 3,358.62	2.50	$ 2,977.50	2.82	$ 3,358.62	2.69	3,203.79	2.69	$ 3,203.79
5	Clearing and Grubbing	1	L.S.	7,000.00	7,000.00	2,495.88	2,495.88	1,000.00	1,000.00	5,000.00	$ 5,000.00	5,000.00	$ 5,000.00	15,000.00	$ 15,000.00	1,500.00	$ 1,500.00	10,000.00	10,000.00	5,000.00	$ 5,000.00
6	12-Inch HDPE	451	L.F.	30.00	13,530.00	22.36	10,084.36	13.50	6,088.50	27.00	$ 12,177.00	22.00	$ 9,922.00	19.00	$ 8,569.00	30.00	$ 13,530.00	34.75	15,672.25	33.77	$ 15,230.27
7	12" RCES with Trash Rack and Connection	2	Each	1,500.00	3,000.00	760.37	1,520.74	1,115.00	2,230.00	650.00	$ 1,300.00	1,300.00	$ 2,600.00	645.00	$ 1,290.00	661.00	$ 1,322.00	1,184.61	2,369.22	765.00	$ 1,530.00
8	24-Inch Reinforced Concrete Pipe, CL. 3	294	L.F.	75.00	22,050.00	37.92	11,148.48	43.15	12,686.10	28.00	$ 8,232.00	45.00	$ 13,230.00	44.00	$ 12,936.00	69.00	$ 20,286.00	56.26	16,540.44	46.55	$ 13,685.70
9	24" RCES with Trash Rack	2	Each	1,300.00	2,600.00	1,623.30	3,246.60	1,166.50	2,333.00	1,000.00	$ 2,000.00	1,740.00	$ 3,480.00	825.00	$ 1,650.00	900.00	$ 1,800.00	1,618.58	3,237.16	764.00	$ 1,528.00
10	27-Inch Reinforced Concrete Pipe, CL. 3	398	L.F.	85.00	33,830.00	47.80	19,024.40	55.80	22,208.40	39.00	$ 15,522.00	59.00	$ 23,482.00	53.00	$ 21,094.00	61.00	$ 24,278.00	68.90	27,422.20	64.60	$ 25,710.80
11	27" RCES with Trash Rack	2	Each	1,400.00	2,800.00	2,554.29	5,108.58	1,429.35	2,858.70	1,200.00	$ 2,400.00	2,600.00	$ 5,200.00	1,025.00	$ 2,050.00	1,000.00	$ 2,000.00	2,171.70	4,343.40	2,757.00	$ 5,514.00
12	6-Inch Perforated Drain Pipe with Filter Sock	1,650	L.F.	7.00	11,550.00	9.51	15,691.50	10.15	16,747.50	13.00	$ 21,450.00	27.00	$ 44,550.00	24.65	$ 40,672.50	15.00	$ 24,750.00	13.50	22,275.00	14.50	$ 23,925.00
13	6-Inch PVC Outlet Line and Headwall	1	Each	1,500.00	1,500.00	438.26	438.26	876.65	876.65	600.00	$ 600.00	500.00	$ 500.00	415.00	$ 415.00	600.00	$ 600.00	503.00	503.00	4,074.00	$ 4,074.00
14	Remove and Dispose of 12" Drain Tile	463	L.F.	5.00	2,315.00	10.52	4,870.76	1.10	509.30	5.00	$ 2,315.00	5.00	$ 2,315.00	6.00	$ 2,778.00	8.00	$ 3,704.00	11.16	5,167.08	13.98	$ 6,472.74
15	Remove and Dispose of 18" RCP	17	L.F.	20.00	340.00	22.08	375.36	2.20	37.40	15.00	$ 255.00	20.00	$ 340.00	8.00	$ 136.00	10.00	$ 170.00	16.57	281.69	43.24	$ 735.08
16	Install Salvaged 8" Wildlife Fence with High Tensile Wire Top	2,683	L.F.	12.00	32,196.00	11.31	30,344.73	12.65	33,939.95	12.00	$ 32,196.00	12.00	$ 32,196.00	11.00	$ 29,513.00	11.51	$ 30,881.33	10.98	29,459.34	10.98	$ 29,459.34
17	Install New 8" Wildlife Fence with High Wire Tensile Top	1,162	L.F.	18.00	20,916.00	18.58	21,589.96	20.80	24,169.60	20.00	$ 23,240.00	19.00	$ 22,078.00	18.00	$ 20,916.00	18.90	$ 21,961.80	18.04	20,962.48	18.04	$ 20,962.48
18	Install New 36'x8' Double Swing Gate with High Tensile Wire Top	1	Each	5,000.00	5,000.00	3,938.82	3,938.82	4,400.00	4,400.00	4,200.00	$ 4,200.00	4,000.00	$ 4,000.00	3,700.00	$ 3,700.00	4,000.00	$ 4,000.00	3,825.00	3,825.00	3,825.00	$ 3,825.00
19	Unclassified Excavation	48,067	C.Y.	3.00	144,201.00	1.90	91,327.30	3.35	161,024.45	1.92	$ 92,288.64	2.35	$ 112,957.45	2.75	$ 132,184.25	3.00	$ 144,201.00	2.65	127,377.55	2.20	$ 105,747.40
20	Unclassified Excavation (Stockpile On-Site)	25,000	C.Y.	4.00	100,000.00	3.36	84,000.00	3.35	83,750.00	3.75	$ 93,750.00	3.25	$ 81,250.00	4.05	$ 101,250.00	4.00	$ 100,000.00	4.25	106,250.00	5.35	$ 133,750.00
21	Unclassified Excavation (Waste Off-Site)	43,157	C.Y.	4.25	183,417.25	3.36	145,007.52	4.20	181,259.40	4.60	$ 198,522.20	4.00	$ 172,628.00	4.75	$ 204,995.75	4.50	$ 194,206.50	5.25	226,574.25	5.94	$ 256,352.58
22	Ditch Cleaning	500	L.F.	6.00	3,000.00	9.95	4,975.00	4.85	2,425.00	5.00	$ 2,500.00	6.00	$ 3,000.00	14.00	$ 7,000.00	7.00	$ 3,500.00	15.00	7,500.00	13.50	$ 6,750.00
23	Biorolls	2,612	L.F.	5.00	13,060.00	3.79	9,899.48	4.20	10,970.40	12.00	$ 31,344.00	3.50	$ 9,142.00	3.50	$ 9,142.00	3.85	$ 10,056.20	3.75	9,795.00	3.68	$ 9,612.16
24	Rip Rap Fabric	650	S.Y.	5.00	3,250.00	2.86	1,859.00	4.70	3,055.00	3.50	$ 2,275.00	4.00	$ 2,600.00	3.00	$ 1,950.00	3.00	$ 1,950.00	4.50	2,925.00	3.00	$ 1,950.00
25	Rip Rap (Class A) - 2' Depth	433	S.Y.	40.00	17,320.00	31.64	13,700.12	34.50	14,938.50	35.00	$ 15,155.00	40.00	$ 17,320.00	41.00	$ 17,753.00	52.00	$ 22,516.00	53.00	22,949.00	41.00	$ 17,753.00
26	Cable Concrete (CC45)	1,377	S.F.	15.00	20,655.00	15.73	21,660.21	18.75	25,818.75	16.00	$ 22,032.00	15.00	$ 20,655.00	17.00	$ 23,409.00	18.20	$ 25,061.40	20.17	27,774.09	18.50	$ 25,474.50

BID TABULATION

Madison Municipal Airport

Construct Drainage Improvements, Detention Pond and Revise Wildlife Fencing

AIP #3-46-0029-013-2016 KLJ #14515114

				Engineer's Opinion of Construction Cost		Runge Enterprises, Inc. Sioux Falls, SD		Hulstein Excavating, Inc. Edgerton, MN		Bowes Construction, Inc. Brookings, SD		RS Halstead Corp Harrisburg, SD		Midwest Contracting, LLC Marshall, MN		Rounds Construction Company, Inc. Brookings, SD		Midland Contracting, Inc. Huron, SD		Soukup Construction, Inc. Sioux Falls, SD	
Item	Description	Qty.	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
27	Temporary Erosion Control Mat	378	S.Y.	10.00	3,780.00	2.16	816.48	2.40	907.20	12.00	$ 4,536.00	2.00	$ 756.00	2.00	$ 756.00	3.30	$ 1,247.40	2.10	793.80	3.15	$ 1,190.70
28	5" Concrete (Continuously Reinforced)	600	S.Y.	45.00	27,000.00	80.52	48,312.00	66.00	39,600.00	112.00	$ 67,200.00	85.00	$ 51,000.00	120.00	$ 72,000.00	107.00	$ 64,200.00	123.00	73,800.00	74.45	$ 44,670.00
29	Seeding	10.8	Acre	1,200.00	12,960.00	648.90	7,008.12	720.00	7,776.00	1,701.00	$ 18,370.80	600.00	$ 6,480.00	600.00	$ 6,480.00	560.00	$ 6,048.00	630.00	6,804.00	525.00	$ 5,670.00
30	Seeding (Alfalfa)	22.1	Acre	500.00	11,050.00	432.60	9,560.46	480.00	10,608.00	3,000.00	$ 66,300.00	400.00	$ 8,840.00	400.00	$ 8,840.00	460.00	$ 10,166.00	420.00	9,282.00	420.00	$ 9,282.00
31	Topsoiling (On-Site)	10,721	C.Y.	2.50	26,802.50	1.00	10,721.00	2.00	21,442.00	1.50	$ 16,081.50	1.50	$ 16,081.50	2.00	$ 21,442.00	1.70	$ 18,225.70	1.95	20,905.95	2.80	$ 30,018.80
32	Mulching - Hydromulch	3.5	Acre	1,500.00	5,250.00	1,730.40	6,056.40	1,920.00	6,720.00	2,270.00	$ 7,945.00	1,600.00	$ 5,600.00	1,600.00	$ 5,600.00	2,016.00	$ 7,056.00	1,680.00	5,880.00	1,890.00	$ 6,615.00
33	Mulching - Straw Mulch	7.3	Acre	500.00	3,650.00	378.53	2,763.27	420.00	3,066.00	1,150.00	$ 8,395.00	350.00	$ 2,555.00	350.00	$ 2,555.00	460.00	$ 3,358.00	367.00	2,679.10	420.00	$ 3,066.00
	Total Bid - Schedule 1 Base Bid			**$**	**823,136.75**	**$**	**678,749.35**	**$**	**786,523.25**	**$**	**822,528.90**	**$**	**825,621.62**	**$**	**825,761.50**	**$**	**867,212.17**	**$**	**936,211.71**	**$**	**950,450.00**
Alternate 1 Base Bid																					
1	Unclassified Excavation	68,330	C.Y.	3.00	$ 204,990.00	2.34	$ 159,892.20	3.35	$ 228,905.50	1.70	$ 116,161.00	2.60	$ 177,658.00	2.25	$ 153,742.50	3.00	$ 204,990.00	3.25	$ 222,072.50	3.15	$ 215,239.50
2	Seeding (Alfalfa)	5.7	Acre	500.00	2,850.00	432.60	2,465.82	480.00	2,736.00	2,835.00	$ 16,159.50	400.00	$ 2,280.00	400.00	$ 2,280.00	460.00	$ 2,622.00	420.00	$ 2,394.00	420.00	$ 2,394.00
3	Topsoiling (On-Site)	20,173	C.Y.	2.50	50,432.50	1.00	20,173.00	2.00	40,346.00	1.50	$ 30,259.50	1.50	$ 30,259.50	1.60	$ 32,276.80	1.50	$ 30,259.50	1.95	$ 39,337.35	2.80	$ 56,484.40
4	Biorolls	208	L.F.	5.00	1,040.00	3.79	788.32	4.20	873.60	12.00	$ 2,496.00	3.50	$ 728.00	3.50	$ 728.00	3.85	$ 800.80	3.75	$ 780.00	3.68	$ 765.44
	Total Bid -Alternate 1 Base Bid			**$**	**259,312.50**	**$**	**183,319.34**	**$**	**272,861.10**	**$**	**165,076.00**	**$**	**210,925.50**	**$**	**189,027.30**	**$**	**238,672.30**	**$**	**264,583.85**	**$**	**274,883.34**

SUMMARY OF BIDS

TOTAL BID -SCHEDULE 1 BASE BID				$	823,136.75	$	678,749.35	$	786,523.25	$	822,528.90	$	825,621.62	$	825,761.50	$	867,212.17	$	936,211.71	$	950,450.00
TOTAL BID - ALTERNATE 1 BASE BID				$	259,312.50	$	183,319.34	$	272,861.10	$	165,076.00	$	210,925.50	$	189,027.30	$	238,672.30	$	264,583.85	$	274,883.34

Project Manager's Signature

Date

True tabulations of bids received on: August 8, 2016

Number of bids received: 8

Bids rejected: 0

Corrections made due to mathematical errors in calculating costs.

