

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: Jack Dokken, Program Manager
 Office of Air, Rail, and Transit

DATE: June 20, 2017

SUBJECT: Financial Assistance Agreements

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

Brookings 3-46-0005-029-2017

Reconstruction of runway 17/35 (1700' X 60')

| | |
|---------------|-------------------|
| Federal Share | \$ 810,000.00 |
| State Share | \$ 45,000.00 |
| Local Share | \$ 45,000.00 |
| Total | \$ 900,000.00 |

The Department recommends approval of state assistance in the amount of \$45,000.00.

Gregory 3-46-0018-014-2017

Construction of apron expansion, including admin, engineering and testing.

| | |
|---------------|-------------------|
| Federal Share | \$ 297,000.00 |
| State Share | \$ 16,500.00 |
| Local Share | \$ 16,500.00 |
| Total | \$ 330,000.00 |

The Department recommends approval of state assistance in the amount of \$16,500.00.

Huron 3-46-0022-035-2017

Repair shoulders on runway 12/30, replace taxiway A, building removal and reclamation, RPZ grading for mitigated wetland removal.

| | |
|---------------|---------------------|
| Federal Share | \$3,521,012.00 |
| State Share | \$ 195,612.00 |
| Local Share | \$ 195,612.00 |
| Total | \$ 3,912,236.00 |

The Department recommends approval of state assistance in the amount of \$195,612.00.

Madison 3-46-0029-014-2017

Design for parallel taxiway and medium intensity taxiway lighting (7200 SY)

| | |
|---------------|------------------|
| Federal Share | \$ 68,400.00 |
| State Share | \$ 3,800.00 |
| Local Share | \$ 3,800.00 |
| Total | \$ 76,000.00 |

The Department recommends approval of state assistance in the amount of \$3,800.00.

Parkston 3-46-0042-012-2017

Land appraisal and acquisition for hangar area expansion (11 acres).

| | |
|---------------|-------------------|
| Federal Share | \$ 144,000.00 |
| State Share | \$ 8,000.00 |
| Local Share | \$ 8,000.00 |
| Total | \$ 160,000.00 |

The Department recommends approval of state assistance in the amount of \$8,000.00.

Watertown 3-46-0058-031-2017

Planning document for Airport compliance; ADA access improvements at terminal building.

| | |
|---------------|-------------------|
| Federal Share | \$ 99,000.00 |
| State Share | \$ 5,500.00 |
| Local Share | \$ 5,500.00 |
| Total | \$ 110,000.00 |

The Department recommends approval of state assistance in the amount of \$5,500.00.

Webster 3-46-0059-009-2017

Reconstruction of runway 12/30, including engineering and testing for runway, apron and connector reconstruction.

| | |
|---------------|---------------------|
| Federal Share | \$ 1,998,000.00 |
| State Share | \$ 111,000.00 |
| Local Share | \$ 111,000.00 |
| Total | \$ 2,220,000.00 |

The Department recommends approval of state assistance in the amount of \$111,000.00.

Winner 3-46-0061-015-2017

Construction of apron expansion, including engineering, admin and testing.

| | |
|---------------|-------------------|
| Federal Share | \$ 436,500.00 |
| State Share | \$ 24,250.00 |
| Local Share | \$ 24,250.00 |
| Total | \$ 485,000.00 |

The Department recommends approval of state assistance in the amount of \$24,250.00.

Project Narrative (Justification)

Construction 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.

RUNWAY 1735 IMPROVEMENTS
 BROOKINGS REGIONAL AIRPORT
 BROOKINGS, SOUTH DAKOTA
 AIP #3-46-0005-029-2017

A-6333

BID TABULATION

5/9/2017

| Item # | Spec # | Item Description | Quantity | Unit | Midland Contracting, Inc. Huron, SD | | Bowes Construction, Inc. Brookings, SD | | Duinick, Inc. Prinsburg, MN | |
|--------|-------------|---|----------|------|--|--------------|---|--------------|--------------------------------|--------------|
| | | | | | Unit Price | Total Price | Unit Price | Total Price | Unit Price | Total Price |
| 1 | GP-105 | Mobilization | 1 | L.S. | \$109,500.00 | \$109,500.00 | \$80,000.00 | \$80,000.00 | \$220,000.00 | \$220,000.00 |
| 2 | GP-50 | Construction Staking | 1 | L.S. | \$10,000.00 | \$10,000.00 | \$12,500.00 | \$12,500.00 | \$9,000.00 | \$9,000.00 |
| 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$17,007.00 | \$17,007.00 | \$20,000.00 | \$20,000.00 | \$19,507.00 | \$19,507.00 |
| 4 | P-101 | Asphalt Pavement Removal (5.5" Nominal Depth) | 143 | SqYd | \$3.00 | \$429.00 | \$5.00 | \$715.00 | \$3.00 | \$429.00 |
| 5 | P-152 | Unclassified Excavation | 12,997 | CuYd | \$2.50 | \$32,492.50 | \$2.50 | \$32,492.50 | \$4.00 | \$51,988.00 |
| 6 | P-152 | Disposal of Excess Material | 2,225 | CuYd | \$1.00 | \$2,225.00 | \$6.00 | \$13,350.00 | \$4.00 | \$8,900.00 |
| 7 | P-154 | Subbase Course | 6,211 | CuYd | \$14.00 | \$86,954.00 | \$15.00 | \$93,165.00 | \$20.00 | \$124,220.00 |
| 8 | P-208 (MOD) | Aggregate Base Course | 1,923 | CuYd | \$20.00 | \$38,460.00 | \$22.00 | \$42,306.00 | \$23.02 | \$44,267.46 |
| 9 | P-401 | Bituminous Base/Surface Course | 2,644.0 | Ton | \$58.85 | \$155,599.40 | \$38.00 | \$100,472.00 | \$130.00 | \$343,720.00 |
| 10 | P-401 | Bituminous Binder (PG 64-34) | 185.0 | Ton | \$525.00 | \$97,125.00 | \$525.00 | \$97,125.00 | \$670.00 | \$123,950.00 |
| 11 | P-602 | Bituminous Prime Coat | 15.0 | Ton | \$750.00 | \$11,250.00 | \$700.00 | \$10,500.00 | \$504.32 | \$7,564.80 |
| 12 | P-603 | Bituminous Tack Coat | 6.0 | Ton | \$850.00 | \$5,100.00 | \$700.00 | \$4,200.00 | \$504.32 | \$3,025.92 |
| 13 | P-620 | Runway and Taxiway Marking | 1 | L.S. | \$12,975.00 | \$12,975.00 | \$15,000.00 | \$15,000.00 | \$12,975.00 | \$12,975.00 |
| 14 | D-705 (MOD) | 6" Perforated Underdrain | 3,304 | Ft | \$7.00 | \$23,128.00 | \$13.00 | \$42,952.00 | \$13.44 | \$44,405.76 |
| 15 | D-705 (MOD) | 6" Underdrain Cleanout | 8 | Each | \$200.00 | \$1,600.00 | \$200.00 | \$1,600.00 | \$665.00 | \$5,320.00 |
| 16 | D-705 (MOD) | Connect Underdrain to Existing Cleanout | 2 | Each | \$250.00 | \$500.00 | \$100.00 | \$200.00 | \$500.00 | \$1,000.00 |
| 17 | T-901 | Seeding and Fertilizing | 4.0 | Acre | \$1,000.00 | \$4,000.00 | \$966.00 | \$3,864.00 | \$850.00 | \$3,400.00 |
| 18 | T-905 | Topsoiling | 2,398 | CuYd | \$2.25 | \$5,395.50 | \$4.25 | \$10,191.50 | \$3.50 | \$8,393.00 |
| 19 | TL-100 | Field Laboratory, Type I | 1 | Each | \$5,000.00 | \$5,000.00 | \$7,500.00 | \$7,500.00 | \$2,400.00 | \$2,400.00 |
| 20 | SP-1 | Full Depth Reclamation (12" Nominal Depth) | 11,174 | SqYd | \$1.58 | \$17,654.92 | \$1.00 | \$11,174.00 | \$1.15 | \$12,850.10 |
| 21 | SP-1 | Remove and Relay Blended Material (12" Nominal Depth) | 11,546 | SqYd | \$1.75 | \$20,205.50 | \$4.50 | \$51,957.00 | \$6.00 | \$69,276.00 |
| 22 | SP-2 | Geogrid | 2,000 | SqYd | \$2.25 | \$4,500.00 | \$2.75 | \$5,500.00 | \$2.42 | \$4,840.00 |
| 23 | SP-3 | Geotextile Separator Fabric | 12,290 | SqYd | \$1.20 | \$14,748.00 | \$1.75 | \$21,507.50 | \$1.88 | \$23,105.20 |
| 24 | L-108 | #6 Bare Counterpoise direct bury | 3,430 | Ft | \$3.30 | \$11,319.00 | \$3.75 | \$12,862.50 | \$3.30 | \$11,319.00 |
| 25 | L-108 | Reconnect Counterpoise Circuit | 2 | Each | \$55.00 | \$110.00 | \$62.50 | \$125.00 | \$55.00 | \$110.00 |
| 26 | Plans | ReflectORIZED Taxiway Ending Marker | 1 | Each | \$1,665.00 | \$1,665.00 | \$1,895.00 | \$1,895.00 | \$1,665.00 | \$1,665.00 |
| 27 | Plans | Remove and Salvage Vegetation Control Ring | 24 | Each | \$13.00 | \$312.00 | \$15.00 | \$360.00 | \$13.00 | \$312.00 |
| 28 | Plans | Reset Salvaged Vegetation Control Ring | 24 | Each | \$13.00 | \$312.00 | \$15.00 | \$360.00 | \$13.00 | \$312.00 |
| 29 | Plans | Raise Base Mount Runway / Taxiway Light (±1") | 4 | Each | \$175.00 | \$700.00 | \$200.00 | \$800.00 | \$175.00 | \$700.00 |

| Base Bid | | Midland Contracting, Inc. Huron, SD | | Boves Construction, Inc. Brookings, SD | | Duininck, Inc. Prinsburg, MN | |
|-----------------------|--------|---|----------|---|------------|---------------------------------|-----------------------|
| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Price | Total Price |
| 30 | Plans | Raise Base Mount Runway / Taxiway Light (±2") | 7 | Each | \$270.00 | \$1,890.00 | \$1,890.00 |
| 31 | Plans | Raise Base Mount Runway / Taxiway Light (±3") | 2 | Each | \$270.00 | \$540.00 | \$540.00 |
| 32 | Plans | Raise Base Mount Runway / Taxiway Light (±4") | 1 | Each | \$270.00 | \$270.00 | \$270.00 |
| 33 | Plans | Raise Base Mount Runway / Taxiway Light (±5") | 2 | Each | \$270.00 | \$540.00 | \$540.00 |
| 34 | Plans | Lower Base Mount Runway / Taxiway Light | 4 | Each | \$750.00 | \$3,000.00 | \$3,000.00 |
| 35 | Plans | Type II Erosion Control Blanket | 2,914 | SqYd | \$2.25 | \$6,556.50 | \$5,828.00 |
| 36 | Plans | Rip Rap | 1,150.0 | Ton | \$24.00 | \$27,600.00 | \$36,006.50 |
| 37 | Plans | Type B Drainage Fabric | 1,200 | SqYd | \$1.75 | \$2,100.00 | \$2,256.00 |
| Total Base Bid | | | | | | \$732,763.32 | \$1,209,285.74 |

