

NOTICE OF CONFERENCE CALL
SOUTH DAKOTA AERONAUTICS COMMISSION

You will take notice that the South Dakota Aeronautics Commission will meet by conference call on Tuesday, October 25, 2016 at 1:00 p.m. The public may listen to and participate in the proceeding in the Transportation Conference Room 255 of the South Dakota Department of Transportation, 700 E. Broadway Avenue, Pierre, South Dakota. **The InterCall dial-in number is 1-866-410-8397. The conference code is 1289182255.**



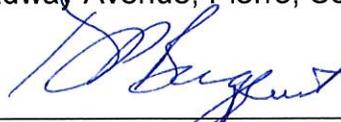
Darin Bergquist, Secretary
Department of Transportation

Notice is further given to individuals with disabilities that this board 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 board meeting should submit a request to the department's ADA Coordinator at 605-773-3251 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 Bergquist, Secretary of the Department of Transportation, being first duly sworn, do hereby state that the above Notice of Conference Call of the South Dakota Railroad Board will be posted on Tuesday, Thursday 20, 2016 at 1:00 p.m. in the entryway of the Becker-Hansen Building at 700 East Broadway Avenue, Pierre, South Dakota.



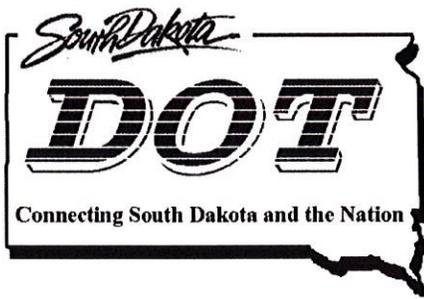
Darin Bergquist, Secretary
Department of Transportation

Subscribed and sworn to before me a Notary Public this 19th day of October, 2016.

Notary Public 



My Commission Expires:
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
TELECONFERENCE MEETING
AGENDA
October 25, 2016 1:00 PM
Pierre, SD**

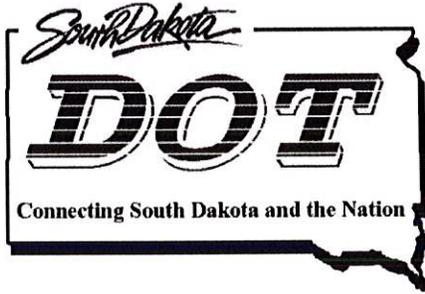
To participate via phone, please dial 1-866-410-8397 enter code 1289182255 to join the meeting.

- 1:00 PM** **Call to Order Skip Vanderhule, Chairman**
- Discussion & Consideration of conflict of interest
 - Approve the minutes of meeting on September 27, 2016
- 1:15 PM** **Darin Bergquist, Secretary**
- Secretary's report
- 1:30 PM** **Tom Koch, Office of Aeronautics**
- Consideration of 2017 airport license approvals
- 2:00 PM** **Jon Becker, Office of Aeronautics**
- Summary of FY2016 South Dakota AIP grants
 - Consideration of financial assistance agreements
- 2:45 PM** **Tessa Wenner, Office of Aeronautics**
- Consideration of future meeting dates

Adjourn

**Next Aeronautics Commission Meeting date to be announced.
Meeting agendas are now posted online at Boards and Commissions site
<http://boardsandcommissions.sd.gov/>**

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



Department of Transportation
Division of Finance & Management
Office of Air, Rail & Transit

700 East Broadway Avenue
Pierre, South Dakota 57501-2586
OFFICE: 605/773-3574
FAX: 605/773-2801

TO: South Dakota Aeronautics Commission

FROM: Tom Koch, Airport Inspector
Office of Aeronautics

DATE: October 19, 2016

SUBJECT: Aeronautics Commission Meeting, October 25, 2016
2017 Airport License Approval

Provided below is a list of the airports that have been inspected by this office this past year to insure the airports meet the minimum requirements for public use approval. Included is a notation relative to restrictions on the license.

The Department recommends Commission approval of the 2017 public use license of the following airports with the restrictions as noted and subject to the receipt of their application.

<u>AIRPORT</u>	<u>RESTRICTION</u>
1 Aberdeen Regional Airport	None
2 Arlington Municipal Airport	None
3 Belle Fourche Municipal Airport	None
4 Bison Municipal Airport	None
5 Britton Municipal Airport	None
6 Brookings Municipal Airport	None
7 Buffalo - Harding County Airport	None
8 Canton Municipal Airport	None
9 Chamberlain Municipal Airport	None
10 Clark County Airport	None
11 Clear Lake Municipal Airport	None
12 Corsica Municipal Airport	None

13	Custer County Airport	None
14	Custer State Park - Fairburn	None
15	DeSmet - Wilder Field	None
16	Cheyenne Eagle Butte Airport	None
17	Edgemont Municipal Airport	None
18	Eureka Municipal Airport	None
19	Faith Municipal Airport	None
20	Faulkton Municipal Airport	None
21	Flandreau Municipal Airport	None
22	Gettysburg Municipal Airport	None
23	Gregory Municipal Airport (Flynn Field)	None
24	Herreid Municipal Airport	Daylight Use Only
25	Highmore Municipal Airport	None
26	Hot Springs Municipal Airport	None
27	Hoven Municipal Airport	None
28	Howard Municipal Airport	None
29	Huron Regional Airport	None
30	Isabel Municipal Airport	Daylight Use Only
31	Kadoka Municipal Airport	None
32	Kimball Municipal Airport	Daylight Use Only
33	Lake Andes Municipal Airport	Daylight Use Only
34	Lake Preston Municipal Airport	None
35	Lemmon Municipal Airport	None
36	Madison Municipal Airport	None
37	Martin Municipal Airport	None
38	McLaughlin Municipal Airport	None
39	Milbank Municipal Airport	None
40	Miller Municipal Airport	None
41	Mitchell Municipal Airport	None
42	Mobridge Municipal Airport	None
43	Murdo Municipal Airport	None
44	Onida Municipal Airport	None
45	Parkston Municipal Airport	None
46	Philip Municipal Airport	None
47	Pierre Regional Airport	None
48	Pine Ridge - Oglala Sioux Airport	None
49	Platte Municipal Airport	None
50	Presho Municipal Airport	None
51	Rapid City Regional Airport	None
52	Redfield Municipal Airport	None
53	Rosebud Sioux Tribal Airport	None
54	Sioux Falls - Joe Foss Field	None
55	Sisseton Municipal Airport	None
56	Spearfish - Black Hills/Clyde Ice Field	None
57	Springfield Municipal Airport	None

