

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, Office of Aeronautics  
DATE: August 15, 2019  
SUBJECT: Financial Assistance Agreements

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

**Aberdeen 3-46-0001-040-2019**

Reconstruct taxiway C and C2, connector between C and D, removal of existing asphalt.

Federal Share	\$4,329,000.00
State Share	\$ 240,500.00
Local Share	\$ 240,500.00
Total	\$4,810,000.00

The Department recommends approval of state assistance in the amount of **\$240,500.00**

**Brookings 3-46-0005-031-2019**

Reconstruct GA apron, taxilane, access road with 35' apron expansion.

Federal Share	\$2,376,000.00
State Share	\$ 132,000.00
Local Share	\$ 132,000.00
Total	\$2,640,000.00

The Department recommends approval of state assistance in the amount of **\$132,000.00**

**Faith 3-46-0076-010-2019**

Environmental studies including cultural resource survey/inventory and wetland delineation for perimeter fence and land acquisition.

Federal Share	\$ 49,500.00
State Share	\$ 2,750.00
Local Share	\$ 2,750.00
Total	\$ 55,000.00

The Department recommends approval of state assistance in the amount of **\$2,750.00**

**Faulkton 3-46-0016-011-2019**

Reconstruction of south GA apron.

Federal Share	\$ 828,000.00
State Share	\$ 46,000.00
Local Share	\$ 46,000.00
Total	\$ 920,000.00

The Department recommends approval of state assistance in the amount of **\$46,000.00**

**Gettysburg 3-46-0017-011-2019**

Design and construct hangar taxilane pavement rehabilitation.

Federal Share	\$ 312,975.00
State Share	\$ 17,388.00
Local Share	\$ 17,387.00
Total	\$ 347,750.00

The Department recommends approval of state assistance in the amount of **\$17,388.00**

**Huron 3-46-0022-037-2019**

Upgrade REILs, runway and taxiway signing, LED lighting on runway 17/35

Federal Share	\$	637,505.00
State Share	\$	35,417.00
Local Share	\$	35,417.00
Total	\$	708,339.00

The Department recommends approval of state assistance in the amount of **\$35,417.00**

**McLaughlin 3-46-0031-009-2019**

Land Acquisition and appraisals for land and easements for RPZs and departure surfaces.

Federal Share	\$	121,500.00
State Share	\$	6,750.00
Local Share	\$	6,750.00
Total	\$	135,000.00

The Department recommends approval of state assistance in the amount of **\$6,750.00**

**Rapid City 3-46-0048-052-2019**

Design access road; design reconstruction of east terminal access road, reconstruct escalator/stairs in passenger terminal, chiller replacement, rehab taxiway (relocate 14-32 holdlines and signage to meet standards, acquire SRE, rehab terminal ticket counter and queuing area, passenger boarding bridge replacement.

Federal Share	\$4,559,000.00
State Share	\$ 253,277.78
Local Share	\$ 253,277.78
Total	\$5,065,555.56

The Department recommends approval of state assistance in the amount of **\$253,277.78**

**Rosebud 3-46-0082-011-2019**

Design and construct SRE building expansion.

Federal Share	\$ 441,000.00
State Share	\$ 24,500.00
Local Share	\$ 24,500.00
Total	\$ 490,000.00

The Department recommends approval of state assistance in the amount of **\$24,500.00**

**Spearfish 3-46-0065-025-2019**

Phase 2 planning – focused planning study cultural sites adjustment, miscellaneous planning study.

Federal Share	\$228,000.00
State Share	\$ 12,666.66
Local Share	\$ 12,666.67
Total	\$253,333.33

The Department recommends approval of state assistance in the amount of **\$12,666.67**

**Watertown 3-46-0058-034-2019**

Reconstruct terminal apron.

Federal Share	\$2,574,000.00
State Share	\$ 143,000.00
Local Share	\$ 143,000.00
Total	\$2,860,000.00

The Department recommends approval of state assistance in the amount of **\$143,000.00**

**Wessington Springs 3-46-0080-011-2019**

Reconstruction of runway 12/30 (60' x 3600') and connector taxiway to OFA (35' x 125').

Federal Share	\$1,948,500.00
State Share	\$ 108,250.00
Local Share	\$ 108,250.00
Total	\$2,165,000.00

The Department recommends approval of state assistance in the amount of **\$108,250.00**

**Yankton 3-46-0062-029-2019**

Construct apron expansion, remove hangar, relocate two hangars.

Federal Share	\$1,514,000.00
State Share	\$ 84,112.00
Local Share	\$ 84,111.22
Total	\$1,682,223.22

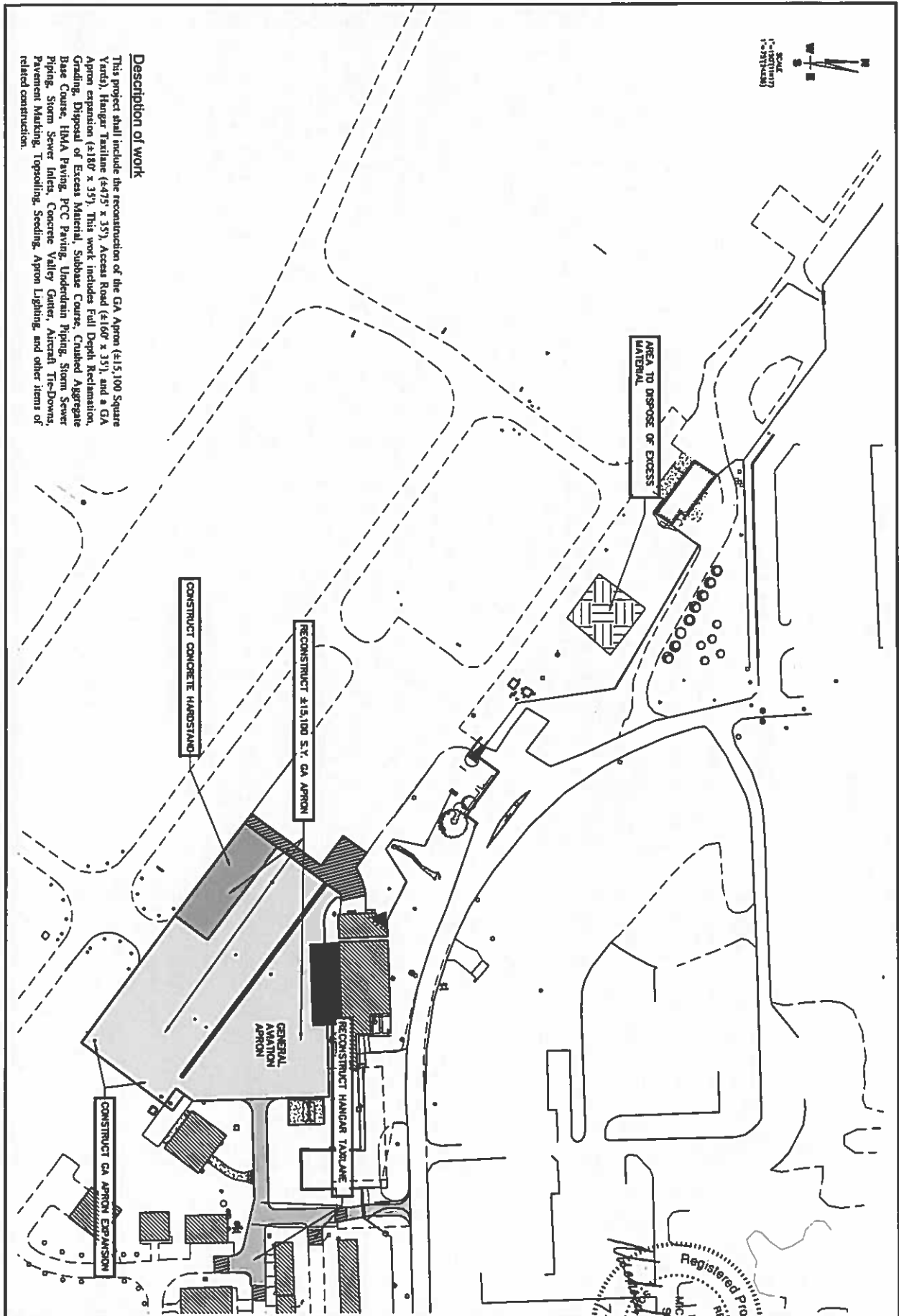
The Department recommends approval of state assistance in the amount of **\$84,112.00**