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. Schmid DATE: 5-9-2017

Helms & ASSOCIATES

CIVIL ENGINEERS & LAND SURVEYORS

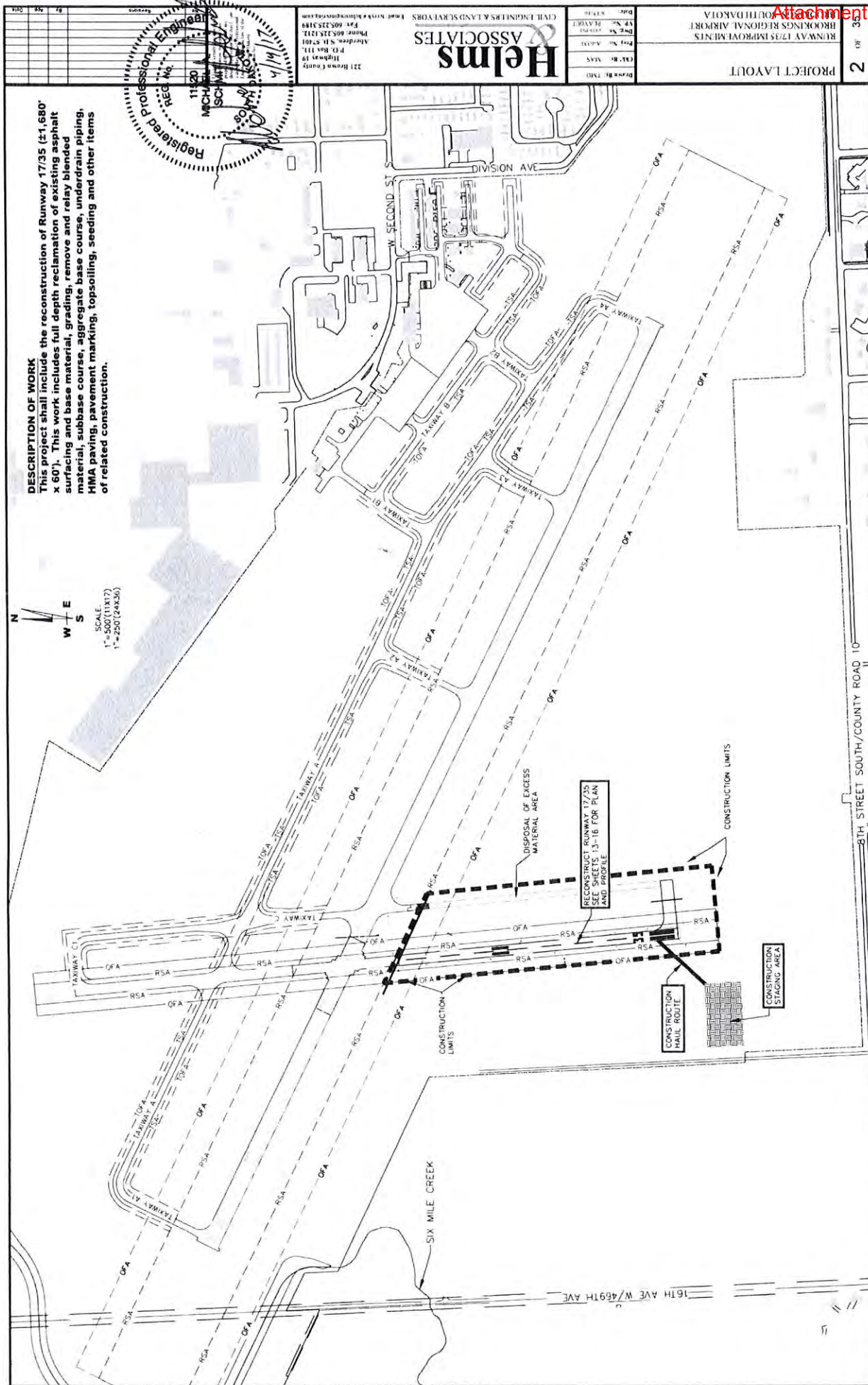
221 Brown County Hwy 19
P.O. Box 111
Aberdeen, SD 57402

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

**Runway 17/35 Improvements
Brookings Regional Airport
Brookings, South Dakota
AIP #3-46-0005-028/029-2016/2017
Helms # A-6333
Revised Engineer's Estimate
May, 2017**

Base Bid

| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Cost |
|--|-------------|---|----------|------|--------------|---------------------|
| 1 | GP-105 | Mobilization | 1 | L.S. | \$109,500.00 | \$109,500.00 |
| 2 | GP-50 | Construction Staking | 1 | L.S. | \$10,000.00 | \$10,000.00 |
| 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$17,007.00 | \$17,007.00 |
| 4 | P-101 | Asphalt Pavement Removal (5.5" Nominal Depth) | 143 | SqYd | \$3.00 | \$429.00 |
| 5 | P-152 | Unclassified Excavation | 12,997 | CuYd | \$2.50 | \$32,492.50 |
| 6 | P-152 | Disposal of Excess Material | 2,225 | CuYd | \$1.00 | \$2,225.00 |
| 7 | P-154 | Subbase Course | 6,211 | CuYd | \$14.00 | \$86,954.00 |
| 8 | P-208 (MOD) | Aggregate Base Course | 1,923 | CuYd | \$20.00 | \$38,460.00 |
| 9 | P-401 | Bituminous Base/Surface Course | 2,644.0 | Ton | \$58.85 | \$155,599.40 |
| 10 | P-401 | Bituminous Binder (PG 64-34) | 185.0 | Ton | \$525.00 | \$97,125.00 |
| 11 | P-602 | Bituminous Prime Coat | 15.0 | Ton | \$750.00 | \$11,250.00 |
| 12 | P-603 | Bituminous Tack Coat | 6.0 | Ton | \$850.00 | \$5,100.00 |
| 13 | P-620 | Runway and Taxiway Marking | 1 | L.S. | \$12,975.00 | \$12,975.00 |
| 14 | D-705 (MOD) | 6" Perforated Underdrain | 3,304 | Ft | \$7.00 | \$23,128.00 |
| 15 | D-705 (MOD) | 6" Underdrain Cleanout | 8 | Each | \$200.00 | \$1,600.00 |
| 16 | D-705 (MOD) | Connect Underdrain to Existing Cleanout | 2 | Each | \$250.00 | \$500.00 |
| 17 | T-901 | Seeding and Fertilizing | 4.0 | Acre | \$1,000.00 | \$4,000.00 |
| 18 | T-905 | Topsoiling | 2,398 | CuYd | \$2.25 | \$5,395.50 |
| 19 | TL-100 | Field Laboratory, Type I | 1 | Each | \$5,000.00 | \$5,000.00 |
| 20 | SP-1 | Full Depth Reclamation (12" Nominal Depth) | 11,174 | SqYd | \$1.58 | \$17,654.92 |
| 21 | SP-1 | Remove and Relay Blended Material (12" Nominal Depth) | 11,546 | SqYd | \$1.75 | \$20,205.50 |
| 22 | SP-2 | Geogrid | 2,000 | SqYd | \$2.25 | \$4,500.00 |
| 23 | SP-3 | Geotextile Separator Fabric | 12,290 | SqYd | \$1.20 | \$14,748.00 |
| 24 | L-108 | #6 Bare Counterpoise direct bury | 3,430 | Ft | \$3.30 | \$11,319.00 |
| 25 | L-108 | Reconnect Counterpoise Circuit | 2 | Each | \$55.00 | \$110.00 |
| 26 | Plans | Reflectorized Taxiway Ending Marker | 1 | Each | \$1,665.00 | \$1,665.00 |
| 27 | Plans | Remove and Salvage Vegetation Control Ring | 24 | Each | \$13.00 | \$312.00 |
| 28 | Plans | Reset Salvaged Vegetation Control Ring | 24 | Each | \$13.00 | \$312.00 |
| 29 | Plans | Raise Base Mount Runway / Taxiway Light (±1") | 4 | Each | \$175.00 | \$700.00 |
| 30 | Plans | Raise Base Mount Runway / Taxiway Light (±2") | 7 | Each | \$270.00 | \$1,890.00 |
| 31 | Plans | Raise Base Mount Runway / Taxiway Light (±3") | 2 | Each | \$270.00 | \$540.00 |
| 32 | Plans | Raise Base Mount Runway / Taxiway Light (±4") | 1 | Each | \$270.00 | \$270.00 |
| 33 | Plans | Raise Base Mount Runway / Taxiway Light (±5") | 2 | Each | \$270.00 | \$540.00 |
| 34 | Plans | Lower Base Mount Runway / Taxiway Light | 4 | Each | \$750.00 | \$3,000.00 |
| 35 | Plans | Type II Erosion Control Blanket | 2,914 | SqYd | \$2.25 | \$6,556.50 |
| 36 | Plans | Rip Rap | 1,150.0 | Ton | \$24.00 | \$27,600.00 |
| 37 | Plans | Type B Drainage Fabric | 1,200 | SqYd | \$1.75 | \$2,100.00 |
| Construction Total | | | | | | \$732,763.32 |
| Estimated Bidding & Negotiations | | | | | | \$8,000.00 |
| Estimated Construction Administration | | | | | | \$50,000.00 |
| Estimated Construction Engineering | | | | | | \$80,000.00 |
| Estimated Asphalt Testing | | | | | | \$10,000.00 |
| Estimated Independent Fee Review | | | | | | \$5,000.00 |
| Estimated Administration | | | | | | \$14,236.68 |
| Total Estimated Project Cost | | | | | | \$900,000.00 |



DESCRIPTION OF WORK
 This project shall include the reconstruction of Runway 17/35 (±1,680' x 60'). This work includes full depth reclamation of existing asphalt surfacing and base material, grading, remove and relay blended material, subbase course, aggregate base course, underdrain piping, HMA paving, pavement marking, topsoiling, seeding and other items of related construction.

N
 W E
 S
 SCALE:
 1" = 500' (11X17)
 1" = 250' (24X36)



Helm Associates
 CIVIL ENGINEERS & LAND SURVEYORS
 221 Brown Court
 Brookings, SD 57003
 Phone: 605.338.2318
 Fax: 605.338.2188
 Email: hsa@helsa.com

| | |
|------------------|--------------------------------------|
| Drawn By: TMO | Client: BROSNAUGH AIRPORT |
| Checked By: MANS | Project: RUNWAY IMPROVEMENTS |
| Scale: AS SHOWN | Location: BROOKINGS REGIONAL AIRPORT |
| Date: 8/11/10 | Sheet: 2 OF 3 |

PROJECT LAYOUT

8TH STREET SOUTH/COUNTY ROAD 10

16TH AVE W/4691TH AVE

SIX MILE CREEK

RECONSTRUCT RUNWAY 17/35
 SEE SHEETS 13-16 FOR PLAN
 AND PROFILE

CONSTRUCTION MAIL ROUTE

CONSTRUCTION STAGING AREA

CONSTRUCTION LIMITS

CONSTRUCTION LIMITS

DISPOSAL OF EXCESS MATERIAL AREA

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |

Project Narrative (Justification)

Apron Expansion – Phase II (100' x 200')

The purpose is to provide expanded apron area for users of the Gregory Airport. Hunting in the area is a huge business, which can be seen by the number of hunting operations in the area. Many of the hunters coming in, fly to this area and need additional apron area and tie downs for parking aircraft. Currently the airport has fuel available for public use. However, the fuel system is in a location that hinders access to the apron. When aircraft park to fill with fuel in the southern corner of the apron, the emergency access from the parking lot through the gate is blocked. In addition, after aircraft use the fuel system there is no easy way to exit the fueling location. They must generally be backed out, especially when another aircraft is tied down near the dispensers.

The need for this action is a larger apron and additional tie downs. Additionally, the fueling station is in a poor location, blocking the emergency entrance when aircraft are refueling. It is anticipated based on input from current users that there will be similar numbers of gallons of 100LL fuel and Jet A fuel consumed annually. This will largely be by the spray service based at the airport.

Phase I was completed in Fall, 2016. The fuel system was rotated and the underground storage tanks were relocated to allow for the construction of Phase II. The initial plan was to construct the expansion in two more phases, however it is believed that the City of Gregory will have enough entitlement dollars to support one project instead of two.