58	Sturgis Municipal Airport	None
59	Tea - Marv Skie/Great Planes Airport	None
60	Timber Lake Municipal Airport	None
61	Vermillion - Harold Davidson Field	None
62	Wagner Municipal Airport	None
63	Wall Municipal Airport	None
64	Watertown Municipal Airport	None
65	Webster - Sigurd Anderson Airport	None
66	Wessington Springs Municipal Airport	None
67	White River Municipal Airport	None
68	Winner - Bob Wiley Field	None
69	Yankton - Chan Gurney Municipal Airport	None

FY2016 AIP Grants - South Dakota

Location	Project Descr	Entitlement	Discretionary	Apportionment	Total Federal	State Match
Aberdeen, SD	Construct Runway	\$1,003,201.00	\$5,071,799.00		\$6,075,000.00	\$303,750.00
Belle Fourche, SD	Construct Fuel Farm	\$435,759.00	\$0.00		\$435,759.00	\$21,787.95
Brookings, SD	Rehabilitate Runway	\$81,000.00	\$0.00		\$81,000.00	\$4,050.00
Canton, SD	Install Perimeter Fencing	\$82,563.00	\$0.00		\$82,563.00	\$4,128.15
Clark, SD	Update Airport Master Plan Study	\$153,000.00	\$0.00		\$153,000.00	\$7,650.00
Custer, SD	Rehabilitate Apron	\$60,000.00	\$0.00		\$60,000.00	\$3,000.00
De Smet, SD	Install Perimeter Fencing	\$25,000.00	\$0.00		\$25,000.00	\$1,250.00
De Smet, SD	Improve Access Road	\$303,500.00	\$0.00		\$303,500.00	\$15,175.00
Faith, SD	Construct Fuel Farm	\$289,800.00	\$0.00		\$289,800.00	\$14,490.00
Flandreau, SD	Update Airport Master Plan Study	\$150,000.00	\$0.00	\$3,000.00	\$153,000.00	\$7,650.00
Gregory, SD	Expand Apron	\$27,000.00	\$0.00		\$27,000.00	\$1,350.00
Highmore, SD	Construct Taxiway	\$506,339.00	\$0.00	\$242,361.00	\$748,700.00	\$37,435.00
Hot Springs, SD	Construct Taxiway	\$994,174.00	\$0.00	\$673,724.00	\$994,174.00	\$49,708.70
Huron, SD	Update Airport Master Plan Study	\$150,000.00	\$0.00	\$111,000.00	\$261,000.00	\$13,050.00
Madison, SD	Environmental Mitigation	\$476,021.00	\$0.00	\$601,889.00	\$1,077,910.00	\$53,895.50
Martin, SD	Install Perimeter Fencing	\$46,000.00	\$0.00		\$46,000.00	\$2,300.00
Miller, SD	Rehabilitate Apron	\$409,500.00	\$0.00		\$409,500.00	\$20,475.00
Onida, SD	Rehabilitate Taxiway	\$50,000.00	\$0.00		\$50,000.00	\$2,500.00
Onida, SD	Extend Taxiway	\$156,000.00	\$0.00		\$156,000.00	\$7,800.00
Onida, SD	Widen Taxiway	\$100,000.00	\$0.00		\$100,000.00	\$5,000.00
Parkston, SD	Construct Taxiway	\$243,947.00	\$0.00	\$79,132.00	\$323,079.00	\$16,153.95
Parkston, SD	Construct Parking Lot	\$36,000.00	\$0.00		\$36,000.00	\$1,800.00
Parkston, SD	Construct Apron	\$120,000.00	\$0.00		\$120,000.00	\$6,000.00
Pierre, SD	Rehabilitate Apron	\$88,335.00	\$0.00		\$88,335.00	\$4,416.75
Pierre, SD	Rehabilitate Runway	\$498,165.00	\$0.00		\$498,165.00	\$24,908.25
Pierre, SD	Rehabilitate Taxiway	\$70,500.00	\$0.00		\$70,500.00	\$3,525.00
Pierre, SD	Construct Aircraft Rescue & Fire Fighting Building	\$157,757.00	\$2,022,243.00		\$2,180,000.00	\$109,000.00
Pierre, SD	Update Airport Master Plan Study	\$0.00	\$745,000.00		\$745,000.00	\$37,250.00
Pine Ridge, SD	Expand Apron	\$592,000.00	\$0.00		\$592,000.00	\$29,600.00
Platte, SD	Rehabilitate Taxiway	\$89,033.00	\$0.00	\$160,059.00	\$249,092.00	\$12,454.60
Platte, SD	Rehabilitate Runway	\$1,676,908.00	\$0.00		\$1,676,908.00	\$83,845.40
Rapid City, SD	Rehabilitate Apron	\$2,250,000.00	\$0.00		\$2,250,000.00	\$112,500.00
Rapid City, SD	Acquire Snow Removal Equipment	\$344,944.00	\$0.00		\$344,944.00	\$17,247.20
Rapid City, SD	Rehabilitate Terminal Building	\$182,000.00	\$0.00		\$182,000.00	\$9,100.00
Redfield, SD	Wildlife Hazard Assessments	\$10,710.00	\$0.00		\$10,710.00	\$535.50
Redfield, SD	Construct Runway	\$454,290.00	\$57,000.00		\$511,290.00	\$25,564.50
Redfield, SD	Update Airport Master Plan Study	\$135,000.00	\$0.00		\$135,000.00	\$6,750.00
Sioux Falls, SD	Rehabilitate Taxiway	\$675,000.00	\$0.00		\$675,000.00	\$33,750.00
Sioux Falls, SD	Rehabilitate Runway	\$2,934,163.00	\$3,439,072.00		\$6,373,235.00	\$318,661.75
Sisseton, SD	Environmental Mitigation	\$31,500.00	\$0.00		\$31,500.00	\$1,575.00
Sturgis, SD	Rehabilitate Apron	\$122,992.00	\$0.00		\$122,992.00	\$6,149.60
Tea, SD	Rehabilitate Taxiway	\$692,287.00	\$0.00	\$250,900.00	\$943,187.00	\$47,159.35
Wagner, SD	Rehabilitate Taxiway, runway, RPZ easement	\$427,500.00	\$0.00		\$427,500.00	\$21,375.00
Wall, SD	Update Airport Master Plan Study	\$295,000.00	\$0.00		\$295,000.00	\$14,750.00
Watertown, SD	Rehabilitate Runway	\$551,868.00	\$6,723,307.00	\$599,825.00	\$7,875,000.00	\$393,750.00
Winner, SD	Expand Apron	\$36,900.00	\$0.00		\$36,900.00	\$1,845.00
		\$18,215,656.00	\$18,058,421.00	\$2,721,890.00	\$38,322,243.00	\$1,916,112.15
		Entitlement	Discretionary	State Appor.	Total Federal	State match