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b> AIP #3-46-0001-040-2019
<b>AIRPORT:</b> Aberdeen Regional Airport
<p><b>1. Objective:</b></p> <p>This project shall include the rehabilitation of Taxiway C and C2, the construction of a new connector taxiway from Parallel Taxiway D to Parallel Taxiway C, and the removal of existing asphalt and concrete surfacing on portions of Taxiway C to be abandoned.</p>
<p><b>2. Benefits Anticipated:</b></p> <p>The rehabilitated taxiway will allow for the continued safe operation at the airport. The new connector will be constructed to accommodate the 2016 project changes.</p>
<p><b>3. Approach:</b> (See approved Scope of Work in Final Application)</p> <p>Design Rehabilitation Assemble and Submit CSPP Develop and Submit Engineer's Design Report Advertise for Bids Complete Construction of Taxiway C Rehabilitation</p>
<p><b>4. Geographic Location:</b></p> <p>Aberdeen Regional Airport Aberdeen, Brown County, South Dakota</p>
<p><b>5. If Applicable, Provide Additional Information:</b></p>
<p><b>6. Sponsor's Representative:</b> (include address &amp; telephone number)</p> <p>Lynn Lander, City Manager                      605-626-7025 123 S. Lincoln St. Aberdeen, SD 57401-4215</p>

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b> AIP #3-46-0005-031-2019
<b>AIRPORT:</b> Brookings Regional Airport
<p><b>1. Objective:</b></p> <p>Reconstruction of the General Aviation Apron (±15,000 Square Yards), Hangar Taxilane (±35' x 475') and Access Road (±35' x 160') with the Construction of an Apron Expansion (±35' x 160')</p> <p>The 2015 Pavement Condition Index (PCI) Survey resulted in a 17 for both the GA Apron and Hangar Taxilane.</p>
<p><b>2. Benefits Anticipated:</b></p> <p>A new GA Apron has been designed to allow the general aviation aircraft in Brookings to use the apron in a safe and efficient manner. Drainage will be improved on the site to allow for increased longevity of the new pavements.</p>
<p><b>3. Approach:</b> (See approved Scope of Work in Final Application)</p> <p>Completed Geotechnical Exploration Design Apron Reconstruction Submit CSPP Submit Engineer's Design Report Advertise for Bids Complete Construction Project</p>
<p><b>4. Geographic Location:</b></p> <p>Brookings Regional Airport Brookings, Brookings County, South Dakota</p>
<p><b>5. If Applicable, Provide Additional Information:</b></p>
<p><b>6. Sponsor's Representative:</b> (include address &amp; telephone number)</p> <p>Jackie Lanning, City Engineer      605-692-6629 PO Box 270 Brookings, SD 57006</p>



**Description of work**  
 This project shall include the reconstruction of the GA Apron (415,100 Square Yards), Hangar Taxilane (4475' x 35'), Access Road (4160' x 35'), and a GA Apron expansion (4180' x 35'). This work includes Full Depth Reclamation, Grading, Disposal of Excess Material, Subbase Course, Crushed Aggregate Base Course, HMA Paving, PCC Paving, Underdrain Piping, Storm Sewer Piping, Storm Sewer Inlets, Concrete Valley Gutter, Aircraft Tie-Downs, Pavement Marking, Topsoiling, Seeding, Apron Lighting, and other items of related construction.

2 OF 50	<b>PROJECT LAYOUT</b>	Drawn By: TMS
	APRON AND TAXILANE IMPROVEMENTS BROOKINGS REGIONAL AIRPORT BROOKINGS, SOUTH DAKOTA	CWD By: MMS Proj No: A4401 Des No: 00001 VP No: P007 Date: 11/27/18

**Helms & ASSOCIATES**  
 CIVIL ENGINEERS & LAND SURVEYORS

211 Brown County Highway 19  
 Aberdeen, S.D. 57401  
 Phone: 605.228.1212 Fax: 605.228.3199  
 Email: berryl@helms-engineering.com

Registered Professional Engineer  
 State of South Dakota  
 No. 10-209  
 Michael J. Perry  
 11/27/18



**Faith Municipal Airport  
Faith, SD**

**2019 Project Description/Justification:**

Land Acquisition and Perimeter Fence:

This project is to conduct the environmental studies required to request approval for land acquisition and a perimeter fence. The City currently owns property for a 250' primary surface. With request of a GPS approach, the primary surface will expand to 500'. The City is planning to acquire the additional 125' on each side of the runway in addition to the runway protection zone for the Runway 13 End. A perimeter fence is required to deter wildlife and provide security around the airport.

Environmental studies are anticipated to include cultural resource survey/inventory, and wetland delineation. The overall cost shall be \$50,000 and a federal grant request shall be \$45,000. This is not an LOI project.



Designer: JTH  
 Technician: JBT  
 Checked By:  
 Project Number: S12-S755

No.	Description	Date	By

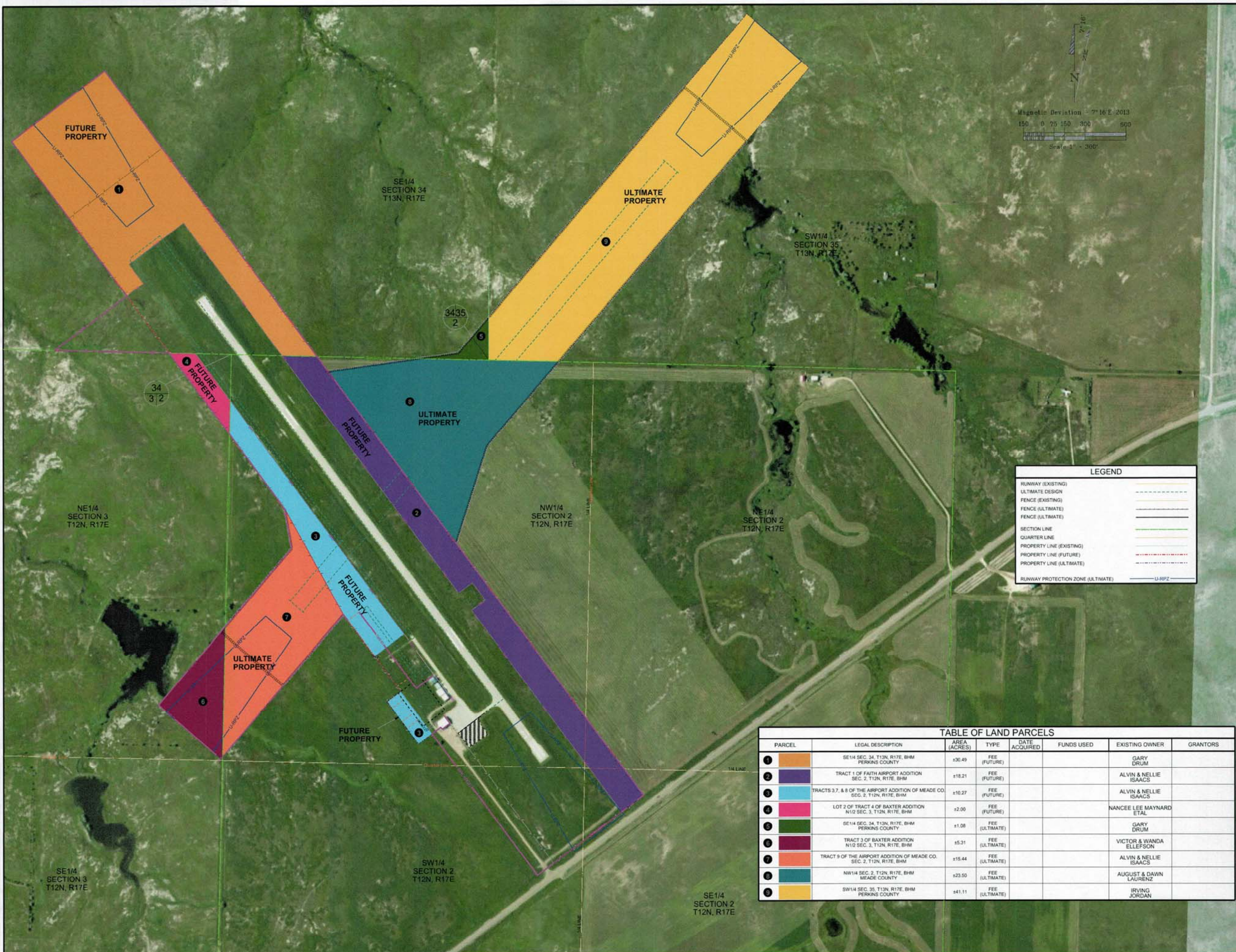
Project Name:  
**FAITH AIRPORT LAYOUT PLAN**  
 EXISTING, FUTURE / ULTIMATE CONDITIONS

Drawing Name:  
**AIRPORT PROPERTY (EXHIBIT "A") FUTURE & ULTIMATE**

FAA A.I.P. Project Number:  
 3-46-0076-07-2012

Microstation Drawing Reference:  
 BEI Server: S:/2012proj/12755S/Design/

Date: January 20, 2017	Division: Design/Draft
Plot Scale: 1" = 300'	Drawing Number: 15 of 16