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS

221 Brown County Hwy 19
P.O. Box 111
Aberdeen, SD 57402
Phone: (605) 225-1212 Fax: (605) 225-3189
Email: operations@helmsengineering.com

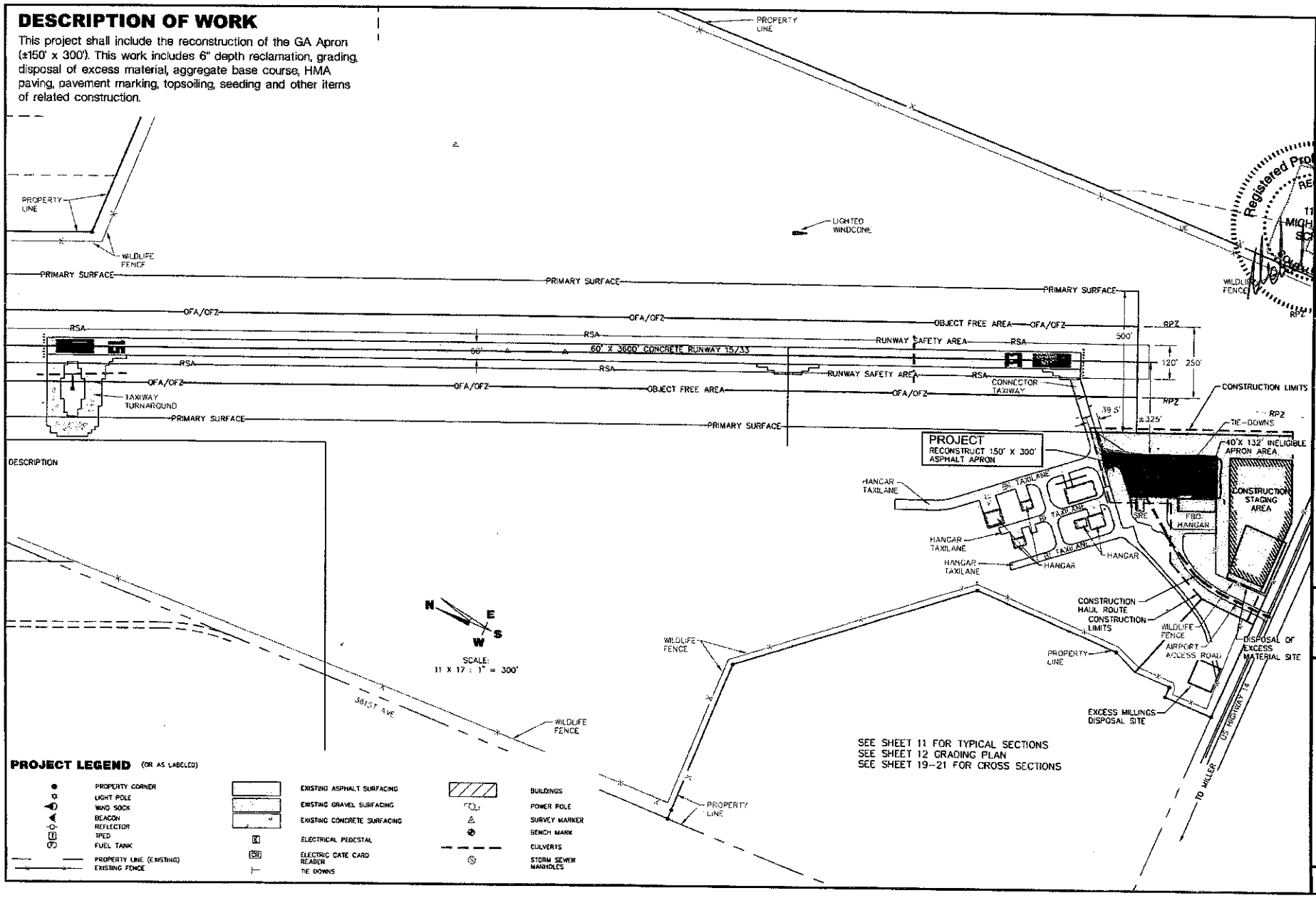
Apron Improvements
Miller Municipal Airport
Miller, South Dakota
AIP #3-46-0035-009-2016
Helms # A-6361
Revised Engineer's Estimate
August, 2016

Base Bid

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Cost
1	GP-105	Mobilization	1	L.S.	$60,500.00	$60,500.00
2	GP-50	Construction Staking	1	L.S.	$6,500.00	$6,500.00
3	S-100	Construction Safety Phasing Plan	1	L.S.	$7,500.00	$7,500.00
4	P-152	Unclassified Excavation	2,024	CuYd	$7.00	$14,168.00
5	P-152	Disposal of Excess Material	791	CuYd	$3.00	$2,373.00
6	P-208 (MOD)	Aggregate Base Course	1,763.0	Tons	$20.00	$35,260.00
7	P-403	Bituminous Base/Surface Course	922.0	Tons	$157.00	$144,754.00
8	P-602	Bituminous Prime Coat	7.2	Tons	$1,430.00	$10,296.00
9	P-603	Bituminous Tack Coat	2.7	Tons	$1,100.00	$2,970.00
10	P-620	Pavement Marking	1	L.S.	$5,720.00	$5,720.00
11	T-901	Seeding and Fertilizing	2.0	Acre	$1,100.00	$2,200.00
12	T-905	Topsoiling	115	CuYd	$15.00	$1,725.00
13	TL-100	Field Laboratory, Type I	1	Each	$6,500.00	$6,500.00
14	SP-1	Full Depth Reclamation (6" Nominal Depth)	5,474	SqYd	$4.00	$21,896.00
15	SP-1	Remove and Relay Blended Material (6" Nominal Depth)	5,289	SqYd	$3.75	$19,833.75
16	SP-3	Geotextile Separator Fabric	5,289	SqYd	$3.00	$15,867.00
17	Plans	Remove and Dispose of Concrete Aircraft Tie Down	3	Set	$500.00	$1,500.00
18	Plans	Remove and Salvage Taxiway Reflector	7	Each	$500.00	$3,500.00
19	Plans	Full Depth Sawcutting	222	Ft	$6.50	$1,443.00
20	Plans	Install Salvaged Taxiway Reflector	7	Each	$500.00	$3,500.00
21	Plans	Aircraft Tie Downs	3	Set	$1,320.00	$3,960.00
22	Plans	High Flow Silt Fence	200	Ft	$5.50	$1,100.00
		Construction Total				**$373,065.75**
		Design Engineering				**$16,680.00**
		Bidding & Negotiations				**$3,570.00**
		Construction Administration				**$11,130.00**
		Construction Engineering				**$37,485.00**
		Estimated Asphalt Testing				**$5,000.00**
		Estimated Administration				**$8,069.25**
		Total Estimated Project Cost				**$455,000.00**

DESCRIPTION OF WORK

This project shall include the reconstruction of the GA Apron (±150' x 300'). This work includes 6" depth reclamation, grading, disposal of excess material, aggregate base course, HMA paving, pavement marking, topsoiling, seeding and other items of related construction.



DESCRIPTION

PROJECT LEGEND (OR AS LABELED)

- PROPERTY CORNER
- LIGHT POLE
- WIND SOCK
- BEACON
- REFLECTOR
- TPED
- FUEL TANK
- PROPERTY LINE (EXISTING)
- EXISTING FENCE
- EXISTING ASPHALT SURFACING
- EXISTING GRAVEL SURFACING
- EXISTING CONCRETE SURFACING
- ELECTRICAL PEDESTAL
- ELECTRIC GATE CARD READER
- TIE DOWNS
- BUILDINGS
- POWER POLE
- SURVEY MARKER
- BENCH MARK
- CULVERTS
- STORM SEWER MANHOLES

Registered Professional Engineer
REG. No. 11520
MICHAEL SCHMITT
SOUTH DAKOTA
7/19/16

By	Date	Description

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS
231 Brown County Courthouse, Suite 19
P.O. Box 1111
Aberdeen, S.D. 57401
Phone: 605.225.1132,
Fax: 605.225.3159
Email: terry@helmsengineering.com

Drawn By: VALUE
Chk' By: VALUE
Proj. No: A-3361
Dwg. No: 3361-01
VE. No: 3361-01
Date: 3/2016

PROJECT LAYOUT PLAN

APRON IMPROVEMENTS
MILLER MUNICIPAL AIRPORT
MILLER, SOUTH DAKOTA

Project Narrative

The apron was constructed in 1995 consisting of 10" of P-208 and 2" P-401. The PCI in 2012 was 42 and 31 in 2015. The Apron has longitudinal and transverse cracking along with alligator cracking. The pavement is beyond its useful life and needs rehabilitation. A mill and overlay of the pavement will be the most cost effective process to extend the life of the apron.

The purchase of approximately 2.8 acres will allow for the expansion of hangar area. The Exhibit A will be updated as well, due to the land acquisition.