APRON EXPANSION PHASE II
 GREGORY MUNICIPAL AIRPORT
 GREGORY, SOUTH DAKOTA
 AIP #3-46-0018-014-2017

A-6332

BID TABULATION

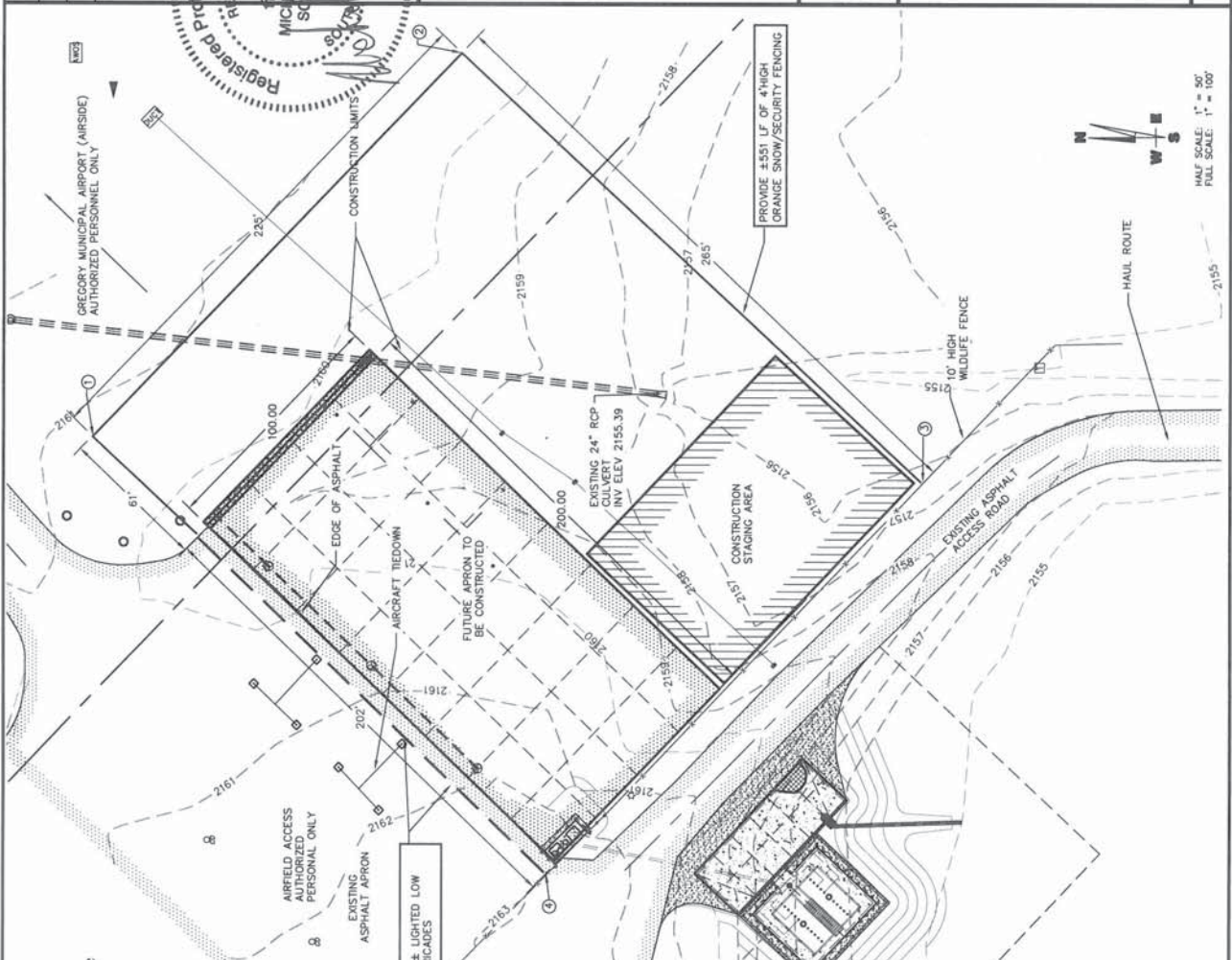
6/15/2017

| Base Bid | Item # | Spec # | Item Description | Quantity | Unit | VanderPol Dragline, Inc. Mitchell, SD | | R P & H, Inc. Reliance, SD | | Schweigert Construction, Inc. Gregory, SD | |
|----------|--------|-------------|---|----------|------|--|---------------------|-------------------------------|---------------------|--|---------------------|
| | | | | | | Unit Price | Total Price | Unit Price | Total Price | Unit Price | Total Price |
| | 1 | GP-105 | Mobilization | 1 | L.S. | \$44,000.00 | \$44,000.00 | \$31,000.00 | \$31,000.00 | \$60,300.00 | \$60,300.00 |
| | 2 | GP-50 | Construction Staking | 1 | L.S. | \$5,635.00 | \$5,635.00 | \$6,500.00 | \$6,500.00 | \$6,000.00 | \$6,000.00 |
| | 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$13,000.00 | \$13,000.00 | \$18,000.00 | \$18,000.00 | \$12,968.00 | \$12,968.00 |
| | 4 | P-101 | Asphalt Pavement Removal | 23 | SqYd | \$10.00 | \$230.00 | \$11.00 | \$253.00 | \$100.00 | \$2,300.00 |
| | 5 | P-152 | Unclassified Excavation | 2,615 | CuYd | \$5.80 | \$15,167.00 | \$6.50 | \$16,997.50 | \$6.50 | \$16,997.50 |
| | 6 | P-152 | Disposal of Excess Material | 923 | CuYd | \$2.10 | \$1,938.30 | \$2.50 | \$2,307.50 | \$1.00 | \$923.00 |
| | 7 | P-154 | Subbase Course | 1,492 | CuYd | \$29.50 | \$44,014.00 | \$30.00 | \$44,760.00 | \$45.00 | \$67,140.00 |
| | 8 | P-208 (MOD) | Aggregate Base Course | 390 | CuYd | \$49.50 | \$19,305.00 | \$48.00 | \$18,720.00 | \$50.00 | \$19,500.00 |
| | 9 | P-403 | Bituminous Base/Surface Course | 388.0 | Ton | \$135.00 | \$52,380.00 | \$140.00 | \$54,320.00 | \$125.00 | \$48,500.00 |
| | 10 | P-602 | Bituminous Prime Coat | 3.0 | Ton | \$800.00 | \$2,400.00 | \$1,344.00 | \$4,032.00 | \$1,200.00 | \$3,600.00 |
| | 11 | P-603 | Bituminous Tack Coat | 1.0 | Ton | \$1,200.00 | \$1,200.00 | \$1,120.00 | \$1,120.00 | \$1,000.00 | \$1,000.00 |
| | 12 | P-620 | Pavement Marking | 1 | L.S. | \$1,540.00 | \$1,540.00 | \$13,500.00 | \$13,500.00 | \$11,962.00 | \$11,962.00 |
| | 13 | P-620 | Pavement Marking Removal | 1 | L.S. | \$1,200.00 | \$1,200.00 | \$2,300.00 | \$2,300.00 | \$1,965.00 | \$1,965.00 |
| | 14 | D-705 (MOD) | 4" Perforated Underdrain Piping | 431 | Rt | \$10.00 | \$4,310.00 | \$12.00 | \$5,172.00 | \$10.00 | \$4,310.00 |
| | 15 | D-705 (MOD) | Connect to Existing Underdrain | 4 | Each | \$150.00 | \$600.00 | \$200.00 | \$800.00 | \$200.00 | \$800.00 |
| | 16 | D-705 (MOD) | Underdrain Cleanout | 4 | Each | \$180.00 | \$720.00 | \$400.00 | \$1,600.00 | \$200.00 | \$800.00 |
| | 17 | D-751 | 3' x 4' Storm Sewer Inlet w/Type E Frame and Grate | 1 | Each | \$5,800.00 | \$5,800.00 | \$5,000.00 | \$5,000.00 | \$4,750.00 | \$4,750.00 |
| | 18 | T-901 | Seeding and Fertilizing | 179 | Acre | \$2,300.00 | \$2,300.00 | \$2,200.00 | \$2,200.00 | \$2,000.00 | \$2,000.00 |
| | 19 | T-905 | Topsoiling | 179 | CuYd | \$10.00 | \$1,790.00 | \$9.00 | \$1,611.00 | \$10.00 | \$1,790.00 |
| | 20 | TL-100 | Field Laboratory, Type I | 1 | Each | \$500.00 | \$500.00 | \$4,700.00 | \$4,700.00 | \$4,000.00 | \$4,000.00 |
| | 21 | SP-3 | Geotextile Separator Fabric | 2,312 | SqYd | \$2.70 | \$6,242.40 | \$2.00 | \$4,624.00 | \$3.60 | \$8,323.20 |
| | 22 | Plans | Remove and Dispose of 4" Perforated Underdrain Piping | 154 | Rt | \$2.50 | \$385.00 | \$5.00 | \$770.00 | \$5.00 | \$770.00 |
| | 23 | Plans | Remove and Dispose of Underdrain Cleanout | 4 | Each | \$20.00 | \$80.00 | \$75.00 | \$300.00 | \$50.00 | \$200.00 |
| | 24 | Plans | Remove and Salvage 24" RCP | 16 | Rt | \$10.00 | \$160.00 | \$17.00 | \$272.00 | \$100.00 | \$1,600.00 |
| | 25 | Plans | Reinstall Salvaged 24" RCP | 16 | Rt | \$10.00 | \$160.00 | \$17.00 | \$272.00 | \$50.00 | \$800.00 |
| | 26 | Plans | Remove and Salvage 10' Chain Link Fence | 160 | Rt | \$19.20 | \$3,072.00 | \$18.00 | \$2,880.00 | \$7.50 | \$1,200.00 |
| | 27 | Plans | Reset 10' Chain Link Fence | 160 | Rt | \$25.00 | \$4,000.00 | \$18.00 | \$2,880.00 | \$7.50 | \$1,200.00 |
| | 28 | Plans | Aircraft Tie Downs | 2 | Set | \$800.00 | \$1,600.00 | \$1,400.00 | \$2,800.00 | \$1,500.00 | \$3,000.00 |
| | 29 | Plans | Concrete Valley Gutter | 400 | SqFt | \$10.00 | \$4,000.00 | \$10.00 | \$4,000.00 | \$11.10 | \$4,440.00 |
| | 30 | Plans | Type II Erosion Control Blanket | 370 | SqYd | \$3.00 | \$1,110.00 | \$3.00 | \$1,110.00 | \$5.00 | \$1,850.00 |
| | 31 | Plans | Sediment Control at Inlet | 1 | Each | \$250.00 | \$250.00 | \$250.00 | \$250.00 | \$350.00 | \$350.00 |
| | | | Total Base Bid | | | | \$239,088.70 | | \$255,051.00 | | \$295,338.70 |

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. Schmidt DATE: 6-15-2017

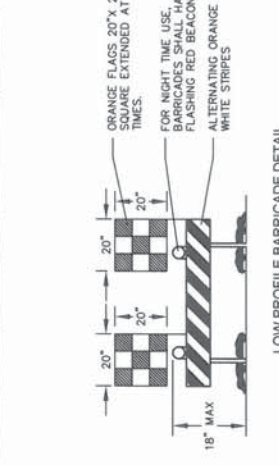
| | | |
|------------------|-------------------|-----------------|
| Drawn By: CLB | Proj. No: A-6332 | Drawn: 2/28/17 |
| Checked By: MAS | Drawn No: 615-091 | VP No: 54757 |
| Scale: 1" = 100' | Sheet No: 34 | Sheet Total: 34 |



Description of Work
This project shall include the expansion of the GA Apron (±100' x 200'). This work includes grading, disposal of excess material, subbase course, aggregate base course, HMA paving, pavement marking, topsoiling, seeding and other items of related construction.