PARCEL	LEGAL DESCRIPTION	AREA (ACRES)	TYPE	DATE ACQUIRED	FUNDS USED	EXISTING OWNER	GRANTORS
1	SE1/4 SEC. 34, T13N, R17E, BHM PERKINS COUNTY	±30.49	FEE (FUTURE)			GARY DRUM	
2	TRACT 1 OF FAITH AIRPORT ADDITION SEC. 2, T12N, R17E, BHM	±18.21	FEE (FUTURE)			ALVIN & NELLIE ISAACS	
3	TRACTS 3, 7, & 8 OF THE AIRPORT ADDITION OF MEADE CO. SEC. 2, T12N, R17E, BHM	±10.27	FEE (FUTURE)			ALVIN & NELLIE ISAACS	
4	LOT 2 OF TRACT 4 OF BAXTER ADDITION N1/2 SEC. 3, T12N, R17E, BHM	±2.00	FEE (FUTURE)			NANCEE LEE MAYNARD ETAL	
5	SE1/4 SEC. 34, T13N, R17E, BHM PERKINS COUNTY	±1.08	FEE (ULTIMATE)			GARY DRUM	
6	TRACT 3 OF BAXTER ADDITION N1/2 SEC. 3, T12N, R17E, BHM	±5.31	FEE (ULTIMATE)			VICTOR & WANDA ELLEFSON	
7	TRACT 9 OF THE AIRPORT ADDITION OF MEADE CO. SEC. 2, T12N, R17E, BHM	±15.44	FEE (ULTIMATE)			ALVIN & NELLIE ISAACS	
8	NW1/4 SEC. 2, T12N, R17E, BHM MEADE COUNTY	±23.50	FEE (ULTIMATE)			AUGUST & DAWN LAURENZ	
9	SW1/4 SEC. 35, T13N, R17E, BHM PERKINS COUNTY	±41.11	FEE (ULTIMATE)			IRVING JORDAN	

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)**PROJECT:** AIP #3-46-0016-011-2019**AIRPORT:** Faulkton Municipal Airport**1. Objective:**

Reconstruction of South General Aviation Apron

The latest results from the Pavement Condition Index (PCI) surveys indicated a 14 for the apron. In 2015, the PCI was 34 and in 2012 the PCI was 78.

**2. Benefits Anticipated:**

The pavements have exceeded the end of their useful lives and are in need of reconstruction. A reconstructed General Aviation Apron will allow aircraft to utilize the apron in a safe and efficient manner. Drainage will be improved on site to allow for increased longevity of new pavement. Taxiway transitions will be included in the project as necessary.

**3. Approach:** (See approved Scope of Work in Final Application)

Completed Geotechnical Subgrade Exploration  
Completed Topographic Survey  
Design Apron Reconstruction  
Develop Preliminary Engineer's Design Report  
Develop Construction Safety Plan  
Submit Plans & Specifications for FAA Review  
Reconstruct GA Apron

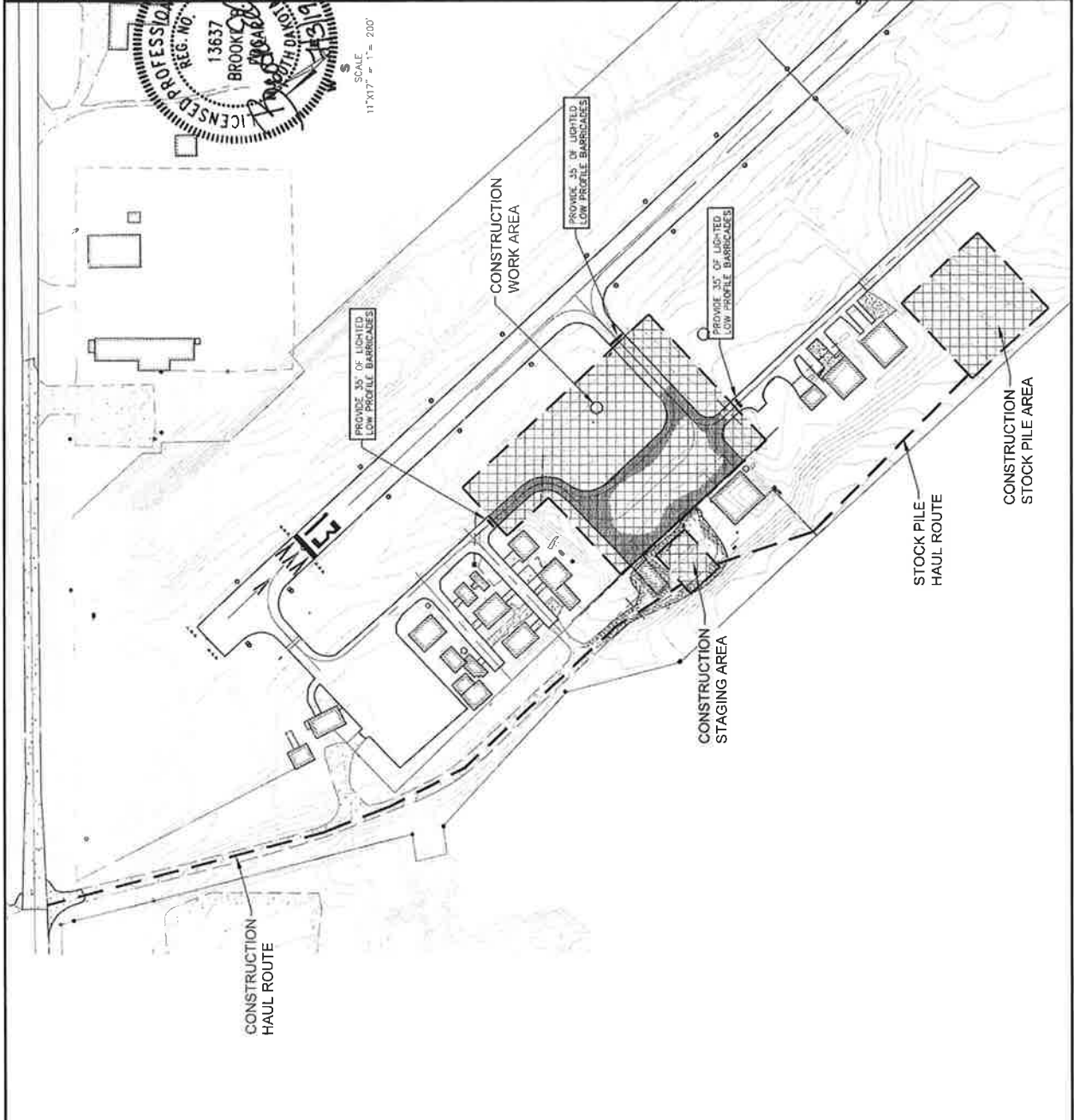
**4. Geographic Location:**

Faulkton Municipal Airport  
Faulkton, Faulk County, South Dakota

**5. If Applicable, Provide Additional Information:****6. Sponsor's Representative:** (include address & telephone number)

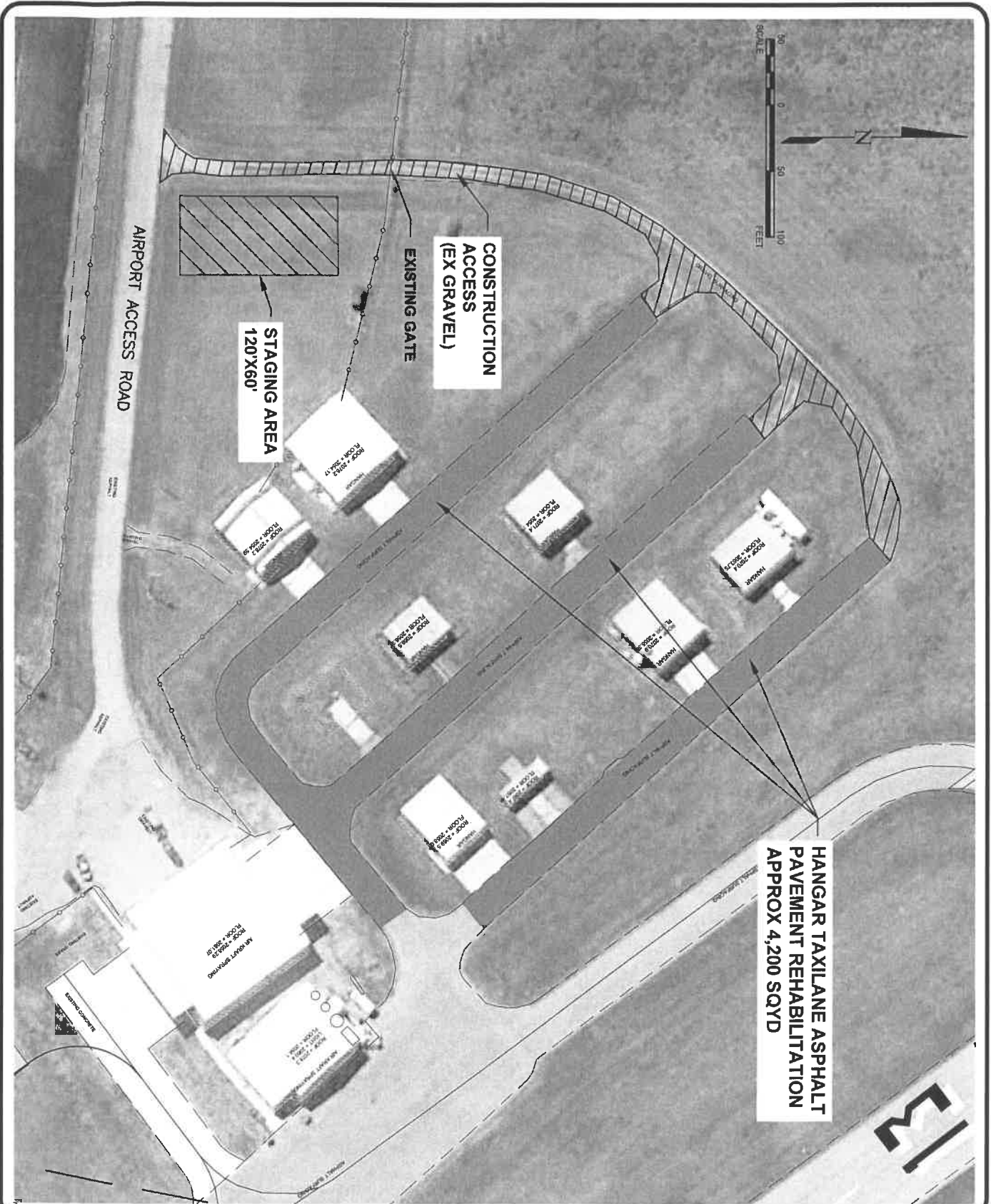
Slade Roseland, Mayor                      605-598-6515  
PO Box 21  
Faulkton, SD 57438