APRON IMPROVEMENTS
MILLER MUNICIPAL AIRPORT
MILLER, SOUTH DAKOTA
AIP #3-46-0035-009-2016
A-6361
BID TABULATION
8/1/2016

Base Bid

Item #	Spec #	Item Description	Quantity	Unit	Midland Contracting, Inc. Huron, SD Unit Price	Total Price
1	GP-105	Mobilization	1	L.S.	$60,500.00	$60,500.00
2	GP-50	Construction Staking	1	L.S.	$6,500.00	$6,500.00
3	S-100	Construction Safety Phasing Plan	1	L.S.	$7,500.00	$7,500.00
4	P-152	Unclassified Excavation	2,268	CuYd	$7.00	$15,876.00
5	P-152	Disposal of Excess Material	903	CuYd	$3.00	$2,709.00
6	P-208 (MOD)	Aggregate Base Course	1,959.0	Ton	$20.00	$39,180.00
7	P-403	Bituminous Base/Surface Course	1,025.0	Ton	$157.00	$160,925.00
8	P-602	Bituminous Prime Coat	8.0	Ton	$1,430.00	$11,440.00
9	P-603	Bituminous Tack Coat	3.0	Ton	$1,100.00	$3,300.00
10	P-620	Pavement Marking	1	L.S.	$5,720.00	$5,720.00
11	T-901	Seeding and Fertilizing	2.0	Acre	$1,100.00	$2,200.00
12	T-905	Topsoiling	115	CuYd	$15.00	$1,725.00
13	TL-100	Field Laboratory, Type I	1	Each	$6,500.00	$6,500.00
14	SP-1	Full Depth Reclamation (6" Nominal Depth)	6,061	SqYd	$4.00	$24,244.00
15	SP-1	Remove and Relay Blended Material (6" Nominal Depth)	5,876	SqYd	$3.75	$22,035.00
16	SP-3	Geotextile Separator Fabric	5,876	SqYd	$3.00	$17,628.00
17	Plans	Remove and Dispose of Concrete Aircraft Tie Down	3	Set	$500.00	$1,500.00
18	Plans	Remove and Salvage Taxiway Reflector	7	Each	$500.00	$3,500.00
19	Plans	Full Depth Sawcutting	222	Ft	$6.50	$1,443.00
20	Plans	Install Salvaged Taxiway Reflector	7	Each	$500.00	$3,500.00
21	Plans	Aircraft Tie Downs	3	Set	$1,320.00	$3,960.00
22	Plans	High Flow Silt Fence	200	Ft	$5.50	$1,100.00
Total Base Bid						**$402,985.00**

I HEREBY CERTIFY THAT THE FOREGOING IS AN ACCURATE REPRESENTATION AND TABULATION OF ALL BIDS RECEIVED AND THAT THE MATHEMATICS HAVE BEEN CHECKED AND IS TO THE BEST OF MY KNOWLEDGE CORRECT:

PROJECT ENGINEER: Michael A. Schmit DATE: 8-1-2016

PIERRE REGIONAL AIRPORT 037-2016 GRANT
COST SUMMARY

Consulting Services

Airport Master Plan and Airport Layout Plan.....	$ 522,280.61
Aeronautical Survey.....	$ 235,065.21
Wildlife Hazard Assessment and Management Plan.....	$ 57,200.00
Exhibit A Title Research.....	$ 1,250.00

Administration

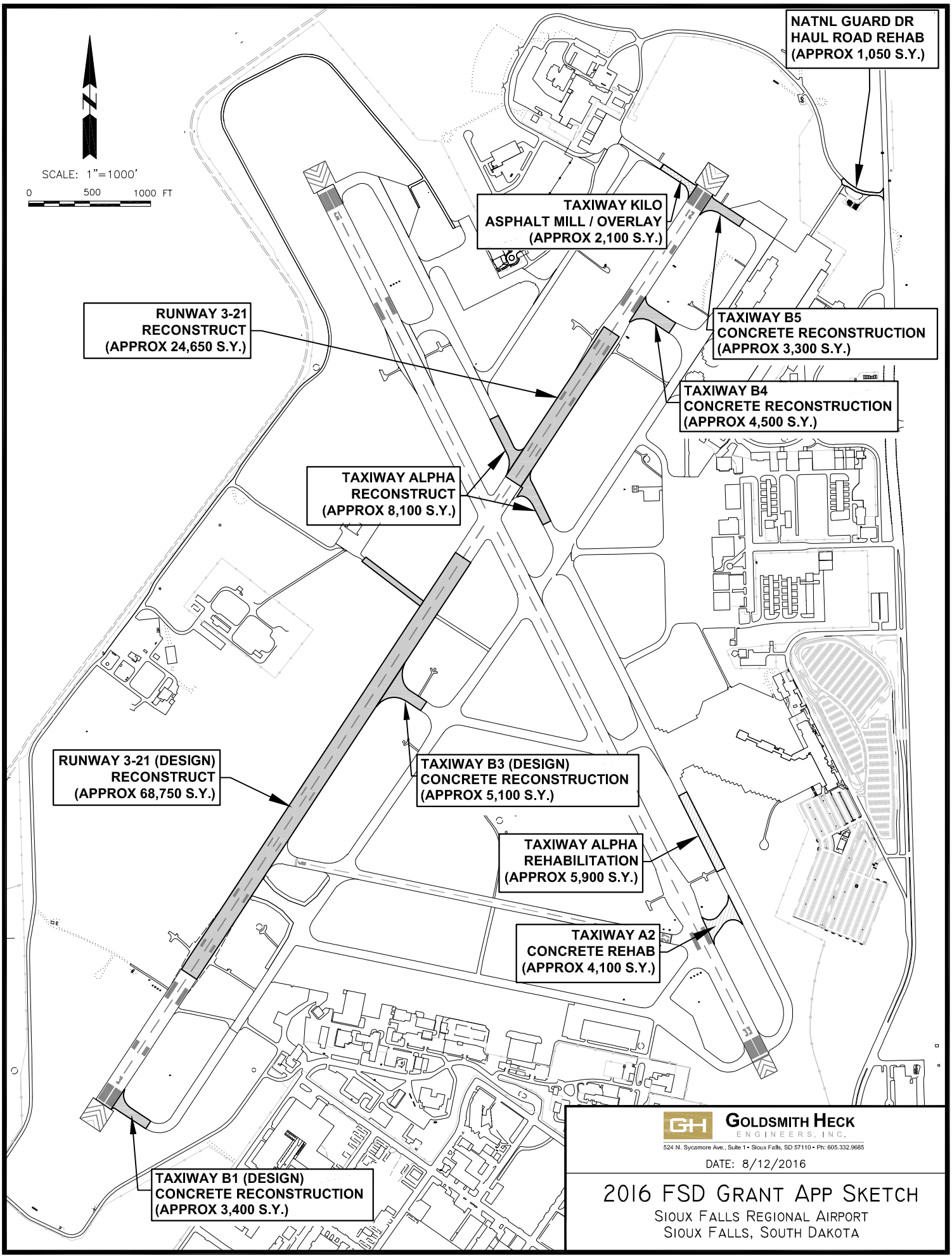
Administration, Legal, Fee Review Advertising, etc.	$ 11,981.96

TOTAL	**$ 827,777.78**

Sioux Falls Regional Airport
Summary of Project Costs and Funding
AIP 3-46-0050-050-2016

Project	Total Project Costs	SDANG funded Portion	Grant Application: AIP Eligible Project Costs	Grant Application: Federal Amount
Engineering/Planning				
Prelim Design: Runway 3-21 & Taxiways A, B1, B3, B4, B5 & K Reconstruct/Rehab - TO#42	$ 98,670.00	$ -	$ 98,670.00	$ 88,803.00
Design: Runway 3-21 & Taxiways A, B1, B3, B4, B5 & K Reconstruct/Rehab - Phase 1 -TO#44	$ 335,664.00	$ 78,070.00	$ 257,594.00	$ 231,834.00
Design: Runway 3-21 & Taxiways A, B1, B3, B4, B5 & K Reconstruct/Rehab - Phase 2 -TO#44 - Amend 1	$ 126,106.00	$ 9,429.00	$ 116,677.00	$ 105,009.00
Design: Taxiways A & A2 Rehab (TO#43)	$ 49,788.50	$ -	$ 49,788.50	$ 44,809.00
Design: West GA Taxilane Extension ($49,788.50 to be reimbursed by 2018 AIP Entitlements) - TO#43	$ -	$ -	$ -	$ -
Construction Admin: Runway 3-21 & Taxiways A, B4, B5 & K Reconstruct/Rehab - Phase 1- TO#48	$ 490,855.00	$ 48,004.00	$ 442,851.00	$ 398,565.00
Construction Admin: Taxiways A & A2 Rehab (TO#47)	$ 73,850.00	$ -	$ 73,850.00	$ 66,465.00
Construction Admin: West GA Taxilane Extension ($49,913 to be reimbursed by 2018 AIP Entitlements) - TO#46	$ -	$ -	$ -	$ -
Total Engineering	**$1,174,933.50**	**$135,503.00**	**$1,039,430.50**	**$ 935,485.00**
Construction				
Runway 3-21 (N of RWY 15/33)& Taxiways A, B4, B5 & K Reconstruct/Rehab (SDANG funding 8.3% Sch 1 + Sch 3)	$ 7,584,545.00	$ 1,558,663.00	$ 6,025,882.00	$ 5,423,293.00
Taxiways A & A2 Rehab	$ 682,442.80	$ -	$ 682,442.80	$ 614,198.00
West GA Taxilane Extension ($377,134.65 to be reimbursed by 2018 AIP Entitlements)	$ -	$ -	$ -	$ -
Total Construction	**$ 8,266,987.80**	**$ 1,558,663.00**	**$ 6,708,324.80**	**$ 6,037,491.00**
Testing				
Runway 3-21 & Taxiways A, B4, B5 & K Reconstruct/Rehab - Phase 1 (Estimated)	$ 85,000.00	$ 10,000.00	$ 75,000.00	$ 67,500.00
Taxiways A & A2 Rehab (5795 x 62.5%)	$ 3,622.00	$ -	$ 3,622.00	$ 3,259.00
West GA Taxilane Extension ($2,173 to be reimbursed by 2018 AIP Entitlements)	$ -	$ -	$ -	$ -
Total Testing	**$ 88,622.00**	**$ 10,000.00**	**$ 78,622.00**	**$ 70,759.00**
Equipment				
None	$ -	$ -	$ -	$ -
Total Equipment	**$ -**	**$ -**	**$ -**	**$ -**
Administration				
Advertisement for Bids	$ 1,000.00	$ -	$ 1,000.00	$ 900.00
Legal	$ 1,500.00	$ -	$ 1,500.00	$ 1,350.00
FSD Administration Costs	$ 2,500.00	$ -	$ 2,500.00	$ 2,250.00
Total Administration	**$ 5,000.00**	**$ -**	**$ 5,000.00**	**$ 4,500.00**
Total Project Costs	**$ 9,535,543.30**	**$ 1,704,166.00**	**$ 7,831,377.30**	**$ 7,048,235.00**

Federal (90%)	**$ 7,048,235.00**
State Share (5%)	**$ 391,568.00**
Local Share (5%)	**$ 391,574.30**
	$ 7,831,377.30


SCALE: 1"=1000'
0 500 1000 FT
NATNL GUARD DR
HAUL ROAD REHAB
(APPROX 1,050 S.Y.)
TAXIWAY KILO
ASPHALT MILL / OVERLAY
(APPROX 2,100 S.Y.)
RUNWAY 3-21
RECONSTRUCT
(APPROX 24,650 S.Y.)
TAXIWAY B5
CONCRETE RECONSTRUCTION
(APPROX 3,300 S.Y.)
TAXIWAY B4
CONCRETE RECONSTRUCTION
(APPROX 4,500 S.Y.)
TAXIWAY ALPHA
RECONSTRUCT
(APPROX 8,100 S.Y.)
RUNWAY 3-21 (DESIGN)
RECONSTRUCT
(APPROX 68,750 S.Y.)
TAXIWAY B3 (DESIGN)
CONCRETE RECONSTRUCTION
(APPROX 5,100 S.Y.)
TAXIWAY ALPHA
REHABILITATION
(APPROX 5,900 S.Y.)
TAXIWAY A2
CONCRETE REHAB
(APPROX 4,100 S.Y.)
TAXIWAY B1 (DESIGN)
CONCRETE RECONSTRUCTION
(APPROX 3,400 S.Y.)
GOLDSMITH HECK
ENGINEERS, INC.
524 N. Sycamore Ave., Suite 1 • Sioux Falls, SD 57110 • Ph: 605.332.9685
DATE: 8/12/2016
2016 FSD GRANT APP SKETCH
SIOUX FALLS REGIONAL AIRPORT
SIOUX FALLS, SOUTH DAKOTA

Runway 3-21 Partial Reconstruction (5,570'); Taxiways A, B1, B3, B4, B5 Reconstruction & Taxiway K Rehabilitation within Runway 3-21 OFA
Design and Construction Phase

Sioux Falls Regional Airport

FAA AIP No. 3-46-0050-050-2016

Project Description

The project is the design, bidding and construction phase for reconstruction or rehabilitation of the following:

- Runway 3-21 – Reconstruct a segment of runway 1,450'x 150' north of cross-wind Runway 15-33 and Reconstruct a segment of runway 4,100' x 150' south of Runway 15-33.
- Reconstruct Taxiway A (approximately 800' x 75') within the Runway 3-21 OFA
- Reconstruct Taxiway B1 (approximately 350' x 75' plus paved shoulders) within the Runway 3-21 OFA
- Reconstruct Taxiway B3 (approximately 350' x 100' plus paved shoulders) within Runway 3-21 OFA
- Reconstruct Taxiway B4 (approximately 350' x 100' plus paved shoulders) within the Runway 3-21 OFA
- Reconstruct Taxiway B5 (approximately 350' x 75' plus paved shoulders) within the Runway 3-21 OFA
- Rehabilitate Taxiway K (approximately 350' x 50') within the Runway 3-21 OFA

The project also includes: installation of runway centerline and touchdown zone lighting; installation of Runway 3-21 & taxiway pavement markings; taxiway edge lights and signs; improvements to the airfield drainage along Runway 3-21 including installation of edge drains that will connect to the existing storm sewer.