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: October 18, 2016
SUBJECT: Financial Assistance Agreements

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

Belle Fourche 3-46-0072-011-2016

Design and construct fuel system with pump island, dispenser pumps, piping, electrical connections, 20' x 30' concrete pad and card reader.

Federal Share	\$ 435,759.00
State Share	\$ 24,208.83
Local Share	\$ 24,208.84
Total	\$ 484,177.28

The Department recommends approval of state assistance in the amount of \$24,209.00.

Pierre 3-46-0044-036-2016

Design and construct aircraft rescue and fire-fighting building expansion.

Federal Share	\$ 2,180,000.00
State Share	\$ 121,111.11
Local Share	\$ 121,111.11
Total	\$ 2,422,222.22

The Department recommends approval of state assistance in the amount of \$121,111.11.

Rapid City 3-46-0048-048-2016

Reconstruction of the old terminal apron. Pavement rehab and expansion of commercial service apron; SRE procurement; preliminary geotechnical testing; AGIS 18B as-built surveys.

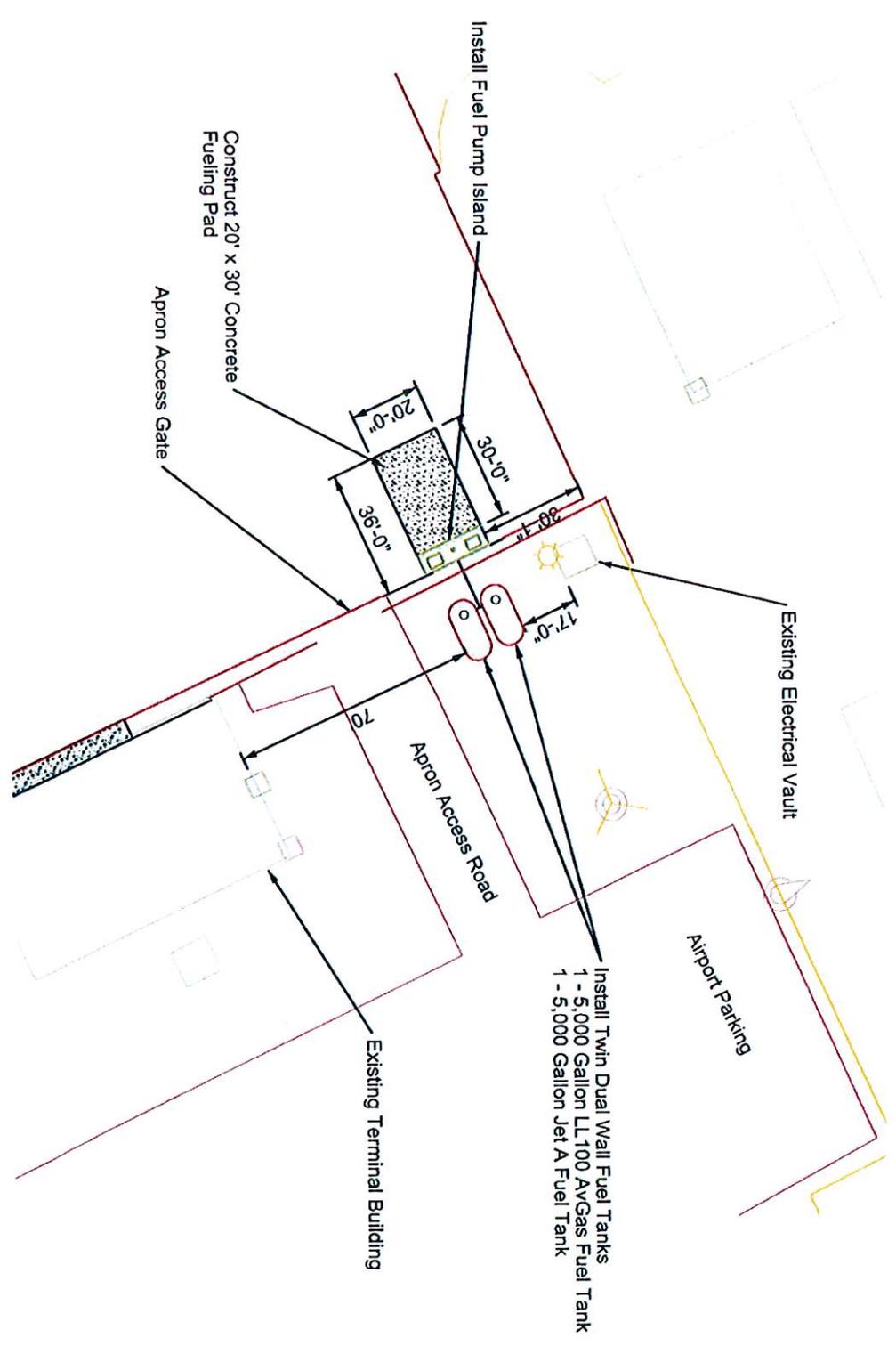
Federal Share	\$ 2,776,944.00
State Share	\$ 154,275.00
Local Share	\$ 603,056.86
Total	\$ 3,534,275.53

The Department recommends approval of state assistance in the amount of \$154,275.00.