	<b>Helms &amp; ASSOCIATES</b> CIVIL ENGINEERS & LAND SURVEYORS 221 Brown Court Highway 39 Aberdeen, S.D. 57401 Phone: 605.225.3122 Fax: 605.225.3189 Email: bob@helmsandassociates.com	DRAWN BY: WFO C.A. No.: BBE PLAN No.: A-124 DATE: 5/9/19	<b>PROJECT LAYOUT PLAN</b> ARON RECONSTRUCTION FAULKTON MUNICIPAL AIRPORT FAULKTON, SOUTH DAKOTA
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**Description of Work**  
 This project shall include the reconstruction of the CA Apron (±150' x 200'). This work includes grading, subbase course, aggregate base course, underdrain piping, Bituminous paving, pavement marking, topsoiling, seeding, aircraft tie-downs, and other items of related construction.

Nov 13, 2018 - 8:56am - P:\Airports\SD\Gettysburg\FAA\Pre-Application 2019\Gettysburg Grant PreApplication 2019.dwg (2019 PreApp)



# HANGAR TAXILANES REHABILITATION

GETTYSBURG MUNICIPAL AIRPORT  
GETTYSBURG, SOUTH DAKOTA

2019 GRANT PRE-APPLICATION SKETCH



ISSUE DATE	11/12/18
PROJECT NUMBER	
REVIEWED	MDW
GRANTED	MDW

**Project Narrative (Justification)**  
**2019 FAA Grant Pre-Application**  
**Gettysburg Municipal Airport**

**Project Item**

Hangar Taxilanes Pavement Rehabilitation

**What is the Project?**

The project will consist of pavement resurfacing for the three hangar taxilanes (approx 1460' total length).

**Why is the Project Needed Now?**

The project is needed now as the existing taxilane pavements have 2018 PCI values of 39, 46, 46 & 39 (poor to very poor) and have outlived their useful life. There are continual FOD issues and frequent repairs are required to maintain the pavements.

**Is the Project Phased?**

No. The project will be designed and constructed in a single season with a single grant.

**Total AIP Funds Expended?**

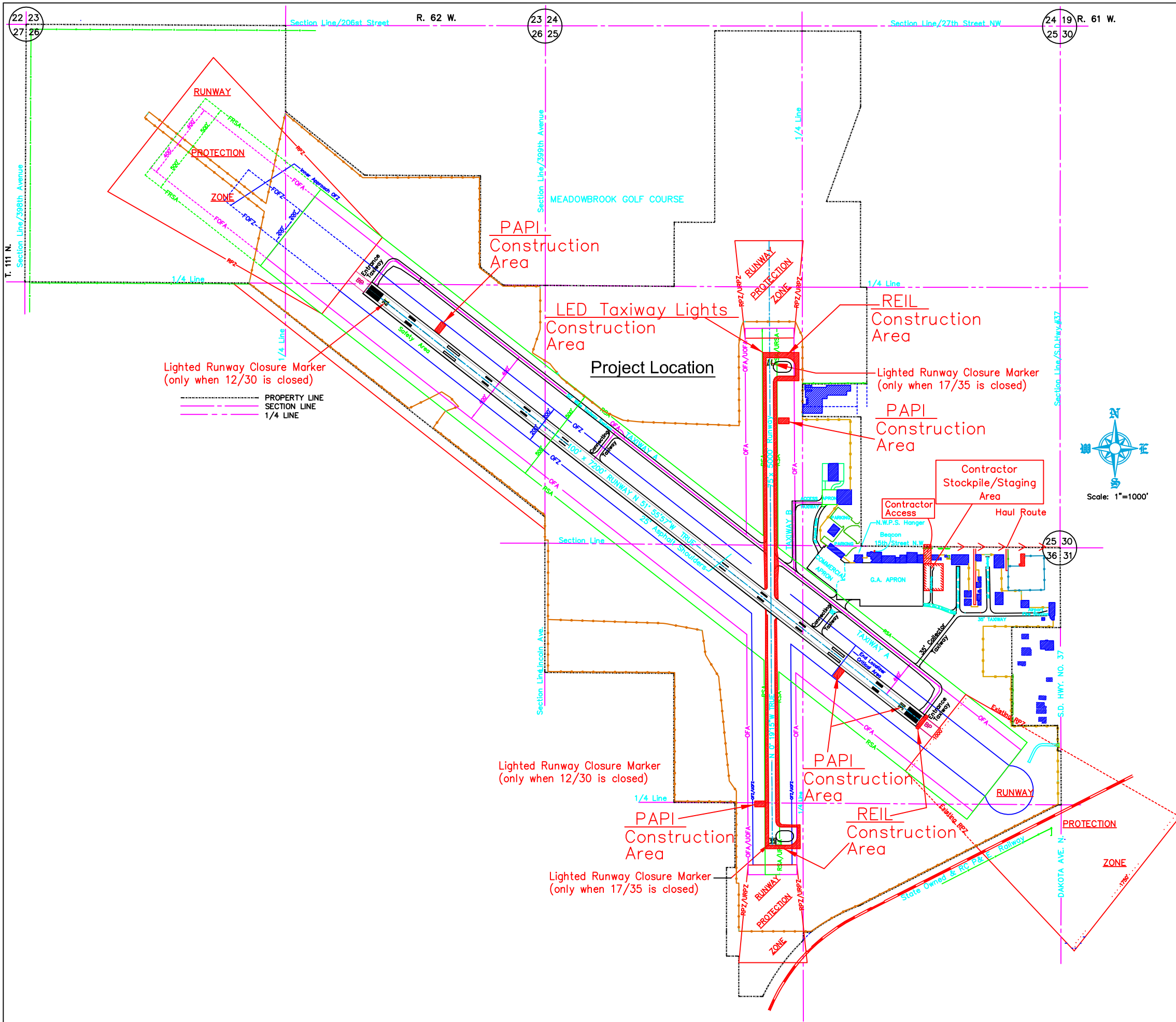
\$312,975

**Additional AIP Funds Needed to Complete Project?**

None

**Other**

Low bidder (Morris) rejected bid 31 days after bid opening since no grant offer was received yet. SD state law states that you can't go after contractor bid bond after 30 days. Project will be awarded to second low bidder (Sharpe Enterprises).



Lighted Runway Closure Marker (only when 12/30 is closed)