AIRPORT CONSTRUCTION SAFETY PLAN INFORMATION

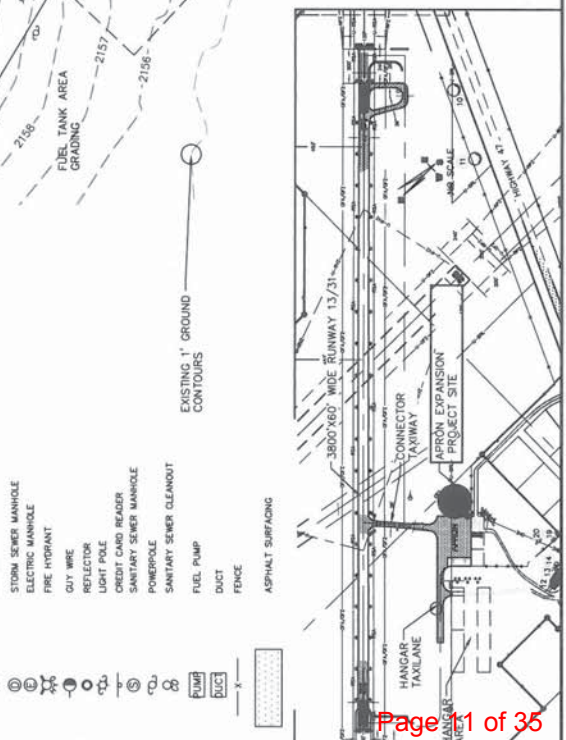
| DESCRIPTION | LATITUDE | LONGITUDE | ELEVATION |
|--------------------|----------------|----------------|-----------|
| RUNWAY END 13 | N43°13'29.810" | W99°24'29.259" | 2169.83 |
| RUNWAY END 31 | N43°13'03.502" | W99°23'52.683" | 2159.99 |
| WORK AREA CORNER 1 | N43°13'18.53" | W99°24'20.75" | 2160.92 |
| WORK AREA CORNER 2 | N43°13'16.99" | W99°24'18.61" | 2160.5 |
| WORK AREA CORNER 3 | N43°13'15.10" | W99°24'21.05" | 2156.4 |
| WORK AREA CORNER 4 | N43°13'16.67" | W99°24'23.24" | 2162.9 |



LEGEND

- ▲ SURVEY CONTROL POINT
- AIRCRAFT TREADOWN
- ◆ WOODCONE
- BENCHMARK
- STORM SEWER MANHOLE
- ⊙ ELECTRIC MANHOLE
- ⊕ FIRE HYDRANT
- ⊖ DUTY WIRE
- ⊗ REFLECTOR
- ⊘ LIGHT POLE
- ⊙ CREDIT CARD READER
- ⊙ SANITARY SEWER MANHOLE
- ⊙ POWERPOLE
- ⊙ SANITARY SEWER CLEANOUT
- ⊙ FUEL PUMP
- ⊙ DUCT
- ⊙ FENCE
- ▨ ASPHALT SURFACING

NOTE: ALL MEN AND EQUIPMENT SHALL REMAIN CLEAR OF ALL CONSTRUCTION LIMITS. ALL MEN AND EQUIPMENT SHALL REMAIN ON THE NON-AIRFIELD SIDE OF THE SAFETY DRUMS AND SECURITY FENCING. ALL AIRPORT FACILITIES SHALL REMAIN OPEN DURING CONSTRUCTION.



Shoulder Repair Runway 12/30:

The concrete shoulders adjacent to Runway 12/30 are in very poor condition. No less than eight joint blowups are occurring each summer. In addition to the joints that blow up many others are spalling. Since the runway was constructed in about 1975 and local aggregates were used for construction the concrete is at the end of its' usable life. A spall and joint repair project would not be adequate repair the concrete shoulders.

There are three options to repair the shoulders to Runway 12/30. The first option would be total replacement. This option would be by far the most expensive. The second option would be to do a spall repair and expansion joint project. The concrete is in such poor overall condition, the spall repairs would not hold in the existing pavement and the pavement in general is beginning to crumble so this is not a viable option. The third option to mill approximately 2 inches of the existing concrete. Then the concrete would possibly be cracked and sealed. Current thinking is that the concrete will shatter under the milling process. It would then be rolled and used as base course. Then the thin level leveling course of asphalt would be placed on the rubbleized concrete and an approximately 2 inch asphalt overlay would be installed over the entire pavement s area.

Taxiway A partial replacement:

There are two portions of taxiway a that were part of the original taxiway project. They were left in place when the rest of taxiway was replaced since the runway was going to be shifted. Since it was determined that the runway will not be shifted the remaining areas of the taxiway must be replaced. See the attached drawings for locations.

Building removal and reclamation:

Two buildings were purchased to clear the future RPZ The buildings need to be removed the area needs to be reclaimed and the security fence needs to be relocated in order to complete the project. The intent is to have the land cleared for future RPZ's.

Rpz grading for wetland removal:

Wetlands were mitigated on the entire airport in preparation for the Runway 12/30 shift. Two of the wetlands that were mitigated are in the area of the construction for the Runway 12/30 shift. Since the runway shift has been canceled these wetlands should be filled to make sure we don't have to mitigate them again.

Madison Municipal Airport - Madison, SD

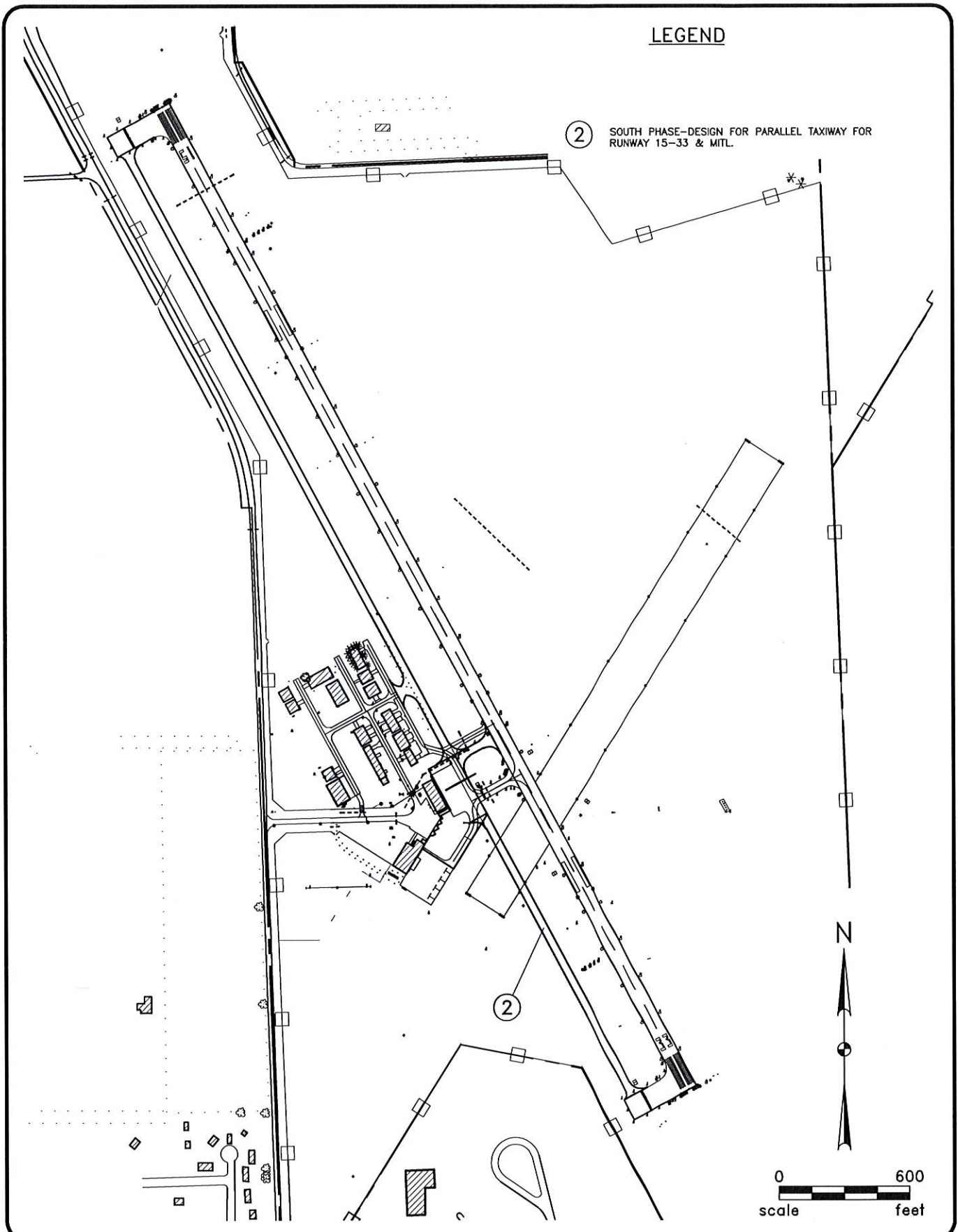
AIP 3-46-0029-015-2017

Design Services for South Phase of Parallel Taxiway for Runway 15-33 and MITL:

The City of Madison is requesting financial assistance for design services for South Phase of parallel taxiway for Runway 15-33 and Medium Intensity Taxiway Lighting System. The parallel taxiway & MITL for Runway 15-33 is needed for safety. Additionally, the parallel taxiway is recommended for reducing minimums for their LPV approaches. This project shall be a single phase with an estimated cost of \$76,000. This is not an LOI project.

Madison Municipal Airport
 Madison, South Dakota
 FAA AIP 3-46-0029-015-2017
 Madison Municipal Airport
 Summary of Project Costs

| Description | | Project Costs |
|--|----|---------------------|
| Administration | | \$ 697.72 |
| Design Engineering Services & Closeout for Phase 2-Parallel Taxiway for Runway 15-33 (approx. 7,200 SY) and MITL System (No Bidding Services included) | | \$ 75,302.28 |
| Total Estimated Project Costs | | \$ 76,000.00 |
| Federal Funding = | \$ | 68,400.00 |
| State Share = | \$ | 3,800.00 |
| Sponsor Share = | \$ | 3,800.00 |



DRAFTED BY: BJJ
 REVIEWED BY:
 PROJECT NO:
 REVISED DATE: 11/19/2016

MADISON MUNICIPAL AIRPORT
 2017 APPLICATION SKETCH



Project Narrative (Justification)

**Appraisals and Land Acquisition for Apron and Hangar Expansion Area (Approx.
10.81 Ac.)**

The purpose is to purchase property for an expansion of the current apron and hangar area. The need for this action is to allow for future apron space and airport hangars. The properties highlighted in the attached sketch allowed for the expansion of the apron, parking area and hangar taxiways (FY 2016 project).

Project Cost Breakdown

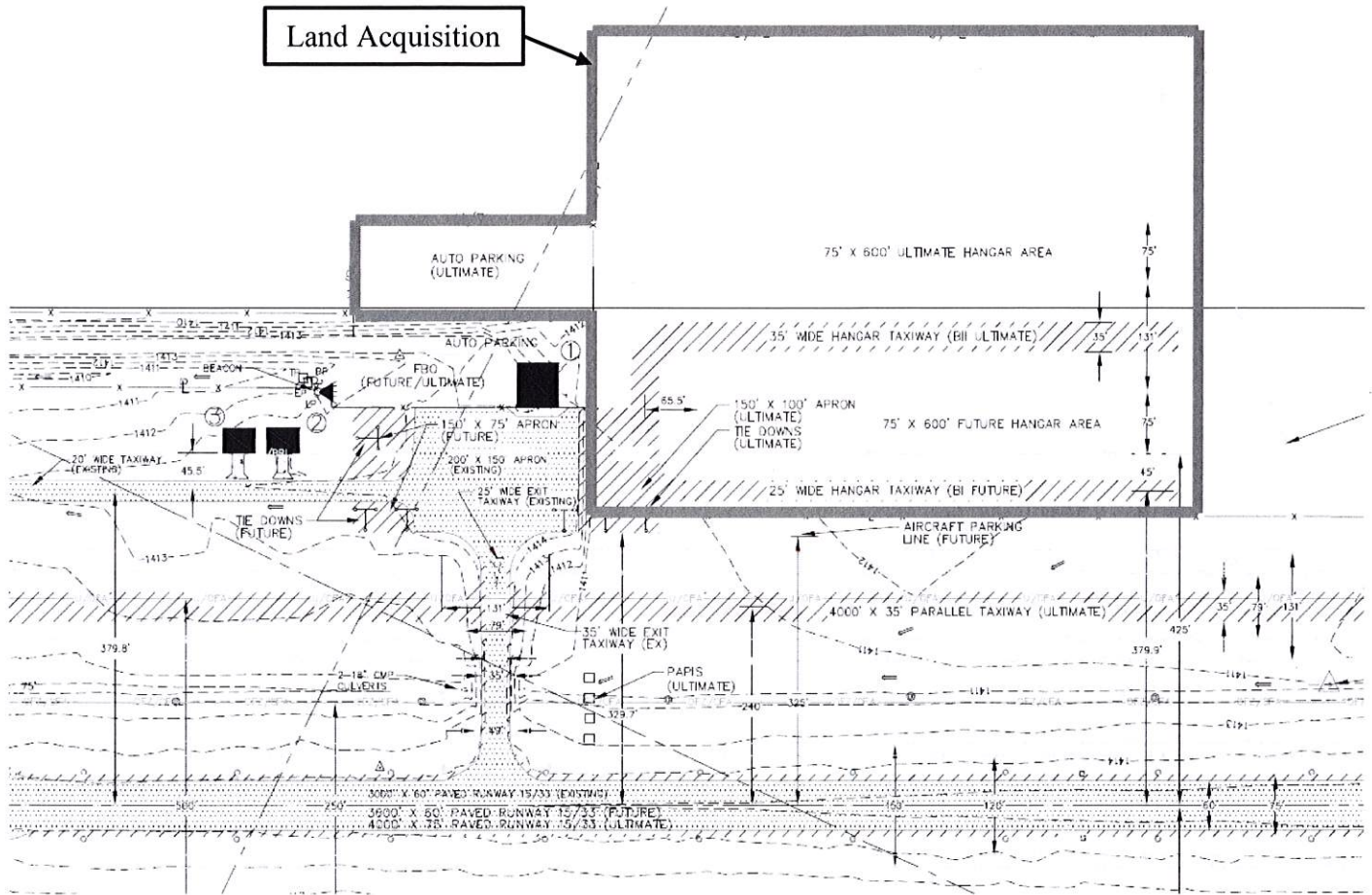
Parkston Municipal Airport
Parkston, SD

Land Appraisals and Land Acquisition of RPZ and Hangar Expansion Area (Approx. 11 Acres)