Project Cost Breakdown
Belle Fourche Municipal Airport
New Fuel System
AIP 3-46-0006-011-2016

PROJECT DESCRIPTION	CONSTRUCTION COST	ENGINEERING COST	FEDERAL	STATE	LOCAL
New Fuel System	\$ 410,023.00		\$ 369,020.70	\$ 20,501.15	\$ 20,501.15
Design Engineering		\$ 47,648.48	\$ 42,883.63	\$ 2,382.42	\$ 2,382.42
Construction Administration		\$ 11,359.63	\$ 10,223.67	\$ 567.98	\$ 567.98
Resident Engineering Inspection		\$ 15,146.18	\$ 13,631.56	\$ 757.31	\$ 757.31
TOTAL	\$ 410,023.00	\$ 74,154.29	\$ 435,759.56	\$ 24,208.86	\$ 24,208.86

AVAILABLE CARRYOVER G.A. ENTITLEMENTS	\$341,799.00
PROJECTED 2016 G.A. ENTITLEMENT	\$150,000.00
TOTAL G.A. ENTITLEMENT AVAILABLE FOR 2016	\$491,799.00



SHEET DESCRIPTION: Proposed Layout

PROJECT NAME: Belle Fourche Airport Fuel System

PROJECT NO.: S15-S723

REVISION	DATE
	xx/xx/xx

DESIGNED BY: JTH
 DRAWN BY: JTH
 DATE PRINTED: 5-18-16

Belle Fourche Municipal Airport

Belle Fourche, South Dakota

Grant Number 3-46-0006-011-2016

2016 Revenue Generating Fuel System Project

The City of Belle Fourche is requesting consideration for a project to complete a revenue generating fueling system with credit card reader.

The new system would include two 5,000 gallon below ground tanks (see Sketch). Above ground would be a fueling island with a dispenser pump for each fuel type and an automatic card reader.

The fuel pump island would be located to the edge of the existing apron to allow for a 20'x30' concrete fueling pad to be constructed where the existing fuel pump island is located.

The new fuel system will allow the airport manager greater flexibility to provide LL100 Fuel and Jet A Fuel to the airport users, both fixed base and transient. The airport users would have the ability of fueling and paying using the automated credit card reader 24 hours per day/7 days per year.

A CATEX and Business Plan was submitted to the Bismarck ADO on November 11, 2015. The approved CATEX was received on November 16, 2015.

To date, no AIP funds have been spent on the project. It is estimated that to complete the new fuel system, approximately \$435,759.56 in AIP funds will be needed.

Projected Belle Fourche Federal Entitlements will be in the amount of \$491,799.00 in FY2016 and are estimated as adequate for the 2016 project.

All runway, apron and exit taxiway pavement needs have been met for a three year period at the Belle Fourche Municipal Airport.

Future needs do exist for a new Hangar Taxiway in accordance with the active ALP. There will be two larger hangars built within the footprint of the existing hangar layout within the next year or two. Design and planning of the new taxiway is planned for 2017 with construction to be scheduled for 2018.

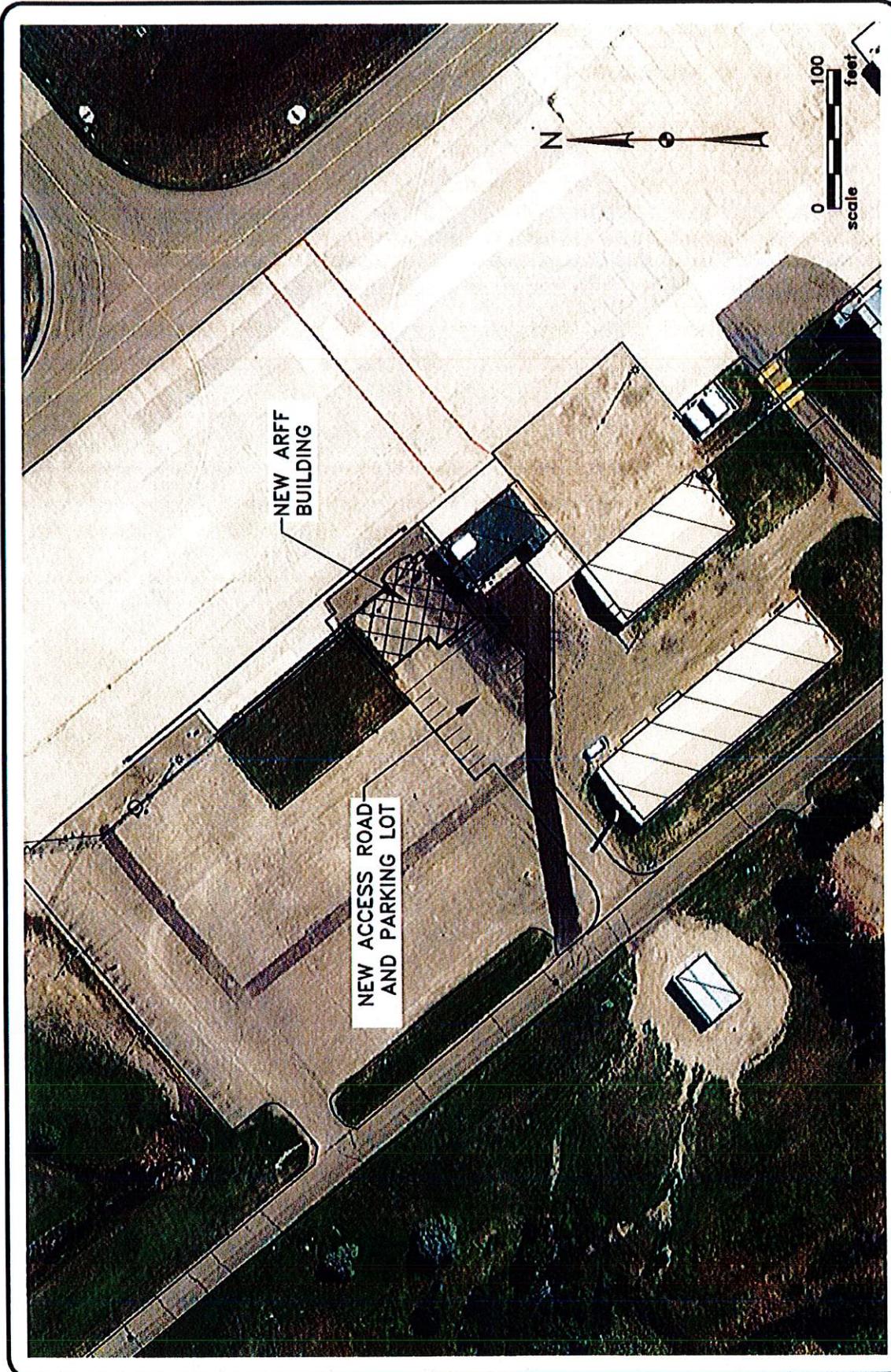
Belle Fourche Municipal Airport - New Fuel System
 Bid Tabs - 8/16/16