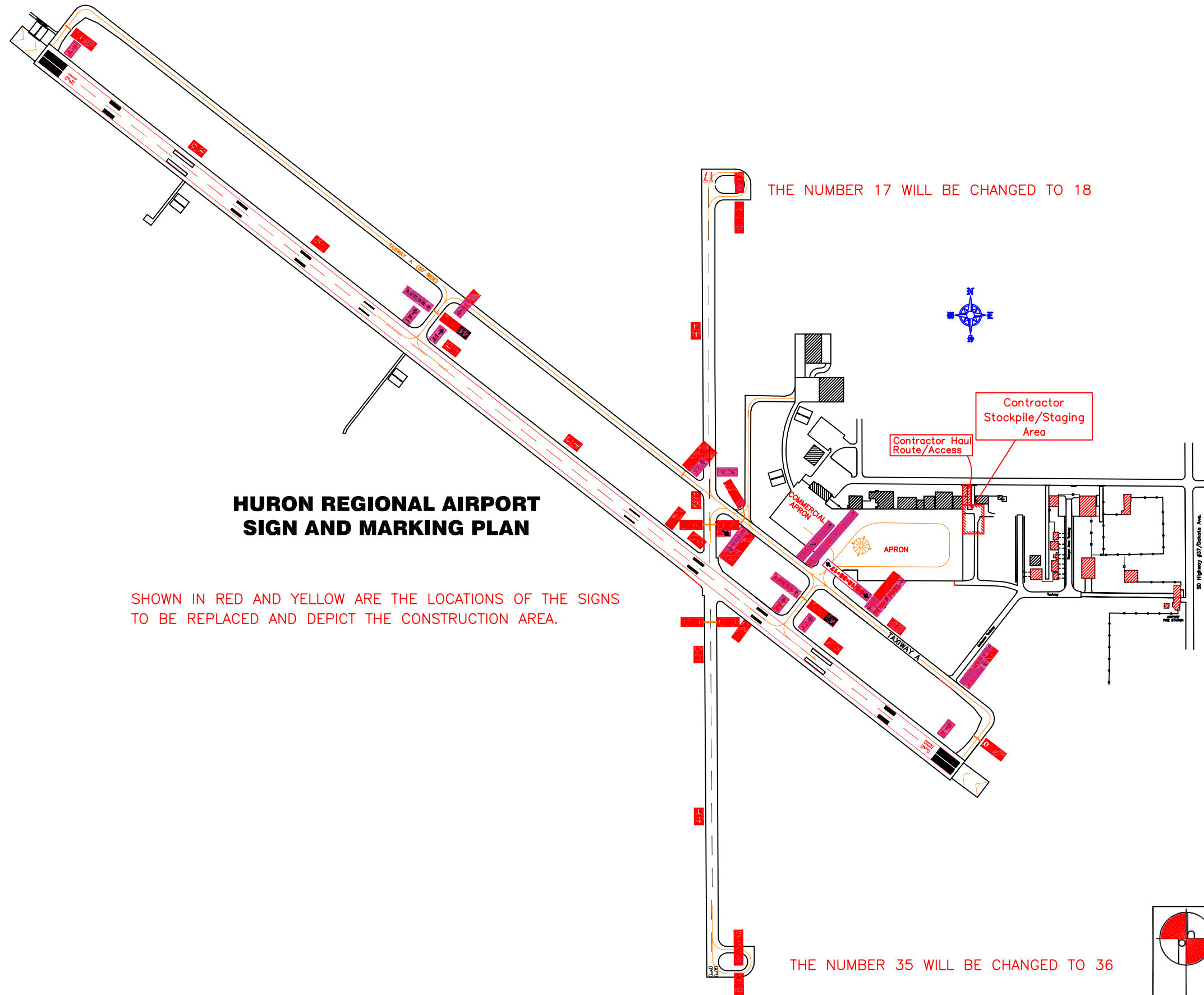
PROPERTY LINE  
SECTION LINE  
1/4 LINE

Lighted Runway Closure Marker (only when 12/30 is closed)

Lighted Runway Closure Marker (only when 17/35 is closed)

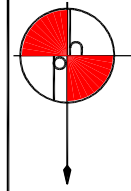


	<b>PIERCE &amp; HARRIS ENGINEERING</b>	
	SUITE 15 MASONIC BLDG.	HURON, SOUTH DAKOTA
	ENVIRONMENTAL PLAN FOR LIGHTING, PAPIs & REILs	
HURON REGIONAL AIRPORT A.I.P. No. 3-46-0022-37		
HA37 Environmental 1A	Date: March 2019	Dwn By: DAG/CAD Sheet 1 of 2



**HURON REGIONAL AIRPORT  
SIGN AND MARKING PLAN**

SHOWN IN RED AND YELLOW ARE THE LOCATIONS OF THE SIGNS TO BE REPLACED AND DEPICT THE CONSTRUCTION AREA.

	<b>PIERCE &amp; HARRIS ENGINEERING</b>	
	SUITE 15 MASONIC BLDG.	HURON, SOUTH DAKOTA
	ENVIRONMENTAL PLAN FOR SIGN & NUMBER LOCATIONS	
HURON REGIONAL AIRPORT A.I.P. No. 3-46-0022-37		HA37 Environmental 2A Scale: 1"=1000'    Date: March 2017    Dwn By: DAG/CAD    Sheet 2 of 2



## PROJECT NARRATIVE

Upgrade REILs, Runway and Taxiway signs, and LED lighting on Runway 17/35

The existing Runway 17/35 lighting system and all of the signs, and Runway End Identifier Lights are over 25 years old. Although they are functioning they are having an increasing number of outages and spare parts are becoming scarce and expensive. In order to insure operational reliability and continued functionality the systems should be upgraded. There would also be considerable energy savings when the equipment is upgraded to LED.

## COST SUMMARY

## MCLAUGHLIN MUNICIPAL AIRPORT (MCLAUGHLIN, SD)

## LAND ACQUISITION

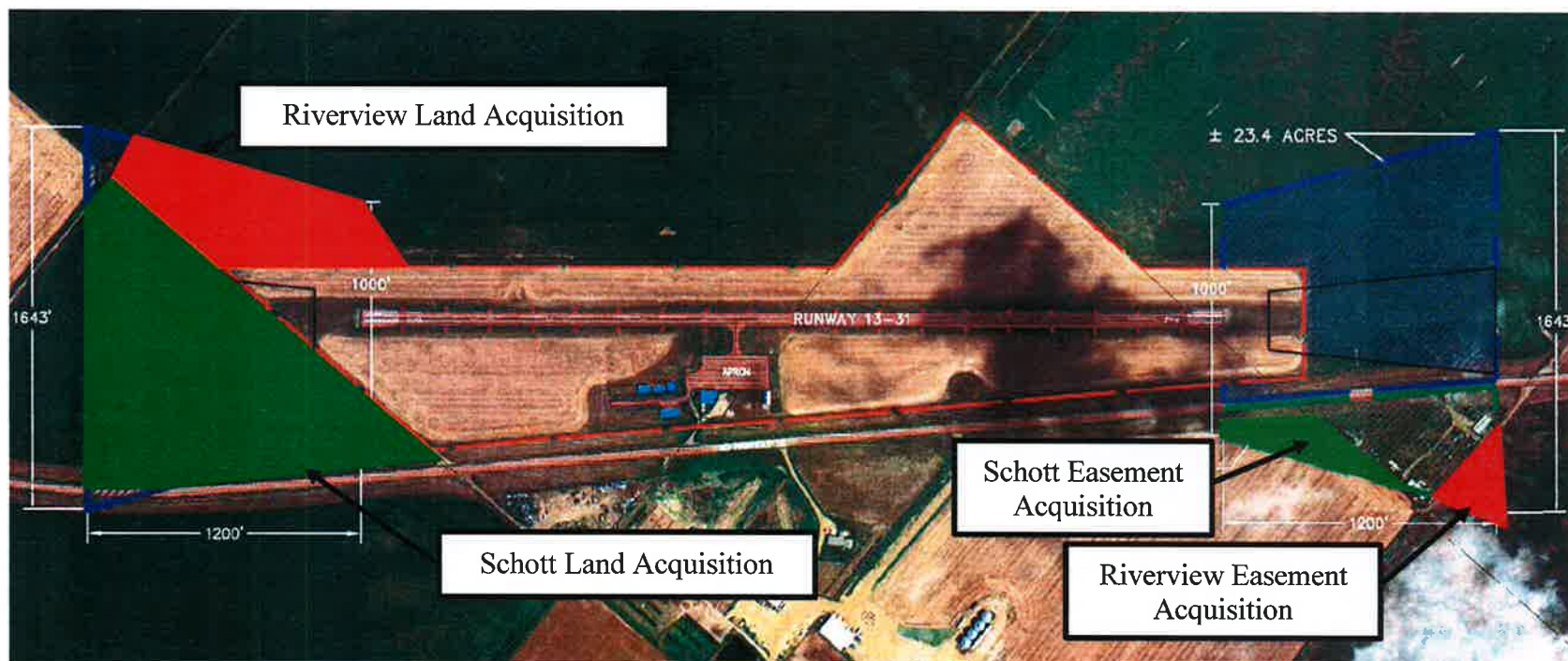
LAND ACQUISITION	CONTRACTED	\$ 61,405.11
Riverview Purchase (9.17 acres for \$17,677.11)		
Riverview Easement (1.19 acres for \$2,000.00)		
Schott Purchase (23.35 acres for \$39,228.00)		
Schott Easement (1.57 acres for \$2,500.00)		
LAND APPRAISAL	REIMBURSEMENT	\$ 23,666.67
Review for 4 of 6 properties by SDDOT (4/6 of \$7,500)		
Appraisal for 4 of 6 properties by Northern Plains Appraisal, LLC (4/6 of \$28,000)		
LAND ACQUISITION ASSISTANCE	ESTIMATED	\$ 39,343.19
Costs to date (75% of \$19,124.25)		
Estimated remaining costs (\$5,000)		
Estimated Exhibit A Update (\$20,000)		
<u>ADMINISTRATION</u>		<u>\$ 10,585.03</u>
	<b>TOTAL PROJECT COST</b>	<b>\$ 135,000.00</b>