Project Justification

The sections of the runway listed above were constructed in 1976. Since that time, there have been three known rehabilitation projects. 2015 PCI's for the both the north and south sections of the runway are all in the mid 60s.

Taxiway B1 was originally constructed in 11" PCC pavement in 1962 with a 6" concrete overlay in 1976 and has a 2015 PCI value of 55.

Taxiway B3 was originally constructed in 1976 with 14" PCC pavement and has a 2015 PCI value of 87.

Taxiway B4 pavement consist of asphalt pavement approximately 14" thick with original construction dates ranging between 1952 and 1997 and has a 2015 PCI value ranging between 79 and 84.

Taxiway B5 consists of both concrete and asphalt pavements with original construction dates ranging from 1962 and 1997. 2015 PCI values are 62 for the concrete section and 73 for the asphalt section.

Taxiway A pavement between Taxiways B and L were originally constructed in 1975 with several overlays since then. 2015 PCI values range between 72 and 94.

Taxiway K asphalt pavement between Runway 3-21 and Taxiway L has a 2015 PCI value of 68.

The proposed reconstruction/rehabilitation of these connector taxiway pavements should be performed with the runway reconstruction project to complete construction within the runway OFA even though not all of the connectors have reached their minimum PCI service value.

Project Cost

Project costs are estimated as follows:

Phase 1 – Runway 3-21 N of 15-33, Taxiways B4 & B5	=	$ 7,234,400
Phase 2 – Runway 3-21 S of 15-33, Taxiway B1 & B3	=	$ 12,911,400
Total Construction	=	$ 20,145,800
Engineering, Construction Admin & Testing (10%)	=	$ 2,014,580
Total Project Cost	=	$ 22,160,380

Project is anticipated to be constructed in two phases with the first phase bid in 2016 and constructed in 2017 and the second phase bid in 2017 and constructed in 2018. Funding is requested as follows:

2016 Grant Application (total cost)		
Engineering (All), Const Admin (Ph 1) & Testing (Ph 1)		$ 1,118,053
Construction Phase 1 + Twy A/A2 + Admin		$ 6,713,325
	2016 Grant Request Total =	$ 7,831,378
2017 Grant Application		
Const Admin (Ph 2) & Testing (Ph 2)		$ 774,580
Construction Phase 2		$ 12,911,400
	2017 Grant Request Total =	$ 13,685,980

Project Sketch

See attached.

Environmental Documentation

See Grant Pre-Application.

BID TABULATION

Sioux Falls Regional Airport

Partial Runway 3-21 Reconstruction, Taxiways A, B4, and B5 Partial Reconstruction, Taxiway K Rehabilitation, Runway 21 Arresting System Reconstruction, National Guard Drive Partial Reconstruction and Miscellaneous Items

AIP 3-46-0050-050-2016 KLJ 14516103

Bid Date: August 9, 2016

				Low Bidder T&R Contracting 5000 N. Gulby Ave. Sioux Falls, SD 57104		BX Civil & Construction 24663 475th Ave. Dell Rapids, SD 57022		D&G Concrete Construction 1408 E. 39th St. N. Sioux Falls, SD 57104		Reede Construction 5325 E. Hwy. 12 Aberdeen, SD 57401		Dakota Contracting Corporation 2208 W. 50th St. Sioux Falls, SD 57105		Engineer's Opinion of Construction Cost	
Item	Description	Qty.	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Schedule 1 - Runway 3-21, Taxiway B4, Taxiway B5 Partial Reconstruction, Rehabilitate Taxiway K															
1	Mobilization	1	L.S.	$ 750,000.00	$ 750,000.00	$ 915,000.00	$ 915,000.00	$ 1,023,347.00	$ 1,023,347.00	$ 1,400,000.00	$ 1,400,000.00	$ 2,433,000.00	$ 2,433,000.00	800,000.00	$ 800,000.00
2	Airside Traffic Control	1	L.S.	142,500.00	142,500.00	75,000.00	75,000.00	30,081.69	30,081.69	125,000.00	125,000.00	125,000.00	125,000.00	80,000.00	80,000.00
3	Staging Area and Batch Plant Site	1	L.S.	79,180.00	79,180.00	150,000.00	150,000.00	65,275.47	65,275.47	150,000.00	150,000.00	70,000.00	70,000.00	90,000.00	90,000.00
4	Construction Staking	1	L.S.	29,150.00	29,150.00	45,000.00	45,000.00	40,700.00	40,700.00	40,000.00	40,000.00	23,000.00	23,000.00	40,000.00	40,000.00
5	Temporary Vehicle Tracking Control	1	L.S.	642.47	642.47	750.00	750.00	637.19	637.19	1,000.00	1,000.00	601.00	601.00	700.00	700.00
6	Concrete Washout Area	1	Each	381.82	381.82	3,500.00	3,500.00	378.68	378.68	500.00	500.00	360.00	360.00	1,000.00	1,000.00
7	Remove and Dispose of Concrete Pavement - ±14 inch on ±9 inch CTB	26,249	S.Y.	8.08	212,091.92	9.00	236,241.00	8.01	210,254.49	8.00	209,992.00	7.55	198,179.95	12.00	314,988.00
8	Remove and Dispose of Concrete Pavement - ±15 inch	318	S.Y.	5.89	1,873.02	6.00	1,908.00	5.84	1,857.12	6.00	1,908.00	5.50	1,749.00	10.00	3,180.00
9	Remove and Dispose of Bituminous Pavement - ±4 inch	133	S.Y.	2.89	384.37	3.00	399.00	2.87	381.71	3.00	399.00	2.70	359.10	10.00	1,330.00
10	Remove and Dispose of Bituminous Pavement - ±6 inch	58	S.Y.	3.32	192.56	3.50	203.00	3.29	190.82	3.00	174.00	3.10	179.80	9.00	522.00
11	Remove and Dispose of Bituminous Pavement - ±12 inch	8,640	S.Y.	3.56	30,758.40	4.00	34,560.00	3.53	30,499.20	4.00	34,560.00	3.33	28,771.20	8.00	69,120.00
12	Remove and Dispose of Bituminous Pavement - ±14 inch	1,456	S.Y.	4.23	6,158.88	4.50	6,552.00	4.19	6,100.64	4.00	5,824.00	3.95	5,751.20	15.00	21,840.00
13	Remove and Dispose of Bituminous Overlay (±15 inch) over Concrete Pavement (±11 inch)	2,281	S.Y.	10.64	24,269.84	12.00	27,372.00	10.55	24,064.55	10.00	22,810.00	9.95	22,695.95	20.00	45,620.00
14	Mill Bituminous Pavement - 2 inch depth	2,884	S.Y.	5.62	16,208.08	15.00	43,260.00	5.65	16,294.60	15.00	43,260.00	1.25	3,605.00	2.50	7,210.00
15	Unclassified Excavation	33,653	C.Y.	6.42	216,052.26	7.00	235,571.00	6.37	214,369.61	6.00	201,918.00	6.00	201,918.00	12.00	403,836.00
16	Subbase Course	21,104	C.Y.	10.54	222,436.16	11.00	232,144.00	10.45	220,536.80	10.00	211,040.00	9.85	207,874.40	22.00	464,288.00
17	Crushed Aggregate Base Course	17,276	C.Y.	36.38	628,500.88	42.00	725,592.00	42.08	726,974.08	35.00	604,660.00	34.00	587,384.00	45.00	777,420.00
18	Geotextile Fabric	50,897	S.Y.	1.66	84,489.02	2.00	101,794.00	1.64	83,471.08	2.00	101,794.00	1.55	78,890.35	2.00	101,794.00
19	Plant Mix Bituminous Pavement, PG 58-28	313	Ton	133.75	41,863.75	150.00	46,950.00	135.13	42,295.69	130.00	40,690.00	125.00	39,125.00	100.00	31,300.00
20	Plant Mix Bituminous Pavement, PG 58-28	2,480	Ton	111.28	275,974.40	125.00	310,000.00	112.42	278,801.60	110.00	272,800.00	104.00	257,920.00	86.00	213,280.00
21	17 inch Portland Cement Concrete Pavement	40,959	S.Y.	72.75	2,979,767.25	85.00	3,481,515.00	96.33	3,945,580.47	92.00	3,768,228.00	92.10	3,772,323.90	75.00	3,071,925.00
22	Bituminous Tack Coat	1,149	Gal	6.37	7,319.13	7.00	8,043.00	6.43	7,388.07	6.00	6,894.00	5.95	6,836.55	2.00	2,298.00
23	Joint Sealing-PCC Pavement (Silicone)	37,229	L.F.	1.80	67,012.20	2.00	74,458.00	1.57	58,449.53	2.00	74,458.00	2.10	78,180.90	3.50	130,301.50
24	Joint Sealing-Isolation Joint (Hot Applied)	820	L.F.	1.25	1,025.00	2.40	1,968.00	2.20	1,804.00	2.00	1,640.00	2.05	1,681.00	3.50	2,870.00
25	Joint Sealing-Shoulder (Hot Applied)	2,778	L.F.	0.95	2,639.10	1.25	3,472.50	1.19	3,305.82	1.25	3,472.50	1.45	4,028.10	2.00	5,556.00
26	Obliterate Runway & Taxiway Marking	3,562	S.F.	1.61	5,734.82	2.00	7,124.00	1.62	5,770.44	1.50	5,343.00	1.50	5,343.00	2.00	7,124.00
27	Runway & Taxiway Marking	42,533	S.F.	1.61	68,478.13	2.00	85,066.00	1.62	68,903.46	1.50	63,799.50	1.50	63,799.50	3.00	127,599.00
28	Grooving	20,872	S.Y.	3.14	65,538.08	3.50	73,052.00	3.11	64,911.92	3.50	73,052.00	2.85	59,485.20	4.00	83,488.00
29	Edge Drain - 6" Perforated Edge Drain With Filter Sock	2,130	L.F.	8.56	18,232.80	9.50	20,235.00	8.49	18,083.70	10.00	21,300.00	8.80	18,744.00	15.00	31,950.00
30	Edge Drain - Cleanout Riser & Concrete Pad	8	Each	1,300.00	10,400.00	500.00	4,000.00	913.87	7,310.96	2,500.00	20,000.00	430.00	3,440.00	1,000.00	8,000.00
31	Edge Drain - 6" Non-Perforated Outlet Line and Connection	2	Each	6,003.30	12,006.60	7,000.00	14,000.00	5,953.93	11,907.86	7,500.00	15,000.00	6,175.00	12,350.00	2,500.00	5,000.00
32	Seeding	2	Acre	1,760.00	4,224.00	3,500.00	8,400.00	1,727.84	4,146.82	1,700.00	4,080.00	1,600.00	3,840.00	1,350.00	3,240.00
33	Topsoiling (On-Site)	2,199	C.Y.	10.70	23,529.30	11.00	24,189.00	10.61	23,331.39	10.00	21,990.00	10.00	21,990.00	9.25	20,340.75