| Brief Item Description | Total Cost | Federal Share | Non-Federal |
|--|------------|---------------|-------------|
| | | 90% | 10% |
| Land Appraisals – Shaykett Appraisal Co. Inc. | \$5,500 | \$4,950 | \$550 |
| Review Appraisals – SDDOT ROW | \$5,000 | \$4,500 | \$500 |
| Land Acquisition Assistance – Helms and Associates | \$21,000 | \$18,900 | \$2,100 |
| Land Acquisition Assistance – City Attorney | \$10,000 | \$9,000 | \$1,000 |
| Land Acquisition – Larson/Uttecht Property | \$97,300 | \$87,570 | \$9,730 |
| Land Acquisition – Weber Property | \$12,000 | \$10,800 | \$1,200 |
| Administration | \$9,200 | \$8,280 | \$920 |
| Totals | \$160,000 | \$144,000 | \$16,000 |

Project Sketch/Description

Parkston Municipal Airport
Parkston, SD



Project Description:

Appraisals and Land Acquisition for RPZ (Approach Protection) and Hangar Expansion Area (Approx. 11 Ac.)

Project Narrative (Justification)

Planning for Compliance Document

Throughout the process of an ALP Update for the Watertown Regional Airport, it was discovered that there are locations on and around the airport that need further evaluation. Those locations are:

- Baseball/Softball Fields south of Runway 30
- Community gardens south of Runway 30
- Regional Fire Training Center north of ARFF Station
- Army National Guard Shooting Range east of Runway 17
- Two industrial lots located northwest of Runway 17
- Casino Speedway parking area north of Runway 12
- Public Right-of-Way for some of the perimeter roads

Many of the plats are still in terms of meets and bounds and several property lines do not meet. A recommendation from the Narrative Report determined that the City of Watertown should include in the new planning for compliance process to have the entire airport property replatted into several larger parcels of property to ensure all descriptions and property lines are accurate.

ADA Access Improvements at Terminal

The Watertown Regional Airport has now had commercial air service since August of 2016. However, the Terminal building is in need of ADA updates. The entrance does not have ADA compliant single slide doors, one exterior and one interior door is needed. To accommodate the improvements, concrete sidewalk will be removed and replaced, associated electrical improvements will occur, affected tile flooring will be repaired, sidewalk cracks and joints will be filled with joint sealant, and other items related to the improvements will be completed.

Project Cost Breakdown**Watertown Regional Airport**
Watertown, SD

Description

| Brief Item Description | Construction or Land Cost | Engr./Land Incidental | Admin. Cost | Total Cost | Federal Share | Non-Federal |
|-------------------------------------|---------------------------|-----------------------|-------------|------------|---------------|-------------|
| | | | | | 90% | 10% |
| Planning for Compliance Document | - | \$78,786.82 | \$1,213.18 | \$80,000 | \$72,000 | \$8,000 |
| ADA Access Improvements at Terminal | \$27,500 | - | \$2,500 | \$30,000 | \$27,000 | \$3,000 |
| Totals | \$27,500 | \$78,786.82 | \$3,713.18 | \$110,000 | \$99,000 | \$11,000 |

Project Sketch/Description

Watertown Regional Airport
Watertown, SD



Project Description:

Planning for Compliance Document
ADA Access Improvements at Terminal

Project Narrative (Justification)

Runway Reconstruction

The asphalt on Runway 12/30, the apron and taxiways at Sigurd Anderson Field is near the end of its useful life. The airport was last overlaid with a 2.5' overlay in 1995. There are major cracks with depressions and raveling in the runway pavement. The airport has repaired numerous major cracks on several occasions through the SDDOT's pavement maintenance projects, most recently as part of the 2008 and 2011 projects. Following the pavement maintenance, the PCI's on the runway, apron and connector taxiway improved slightly. However, the runway is beginning to show areas of unrepaired. Due to the state of the runway, it is proposed to do a thorough pavement evaluation and the design of the reconstruction of the runway, connector taxiway, hangar taxilane and apron. The rehabilitation will add underdrain to the runway to help alleviate moisture and heaving issues that may have occurred in the past and prevent them from happening in the future. The newest hangar taxilane was constructed in 2008 and will not be evaluated or reconstructed.

| | 2010 PCI | 2012 PCI | 2015 PCI |
|-------------------|-----------------|-----------------|-----------------|
| Runway | 66 | 70 | 59 |
| Apron | 59 | 64 | 32 |
| Connector Taxiway | 55 | 65 | 48 |
| Hangar Taxilane | 87 | 68 | 69 |

Webster Grant Support

RUNWAY 12/30 RECONSTRUCTION
 SIGURD ANDERSON FIELD
 WEBSTER, SOUTH DAKOTA
 AIP #3-46-0059-009-2017
 A-5919
 BID TABULATION
 6/13/2017

| Base Bid | | | | | Webster Scale, Inc. Webster, SD | | Bituminous Paving, Inc. Ortonville, MN | | Foothills Contracting, Inc. Webster, SD | |
|----------|-------------|--|----------|------|------------------------------------|--------------|---|--------------|--|--------------|
| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Price | Unit Price | Total Price | Unit Price | Total Price |
| 1 | GP-105 | Mobilization | 1 | L.S. | \$400,000.00 | \$400,000.00 | \$391,000.00 | \$391,000.00 | \$447,671.16 | \$447,671.16 |
| 2 | GP-50 | Construction Staking | 1 | L.S. | \$22,000.00 | \$22,000.00 | \$35,000.00 | \$35,000.00 | \$20,000.00 | \$20,000.00 |
| 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$9,500.00 | \$9,500.00 | \$8,000.00 | \$8,000.00 | \$8,455.00 | \$8,455.00 |
| 4 | P-152 | Unclassified Excavation | 49,570 | CuYd | \$2.75 | \$136,317.50 | \$3.00 | \$148,710.00 | \$2.00 | \$99,140.00 |
| 5 | P-152 | Disposal of Excess Material | 30,204 | CuYd | \$1.25 | \$37,755.00 | \$1.50 | \$45,306.00 | \$1.00 | \$30,204.00 |
| 6 | P-154 | Subbase Course | 13,550 | CuYd | \$21.00 | \$284,550.00 | \$24.00 | \$325,200.00 | \$27.00 | \$365,850.00 |
| 7 | P-208 (MOD) | Aggregate Base Course | 4,972 | CuYd | \$22.00 | \$109,384.00 | \$25.00 | \$124,300.00 | \$23.18 | \$115,250.96 |
| 8 | P-401 | Bituminous Base/Surface Course | 5,080.0 | Ton | \$50.00 | \$254,000.00 | \$46.00 | \$233,680.00 | \$46.00 | \$233,680.00 |
| 9 | P-401 | Bituminous Binder (PG 64-34) | 360.0 | Ton | \$500.00 | \$180,000.00 | \$460.00 | \$165,600.00 | \$460.00 | \$165,600.00 |
| 10 | P-602 | Bituminous Prime Coat | 37.0 | Ton | \$1,050.00 | \$38,850.00 | \$950.00 | \$35,150.00 | \$950.00 | \$35,150.00 |
| 11 | P-603 | Bituminous Tack Coat | 12.0 | Ton | \$1,050.00 | \$12,600.00 | \$950.00 | \$11,400.00 | \$950.00 | \$11,400.00 |
| 12 | P-620 | Runway & Taxiway Painting | 1 | L.S. | \$15,000.00 | \$15,000.00 | \$13,000.00 | \$13,000.00 | \$13,500.00 | \$13,500.00 |
| 13 | D-701 | 18" RCP | 424 | Ft | \$40.00 | \$16,960.00 | \$45.00 | \$19,080.00 | \$27.36 | \$11,600.64 |
| 14 | D-701 | 18" RCP Flared End | 3 | Each | \$600.00 | \$1,800.00 | \$700.00 | \$2,100.00 | \$380.00 | \$1,140.00 |
| 15 | D-701 | 24" RCP | 710 | Ft | \$44.00 | \$31,240.00 | \$50.00 | \$35,500.00 | \$37.00 | \$26,270.00 |
| 16 | D-701 | 24" RCP Flared End | 3 | Each | \$650.00 | \$1,950.00 | \$700.00 | \$2,100.00 | \$414.00 | \$1,242.00 |
| 17 | D-701 | 2' x 3' Storm Sewer Inlet w/Frame and Grate | 1 | Each | \$4,000.00 | \$4,000.00 | \$4,500.00 | \$4,500.00 | \$2,000.00 | \$2,000.00 |
| 18 | D-701 | 3' x 4' Storm Sewer Junction Box w/Manhole Frame and Lid | 1 | Each | \$3,500.00 | \$3,500.00 | \$4,000.00 | \$4,000.00 | \$1,700.00 | \$1,700.00 |
| 19 | D-705 (MOD) | 4" Perforated Underdrain Piping | 8,770 | Ft | \$6.50 | \$57,005.00 | \$7.00 | \$61,390.00 | \$12.50 | \$109,625.00 |
| 20 | D-705 (MOD) | Underdrain Cleanout | 27 | Each | \$125.00 | \$3,375.00 | \$140.00 | \$3,780.00 | \$100.00 | \$2,700.00 |
| 21 | D-705 (MOD) | Connect Underdrain Piping to RCP | 8 | Each | \$250.00 | \$2,000.00 | \$275.00 | \$2,200.00 | \$300.00 | \$2,400.00 |
| 22 | T-901 | Seeding and Fertilizing | 30.0 | Acre | \$400.00 | \$12,000.00 | \$550.00 | \$16,500.00 | \$367.00 | \$11,010.00 |
| 23 | T-905 | Topsoiling | 8,250 | CuYd | \$3.00 | \$24,750.00 | \$4.00 | \$33,000.00 | \$2.00 | \$16,500.00 |
| 24 | TL-100 | Field Laboratory | 1 | Each | \$5,000.00 | \$5,000.00 | \$10,000.00 | \$10,000.00 | \$1,500.00 | \$1,500.00 |
| 25 | SP-1 | Full Depth Reclamation (10" Nominal Depth) | 29,160 | SqYd | \$1.00 | \$29,160.00 | \$1.20 | \$34,992.00 | \$1.90 | \$55,404.00 |
| 26 | SP-1 | Place and Compact Reclaimed Material (9" Nominal Depth) | 29,852 | SqYd | \$2.00 | \$59,704.00 | \$2.50 | \$74,630.00 | \$1.50 | \$44,778.00 |
| 27 | SP-2 | Geogrid | 2,000 | SqYd | \$3.00 | \$6,000.00 | \$3.50 | \$7,000.00 | \$3.00 | \$6,000.00 |
| 28 | SP-3 | Geotextile Separator Fabric | 32,323 | SqYd | \$1.25 | \$40,403.75 | \$1.40 | \$45,252.20 | \$2.50 | \$80,807.50 |
| 29 | L-108 | #6 Bare Counterpoise | 7,450 | Ft | \$1.10 | \$8,195.00 | \$1.50 | \$11,175.00 | \$1.00 | \$7,450.00 |
| 30 | Plans | Remove and Dispose 18" CMP Culvert | 198 | Ft | \$10.00 | \$1,980.00 | \$11.00 | \$2,178.00 | \$20.00 | \$3,960.00 |
| 31 | Plans | Remove and Dispose 24" CMP Culvert | 544 | Ft | \$10.00 | \$5,440.00 | \$11.00 | \$5,984.00 | \$20.00 | \$10,880.00 |
| 32 | Plans | Remove and Dispose Existing Aircraft Tie-Down | 2 | Sets | \$700.00 | \$1,400.00 | \$800.00 | \$1,600.00 | \$100.00 | \$200.00 |
| 33 | Plans | Remove and Dispose of Asphalt Surfacing | 232 | SqYd | \$5.00 | \$1,160.00 | \$6.00 | \$1,392.00 | \$1.90 | \$440.80 |