90% FEDERAL	\$ 121,500
5% STATE	\$ 6,750
5% LOCAL	\$ 6,750
<b>TOTAL</b>	<b>\$ 135,000</b>

**Project Sketch/Description**

**McLaughlin Municipal Airport**  
**McLaughlin, SD**

Land Acquisition for RPZ and Departure Surfaces to the end of the RPZ limits



**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b>
<b>AIRPORT:</b>
<b>1. Objective:</b>
<b>2. Benefits Anticipated:</b>
<b>3. Approach:</b> (See approved Scope of Work in Final Application)
<b>4. Geographic Location:</b>
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number)

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b>
<b>AIRPORT:</b>
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<b>6. Sponsor's Representative:</b> (include address & telephone number)

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b>
<b>AIRPORT:</b>
<b>1. Objective:</b> <p>The terminal building was placed into service in 1987 to include the existing escalators and elevator. The escalators have been a source of consistent maintenance in recent years and mechanically cannot be adjusted any further to maintain operations. In addition to this situation, the escalators, elevator and stairway have limited visibility and as the passenger demographics have changed over time and their location has become a source of confusion. To improve vertical circulation and wayfinding, the existing escalators and elevator would be relocated with co-located up/down escalators along with a stairway and adjacent new elevator location.</p> <p>The existing chiller when fully functional operates with two compressor units. One of the compressor units has failed and the existing chiller will not be able to properly maintain terminal temperatures during extreme temperature conditions. Additionally, maintenance issues have increasing with the availability of some components being limited. Unit will be replaced in its current location with no building modifications required.</p>
<b>2. Benefits Anticipated:</b>
<b>3. Approach:</b> (See approved Scope of Work in Final Application)
<b>4. Geographic Location:</b>
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number)

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b> Rehabilitate Taxiway - Relocation of Runway 14-32 Hold Lines and Signage to meet Setback Standards - Design/Bidding Services
<b>AIRPORT:</b>
<b>1. Objective:</b>
<b>2. Benefits Anticipated:</b>
<b>3. Approach:</b> (See approved Scope of Work in Final Application)
<b>4. Geographic Location:</b>
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number)

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b>
<b>AIRPORT:</b>
<b>1. Objective:</b>
<b>2. Benefits Anticipated:</b>
<b>3. Approach:</b> (See approved Scope of Work in Final Application)
<b>4. Geographic Location:</b>
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number)



**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b>
<b>AIRPORT:</b>
<b>1. Objective:</b>
<b>2. Benefits Anticipated:</b>
<b>3. Approach:</b> (See approved Scope of Work in Final Application)
<b>4. Geographic Location:</b>
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number)


**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b>
<b>AIRPORT:</b>
<b>1. Objective:</b>
<b>2. Benefits Anticipated:</b>
<b>3. Approach:</b> (See approved Scope of Work in Final Application)
<b>4. Geographic Location:</b>
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number)

# RTR and GA Access Roads

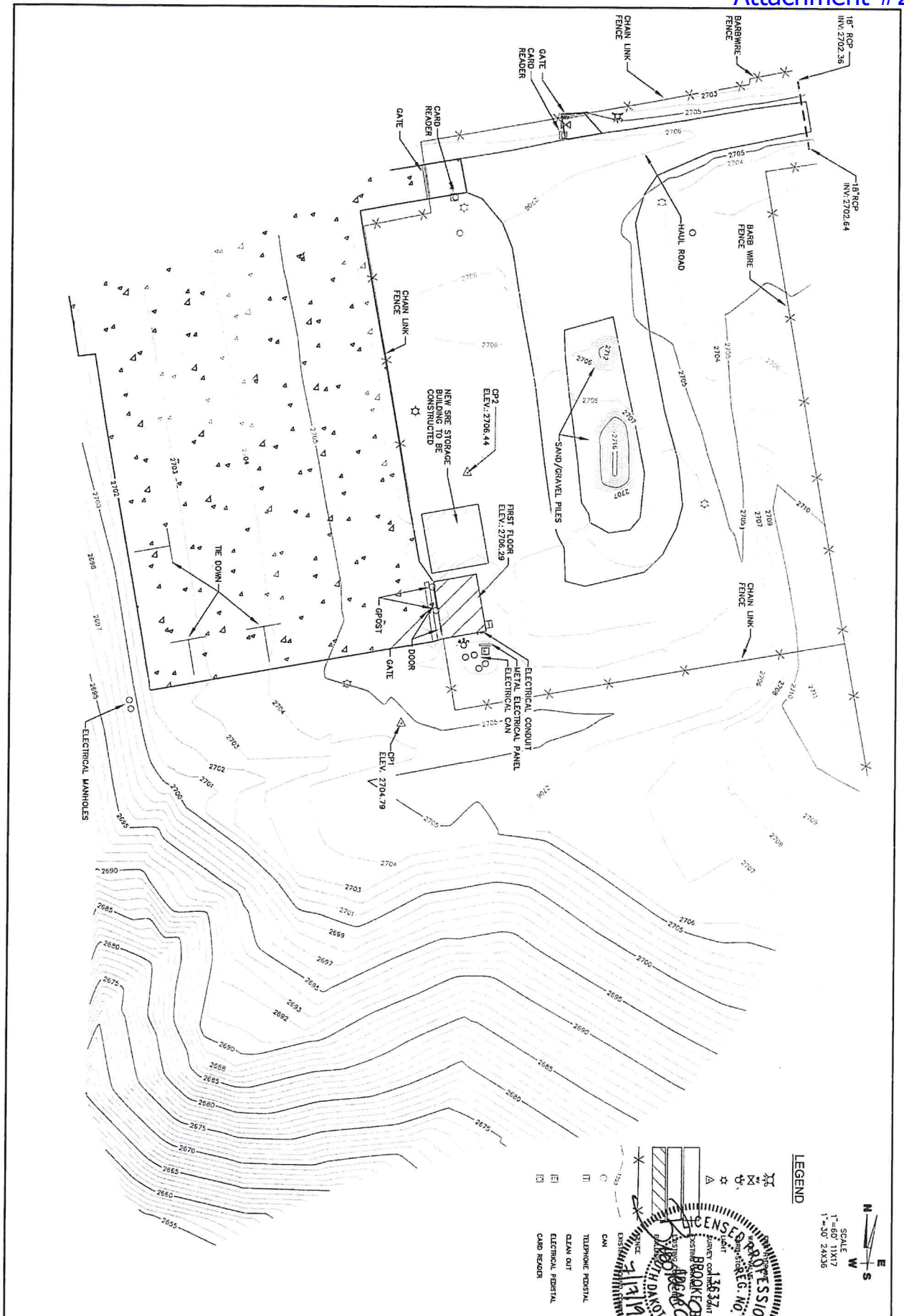
General Location Layout

## Legend

 Rapid City Regional Airport

GA Access Road  
Realignment





**LEGEND**

- ▲: SAND/GRAVEL PILES
- ☆: METAL ELECTRICAL PANEL
- : ELECTRICAL CONDUIT METAL ELECTRICAL CAN
- : ELECTRICAL PANEL
- : CARD READER
- : GATE
- : CHAIN LINK FENCE
- : BARSBREW FENCE
- : HAIL ROAD
- : ELECTRICAL MANHOLES
- : NEW SRE STORAGE BUILDING TO BE CONSTRUCTED
- : FIRST FLOOR METAL ELECTRICAL PANEL
- : SAND/GRAVEL PILES
- : GATE
- : CHAIN LINK FENCE
- : BARSBREW FENCE
- : HAIL ROAD
- : ELECTRICAL MANHOLES

**SCALE**  
 1" = 60' 11X17  
 1" = 30' 24X36

**PROFESSIONAL ENGINEER**  
 BROOKER  
 LICENSED PROFESSIONAL ENGINEER  
 NO. 18632  
 STATE OF SOUTH DAKOTA

**PROJECT LAYOUT PLAN**

ROSEBUD SIOUX TRIBAL AIRPORT  
 ROSEBUD SIOUX TRIBE  
 ROSEBUD, SOUTH DAKOTA

Drawn By: AMG  
 Check By: BBE  
 Proj. No: A-7146  
 Des. No: 7146-1  
 V.P. No: 1028  
 Date: 7/6/19

**Helms & Associates**  
 CIVIL ENGINEERS & LAND SURVEYORS

221 Brown County Highway 19  
 P.O. Box 111,  
 Aberdeen, S.D. 57401  
 Phone: 605.225.1211  
 Fax: 605.225.3189  
 Email: bobb@hlmascglaw.com


**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b> AIP #3-46-0082-011-2019
<b>AIRPORT:</b> Rosebud Sioux Tribal Airport
<b>1. Objective:</b> Design and Construct SRE Building Expansion
<b>2. Benefits Anticipated:</b> The new SRE equipment purchased for the airport is too large for the existing SRE building. The expansion will provide adequate storage for the new equipment.
<b>3. Approach:</b> (See approved Scope of Work in Final Application) Design Expansion for SRE Building Develop CSPP Advertise for Bids Award to lowest responsible bidder Construct SRE Building Expansion
<b>4. Geographic Location:</b> Rosebud Sioux Tribal Airport Rosebud, Todd County, South Dakota
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number) Rodney Bordeaux, President                      605-854-3731 PO Box 430 Rosebud, SD 57570