BID TABULATION

Sioux Falls Regional Airport

Partial Runway 3-21 Reconstruction, Taxiways A, B4, and B5 Partial Reconstruction, Taxiway K Rehabilitation, Runway 21 Arresting System Reconstruction, National Guard Drive Partial Reconstruction and Miscellaneous Items

AIP 3-46-0050-050-2016 KLJ 14516103

Bid Date: August 9, 2016

				Low Bidder T&R Contracting 5000 N. Gulby Ave. Sioux Falls, SD 57104		BX Civil & Construction 24663 475th Ave. Dell Rapids, SD 57022		D&G Concrete Construction 1408 E. 39th St. N. Sioux Falls, SD 57104		Reede Construction 5325 E. Hwy. 12 Aberdeen, SD 57401		Dakota Contracting Corporation 2208 W. 50th St. Sioux Falls, SD 57105		Engineer's Opinion of Construction Cost	
Item	Description	Qty.	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
34	Mulching (Fiber Mulch)	1	Acre	1,650.00	1,650.00	2,000.00	2,000.00	1,619.85	1,619.85	1,600.00	1,600.00	1,500.00	1,500.00	2,150.00	2,150.00
35	Mulching (Bonded Fiber Matrix)	1	Acre	2,475.00	3,465.00	3,000.00	4,200.00	2,429.78	3,401.69	2,400.00	3,360.00	2,250.00	3,150.00	2,700.00	3,780.00
36	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Trench, Duct Bank or Conduit	18,072	L.F.	1.03	18,614.16	1.10	19,879.20	1.04	18,794.88	1.00	18,072.00	0.96	17,349.12	2.00	36,144.00
37	No. 6 AWG, 5 kV, L-824, Type C Cable, Installed in Trench, Duct Bank or Conduit	12,355	L.F.	1.35	16,679.25	1.50	18,532.50	1.36	16,802.80	1.30	16,061.50	1.26	15,567.30	2.25	27,798.75
38	No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Ground Connectors	7,758	L.F.	1.25	9,697.50	1.40	10,861.20	1.26	9,775.08	1.30	10,085.40	1.17	9,076.86	1.50	11,637.00
39	No. 2/0 AWG, 600V, Type RHW Cable, Installed in Trench, Duct Bank or Conduit	1,611	L.F.	3.60	5,799.60	4.00	6,444.00	3.63	5,847.93	3.50	5,638.50	3.36	5,412.96	2.50	4,027.50
40	No. 2 AWG, 600V, Type RHW Cable, Installed in Trench, Duct Bank or Conduit	1,146	L.F.	1.93	2,211.78	2.10	2,406.60	1.94	2,223.24	2.00	2,292.00	1.80	2,062.80	1.75	2,005.50
41	No. 2/0 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit	537	L.F.	3.60	1,933.20	4.00	2,148.00	3.63	1,949.31	3.50	1,879.50	3.36	1,804.32	2.50	1,342.50
42	No. 2 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit	573	L.F.	1.93	1,105.89	2.10	1,203.30	1.94	1,111.62	2.00	1,146.00	1.80	1,031.40	1.75	1,002.75
43	Cable Plowing (Counterpoise Only)	5,681	L.F.	2.00	11,362.00	2.20	12,498.20	2.02	11,475.62	2.00	11,362.00	1.87	10,623.47	2.00	11,362.00
44	Non-Encased Electrical Conduit, 1.25"	2,204	L.F.	3.78	8,331.12	4.20	9,256.80	3.81	8,397.24	4.00	8,816.00	3.53	7,780.12	5.00	11,020.00
45	Non-Encased Electrical Conduit, 1.5"	1,497	L.F.	3.94	5,898.18	4.40	6,586.80	3.97	5,943.09	4.00	5,988.00	3.68	5,508.96	6.00	8,982.00
46	Non-Encased Electrical Conduit, 2" (Bored)	50	L.F.	23.47	1,173.50	26.00	1,300.00	23.66	1,183.00	23.00	1,150.00	21.93	1,096.50	50.00	2,500.00
47	Non-Encased Electrical Conduit, 2"	9,946	L.F.	4.25	42,270.50	4.50	44,757.00	4.28	42,568.88	4.00	39,784.00	3.97	39,485.62	7.00	69,622.00
48	Non-Encased Electrical Conduit, 3"	537	L.F.	6.00	3,222.00	6.50	3,490.50	6.05	3,248.85	6.00	3,222.00	5.61	3,012.57	8.00	4,296.00
49	Sand-Encased Electrical Duct, 1x4x2" PVC	865	L.F.	24.42	21,123.30	27.00	23,355.00	24.62	21,296.30	24.00	20,760.00	22.82	19,739.30	40.00	34,600.00
50	Electrical Junction Structure L-867B Base Can with Solid Cover	9	Each	522.90	4,706.10	600.00	5,400.00	527.30	4,745.70	525.00	4,725.00	490.35	4,413.15	650.00	5,850.00
51	Junction Box	8	Each	801.12	6,408.96	900.00	7,200.00	807.86	6,462.88	800.00	6,400.00	748.71	5,989.68	1,000.00	8,000.00
52	Glideslope Control Cable	178	L.F.	14.25	2,536.50	15.00	2,670.00	14.37	2,557.86	14.00	2,492.00	13.32	2,370.96	9.00	1,602.00
53	Install New L-804 (L) Runway Guard Light on Existing Base can	1	Each	2,855.96	2,855.96	3,200.00	3,200.00	2,879.98	2,879.98	2,800.00	2,800.00	2,650.06	2,650.06	1,200.00	1,200.00
54	Install New L-804 (L) Runway Guard Light	7	Each	3,320.26	23,241.82	3,700.00	25,900.00	3,348.19	23,437.33	3,300.00	23,100.00	3,040.49	21,283.43	2,000.00	14,000.00
55	Reinstall L-850C Runway Edge lights (In Pavement)	6	Each	2,084.05	12,504.30	2,400.00	14,400.00	2,586.31	15,517.86	2,000.00	12,000.00	2,495.64	14,973.84	2,000.00	12,000.00
56	Reinstall L-862 Runway lights (base mounted)	2	Each	634.75	1,269.50	700.00	1,400.00	640.08	1,280.16	625.00	1,250.00	1,372.95	2,745.90	800.00	1,600.00
57	Reinstall L-850B Touchdown Zone (TDZ) Light	90	Each	2,007.42	180,667.80	2,200.00	198,000.00	2,509.03	225,812.70	2,000.00	180,000.00	2,500.00	225,000.00	2,000.00	180,000.00
58	Reinstall L-850A Runway Centerline Light	30	Each	2,001.58	60,047.40	2,200.00	66,000.00	2,503.15	75,094.50	1,900.00	57,000.00	2,505.00	75,150.00	2,000.00	60,000.00
59	Incursion Loop	1	Each	1,776.98	1,776.98	2,000.00	2,000.00	1,791.93	1,791.93	1,750.00	1,750.00	1,660.73	1,660.73	5,000.00	5,000.00
60	L-858(L) Lighted Sign	7	Each	3,880.99	27,166.93	4,300.00	30,100.00	3,913.63	27,395.41	3,800.00	26,600.00	3,858.79	27,011.53	3,000.00	21,000.00
61	L-861T(L) Taxiway Light (Base Mounted)	65	Each	752.48	48,911.20	830.00	53,950.00	758.81	49,322.65	750.00	48,750.00	652.33	42,401.45	900.00	58,500.00
62	Existing Equipment Removal	1	L.S.	14,911.34	14,911.34	16,500.00	16,500.00	15,036.76	15,036.76	15,000.00	15,000.00	13,935.83	13,935.83	50,000.00	50,000.00
63	Temporary Lighting	1	L.S.	743.99	743.99	800.00	800.00	731.13	731.13	700.00	700.00	677.60	677.60	25,000.00	25,000.00
	TOTAL BID SCHEDULE 1 - BASE BID			**$**	**6,571,300.00**	**$**	**7,593,757.60**	**$**	**7,845,112.69**	**$**	**8,081,369.90**	**$**	**8,922,871.56**	**$**	**7,643,142.25**

BID TABULATION

Sioux Falls Regional Airport

Partial Runway 3-21 Reconstruction, Taxiways A, B4, and B5 Partial Reconstruction, Taxiway K Rehabilitation, Runway 21 Arresting System Reconstruction, National Guard Drive Partial Reconstruction and Miscellaneous Items