Webster Grant Support

| Base Bid | | | | | Webster Scale, Inc. Webster, SD | | Bituminous Paving, Inc. Ortonville, MN | | Foothills Contracting, Inc. Webster, SD | |
|-----------------------|--------|--|----------|------|------------------------------------|-----------------------|---|-----------------------|--|-----------------------|
| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Price | Unit Price | Total Price | Unit Price | Total Price |
| 34 | Plans | Remove, Salvage, and Reset Existing Vegetation Control Rings | 79 | Each | \$11.00 | \$869.00 | \$12.00 | \$948.00 | \$10.00 | \$790.00 |
| 35 | Plans | Remove, Salvage and Reset Existing Taxiway Reflectors | 17 | Each | \$27.00 | \$459.00 | \$30.00 | \$510.00 | \$25.00 | \$425.00 |
| 36 | Plans | Temporary Access Approach | 1 | L.S. | \$7,500.00 | \$7,500.00 | \$9,000.00 | \$9,000.00 | \$2,000.00 | \$2,000.00 |
| 37 | Plans | Lower SuperAWOS / Wind Cone Electrical Circuit | 1 | L.S. | \$2,900.00 | \$2,900.00 | \$3,500.00 | \$3,500.00 | \$2,550.00 | \$2,550.00 |
| 38 | Plans | Raise Base Mount Runway / Taxiway Light (±1") | 8 | Each | \$425.00 | \$3,400.00 | \$450.00 | \$3,600.00 | \$400.00 | \$3,200.00 |
| 39 | Plans | Raise Base Mount Runway / Taxiway Light (±2") | 8 | Each | \$450.00 | \$3,600.00 | \$500.00 | \$4,000.00 | \$420.00 | \$3,360.00 |
| 40 | Plans | Raise Base Mount Runway / Taxiway Light (±3") | 5 | Each | \$450.00 | \$2,250.00 | \$500.00 | \$2,500.00 | \$420.00 | \$2,100.00 |
| 41 | Plans | Raise Base Mount Runway / Taxiway Light (±4") | 7 | Each | \$450.00 | \$3,150.00 | \$500.00 | \$3,500.00 | \$420.00 | \$2,940.00 |
| 42 | Plans | Raise Base Mount Runway / Taxiway Light (±5") | 3 | Each | \$450.00 | \$1,350.00 | \$500.00 | \$1,500.00 | \$420.00 | \$1,260.00 |
| 43 | Plans | Raise Base Mount Runway / Taxiway Light (±6") | 1 | Each | \$500.00 | \$500.00 | \$500.00 | \$500.00 | \$450.00 | \$450.00 |
| 44 | Plans | Raise Base Mount Runway / Taxiway Light (±7") | 1 | Each | \$500.00 | \$500.00 | \$500.00 | \$500.00 | \$450.00 | \$450.00 |
| 45 | Plans | Raise L-867 Junction Box (16" Diameter) | 3 | Each | \$550.00 | \$1,650.00 | \$550.00 | \$1,650.00 | \$485.00 | \$1,455.00 |
| 46 | Plans | Furnish and Install Aircraft Tie-Down | 2 | Sets | \$1,500.00 | \$3,000.00 | \$1,000.00 | \$2,000.00 | \$1,300.00 | \$2,600.00 |
| 47 | Plans | Full Depth Sawcutting | 50 | Ft | \$5.00 | \$250.00 | \$10.00 | \$500.00 | \$10.00 | \$500.00 |
| 48 | Plans | Reflectorized Holding Position Sign | 1 | Each | \$2,200.00 | \$2,200.00 | \$2,500.00 | \$2,500.00 | \$1,900.00 | \$1,900.00 |
| 49 | Plans | High Flow Silt Fence | 870 | Ft | \$3.50 | \$3,045.00 | \$4.00 | \$3,480.00 | \$3.00 | \$2,610.00 |
| 50 | Plans | 9" Diameter Erosion Control Wattle | 200 | Ft | \$5.50 | \$1,100.00 | \$4.00 | \$800.00 | \$5.00 | \$1,000.00 |
| 51 | Plans | Type II Erosion Control Blanket | 7,610 | SqYd | \$2.00 | \$15,220.00 | \$2.00 | \$15,220.00 | \$1.80 | \$13,698.00 |
| Total Base Bid | | | | | | \$1,869,922.25 | | \$1,970,907.20 | | \$1,986,797.06 |

Webster Grant Support

RUNWAY 12/30 RECONSTRUCTION
SIGURD ANDERSON FIELD
WEBSTER, SOUTH DAKOTA
AIP #3-46-0059-009-2017
A-5919
BID TABULATION
6/13/2017

| Base Bid | | | | | Midland Contracting, Inc. | | B & B Contracting, Inc. | |
|----------|-------------|--|----------|------|---------------------------|--------------|-------------------------|--------------|
| | | | | | Huron, SD | | Aberdeen, SD | |
| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Price | Unit Price | Total Price |
| 1 | GP-105 | Mobilization | 1 | L.S. | \$422,856.00 | \$422,856.00 | \$413,783.48 | \$413,783.48 |
| 2 | GP-50 | Construction Staking | 1 | L.S. | \$31,250.00 | \$31,250.00 | \$32,760.20 | \$32,760.20 |
| 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$3,500.00 | \$3,500.00 | \$12,500.00 | \$12,500.00 |
| 4 | P-152 | Unclassified Excavation | 49,570 | CuYd | \$2.50 | \$123,925.00 | \$4.00 | \$198,280.00 |
| 5 | P-152 | Disposal of Excess Material | 30,204 | CuYd | \$1.00 | \$30,204.00 | \$3.00 | \$90,612.00 |
| 6 | P-154 | Subbase Course | 13,550 | CuYd | \$28.00 | \$379,400.00 | \$15.00 | \$203,250.00 |
| 7 | P-208 (MOD) | Aggregate Base Course | 4,972 | CuYd | \$30.50 | \$151,646.00 | \$18.50 | \$91,982.00 |
| 8 | P-401 | Bituminous Base/Surface Course | 5,080.0 | Ton | \$48.30 | \$245,364.00 | \$50.00 | \$254,000.00 |
| 9 | P-401 | Bituminous Binder (PG 64-34) | 360.0 | Ton | \$483.00 | \$173,880.00 | \$497.00 | \$178,920.00 |
| 10 | P-602 | Bituminous Prime Coat | 37.0 | Ton | \$997.50 | \$36,907.50 | \$1,026.00 | \$37,962.00 |
| 11 | P-603 | Bituminous Tack Coat | 12.0 | Ton | \$997.50 | \$11,970.00 | \$1,026.00 | \$12,312.00 |
| 12 | P-620 | Runway & Taxiway Painting | 1 | L.S. | \$9,850.00 | \$9,850.00 | \$14,850.00 | \$14,850.00 |
| 13 | D-701 | 18" RCP | 424 | Ft | \$38.00 | \$16,112.00 | \$36.00 | \$15,264.00 |
| 14 | D-701 | 18" RCP Flared End | 3 | Each | \$900.00 | \$2,700.00 | \$813.00 | \$2,439.00 |
| 15 | D-701 | 24" RCP | 710 | Ft | \$52.00 | \$36,920.00 | \$46.00 | \$32,660.00 |
| 16 | D-701 | 24" RCP Flared End | 3 | Each | \$975.00 | \$2,925.00 | \$950.00 | \$2,850.00 |
| 17 | D-701 | 2' x 3' Storm Sewer Inlet w/Frame and Grate | 1 | Each | \$2,775.00 | \$2,775.00 | \$3,200.00 | \$3,200.00 |
| 18 | D-701 | 3' x 4' Storm Sewer Junction Box w/Manhole Frame and Lid | 1 | Each | \$2,100.00 | \$2,100.00 | \$2,400.00 | \$2,400.00 |
| 19 | D-705 (MOD) | 4" Perforated Underdrain Piping | 8,770 | Ft | \$6.75 | \$59,197.50 | \$8.00 | \$70,160.00 |
| 20 | D-705 (MOD) | Underdrain Cleanout | 27 | Each | \$225.00 | \$6,075.00 | \$225.00 | \$6,075.00 |
| 21 | D-705 (MOD) | Connect Underdrain Piping to RCP | 8 | Each | \$350.00 | \$2,800.00 | \$385.00 | \$3,080.00 |
| 22 | T-901 | Seeding and Fertilizing | 30.0 | Acre | \$385.00 | \$11,550.00 | \$435.00 | \$13,050.00 |
| 23 | T-905 | Topsailing | 8,250 | CuYd | \$2.25 | \$18,562.50 | \$6.00 | \$49,500.00 |
| 24 | TL-100 | Field Laboratory | 1 | Each | \$6,500.00 | \$6,500.00 | \$8,000.00 | \$8,000.00 |
| 25 | SP-1 | Full Depth Reclamation (10" Nominal Depth) | 29,160 | SqYd | \$2.00 | \$58,320.00 | \$1.60 | \$46,656.00 |
| 26 | SP-1 | Place and Compact Reclaimed Material (9" Nominal Depth) | 29,852 | SqYd | \$1.65 | \$49,255.80 | \$2.00 | \$59,704.00 |
| 27 | SP-2 | Geogrid | 2,000 | SqYd | \$2.50 | \$5,000.00 | \$2.50 | \$5,000.00 |
| 28 | SP-3 | Geotextile Separator Fabric | 32,323 | SqYd | \$1.40 | \$45,252.20 | \$3.05 | \$98,585.15 |
| 29 | L-108 | #6 Bare Counterpoise | 7,450 | Ft | \$1.05 | \$7,822.50 | \$1.10 | \$8,195.00 |
| 30 | Plans | Remove and Dispose 18" CMP Culvert | 198 | Ft | \$10.00 | \$1,980.00 | \$10.00 | \$1,980.00 |
| 31 | Plans | Remove and Dispose 24" CMP Culvert | 544 | Ft | \$10.00 | \$5,440.00 | \$12.00 | \$6,528.00 |
| 32 | Plans | Remove and Dispose Existing Aircraft Tie-Down | 2 | Sets | \$650.00 | \$1,300.00 | \$100.00 | \$200.00 |
| 33 | Plans | Remove and Dispose of Asphalt Surfacing | 232 | SqYd | \$3.00 | \$696.00 | \$2.50 | \$580.00 |