**Part IV - Program Narrative**

(Suggested Format)

<b>PROJECT:</b> Phase 2 Planning - Focused Planning Study Additional Cultural Sites
<b>AIRPORT:</b> Black Hills Airport / Clyde Ice Field
<p><b>1. Objective:</b></p> <p>The Focused Planning Study funded in 2017 was to study a potential crosswind runway to include a Historic and Cultural Resources Pedestrian Inventory with Tribal Review, Coordination and Administration of one Tribal Consultation Meeting, Wetland Delineation, Biological Resources Survey and complete a Runway Protection Zone (RPZ) Analysis for Proposed Runway 5. The original scope and fee provided for the Cultural Resource Inventory includes the recording of up to five cultural resources and if more than five cultural resources need to be documented or revisited (updated), additional costs will be accrued at a rate of \$450.00 per resource. Eighty cultural resources were encountered or 75 more than provided for in the original document.</p>
<p><b>2. Benefits Anticipated:</b></p> <p>Increased safety and operational use by providing a second crosswind runway during weather events that do on support the use of Runway 13-31.</p>
<p><b>3. Approach:</b> <i>(See approved Scope of Work in Final Application)</i></p> <p>This will complete this planning phase.</p>
<p><b>4. Geographic Location:</b></p> <p>Black Hills Airport / Clyde Ice Field - City of Spearfish - County of Lawrence - State of South Dakota</p>
<p><b>5. If Applicable, Provide Additional Information:</b></p> <p>This is not a Letter of Intent project.</p>
<p><b>6. Sponsor's Representative:</b> <i>(include address &amp; telephone number)</i></p> <p>Mr. Michael Harmon - City Administrator - City of Spearfish          625 North Fifth Street          Spearfish, SD 57783 Telephone: (605) 642-1333</p>

**Part IV - Program Narrative**

(Suggested Format)

<b>PROJECT:</b> Phae 3 - Miscellaneous Planning Study
<b>AIRPORT:</b> Black Hills Airport / Clyde Ice Field
<p><b>1. Objective:</b></p> <p>The planning effort will expand upon the issues encountered in the Focused Planning Study funded in 2017 which was to study a potential crosswind runway to include a Historic and Cultural Resources Pedestrian Inventory with Tribal Review, Coordination and Administration of one Tribal Consultation Meeting, Wetland Delineation, Biological Resources Survey and complete a Runway Protection Zone (RPZ) Analysis for Proposed Runway 5. This phase will evaluate runway alignments in regards to the impacts identified in the previous effort with the intent of defining an alignment to be evaluated in a future environmental assessment.</p>
<p><b>2. Benefits Anticipated:</b></p> <p>Improve the safety of aviation community utilizing the airport both in the air and on the ground.</p>
<p><b>3. Approach:</b> <i>(See approved Scope of Work in Final Application)</i></p> <p>This is a single phase planning project.</p>
<p><b>4. Geographic Location:</b></p> <p>Black Hills Airport / Clyde Ice Field - Spearfish, SD</p>
<p><b>5. If Applicable, Provide Additional Information:</b></p> <p>This is not a Letter of Intent project.</p>
<p><b>6. Sponsor's Representative:</b> <i>(include address &amp; telephone number)</i></p> <p>Mr. Michael Harmon - City Administrator - City of Spearfish          625 North Fifth Street          Spearfish, SD 57783      Telephone: (605) 642-1333</p>

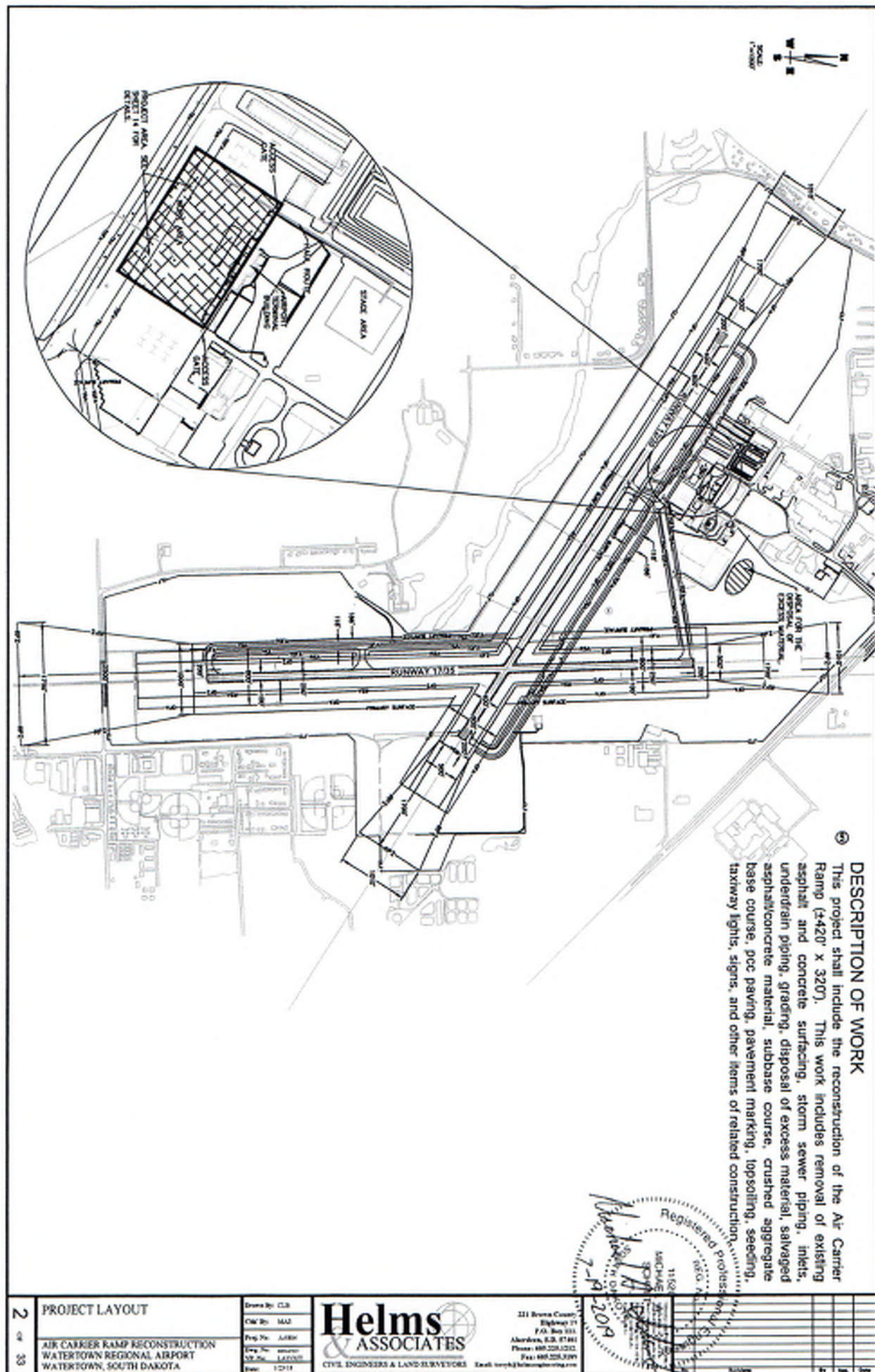


**Proposed Runway 5-23**

**Proposed Runway 8-26**







2 of 35  
PROJECT LAYOUT

AIR CARRIER RAMP RECONSTRUCTION  
WATERTOWN REGIONAL AIRPORT  
WATERTOWN, SOUTH DAKOTA

Drawn By: C.L.B.  
 Check By: M.A.J.  
 Proj. No.: A-488  
 Date: 12/11/11  
 Scale: 1/2"=1'