Item No.	Description	Unit	Quantity	Engineers Estimate		EKE Inc. dba Johner & Sons	
				Unit Cost	Total Cost	Unit Cost	Total Cost
1	Mobilization	Lump Sum	1	\$ 20,000.00	\$ 20,000.00	\$ 37,500.00	\$ 37,500.00
2	Remove Asphalt Concrete	SqYd	80	\$ 40.00	\$ 3,200.00	\$ 30.00	\$ 2,400.00
3	Subbase Preparation	SqYd	80	\$ 10.00	\$ 800.00	\$ 30.00	\$ 2,400.00
4	Remove & Reset Chain Link Fence	Ft	20.0	\$ 45.00	\$ 900.00	\$ 100.00	\$ 2,000.00
5	6" Reinforced Concrete Fuel Island	SqYd	13.3	\$ 120.00	\$ 1,599.60	\$ 600.00	\$ 7,998.00
6	8" Reinforced Concrete Fuel Pad	SqYd	66.7	\$ 100.00	\$ 6,670.00	\$ 250.00	\$ 16,675.00
7	Seeding	Acre	0.1	\$ 1,500.00	\$ 150.00	\$ 5,000.00	\$ 500.00
8	Topsoiling	CuYd	12	\$ 20.00	\$ 240.00	\$ 100.00	\$ 1,200.00
9	Fiber Mulching	Acre	0.1	\$ 2,000.00	\$ 200.00	\$ 5,000.00	\$ 500.00
10	9" Erosion Control Wattles	Ft	120	\$ 6.50	\$ 780.00	\$ 7.50	\$ 900.00
11	AvGas and Jet A Fueling System Complete	Lump Sum	1.0	#####	\$ 313,000.00	\$ 335,000.00	\$ 335,000.00
12	Safety Plan	Lump Sum	1	\$ 2,500.00	\$ 2,500.00	\$ 2,950.00	\$ 2,950.00
Non-Participating Items							
NP1	Remove Fueling System	Lump Sum	1.0	\$ 35,000.00	\$ 35,000.00	\$ 37,000.00	\$ 37,000.00
NP2	Remove Contaminated Material	CuYd	150.0	\$ 34.00	\$ 5,100.00	\$ 50.00	\$ 7,500.00
Total Bid					\$ 390,139.60		\$ 454,523.00

As-Checked Low Bidder - EKE Inc. dba Johner & Sons

**PIERRE REGIONAL AIRPORT 036-2016 GRANT
COST SUMMARY**

Construction	
ARFF Building.....	\$ 1,971,003.81
Consulting Services	
ARFF Building	
Design and Bidding Negotiations.....	\$ 190,635.39
Construction Observation/ Construction	
Administration	\$ 232,153.88
Closeout Documentation.....	\$ 9,964.80
Material Testing Services	
ARFF Building	\$ 10,000.00
Administration	
Administration, Legal, Advertising, etc.	\$ 8,464.34
TOTAL	\$2,422,222.22



DRAFTED BY: GCH
REVIEWED BY: RAS
PROJECT NO: 10516102
REVISED DATE: 8/11/2016

PIERRE REGIONAL AIRPORT
AIRCRAFT RESCUE AND FIRE FIGHTING BUILDING
AND ASSOCIATED SITE IMPROVEMENTS



© KLJ 2016

Aug 11, 2016 - 1:23pm - P:\Airport\SD\Pierre\Projects\10516102\CADD\Plan\10516102_CSP.dwg (PWD)

AIP 3-46-0044-036-2016
PRE-CONSTRUCTION PHOTOGRAPHS



Figure 1. Existing ARFF Building



Figure 2. Proposed site northwest of existing ARFF Building

**TABULATION OF BIDS
PIERRE REGIONAL AIRPORT
AIP 3 AS 044 034 2016
AIRCRAFT RESCUE AND FIRE FIGHTING BUILDING AND ASSOCIATED SITE IMPROVEMENTS**