Webster Grant Support

| Base Bid | | | | | Midland Contracting, Inc. Huron, SD | | B & B Contracting, Inc. Aberdeen, SD | |
|-----------------------|--------|--|----------|------|--|-------------|---|-------------|
| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Price | Unit Price | Total Price |
| 34 | Plans | Remove, Salvage, and Reset Existing Vegetation Control Rings | 79 | Each | \$10.50 | \$829.50 | \$11.00 | \$869.00 |
| 35 | Plans | Remove, Salvage and Reset Existing Taxiway Reflectors | 17 | Each | \$26.25 | \$446.25 | \$27.50 | \$467.50 |
| 36 | Plans | Temporary Access Approach | 1 | L.S. | \$6,500.00 | \$6,500.00 | \$2,500.00 | \$2,500.00 |
| 37 | Plans | Lower SuperAWOS / Wind Cone Electrical Circuit | 1 | L.S. | \$2,675.00 | \$2,675.00 | \$2,800.00 | \$2,800.00 |
| 38 | Plans | Raise Base Mount Runway / Taxiway Light (±1") | 8 | Each | \$420.00 | \$3,360.00 | \$440.00 | \$3,520.00 |
| 39 | Plans | Raise Base Mount Runway / Taxiway Light (±2") | 8 | Each | \$440.00 | \$3,520.00 | \$460.00 | \$3,680.00 |
| 40 | Plans | Raise Base Mount Runway / Taxiway Light (±3") | 5 | Each | \$440.00 | \$2,200.00 | \$460.00 | \$2,300.00 |
| 41 | Plans | Raise Base Mount Runway / Taxiway Light (±4") | 7 | Each | \$440.00 | \$3,080.00 | \$460.00 | \$3,220.00 |
| 42 | Plans | Raise Base Mount Runway / Taxiway Light (±5") | 3 | Each | \$440.00 | \$1,320.00 | \$460.00 | \$1,380.00 |
| 43 | Plans | Raise Base Mount Runway / Taxiway Light (±6") | 1 | Each | \$472.00 | \$472.00 | \$495.00 | \$495.00 |
| 44 | Plans | Raise Base Mount Runway / Taxiway Light (±7") | 1 | Each | \$472.00 | \$472.00 | \$495.00 | \$495.00 |
| 45 | Plans | Raise L-867 Junction Box (16" Diameter) | 3 | Each | \$510.00 | \$1,530.00 | \$530.00 | \$1,590.00 |
| 46 | Plans | Furnish and Install Aircraft Tie-Down | 2 | Sets | \$1,365.00 | \$2,730.00 | \$1,000.00 | \$2,000.00 |
| 47 | Plans | Full Depth Sawcutting | 50 | Ft | \$4.00 | \$200.00 | \$5.00 | \$250.00 |
| 48 | Plans | Reflectorized Holding Position Sign | 1 | Each | \$2,000.00 | \$2,000.00 | \$2,100.00 | \$2,100.00 |
| 49 | Plans | High Flow Silt Fence | 870 | Ft | \$3.15 | \$2,740.50 | \$3.74 | \$3,253.80 |
| 50 | Plans | 9" Diameter Erosion Control Wattle | 200 | Ft | \$5.25 | \$1,050.00 | \$4.40 | \$880.00 |
| 51 | Plans | Type II Erosion Control Blanket | 7,610 | SqYd | \$1.89 | \$14,382.90 | \$1.90 | \$14,459.00 |
| Total Base Bid | | | | | \$2,013,194.15 | | \$2,023,577.13 | |

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. Schulz DATE: 6-13-2017



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

RUNWAY 12/30 RECONSTRUCTION
SIGURD ANDERSON FIELD
WEBSTER, SOUTH DAKOTA
AIP #3-46-0059-009-2017
HELMS #A-5919
REVISED ENGINEER'S ESTIMATE
JUNE 2017

Base Bid

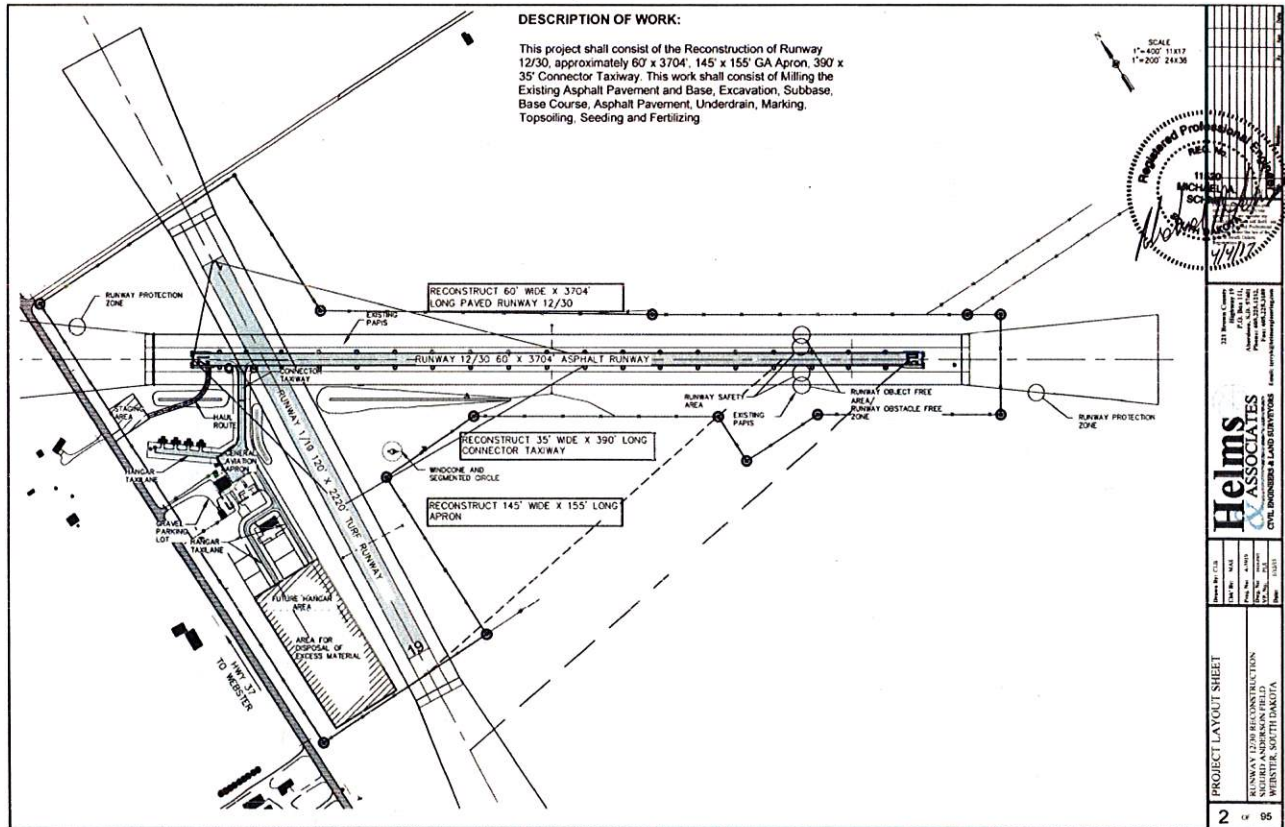
| Item # | Spec # | Item Description | Quantity | Unit | Unit Price | Total Price |
|-----------------------|-------------|--|----------|------|--------------|-----------------------|
| 1 | GP-105 | Mobilization | 1 | L.S. | \$400,000.00 | \$400,000.00 |
| 2 | GP-50 | Construction Staking | 1 | L.S. | \$22,000.00 | \$22,000.00 |
| 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$9,500.00 | \$9,500.00 |
| 4 | P-152 | Unclassified Excavation | 49,570 | CuYd | \$2.75 | \$136,317.50 |
| 5 | P-152 | Disposal of Excess Material | 30,204 | CuYd | \$1.25 | \$37,755.00 |
| 6 | P-154 | Subbase Course | 13,550 | CuYd | \$21.00 | \$284,550.00 |
| 7 | P-208 (MOD) | Aggregate Base Course | 4,972 | CuYd | \$22.00 | \$109,384.00 |
| 8 | P-401 | Bituminous Base/Surface Course | 5,080.0 | Ton | \$50.00 | \$254,000.00 |
| 9 | P-401 | Bituminous Binder (PG 64-34) | 360.0 | Ton | \$500.00 | \$180,000.00 |
| 10 | P-602 | Bituminous Prime Coat | 37.0 | Ton | \$1,050.00 | \$38,850.00 |
| 11 | P-603 | Bituminous Tack Coat | 12.0 | Ton | \$1,050.00 | \$12,600.00 |
| 12 | P-620 | Runway & Taxiway Painting | 1 | L.S. | \$15,000.00 | \$15,000.00 |
| 13 | D-701 | 18" RCP | 424 | Ft | \$40.00 | \$16,960.00 |
| 14 | D-701 | 18" RCP Flared End | 3 | Each | \$600.00 | \$1,800.00 |
| 15 | D-701 | 24" RCP | 710 | L.F. | \$44.00 | \$31,240.00 |
| 16 | D-701 | 24" RCP Flared End | 3 | Each | \$650.00 | \$1,950.00 |
| 17 | D-701 | 2' x 3' Storm Sewer Inlet w/Frame and Grate | 1 | Each | \$4,000.00 | \$4,000.00 |
| 18 | D-701 | 3' x 4' Storm Sewer Junction Box w/Manhole Frame and Lid | 1 | Each | \$3,500.00 | \$3,500.00 |
| 19 | D-705 (MOD) | 4" Perforated Underdrain Piping | 8,770 | Ft | \$6.50 | \$57,005.00 |
| 20 | D-705 (MOD) | Underdrain Cleanout | 27 | Each | \$125.00 | \$3,375.00 |
| 21 | D-705 (MOD) | Connect Underdrain Piping to RCP | 8 | Each | \$250.00 | \$2,000.00 |
| 22 | T-901 | Seeding and Fertilizing | 30.0 | Acre | \$400.00 | \$12,000.00 |
| 23 | T-905 | Topsailing | 8,250 | CuYd | \$3.00 | \$24,750.00 |
| 24 | TL-100 | Field Laboratory | 1 | L.S. | \$5,000.00 | \$5,000.00 |
| 25 | SP-1 | Full Depth Reclamation (10" Nominal Depth) | 29,160 | SqYd | \$1.00 | \$29,160.00 |
| 26 | SP-1 | Place and Compact Reclaimed Material (9" Nominal Depth) | 29,852 | SqYd | \$2.00 | \$59,704.00 |
| 27 | SP-2 | Geogrid | 2,000 | SqYd | \$3.00 | \$6,000.00 |
| 28 | SP-3 | Geotextile Separator Fabric | 32,323 | SqYd | \$1.25 | \$40,403.75 |
| 29 | L-108 | #6 Bare Counterpoise | 7,450 | Ft | \$1.10 | \$8,195.00 |
| 30 | Plans | Remove and Dispose 18" CMP Culvert | 198 | Ft | \$10.00 | \$1,980.00 |
| 31 | Plans | Remove and Dispose 24" CMP Culvert | 544 | Ft | \$10.00 | \$5,440.00 |
| 32 | Plans | Remove and Dispose Existing Aircraft Tie-Down | 2 | Sets | \$700.00 | \$1,400.00 |
| 33 | Plans | Remove and Dispose of Asphalt Surfacing | 232 | SqYd | \$5.00 | \$1,160.00 |
| 34 | Plans | Remove, Salvage, and Reset Existing Vegetation Control Rings | 79 | Each | \$11.00 | \$869.00 |
| 35 | Plans | Remove, Salvage and Reset Existing Taxiway Reflectors | 17 | Each | \$27.00 | \$459.00 |
| 36 | Plans | Temporary Access Approach | 1 | L.S. | \$7,500.00 | \$7,500.00 |
| 37 | Plans | Lower SuperAWOS / Wind Cone Electrical Circuit | 1 | L.S. | \$2,900.00 | \$2,900.00 |
| 38 | Plans | Raise Base Mount Runway / Taxiway Light (±1") | 8 | Each | \$425.00 | \$3,400.00 |
| 39 | Plans | Raise Base Mount Runway / Taxiway Light (±2") | 8 | Each | \$450.00 | \$3,600.00 |
| 40 | Plans | Raise Base Mount Runway / Taxiway Light (±3") | 5 | Each | \$450.00 | \$2,250.00 |
| 41 | Plans | Raise Base Mount Runway / Taxiway Light (±4") | 7 | Each | \$450.00 | \$3,150.00 |
| 42 | Plans | Raise Base Mount Runway / Taxiway Light (±5") | 3 | Each | \$450.00 | \$1,350.00 |
| 43 | Plans | Raise Base Mount Runway / Taxiway Light (±6") | 1 | Each | \$500.00 | \$500.00 |
| 44 | Plans | Raise Base Mount Runway / Taxiway Light (±7") | 1 | Each | \$500.00 | \$500.00 |
| 45 | Plans | Raise L-867 Junction Box (16" Diameter) | 3 | Each | \$550.00 | \$1,650.00 |
| 46 | Plans | Furnish and Install Aircraft Tie-Down | 2 | Sets | \$1,500.00 | \$3,000.00 |
| 47 | Plans | Full Depth Sawcutting | 50 | Ft | \$5.00 | \$250.00 |
| 48 | Plans | Reflectorized Holding Position Sign | 1 | Each | \$2,200.00 | \$2,200.00 |
| 49 | Plans | High Flow Silt Fence | 870 | Ft | \$3.50 | \$3,045.00 |
| 50 | Plans | 9" Diameter Erosion Control Wattle | 200 | Ft | \$5.50 | \$1,100.00 |
| 51 | Plans | Type II Erosion Control Blanket | 7,610 | SqYd | \$2.00 | \$15,220.00 |
| Total Base Bid | | | | | | \$1,869,922.25 |

| | |
|--------------------------------------|-----------------------|
| Bidding & Negotiations | \$4,340.00 |
| Construction Administration | \$54,350.00 |
| Construction Engineering | \$258,000.00 |
| Estimated Asphalt Testing | \$15,000.00 |
| Estimated Administration | \$18,387.75 |
| Estimated Total Project Costs | \$2,220,000.00 |

Webster Grant Support

Project Sketch/Description

**Sigurd Anderson Field
Webster, SD**



Project Description:
Runway, Apron, and Connector Taxiway Reconstruction

Project Narrative (Justification)

Geotechnical Exploration

A geotechnical exploration of the Apron Expansion is required for the pavement design.