AIP 3-46-0050-050-2016 KLJ 14516103

Bid Date: August 9, 2016

				Low Bidder T&R Contracting 5000 N. Gulby Ave. Sioux Falls, SD 57104		BX Civil & Construction 24663 475th Ave. Dell Rapids, SD 57022		D&G Concrete Construction 1408 E. 39th St. N. Sioux Falls, SD 57104		Reede Construction 5325 E. Hwy. 12 Aberdeen, SD 57401		Dakota Contracting Corporation 2208 W. 50th St. Sioux Falls, SD 57105		Engineer's Opinion of Construction Cost	
Item	Description	Qty.	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Schedule 3 - Reconstruct Aircraft Arresting System															
1	Mobilization	1	L.S.	120,000.00	$ 120,000.00	61,000.00	$ 61,000.00	350,630.00	$ 350,630.00	120,000.00	$ 120,000.00	97,000.00	$ 97,000.00	105,000.00	$ 105,000.00
2	Construction Staking	1	L.S.	3,850.00	$ 3,850.00	8,500.00	$ 8,500.00	8,140.00	$ 8,140.00	8,000.00	$ 8,000.00	6,000.00	$ 6,000.00	10,000.00	$ 10,000.00
3	Remove and Dispose of Concrete Pavement - ±14 inch on ±9 inch CTB	2,083	S.Y.	8.08	$ 16,830.64	9.00	$ 18,747.00	8.01	$ 16,684.83	8.00	$ 16,664.00	7.55	$ 15,726.65	12.00	$ 24,996.00
4	BAK-14 Aircraft Arresting System	1	L.S.	294,000.00	$ 294,000.00	405,000.00	$ 405,000.00	336,651.37	$ 336,651.37	350,000.00	$ 350,000.00	358,500.00	$ 358,500.00	375,000.00	$ 375,000.00
5	Unclassified Excavation	3,113	C.Y.	7.32	$ 22,787.16	8.00	$ 24,904.00	7.26	$ 22,600.38	7.00	$ 21,791.00	6.85	$ 21,324.05	12.00	$ 37,356.00
6	Remove Asphalt Surfacing, ±3"	148	S.Y.	5.35	$ 791.80	6.00	$ 888.00	5.31	$ 785.88	6.00	$ 888.00	5.00	$ 740.00	3.00	$ 444.00
7	Remove PCC Pavement, ±7"	2,356	S.Y.	4.04	$ 9,518.24	4.50	$ 10,602.00	4.01	$ 9,447.56	4.00	$ 9,424.00	3.80	$ 8,952.80	6.00	$ 14,136.00
8	Mill Asphalt Surfacing, 0-2"	165	S.Y.	17.87	$ 2,948.55	30.00	$ 4,950.00	17.80	$ 2,937.00	45.00	$ 7,425.00	12.70	$ 2,095.50	3.00	$ 495.00
9	Subbase Course	2,802	C.Y.	10.54	$ 29,533.08	12.00	$ 33,624.00	10.45	$ 29,280.90	10.00	$ 28,020.00	9.85	$ 27,599.70	22.00	$ 61,644.00
10	Crushed Aggregate Base Course	1,126	C.Y.	36.38	$ 40,963.88	40.00	$ 45,040.00	42.08	$ 47,382.08	35.00	$ 39,410.00	34.00	$ 38,284.00	45.00	$ 50,670.00
11	Geotextile Fabric	4,591	S.Y.	1.66	$ 7,621.06	2.00	$ 9,182.00	1.64	$ 7,529.24	2.00	$ 9,182.00	1.55	$ 7,116.05	2.00	$ 9,182.00
12	17 inch Portland Cement Concrete Pavement	2,083	S.Y.	72.75	$ 151,538.25	84.00	$ 174,972.00	96.33	$ 200,655.39	90.00	$ 187,470.00	93.75	$ 195,281.25	75.00	$ 156,225.00
13	Asphalt Concrete, Class G, PG 58-28	177	Ton	121.98	$ 21,590.46	135.00	$ 23,895.00	123.23	$ 21,811.71	120.00	$ 21,240.00	114.00	$ 20,178.00	100.00	$ 17,700.00
14	Bituminous Tack Coat	145	Gal	6.37	$ 923.65	7.00	$ 1,015.00	6.43	$ 932.35	6.00	$ 870.00	5.95	$ 862.75	4.00	$ 580.00
15	6 inch Portland Cement Concrete Pavement	2,025	S.Y.	55.75	$ 112,893.75	48.00	$ 97,200.00	60.00	$ 121,500.00	80.00	$ 162,000.00	52.95	$ 107,223.75	36.00	$ 72,900.00
16	PCC Joint Sealing (Silicone)	1,775	L.F.	1.80	$ 3,195.00	2.00	$ 3,550.00	1.71	$ 3,035.25	2.00	$ 3,550.00	2.25	$ 3,993.75	3.50	$ 6,212.50
17	Joint Sealing-Isolation Joint (Hot Applied)	1,183	L.F.	1.25	$ 1,478.75	2.40	$ 2,839.20	2.20	$ 2,602.60	2.00	$ 2,366.00	2.05	$ 2,425.15	3.50	$ 4,140.50
18	Runway & Taxiway Marking	1,349	S.F.	2.14	$ 2,886.86	2.40	$ 3,237.60	2.16	$ 2,913.84	2.00	$ 2,698.00	2.00	$ 2,698.00	3.00	$ 4,047.00
19	Grooving	1,806	S.Y.	3.14	$ 5,670.84	3.40	$ 6,140.40	3.11	$ 5,616.66	3.00	$ 5,418.00	3.10	$ 5,598.60	4.00	$ 7,224.00
20	6" PVC Storm Sewer, SDR 35	194	L.F.	29.69	$ 5,759.86	33.00	$ 6,402.00	29.45	$ 5,713.30	30.00	$ 5,820.00	27.75	$ 5,383.50	30.00	$ 5,820.00
21	6" PVC Storm Sewer Wye, F&I	2	Each	107.00	$ 214.00	120.00	$ 240.00	106.12	$ 212.24	105.00	$ 210.00	100.00	$ 200.00	150.00	$ 300.00
22	Connect to Existing 48" Storm Manhole	4	Each	802.50	$ 3,210.00	900.00	$ 3,600.00	795.90	$ 3,183.60	800.00	$ 3,200.00	750.00	$ 3,000.00	400.00	$ 1,600.00
23	BAK 14 Arrestor System and Radio Upgrades	4	L.S.	14,432.07	$ 57,728.28	2,500.00	$ 10,000.00	2,263.66	$ 9,054.64	2,200.00	$ 8,800.00	2,097.92	$ 8,391.68	5,000.00	$ 20,000.00
24	ARFF Station, ATCT and SDANG Building Radio Upgrades	3	L.S.	2,244.77	$ 6,734.31	2,500.00	$ 7,500.00	2,263.66	$ 6,790.98	2,200.00	$ 6,600.00	2,097.92	$ 6,293.76	5,000.00	$ 15,000.00
25	No. 6 AWG, 5 kV, L-824, Type C Cable, Installed in Trench, Duct Bank or Conduit	400	L.F.	1.41	$ 564.00	1.50	$ 600.00	1.42	$ 568.00	1.40	$ 560.00	1.32	$ 528.00	2.00	$ 800.00
26	No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Ground Connectors	200	L.F.	1.25	$ 250.00	1.50	$ 300.00	1.26	$ 252.00	1.25	$ 250.00	1.17	$ 234.00	1.50	$ 300.00
27	No. 12 AWG, 600V, Type THWN Cable, Installed in Trench, Duct Bank or Conduit	626	L.F.	2.34	$ 1,464.84	2.50	$ 1,565.00	2.36	$ 1,477.36	2.50	$ 1,565.00	2.19	$ 1,370.94	1.25	$ 782.50
28	No. 10 AWG, 600V, Type THWN Cable, Installed in Trench, Duct Bank or Conduit	3,130	L.F.	3.08	$ 9,640.40	3.50	$ 10,955.00	3.11	$ 9,734.30	3.00	$ 9,390.00	2.88	$ 9,014.40	1.50	$ 4,695.00
29	No. 12 AWG, Insulated, Stranded Equipment Ground, Installed in Trench, Duct Bank or Conduit	313	L.F.	2.34	$ 732.42	2.50	$ 782.50	2.36	$ 738.68	2.50	$ 782.50	2.19	$ 685.47	1.25	$ 391.25
30	No. 10 AWG, Insulated, Stranded Equipment Ground, Installed in Trench, Duct Bank or Conduit	626	L.F.	3.08	$ 1,928.08	3.50	$ 2,191.00	3.11	$ 1,946.86	3.00	$ 1,878.00	2.88	$ 1,802.88	1.50	$ 939.00

BID TABULATION

Sioux Falls Regional Airport

Partial Runway 3-21 Reconstruction, Taxiways A, B4, and B5 Partial Reconstruction, Taxiway K Rehabilitation, Runway 21 Arresting System Reconstruction, National Guard Drive Partial Reconstruction and Miscellaneous Items

AIP 3-46-0050-050-2016 KLJ 14516103

Bid Date: August 9, 2016

				Low Bidder T&R Contracting 5000 N. Gulby Ave. Sioux Falls, SD 57104		BX Civil & Construction 24663 475th Ave. Dell Rapids, SD 57022		D&G Concrete Construction 1408 E. 39th St. N. Sioux Falls, SD 57104		Reede Construction 5325 E. Hwy. 12 Aberdeen, SD 57401		Dakota Contracting Corporation 2208 W. 50th St. Sioux Falls, SD 57105		Engineer's Opinion of Construction Cost	
Item	Description	Qty.	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
31	Non-Encased Electrical Conduit, 1.5"	200	L.F.	3.94	$ 788.00	4.50	$ 900.00	3.97	$ 794.00	4.00	$ 800.00	3.68	$ 736.00	6.00	$ 1,200.00
32	Concrete-Encased Electrical Duct	60	L.F.	66.17	$ 3,970.20	73.00	$ 4,380.00	66.73	$ 4,003.80	65.00	$ 3,900.00	61.84	$ 3,710.40	60.00	$ 3,600.00
33	Reinstall L-850B Touchdown Zone (TDZ) Light	6	Each	2,001.58	$ 12,009.48	2,200.00	$ 13,200.00	2,503.15	$ 15,018.90	2,000.00	$ 12,000.00	2,500.00	$ 15,000.00	2,000.00	$ 12,000.00
34	Reinstall L-850A Runway Centerline Light	2	Each	2,001.58	$ 4,003.16	2,200.00	$ 4,400.00	2,503.15	$ 5,006.30	1,900.00	$ 3,800.00	2,505.00	$ 5,010.00	2,000.00	$ 4,000.00
35	Install Heating Cable	1	L.S.	5,694.82	$ 5,694.82	6,300.00	$ 6,300.00	5,742.72	$ 5,742.72	5,600.00	$ 5,600.00	5,322.26	$ 5,322.26	15,000.00	$ 15,000.00
36	Install Heat Tape	1	L.S.	580.03	$ 580.03	650.00	$ 650.00	584.90	$ 584.90	575.00	$ 575.00	542.08	$ 542.08	5,000.00	$ 5,000.00
37	Tax on Owner Furnished Materials	1	L.S.	48,951.15	$ 48,951.15	29,461.00	$ 29,461.00	31,788.42	$ 31,788.42	29,500.00	$ 29,500.00	32,500.00	$ 32,500.00	30,000.00	$ 30,000.00
	TOTAL BID SCHEDULE 3 - BASE BID				**$ 1,013,245.00**		**$ 1,038,712.70**		**$ 1,293,748.04**		**$ 1,091,646.50**		**$ 1,021,325.37**		**$ 1,079,379.75**
	SUMMARY OF BIDS														
	TOTAL BID SCHEDULE 1				**$ 6,571,300.00**		**$ 7,593,757.60**		**$ 7,845,112.69**		**$ 8,081,369.90**		**$ 8,922,871.56**		**$ 7,643,142.25**
	TOTAL BID SCHEDULE 3				**$ 1,013,245.00**		**$ 1,038,712.70**		**$ 1,293,748.04**		**$ 1,091,646.50**		**$ 1,021,325.37**		**$ 1,079,379.75**
	TOTAL BID SCHEDULE 1 & 3				**$ 7,584,545.00**		**$ 8,632,470.30**		**$ 9,138,860.73**		**$ 9,173,016.40**		**$ 9,944,196.93**		**$ 8,722,522.00**

Project Manager's Signature: Date: 8/9/2016

True tabulations of bids received on: August 9, 2016

Number of bids received: 5

Bids rejected: 0

Corrections made due to mathematical errors in calculating costs.

BID TABULATION

West GA Taxilane Extension, Taxiway A & A2 Rehabilitation, Realign Perimeter Road, & Miscellaneous Items
Sioux Falls Regional Airport, Sioux Falls, SD
FAA AIP No. 3-46-0050-050-2016
Bid Opening - March 22, 2016 @ 2:00 P.M.
Prepared By: Goldsmith Heck Engineers, Inc.