Bid Listing: August 17, 2016
Comp. No. 10154592
Checked by: Bud Ross

ITEM	UNIT DESCRIPTION	QUANTITY	UNIT	Engineer's Estimate		Stages Enterprises, Inc. Park Place, SD		Auto Deposition Meadow, SD		First Omega Enterprises, Inc. Pierre, SD		Heartland Construction Right Pierre, SD		Summit Contracting, Inc. Pierre, SD		Dean Kutz Construction Rapid City, SD			
				UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM		
Schedule 1																			
Aircraft Rescue and Fire Fighting Building																			
1	1000' Lighting	1	L.S.	\$4,300,000.00	\$4,300,000.00	\$1,275,000.00	\$1,275,000.00	\$1,808,500.00	\$1,808,500.00	\$1,900,000.00	\$1,900,000.00	\$1,400,000.00	\$1,400,000.00	\$1,970,000.00	\$1,970,000.00	\$2,140,000.00	\$2,140,000.00	\$2,140,000.00	
TOTAL BID SCHEDULE 1				\$4,300,000.00	\$4,300,000.00	\$1,275,000.00	\$1,275,000.00	\$1,808,500.00	\$1,808,500.00	\$1,900,000.00	\$1,900,000.00	\$1,400,000.00	\$1,400,000.00	\$1,970,000.00	\$1,970,000.00	\$2,140,000.00	\$2,140,000.00	\$2,140,000.00	
Schedule 2																			
Site Improvements																			
1	Remove & Dispose of Bituminous Pavement Full Depth	2,145	S.Y.	\$5.00	\$10,725.00	\$2.75	\$5,900.00	\$3.00	\$6,435.00	\$2.75	\$5,900.00	\$3.00	\$6,435.00	\$3.00	\$6,435.00	\$3.00	\$6,435.00	\$3.00	\$6,435.00
2	Remove and Dispose of Concrete Pavement Full Depth	11	S.Y.	\$30.00	\$330.00	\$30.00	\$330.00	\$30.00	\$330.00	\$30.00	\$330.00	\$30.00	\$330.00	\$30.00	\$330.00	\$30.00	\$330.00	\$30.00	\$330.00
3	Removal of Reinforcing Iron	500	L.F.	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00
4	Removal of Walk-Through Gate	1	Each	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	
5	Remove & Salvage Light Standard & Remove & Dispose of Concrete Foundation	1	Each	\$2,500.00	\$2,500.00	\$400.00	\$400.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	
6	Remove Electrical Controls	10	L.F.	\$0.00	\$0.00	\$5.00	\$50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
7	Remove Electrical Cabinet	10	L.F.	\$0.00	\$0.00	\$25.00	\$250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	Excavation/Excavation	100	C.Y.	\$13.00	\$1,300.00	\$4.00	\$400.00	\$13.00	\$1,300.00	\$13.00	\$1,300.00	\$13.00	\$1,300.00	\$13.00	\$1,300.00	\$13.00	\$1,300.00	\$13.00	\$1,300.00
9	Aggregate Base Course	124	C.Y.	\$30.00	\$3,720.00	\$44.00	\$5,456.00	\$40.00	\$4,960.00	\$40.00	\$4,960.00	\$40.00	\$4,960.00	\$40.00	\$4,960.00	\$40.00	\$4,960.00	\$40.00	\$4,960.00
10	Hot Mix Asphalt Pavement	45	S.F.	\$20.00	\$900.00	\$40.00	\$1,800.00	\$20.00	\$900.00	\$20.00	\$900.00	\$20.00	\$900.00	\$20.00	\$900.00	\$20.00	\$900.00	\$20.00	\$900.00
11	4 inch Portland Cement Concrete Pavement	1,131	S.F.	\$65.00	\$73,515.00	\$45.00	\$50,895.00	\$75.00	\$84,825.00	\$75.00	\$84,825.00	\$75.00	\$84,825.00	\$75.00	\$84,825.00	\$75.00	\$84,825.00	\$75.00	\$84,825.00
12	Joint Sealing	1,000	L.F.	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00
13	4 inch Portland Cement Concrete Base Plan	10	S.Y.	\$10.00	\$100.00	\$10.00	\$100.00	\$10.00	\$100.00	\$10.00	\$100.00	\$10.00	\$100.00	\$10.00	\$100.00	\$10.00	\$100.00	\$10.00	\$100.00
14	4 inch Portland Cement Concrete Subbase	40	S.Y.	\$45.00	\$1,800.00	\$12.00	\$480.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00
15	Pavement Markings	18	S.F.	\$4.00	\$72.00	\$10.00	\$180.00	\$4.00	\$72.00	\$4.00	\$72.00	\$4.00	\$72.00	\$4.00	\$72.00	\$4.00	\$72.00	\$4.00	\$72.00
16	Asphalt Fence	20	L.F.	\$20.00	\$400.00	\$14.00	\$280.00	\$20.00	\$400.00	\$20.00	\$400.00	\$20.00	\$400.00	\$20.00	\$400.00	\$20.00	\$400.00	\$20.00	\$400.00
17	4 inch PVC Water Service	20	L.F.	\$40.00	\$800.00	\$20.00	\$400.00	\$40.00	\$800.00	\$40.00	\$800.00	\$40.00	\$800.00	\$40.00	\$800.00	\$40.00	\$800.00	\$40.00	\$800.00
18	4 inch Gate Valve & Box	1	Each	\$700.00	\$700.00	\$200.00	\$200.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	
19	4 inch Jack 90° Tee	1	Each	\$700.00	\$700.00	\$200.00	\$200.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	\$700.00	
20	4 inch 22.5 Degree Bend 90° Fitting	2	Each	\$270.00	\$540.00	\$120.00	\$240.00	\$270.00	\$540.00	\$270.00	\$540.00	\$270.00	\$540.00	\$270.00	\$540.00	\$270.00	\$540.00	\$270.00	\$540.00
21	4 inch PVC Sanitary Sewer Service	140	L.F.	\$45.00	\$6,300.00	\$25.00	\$3,500.00	\$45.00	\$6,300.00	\$45.00	\$6,300.00	\$45.00	\$6,300.00	\$45.00	\$6,300.00	\$45.00	\$6,300.00	\$45.00	\$6,300.00
22	6 inch of Concrete 2 inch PVC Schedule 80	500	L.F.	\$10.00	\$5,000.00	\$8.00	\$4,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$10.00	\$5,000.00
23	Rebar/Rebar Against Light on New Foundation	1	L.F.	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
24	Handicap Pavement Marking Symbol and Sign Installation	5	L.S.	\$1,000.00	\$5,000.00	\$400.00	\$2,000.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00
25	Traffic Control	1	L.S.	\$10,000.00	\$10,000.00	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
26	Installation	1	L.S.	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	
TOTAL BID SCHEDULE 2 - DIVISION 2				\$19,865.00	\$19,865.00	\$12,600.00	\$12,600.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	\$19,865.00	
Schedule 3																			
Alternative 1																			
1	Polyethylene Geotextile to Floor Heat Isolation	1	L.S.	\$40,000.00	\$40,000.00	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
TOTAL BID SCHEDULE 3 - ALTERNATE 1				\$40,000.00	\$40,000.00	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
SUMMARY OF BIDS																			
TOTAL BID - SCHEDULE 1 AND SCHEDULE 2				\$4,300,000.00	\$4,300,000.00	\$1,275,000.00	\$1,275,000.00	\$1,808,500.00	\$1,808,500.00	\$1,900,000.00	\$1,900,000.00	\$1,400,000.00	\$1,400,000.00	\$1,970,000.00	\$1,970,000.00	\$2,140,000.00	\$2,140,000.00	\$2,140,000.00	
TOTAL BID - SCHEDULE 1, 2 AND ALTERNATE 1				\$4,340,000.00	\$4,340,000.00	\$1,277,000.00	\$1,277,000.00	\$1,818,500.00	\$1,818,500.00	\$1,910,000.00	\$1,910,000.00	\$1,410,000.00	\$1,410,000.00	\$1,980,000.00	\$1,980,000.00	\$2,150,000.00	\$2,150,000.00	\$2,150,000.00	
TRUE TABULATION OF BIDS																			
KLJ																			