Lower Apron Expansion

Apron expansion is needed to accommodate aircraft currently utilizing the airport. The existing apron was constructed in 2001 and approximately 60% of the annual operations have been itinerant. A total of 6,100 square yards of additional apron space is planned to be constructed. Phase I will consist of approximately 305' x 50' expansion to the northeast edge of the apron. Phase II will consist of approximately 100' x 200' expansion to the southeast edge of the apron. Phase III will be another expansion to the southeast edge of the apron approximately 100' x 200'. Associated items, such as markings, lighting, signs and tie-downs will also be constructed in each phase.

Currently, the apron is not adequate for the traffic trying to use it at the Winner Regional Airport. With the extension of the primary runway, the airport has continually received larger aircraft. It can be seen on the photo below (taken recently) that there is not adequate space for parked aircraft to be parked, fueling and to traverse through that location. An additional 50' on the northeast edge of the apron would allow for this scenario to occur safely.



The picture below from 2015 shows 5 aircraft parked on the northeast edge of the pavement and an additional 2 aircraft parked on the southwest edge of the pavement. The 5 aircraft are located on the current tie downs, however the 2 aircraft on the southwest are parked in front of the only available location for an FBO. If an FBO were to be constructed, those aircraft would have nowhere to park. Additionally, if an aircraft were parked to get fuel in the west corner of the apron (on the far side of the current hangars), 6 of the 7 aircraft shown would not be able to exit the apron and only a small aircraft would be able to enter the apron area.



The attached sheets are a record kept by the airport manager from 9/21/2015 to 11/3/2015 depicting most of the operations in that timeframe. Over 1,000 documented operations occurred in those 43 days. This is only a sampling of the operations of the airport, it is not a complete list of all operations in that time period.

The following are photos from 2016.



Winner Grant Support

Attachment 3

APRON EXPANSION PHASE I
 WINNER REGIONAL AIRPORT
 WINNER, SOUTH DAKOTA
 AIP #3-46-0061-015-2017

A-6331

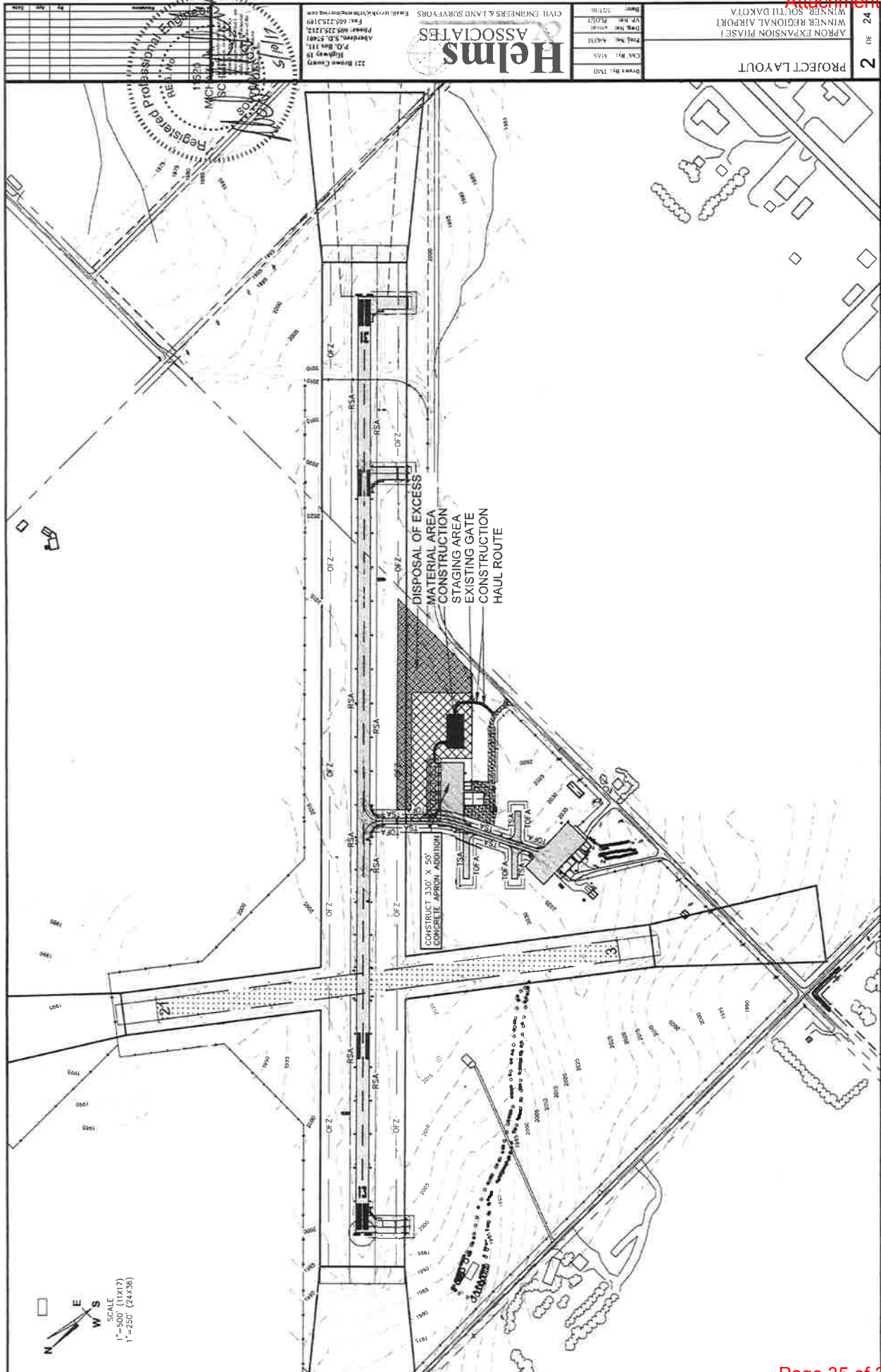
BID TABULATION

6/15/2017

| Item # | Spec # | Item Description | Quantity | Unit | VanderPol Dragline, Inc. Mitchell, SD | | RP&H, Inc. Reliance, SD | | Complete Concrete, Inc. Rapid City, SD | |
|-----------------------|-------------|---|----------|------|--|---------------------|----------------------------|---------------------|---|---------------------|
| | | | | | Unit Price | Total Price | Unit Price | Total Price | Unit Price | Total Price |
| 1 | GP-105 | Mobilization | 1 | L.S. | \$47,250.00 | \$47,250.00 | \$55,640.00 | \$55,640.00 | \$168,800.00 | \$168,800.00 |
| 2 | GP-50 | Construction Staking | 1 | L.S. | \$7,475.00 | \$7,475.00 | \$7,500.00 | \$7,500.00 | \$12,000.00 | \$12,000.00 |
| 3 | S-100 | Construction Safety Phasing Plan | 1 | L.S. | \$17,325.00 | \$17,325.00 | \$20,000.00 | \$20,000.00 | \$1,800.00 | \$1,800.00 |
| 4 | P-152 | Unclassified Excavation | 4.006 | CuYd | \$6.50 | \$26,039.00 | \$6.50 | \$26,039.00 | \$6.60 | \$26,439.60 |
| 5 | P-152 | Disposal of Excess Material | 2.281 | CuYd | \$1.80 | \$4,105.80 | \$3.50 | \$7,983.50 | \$0.60 | \$1,368.60 |
| 6 | P-154 | Subbase Course | 1,780 | CuYd | \$32.50 | \$57,850.00 | \$35.00 | \$62,300.00 | \$56.50 | \$100,570.00 |
| 7 | P-208 (MOD) | Aggregate Base Course | 315 | CuYd | \$50.30 | \$15,844.50 | \$52.00 | \$16,380.00 | \$66.00 | \$20,790.00 |
| 8 | P-501 | 8" PCC Pavement | 1,836 | SqYd | \$84.70 | \$155,509.20 | \$90.00 | \$165,240.00 | \$79.00 | \$145,044.00 |
| 9 | P-605 | Silicone Joint Sealing Filler | 2,810 | Ft | \$3.40 | \$9,554.00 | \$3.50 | \$9,835.00 | \$3.40 | \$9,554.00 |
| 10 | P-605 | Silicone Joint Sealing Filler w/Expansion Board | 40 | Ft | \$8.00 | \$320.00 | \$6.00 | \$240.00 | \$3.50 | \$140.00 |
| 11 | P-620 | Remove Existing Pavement Markings | 1 | L.S. | \$1,320.00 | \$1,320.00 | \$3,200.00 | \$3,200.00 | \$1,450.00 | \$1,450.00 |
| 12 | P-620 | Pavement Marking | 1 | L.S. | \$1,980.00 | \$1,980.00 | \$15,641.00 | \$15,641.00 | \$2,200.00 | \$2,200.00 |
| 13 | D-705 (MOD) | 6" Perforated Underdrain Pipe | 341 | Ft | \$10.20 | \$3,478.20 | \$15.00 | \$5,115.00 | \$18.00 | \$6,138.00 |
| 14 | D-705 (MOD) | Underdrain Cleanout | 1 | Each | \$250.00 | \$250.00 | \$300.00 | \$300.00 | \$421.00 | \$421.00 |
| 15 | D-705 (MOD) | Connect to Existing Underdrain | 1 | Each | \$200.00 | \$200.00 | \$200.00 | \$200.00 | \$300.00 | \$300.00 |
| 16 | T-901 | Seeding and Fertilizing | 2.5 | Acre | \$1,440.00 | \$3,600.00 | \$2,200.00 | \$5,500.00 | \$2,400.00 | \$6,000.00 |
| 17 | T-905 | Topsolling | 188 | CuYd | \$8.00 | \$1,504.00 | \$9.00 | \$1,692.00 | \$12.00 | \$2,256.00 |
| 18 | TL-100 | Field Laboratory, Type I | 1 | Each | \$500.00 | \$500.00 | \$4,700.00 | \$4,700.00 | \$7,200.00 | \$7,200.00 |
| 19 | Plans | Underdrain Cleanout Casting | 1 | Each | \$515.00 | \$515.00 | \$400.00 | \$400.00 | \$850.00 | \$850.00 |
| 20 | Plans | Aircraft Tie Downs | 5 | Set | \$720.00 | \$3,600.00 | \$1,400.00 | \$7,000.00 | \$700.00 | \$3,500.00 |
| 21 | Plans | Type II Erosion Control Blanket | 392 | SqYd | \$4.80 | \$1,881.60 | \$3.00 | \$1,176.00 | \$3.00 | \$1,176.00 |
| 22 | Plans | High Flow Silt Fence | 130 | Ft | \$6.00 | \$780.00 | \$4.00 | \$520.00 | \$3.50 | \$455.00 |
| Total Base Bid | | | | | | \$360,881.30 | | \$416,601.50 | | \$518,452.20 |

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. Schmidt DATE: 6-15-2017



| | |
|---------------------------------|----------------------------------|
| Sheet: 24716 | Drawn By: TMO |
| VP No.: 10/10/11 | Check No.: 10/10/11 |
| Proj. No.: 44311 | Scale: N/A |
| Client: WINNER REGIONAL AIRPORT | Project: APRON EXPANSION PHASE I |
| Location: WINNER, NORTH DAKOTA | |

221 Brown County
 P.O. Box 111
 Aberdeen, S.D. 57401
 Phone: 605.225.2121
 Fax: 605.225.2189
 Email: info@helmsassociates.com

HELMS ASSOCIATES
 CIVIL ENGINEERS & LAND SURVEYORS

Registered Professional Engineer
 License No. 111
 State of North Dakota

| | | |
|----------------|----|----|
| 2 | OF | 24 |
| PROJECT LAYOUT | | |