					LOWEST RESPONSIVE BIDDER					
Base Bid - Phase 1 - Westside GA Taxilane Extension					**BX Civil & Construction**		**Dakota Contracting**		**Engineer's Opinion**	
Item	**Spec**	**Description**	**Quantity**	**Unit**	**Unit Price**	**Total**	**Unit Price**	**Total**	**Unit Price**	**Total**
1	SP-Loc	Mobilization	1	L.S.	$ 80,000.00	$ 80,000.00	$ 144,500.00	$ 144,500.00	$ 70,000.00	$ 70,000.00
2	SP-Loc	Airside Traffic Control	1	L.S.	$ 21,500.00	$ 21,500.00	$ 26,605.00	$ 26,605.00	$ 10,000.00	$ 10,000.00
3	Detail	Inlet Protection	1	Each	$ 185.00	$ 185.00	$ 125.00	$ 125.00	$ 200.00	$ 200.00
4	Detail	Erosion Control Wattles	40	L.F.	$ 7.00	$ 280.00	$ 5.00	$ 200.00	$ 5.00	$ 200.00
5	Detail	Concrete Washout Area	1	Each	$ 550.00	$ 550.00	$ 2,000.00	$ 2,000.00	$ 1,000.00	$ 1,000.00
6	Plan Notes	Remove and Dispose of 12" CMP	52	L.F.	$ 11.80	$ 613.60	$ 7.25	$ 377.00	$ 10.00	$ 520.00
7	Plan Notes	Remove and Dispose of 12" CMP End Section	2	Each	$ 110.00	$ 220.00	$ 50.00	$ 100.00	$ 150.00	$ 300.00
8	Plan Notes	Remove and Dispose of Concrete Pavement - 6 inch	132	S.Y.	$ 9.00	$ 1,188.00	$ 3.95	$ 521.40	$ 7.00	$ 924.00
9	Plan Notes	Remove and Dispose of Concrete Pavement - 12 inch	98	S.Y.	$ 18.50	$ 1,813.00	$ 10.00	$ 980.00	$ 10.00	$ 980.00
10	Plan Notes	Remove and Dispose of Bituminous Pavement - 4 inch	958	S.Y.	$ 4.75	$ 4,550.50	$ 2.50	$ 2,395.00	$ 3.00	$ 2,874.00
11	P-152	Unclassified Excavation	5,825	C.Y.	$ 5.90	$ 34,367.50	$ 8.25	$ 48,056.25	$ 14.00	$ 81,550.00
12	P-154	Subbase Course	1,056	C.Y.	$ 19.50	$ 20,592.00	$ 18.70	$ 19,747.20	$ 22.00	$ 23,232.00
13	P-209	Crushed Aggregate Base Course	663	C.Y.	$ 39.00	$ 25,857.00	$ 45.70	$ 30,299.10	$ 45.00	$ 29,835.00
14	Plan Notes	Geotextile Fabric	1,989	S.Y.	$ 2.00	$ 3,978.00	$ 2.05	$ 4,077.45	$ 3.00	$ 5,967.00
15	SP-P-302	Aggregate Base Course, SDDOT	71	C.Y.	$ 63.75	$ 4,526.25	$ 58.35	$ 4,142.85	$ 26.00	$ 1,846.00
16	SP-P-320	Asphalt Concrete, Class G, PG 58-28	60	Ton	$ 135.00	$ 8,100.00	$ 116.00	$ 6,960.00	$ 100.00	$ 6,000.00
17	P-501	PCC Pavment - 10 inch	1,053	S.Y.	$ 55.00	$ 57,915.00	$ 61.45	$ 64,706.85	$ 60.00	$ 63,180.00
18	P-501	PCC Pavement - 12 inch	847	S.Y.	$ 75.00	$ 63,525.00	$ 84.90	$ 71,910.30	$ 65.00	$ 55,055.00
19	P-605	Joint Sealing-PCC Pavement (Silicone)	1,644	L.F.	$ 2.75	$ 4,521.00	$ 2.55	$ 4,192.20	$ 3.50	$ 5,754.00
20	P-620	Runway & Taxiway Marking	1,110	S.F.	$ 1.95	$ 2,164.50	$ 1.65	$ 1,831.50	$ 3.00	$ 3,330.00
21	Plan Notes	Obliterate Airfield Marking	717	S.F.	$ 2.35	$ 1,684.95	$ 2.00	$ 1,434.00	$ 5.00	$ 3,585.00
22	T-901	Seeding	1.3	Acre	$ 8,000.00	$ 10,400.00	$ 1,900.00	$ 2,470.00	$ 2,000.00	$ 2,600.00
23	T-905	Topsoiling (On-Site)	880	C.Y.	$ 8.85	$ 7,788.00	$ 3.75	$ 3,300.00	$ 10.00	$ 8,800.00
24	T-908	Mulching - Fiber Mulch	1.8	Acre	$ 2,500.00	$ 4,500.00	$ 1,250.00	$ 2,250.00	$ 2,500.00	$ 4,500.00
25	L-108	Trench, Duct Bank or Conduit	366	L.F.	$ 1.45	$ 530.70	$ 1.23	$ 450.18	$ 2.00	$ 732.00
26	L-108	Trench, Above the Duct Bank or Conduit, Including Ground	148	L.F.	$ 1.65	$ 244.20	$ 1.38	$ 204.24	$ 1.50	$ 222.00
27	L-108	Duct Bank or Conduit	930	L.F.	$ 1.10	$ 1,023.00	$ 1.00	$ 930.00	$ 1.70	$ 1,581.00
28	L-108	Installed in Duct Bank or Conduit	465	L.F.	$ 1.10	$ 511.50	$ 1.00	$ 465.00	$ 1.60	$ 744.00
29	L-108	Cable Plowing (Counterpoise Only)	148	L.F.	$ 2.80	$ 414.40	$ 2.37	$ 350.76	$ 2.00	$ 296.00
30	L-110	Non-Encased Electrical Conduit, 2"	183	L.F.	$ 5.15	$ 942.45	$ 4.40	$ 805.20	$ 6.00	$ 1,098.00
31	L-110	Non-Encased Electrical Conduit, 1"	37	L.F.	$ 4.30	$ 159.10	$ 3.65	$ 135.05	$ 5.00	$ 185.00
32	Plan Notes	L-861T(L) MI Taxiway Light (Base Mounted)	3	Each	$ 950.00	$ 2,850.00	$ 846.84	$ 2,540.52	$ 950.00	$ 2,850.00
33	Plan Notes	Reinstall L-861 Taxiway Edge Light (Base Mounted)	2	Each	$ 700.00	$ 1,400.00	$ 593.19	$ 1,186.38	$ 500.00	$ 1,000.00
34	Plan Notes	L-853 Taxiway Marker	8	Each	$ 155.00	$ 1,240.00	$ 132.14	$ 1,057.12	$ 200.00	$ 1,600.00
35	Plan Notes	Reinstall Floodlight Pole	1	Each	$ 2,000.00	$ 2,000.00	$ 1,892.48	$ 1,892.48	$ 1,200.00	$ 1,200.00
36	Plan Notes	New Lighting Control Equipment	1	L.S.	$ 4,000.00	$ 4,000.00	$ 3,762.07	$ 3,762.07	$ 700.00	$ 700.00
37	Plan Notes	Existing Equipment Removal	1	L.S.	$ 1,000.00	$ 1,000.00	$ 908.60	$ 908.60	$ 1,000.00	$ 1,000.00
		Total Cost - Base Bid - Phase 1 - Westside GA Taxilane Extension =			**$**	**377,134.65**	**$**	**457,868.70**	**$**	**395,440.00**

Base Bid - Phase 1 - National Guard Curb and Gutter			**Quantity**	**Unit**	**Unit Price**	**Total**	**Unit Price**	**Total**	**Unit Price**	**Total**
1	P-152	Unclassified Excavation	67	C.Y.	$ 7.50	$ 502.50	$ 46.00	$ 3,082.00	$ 16.00	$ 1,072.00
2	SP-P-302	Aggregate Base Course, SDDOT	63	C.Y.	$ 90.00	$ 5,670.00	$ 82.10	$ 5,172.30	$ 30.00	$ 1,890.00
3	SP-P-320	Bituminous Pavement, Class G, PG 58-28	58	TON	$ 125.00	$ 7,250.00	$ 107.00	$ 6,206.00	$ 100.00	$ 5,800.00
4	SP-P-320	Asphalt Concrete for Patching, Class G, PG 58-28	8	TON	$ 165.00	$ 1,320.00	$ 140.00	$ 1,120.00	$ 200.00	$ 1,600.00
5	Plan Notes	Mill and Salvage Bituminous Pavement (2"-3" Depth)	275	S.Y.	$ 23.50	$ 6,462.50	$ 20.00	$ 5,500.00	$ 4.00	$ 1,100.00
6	P-603	Bituminous Tack Coat	35	GAL	$ 5.90	$ 206.50	$ 5.00	$ 175.00	$ 4.00	$ 140.00
7	T-901	Seeding	0.2	Acre	$ 8,000.00	$ 1,600.00	$ 1,900.00	$ 380.00	$ 2,000.00	$ 400.00
8	T-905	Topsoiling	99	C.Y.	$ 8.85	$ 876.15	$ 15.25	$ 1,509.75	$ 10.00	$ 990.00
9	T-908	Mulching - Fiber mulch	0.2	Acre	$ 2,500.00	$ 500.00	$ 1,250.00	$ 250.00	$ 2,500.00	$ 500.00
10	Detail	12" Reinforced Concrete Pipe (F&I)	8	L.F.	$ 53.00	$ 424.00	$ 120.00	$ 960.00	$ 60.00	$ 480.00
11	Detail	12" Reinforced Concrete Flared End (F&I)	1	Each	$ 625.00	$ 625.00	$ 1,250.00	$ 1,250.00	$ 300.00	$ 300.00
12	Detail	Concrete Curb And Gutter (SF66)	300	L.F.	$ 16.50	$ 4,950.00	$ 20.85	$ 6,255.00	$ 20.00	$ 6,000.00
13	Detail	B1 Drop Inlet	1	Each	$ 2,000.00	$ 2,000.00	$ 1,975.00	$ 1,975.00	$ 2,000.00	$ 2,000.00
		Total Cost - Base Bid - Phase 1 - National Guard Curb and Gutter =			**$**	**32,386.65**	**$**	**33,835.05**	**$**	**22,272.00**