**RAPID CITY REGIONAL AIRPORT 048-2016 GRANT
COST SUMMARY**

Construction

GA Apron Reconstruction (Base Bid)..... \$1,867,960.49
 Commercial Apron Rehabilitation / Expansion.....\$ 744,050.51
 Anticipated Change Order Apron Repair Work Reduction... (\$ 240,547.50)

SRE Procurement

Wheel Loader..... \$ 394,800.00

Consulting Services

GA Apron Reconstruction and Commercial Apron
 Rehabilitation / Expansion
 Construction Observation / Construction
 Administration..... \$ 242,302.63
 AGIS 18B As Built Survey..... \$ 27,863.60
 Preliminary Geotechnical Services..... \$ 4,670.00
 Construction Geotechnical Services.....\$ 16,497.00

Terminal Study - Baggage System, Escalators and
 And Sanitary Sewer Study..... \$ 216,412.26

SRE Procurement..... \$ 24,386.04

Administration

Administration, Legal, Advertising, etc.\$ 11,057.47

TOTAL \$ 3,309,452.50

Available (\$2,776,944.08 Federal) \$3,085,493.42

State Share (5% of available Federal Funds)\$ 154,274.67

Federal Share.....\$2,776,944.08

Local Share (11.4% of total project)\$ 378,233.75

AIP 3-46-0048-048-2016
PRE-CONSTRUCTION PHOTOGRAPHS



Figure 1. Old Terminal Apron - Areas of cracking and delamination.



Figure 2. Old Terminal Apron - Area of random cracking

AIP 3-46-0048-048-2016
PRE-CONSTRUCTION PHOTOGRAPHS



Figure 3. Commercial Service Apron - Area of previous repair failure and FOD generation



Figure 4. Commercial Service Apron - Area of joint failure

AIP 3-46-0048-048-2016
PRE-CONSTRUCTION PHOTOGRAPHS



Figure 5. Commercial Service Apron - Area of joint failure

TABULATION OF BIDS
RAPID CITY REGIONAL AIRPORT
AIP 3-46-0048-048-2016



OLD TERMINAL APRON RECONSTRUCTION AND COMMERCIAL APRON REHABILITATION AND EXPANSION

Bid Letting: July 7, 2016

Comp. No. 10515107

Checked by:

				Engineer's Estimate		Heavy Constructors, Inc. Rapid City, SD		Complete Concrete, Inc. Rapid City, SD	
ITEM	UNIT DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM
	Schedule 1--Civil Construction Schedule 1--Division 1 Old Terminal Apron Reconstruction - Phase 1								
1	Remove & Dispose of Concrete Pavement	6,933.0	S.Y.	\$10.00	\$69,330.00	\$13.56	\$94,011.48	\$10.50	\$72,796.50
2	Unclassified Excavation	2,671	C.Y.	\$10.00	\$26,710.00	\$27.20	\$72,651.20	\$18.50	\$49,413.50
3	Water	65	Mgal.	\$70.00	\$4,550.00	\$119.31	\$7,755.15	\$11.50	\$747.50
4	Subbase Course	756	C.Y.	\$40.00	\$30,240.00	\$74.07	\$55,996.92	\$78.00	\$58,968.00
5	Crushed Aggregate Base Course	1,346	C.Y.	\$60.00	\$80,760.00	\$74.20	\$99,873.20	\$85.00	\$114,410.00
6	Geotextile Fabric	7,032	S.Y.	\$3.00	\$21,096.00	\$2.25	\$15,822.00	\$5.00	\$35,160.00
7	Hot Mix Asphalt (HMA) Stabilized Base Course	800	Ton	\$150.00	\$120,000.00	\$220.23	\$176,184.00	\$260.00	\$208,000.00
8	11-inch PCC Pavement (Non-Reinforced unless shown)	3,552	S.Y.	\$90.00	\$319,680.00	\$110.34	\$391,927.68	\$82.00	\$291,264.00
9	15-inch PCC Pavement (Non-Reinforced unless shown)	3,404	S.Y.	\$110.00	\$374,440.00	\$141.61	\$482,040.44	\$95.00	\$323,380.00
10	Joint Sealing - PCC Pavement (New)	9,525	L.F.	\$3.00	\$28,575.00	\$1.60	\$15,240.00	\$1.75	\$16,668.75
11	Runway and Taxiway Painting	496	S.F.	\$10.00	\$4,960.00	\$4.52	\$2,241.92	\$4.50	\$2,232.00
12	Aircraft Tiedowns in New Concrete Pavement	2	Ea.	\$350.00	\$700.00	\$612.50	\$1,225.00	\$200.00	\$400.00
15	24-inch Reinforced Concrete Pipe, Cl. 3	222	L.F.	\$60.00	\$13,320.00	\$92.35	\$20,501.70	\$100.00	\$22,200.00
16	4-inch Perforated PVC Underdrain Pipe with Filter Sock & Porous Material #2	508	L.F.	\$15.00	\$7,620.00	\$19.02	\$9,662.16	\$20.00	\$10,160.00
17	4-inch PVC Outlet	48	L.F.	\$10.00	\$480.00	\$2.04	\$97.92	\$40.00	\$1,920.00
18	48-inch Manhole	1	Ea.	\$7,000.00	\$7,000.00	\$7,261.90	\$7,261.90	\$8,500.00	\$8,500.00
19	Seeding	1.5	Acre	\$1,000.00	\$1,500.00	\$2,936.39	\$4,404.58	\$2,350.00	\$3,525.00
20	Topsoiling (On-Site)	306.0	C.Y.	\$5.00	\$1,530.00	\$17.02	\$5,208.12	\$35.00	\$10,710.00
21	Topsoiling (Off-Site)	310	C.Y.	\$20.00	\$6,200.00	\$35.32	\$10,949.20	\$45.00	\$13,950.00
22	Mulching	5,772	S.Y.	\$1.00	\$5,772.00	\$0.32	\$1,847.04	\$0.80	\$4,617.60
23	Long-Term Erosion Control Blanket	1,488	S.Y.	\$5.00	\$7,440.00	\$7.91	\$11,770.08	\$7.00	\$10,416.00
24	Biorolls	50	L.F.	\$5.50	\$275.00	\$6.78	\$339.00	\$7.00	\$350.00
25	Airside Traffic Control	1	L.S.	\$5,000.00	\$5,000.00	\$22,587.82	\$22,587.82	\$22,500.00	\$22,500.00
26	Mobilization	1	L.S.	\$170,512.50	\$170,512.50	\$358,361.98	\$358,361.98	\$598,650.00	\$598,650.00
TOTAL BID SCHEDULE 1--DIVISION 1:					\$1,307,690.50		\$1,867,960.49		\$1,880,938.85
TOTAL BID -- SCHEDULE 1--DIVISION 1					\$1,307,690.50		\$1,867,960.49		\$1,880,938.85