Base Bid - Phase 2 - Taxiway A & A2 Rehabilitation

Item	Spec	Description	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	SP-Loc	Mobilization	1	L.S.	$ 40,000.00	$ 40,000.00	$ 21,150.00	$ 21,150.00	$ 70,000.00	$ 70,000.00
2	SP-Loc	Airside Traffic Control	1	L.S.	$ 21,000.00	$ 21,000.00	$ 12,950.00	$ 12,950.00	$ 65,000.00	$ 65,000.00
3	Detail	Concrete Washout Area	1	Each	$ 550.00	$ 550.00	$ 2,000.00	$ 2,000.00	$ 1,000.00	$ 1,000.00
4	SP-P-209	Crushed Aggregate Base Course, 7"	1,127	C.Y.	$ 37.50	$ 42,262.50	$ 50.95	$ 57,420.65	$ 45.00	$ 50,715.00
5	SP-P-501	PCC Pavement, 15"	5,120	S.Y.	$ 75.00	$ 384,000.00	$ 82.45	$ 422,144.00	$ 75.00	$ 384,000.00
6	Plan Notes	Remove And Dispose of ±20" Concrete Pavement (Mainline)	5,120	S.Y.	$ 5.90	$ 30,208.00	$ 11.00	$ 56,320.00	$ 14.00	$ 71,680.00
7	Plan Notes	Remove And Dispose of ±20" Concrete Pavement (Repairs)	354	S.Y.	$ 7.00	$ 2,478.00	$ 51.80	$ 18,337.20	$ 15.00	$ 5,310.00
8	SP-P-520	PCC Pavement Sawing, ±20" (Mainline)	1,786	L.F.	$ 28.00	$ 50,008.00	$ 25.95	$ 46,346.70	$ 20.00	$ 35,720.00
9	SP-P-520	PCC Pavement Sawing, ±20" (Repairs)	799	L.F.	$ 28.00	$ 22,372.00	$ 25.95	$ 20,734.05	$ 26.00	$ 20,774.00
10	SP-P-520	Install 1 1/4" Steel Bar in Existing PCC Pavement	781	Each	$ 14.00	$ 10,934.00	$ 14.60	$ 11,402.60	$ 15.00	$ 11,715.00
11	SP-P-520	PCC Pavement Full Depth Repair, 15"	354	S.Y.	$ 140.00	$ 49,560.00	$ 116.15	$ 41,117.10	$ 150.00	$ 53,100.00
12	SP-P-520	PCC Crack Routing And Sealing	20	L.F.	$ 5.00	$ 100.00	$ 12.00	$ 240.00	$ 15.00	$ 300.00
13	P-605	Joint Sealing-PCC Pavement (Hot Applied)	6,968	L.F.	$ 2.10	$ 14,632.80	$ 1.25	$ 8,710.00	$ 2.00	$ 13,936.00
14	P-603	Bituminous Tack Coat	11	Gal	$ 5.50	$ 60.50	$ 5.00	$ 55.00	$ 3.00	$ 33.00
15	P-620	Runway & Taxiway Marking	3,157	S.F.	$ 1.95	$ 6,156.15	$ 1.65	$ 5,209.05	$ 3.00	$ 9,471.00
16	T-901	Seeding	0.1	Acre	$ 8,000.00	$ 800.00	$ 1,900.00	$ 190.00	$ 2,000.00	$ 200.00
17	T-905	Topsoiling	71	C.Y.	$ 8.85	$ 628.35	$ 20.50	$ 1,455.50	$ 10.00	$ 710.00
18	Plan Notes	Bonded Fiber Matrix	425	S.Y.	$ 2.10	$ 892.50	$ 1.95	$ 828.75	$ 2.00	$ 850.00
19	Plan Notes	Temporary Lighting	1	LS	$ 2,500.00	$ 2,500.00	$ 2,000.00	$ 2,000.00	$ 5,000.00	$ 5,000.00
20	Plan Notes	L-858 Unlighted Sign, Size 2	2	Each	$ 1,650.00	$ 3,300.00	$ 1,395.35	$ 2,790.70	$ 2,250.00	$ 4,500.00
		Total Cost - Base Bid - Phase 2 - Taxiway A & A2 Rehabilitation =			**$**	**682,442.80**	**$**	**731,401.30**	**$**	**804,014.00**

Alternate 1 - Phase 1 - Westside GA Taxilane Extension and Perimeter Road

Item	Spec	Description	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Detail	Inlet Protection	3	Each	$ 50.00	$ 150.00	$ 125.00	$ 375.00	$200.00	600.00
2	Detail	Erosion Control Wattles	60	L.F.	$ 4.85	$ 291.00	$ 5.40	$ 324.00	$ 5.00	$ 300.00
3	Detail	Turf Reinforcement Mat	22	S.Y.	$ 14.00	$ 308.00	$ 6.48	$ 142.56	$ 10.00	$ 220.00
4	Detail	12" Watermain	588	L.F.	$ 38.95	$ 22,902.60	$ 41.58	$ 24,449.04	$ 70.00	$ 41,160.00
5	Detail	& Repair Structure Wall	1	Each	$ 11,500.00	$ 11,500.00	$ 6,135.00	$ 6,135.00	$ 5,000.00	$ 5,000.00
6	Detail	12" MJ 45 deg Elbows	4	Each	$ 750.00	$ 3,000.00	$ 572.40	$ 2,289.60	$ 600.00	$ 2,400.00
7	Detail	12" MJ Oversized Sleeves	1	Each	$ 1,600.00	$ 1,600.00	$ 939.60	$ 939.60	$ 600.00	$ 600.00
8		12" MJ Valve, Install (City Furnshed)	1	Each	$ 565.00	$ 565.00	$ 297.00	$ 297.00	$ 500.00	$ 500.00
9	Detail	12" MJ Retainer Glands	12	Each	$ 155.00	$ 1,860.00	$ 183.60	$ 2,203.20	$ 150.00	$ 1,800.00
10	Detail	12" Watermain Bedding Material	588	L.F.	$ 8.25	$ 4,851.00	$ 3.24	$ 1,905.12	$ 4.00	$ 2,352.00
11	Plan Notes	Cut & Tie to Existing Watermain	1	Each	$ 2,000.00	$ 2,000.00	$ 4,698.00	$ 4,698.00	$ 1,500.00	$ 1,500.00
12	Detail	Remove 12" Cast Iron Water Main	462	L.F.	$ 5.90	$ 2,725.80	$ 10.26	$ 4,740.12	$ 20.00	$ 9,240.00
13	P-152	Unclassified Excavation	5,213	C.Y.	$ 5.90	$ 30,756.70	$ 9.45	$ 49,262.85	$ 14.00	$ 72,982.00
14	P-152	Unclassified Excavation (Arm/Dearm Road)	128	C.Y.	$ 7.50	$ 960.00	$ 12.96	$ 1,658.88	$ 15.00	$ 1,920.00
15	P-154	Subbase (20 Inch)	760	C.Y.	$ 24.50	$ 18,620.00	$ 18.70	$ 14,212.00	$ 22.00	$ 16,720.00
16	P-209	Aggregate Base Course (12 inch)	456	C.Y.	$ 39.00	$ 17,784.00	$ 45.25	$ 20,634.00	$ 45.00	$ 20,520.00
17	P-230	Geotextile Fabric	1,367	S.Y.	$ 2.00	$ 2,734.00	$ 2.05	$ 2,802.35	$ 3.00	$ 4,101.00
18	SP-P-302	Aggregate Base Course, SDDOT	538	C.Y.	$ 42.50	$ 22,865.00	$ 38.90	$ 20,928.20	$ 26.00	$ 13,988.00
19	SP-P-302	Aggregate Base Course, SDDOT (Arm/Dearm Road)	67	C.Y.	$ 64.00	$ 4,288.00	$ 59.40	$ 3,979.80	$ 26.00	$ 1,742.00
20	SP-P-320	Asphalt Concrete, Class G, PG 58-28	410	Ton	$ 110.00	$ 45,100.00	$ 100.44	$ 41,180.40	$ 78.00	$ 31,980.00
21	SP-P-320	Asphalt Concrete, Class G, PG 58-28 (Arm/Dearm Road)	45	Ton	$ 125.00	$ 5,625.00	$ 118.80	$ 5,346.00	$ 78.00	$ 3,510.00
22	P-501	PCC Pavement - 10 inch	1,167	S.Y.	$ 50.00	$ 58,350.00	$ 56.75	$ 66,227.25	$ 55.00	$ 64,185.00
23	Plan Notes	Remove and Dispose of Bituminous Pavement - 4 inch	1,436	S.Y.	$ 3.75	$ 5,385.00	$ 2.27	$ 3,259.72	$ 3.00	$ 4,308.00
24	P-603	Bituminous Tack Coat	82	Gal	$ 5.90	$ 483.80	$ 5.40	$ 442.80	$ 3.00	$ 246.00
25	P-605	Joint Sealing-PCC Pavement (Silicone)	895	L.F.	$ 2.75	$ 2,461.25	$ 2.55	$ 2,282.25	$ 4.00	$ 3,580.00
26	P-620	Runway & Taxiway Marking	662	S.F.	$ 1.95	$ 1,290.90	$ 1.78	$ 1,178.36	$ 3.00	$ 1,986.00
27	Detail	12" Reinforced Concrete Pipe (F&I)	32	L.F.	$ 50.00	$ 1,600.00	$ 70.20	$ 2,246.40	$ 60.00	$ 1,920.00
28	Detail	12" Reinforced Concrete Flared End (F&I)	2	EA	$ 730.00	$ 1,460.00	$ 810.00	$ 1,620.00	$ 800.00	$ 1,600.00
29	Plan Notes	Remove and Salvage Chain-Link Fence	79	L.F.	$ 19.50	$ 1,540.50	$ 15.82	$ 1,249.78	$ 3.00	$ 237.00
30	F-162	Install 10 foot Chain-Link Fence	55	L.F.	$ 65.00	$ 3,575.00	$ 52.11	$ 2,866.05	$ 25.00	$ 1,375.00
31	F-162	Install 24' Double Swing Gate	1	Each	$ 2,150.00	$ 2,150.00	$ 1,734.48	$ 1,734.48	$ 2,000.00	$ 2,000.00
32	T-901	Seeding	2.0	Acre	$ 8,000.00	$ 16,000.00	$ 2,052.00	$ 4,104.00	$ 2,000.00	$ 4,000.00
33	T-905	Topsoiling (On-Site)	1,402	C.Y.	$ 8.85	$ 12,407.70	$ 4.05	$ 5,678.10	$ 10.00	$ 14,020.00
34	T-908	Mulching - Fiber Mulch	2.0	Acre	$ 2,500.00	$ 5,000.00	$ 1,350.00	$ 2,700.00	$ 2,500.00	$ 5,000.00
35	Plan Notes	L-853 Taxiway Marker	6	Each	$ 155.00	$ 930.00	$ 142.71	$ 856.26	$ 200.00	$ 1,200.00
36	Plan Notes	L-858 Unlighted Sign, Size 2	1	Each	$ 1,650.00	$ 1,650.00	$ 1,506.98	$ 1,506.98	$ 2,250.00	$ 2,250.00
		Total Cost - Alternate 1 - Phase 1 - Westside GA Taxilane Extension =			**$**	**314,770.25**	**$**	**306,455.15**	**$**	**341,042.00**

Base Bid - Phase 1 - Westside GA Taxilane Extension	$ 377,134.65	$ 457,868.70	$ 395,440.00
Base Bid - Phase 1 - National Guard Curb and Gutter	$ 32,386.65	$ 33,835.05	$ 22,272.00
Base Bid - Phase 2 - Taxiway A & A2 Rehabilitation	$ 682,442.80	$ 731,401.30	$ 804,014.00
TOTAL BASE BID	**$ 1,091,964.10**	**$ 1,223,105.05**	**$ 1,221,726.00**

Alternate 1 - Phase 1 - Westside GA Taxilane Extension and Perimeter Road	$ 314,770.25	$ 306,455.15	$ 341,042.00
TOTAL BASE BID + ALTERNATE 1	**$ 1,406,734.35**	**$ 1,529,560.20**	**$ 1,562,768.00**

48.51% 51.44%

Project Manager - Mark Wiederrich, PE Date

Taxiway A & A2 Rehab Design Portion = use 50%
99,577 x 50% = $49,788.50

Project Cost Breakdown

SISSETON MUNICIPAL AIRPORT

DESIGN OF WETLAND FILLING AND MITIGATION

DESIGN OF APRON EXPANSION – PHASE II	$33,920.00
ADMINISTRATIVE COSTS	$ 1,080.00
TOTAL PROJECT COST	$35,000.00

Project Sketch

Sisseton Municipal Airport

Sisseton, SD

Project Description:

Design of the Wetland Filling and Mitigation Project

Project Narrative

Reducing wildlife hazards enhances safety at the airport by reducing the potential for wildlife-aircraft strikes. A wildlife hazard review was completed and several wildlife attractants were identified. Recommendations on how to rectify those issues were discussed within the report which were to fill airport wetlands and construct a 10' wildlife fence. Therefore, the critical wetlands (as identified by a qualified airport wildlife biologist) will be filled and a ten-foot high wildlife fence should be constructed to reduce wildlife attractants on and around airport property.