TABULATION OF BIDS
 RAPID CITY REGIONAL AIRPORT
 AIP 3-46-0048-048-2016



OLD TERMINAL APRON RECONSTRUCTION AND COMMERCIAL APRON REHABILITATION AND EXPANSION

				Engineer's Estimate		Heavy Constructors, Inc. Rapid City, SD		Complete Concrete, Inc. Rapid City, SD	
	Add Alternate A Commercial Terminal Apron Rehabilitation and Expansion - Phase 2	QUANTITY	UNIT	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM
1	Remove & Dispose of Concrete Pavement (Full Depth)	186	S.Y.	\$10.00	\$1,860.00	\$76.90	\$14,303.40	\$25.00	\$4,650.00
2	Unclassified Excavation	1,080	C.Y.	\$10.00	\$10,800.00	\$18.45	\$19,926.00	\$20.00	\$21,600.00
3	Water	25	Mgal.	\$70.00	\$1,750.00	\$119.31	\$2,982.75	\$15.00	\$375.00
4	Subbase Course	371	C.Y.	\$40.00	\$14,840.00	\$82.56	\$30,629.76	\$78.00	\$28,938.00
5	Crushed Aggregate Base Course	270	C.Y.	\$60.00	\$16,200.00	\$92.51	\$24,977.70	\$85.00	\$22,950.00
6	Geotextile Fabric	1,333	S.Y.	\$3.00	\$3,999.00	\$2.25	\$2,999.25	\$5.00	\$6,665.00
7	13-inch PCC Pavement (Non-Reinforced unless shown)	1,115	S.Y.	\$100.00	\$111,500.00	\$117.09	\$130,555.35	\$120.00	\$133,800.00
8	15-inch PCC Pavement Full Depth Panel Replacement	500	S.Y.	\$250.00	\$125,000.00	\$112.02	\$56,010.00	\$195.00	\$97,500.00
9	Partial Depth Panel Repair	1,750	S.F.	\$100.00	\$175,000.00	\$105.45	\$184,537.50	\$105.00	\$183,750.00
10	Joint Sealing - PCC Pavement (New)	1,720	L.F.	\$3.00	\$5,160.00	\$1.60	\$2,752.00	\$1.75	\$3,010.00
11	Joint Sealing - Cleaning and Resealing Joints and Cracks	67,660	L.F.	\$4.50	\$304,470.00	\$1.80	\$121,788.00	\$2.00	\$135,320.00
12	Joint Sealing - Cleaning and Sealing Cracks (New)	1,354	L.F.	\$2.50	\$3,385.00	\$4.24	\$5,740.96	\$4.50	\$6,093.00
13	Runway and Taxiway Painting	21,200	S.F.	\$2.50	\$53,000.00	\$1.69	\$35,828.00	\$1.65	\$34,980.00
14	Seeding	0.1	Acre	\$2,500.00	\$250.00	\$2,936.40	\$293.64	\$2,350.00	\$235.00
15	Topsoiling (On-Site)	75	C.Y.	\$10.00	\$750.00	\$29.92	\$2,244.00	\$35.00	\$2,625.00
16	Mulching	484	S.Y.	\$2.00	\$968.00	\$0.32	\$154.88	\$0.80	\$387.20
17	Traffic Control	1	L.S.	\$10,000.00	\$10,000.00	\$16,940.72	\$16,940.72	\$16,875.00	\$16,875.00
18	Mobilization	1	L.S.	\$125,568.00	\$125,568.00	\$91,386.60	\$91,386.60	\$122,350.00	\$122,350.00
TOTAL BID ADD ALTERNATE A:					\$964,500.00		\$744,050.51		\$822,103.20
SUMMARY OF BIDS:									
TOTAL BID -- SCHEDULE 1--DIVISION 1 AND ADD ALTERNATE A					\$2,272,190.50		\$2,612,011.00		\$2,703,042.05
TRUE TABULATION OF BIDS _____ Kadrmas, Lee & Jackson									

TABULATION OF BIDS
 RAPID CITY REGIONAL AIRPORT
 AIP 3-46-0048-048-2016
 SRE PROCUREMENT - SNOW REMOVAL WHEEL LOADER



Bid Letting: July 20, 2016
 Comp. No. 10516105
 Checked by: Rod Senn

				Engineer's Estimate		RDO Equipment, Inc. Rapid City, SD		Butler Machinery, Inc. Rapid City, SD	
ITEM	UNIT DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM	UNIT PRICE	TOTAL SUM
	Base Bid								
1	Snow Removal Wheel Loader	1.0	L.S.	\$450,000.00	\$450,000.00	\$394,800.00	\$394,800.00	\$444,000.00	\$444,000.00
TOTAL BID - BASE BID:					\$450,000.00		\$394,800.00		\$444,000.00

TRUE TABULATION OF BIDS _____
 Kadrmas, Lee & Jackson