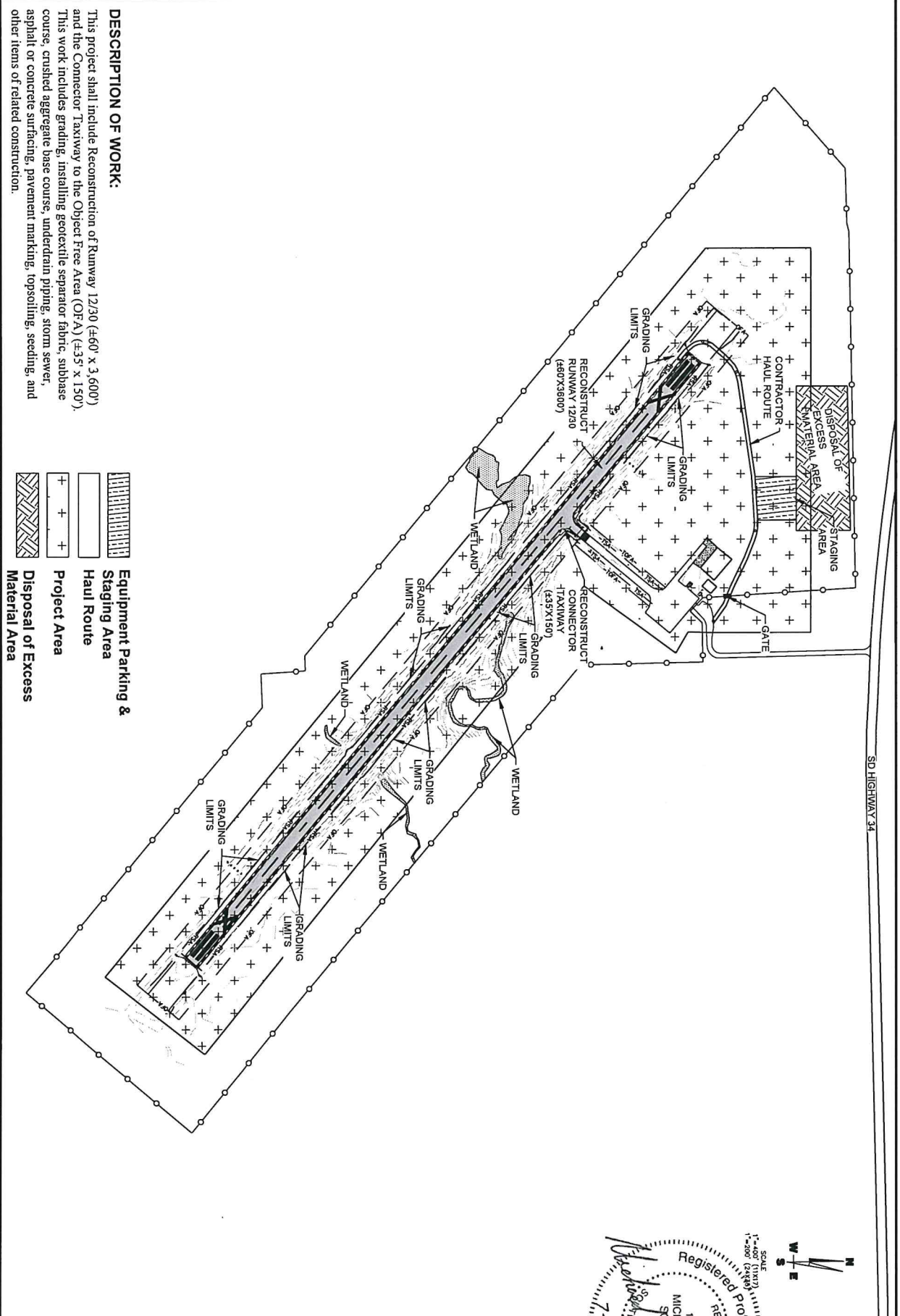
**Helms & Associates**  
 CIVIL ENGINEERS & LAND SURVEYORS

211 Bronco Canyon  
 Highway 21  
 P.O. Box 551  
 Aberdeen, S.D. 57401  
 Phone: 605.228.2212  
 Fax: 605.228.3199  
 Email: helms@helmsandassociates.com


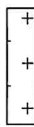

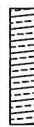


**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b> AIP #3-46-0058-034-2019
<b>AIRPORT:</b> Watertown Regional Airport
<b>1. Objective:</b> Terminal Apron Reconstruction
<b>2. Benefits Anticipated:</b> The Terminal Apron PCI in 2015 was 49 with the concrete hardstand at 51. The original section was constructed in 1944 with a concrete overlay of 9" in 1977 and additional 4" asphalt in 1992. Whereas the hardstand had 4.5" of concrete placed in 2005.
<b>3. Approach:</b> (See approved Scope of Work in Final Application) Complete Geotechnical Subgrade Exploration Complete Topographic Survey Begin Design Develop Preliminary Design Report Develop Construction Safety Plan Complete Design for FAA Review  The apron reconstruction will be phased in two separate projects.
<b>4. Geographic Location:</b> Watertown Regional Airport, Coddington County, South Dakota
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number) Sarah Caron, Mayor                      605-882-6200 PO Box 910 Watertown, SD 57201-0910



**DESCRIPTION OF WORK:**  
 This project shall include Reconstruction of Runway 12/30 (±60' x 3,600') and the Connector Taxiway to the Object Free Area (OFA) (±35' x 150'). This work includes grading, installing geotextile separator fabric, subbase course, crushed aggregate base course, underdrain piping, storm sewer, asphalt or concrete surfacing, pavement marking, topsoiling, seeding, and other items of related construction.

-  Equipment Parking & Staging Area
-  Haul Route
-  Project Area
-  Disposal of Excess Material Area

2 OF 61	<b>PROJECT LAYOUT</b>
	RUNWAY 12-30 RECONSTRUCTION WESSINGTON SPRINGS MUN. AIRPORT WESSINGTON SPRINGS, SOUTH DAKOTA

Drawn By: TMO
Chk' By: MAS
Proj. No: A-6797
Dwg. No: 1797-01
VP. No: LAYOUT
Date: 11/2/18



**Helms & Associates**  
 CIVIL ENGINEERS & LAND SURVEYORS

221 Brown County Highway 19  
 P.O. Box 111  
 Aberdeen, S.D. 57401  
 Phone: 605.225.1212, Fax: 605.225.3189  
 Email: bob@helmsengineering.com

Registered Professional Engineer

MICHAEL J. BOBB

No. 1797-01

Date: 11/2/18

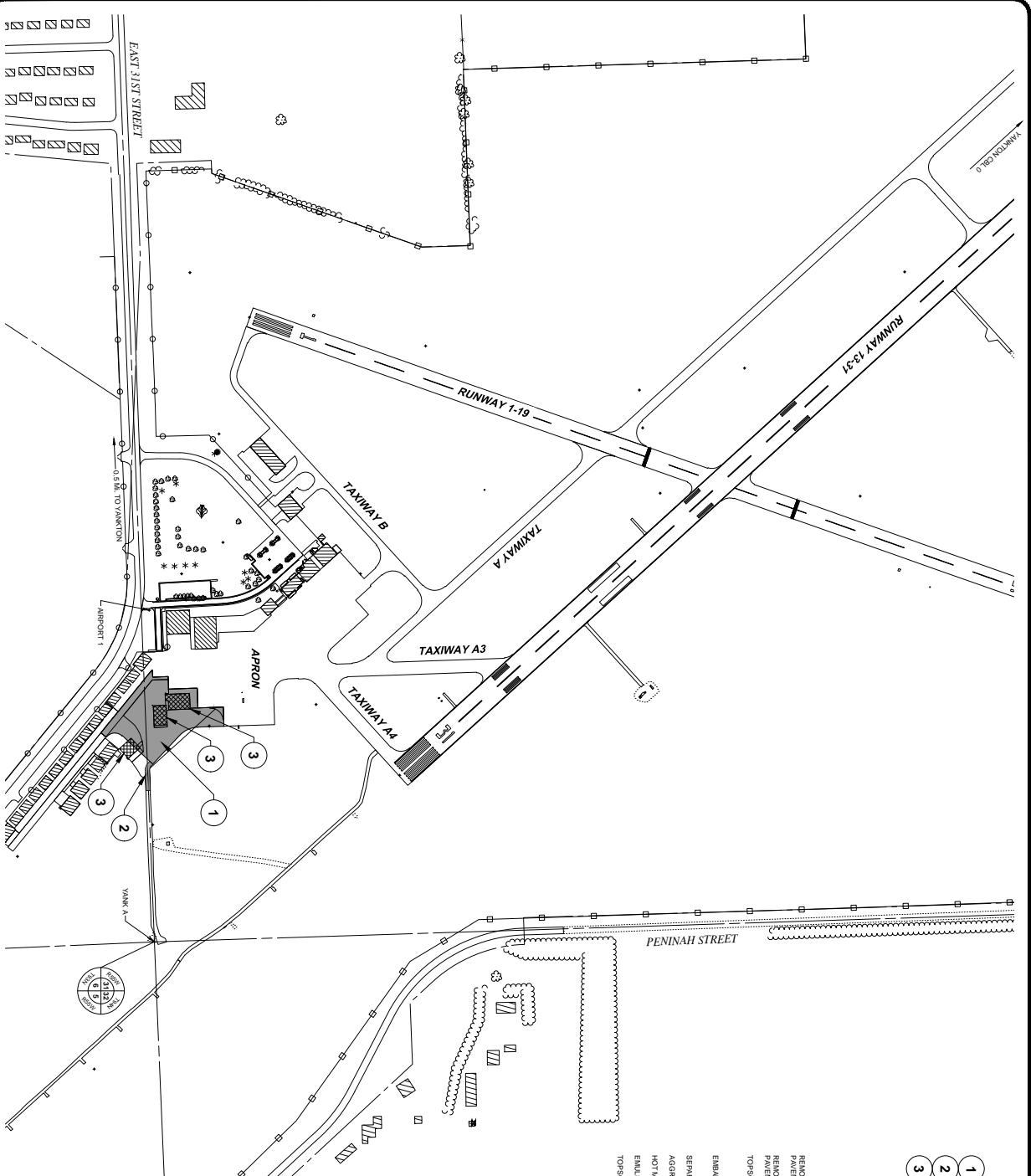
SCALE: 1"=400' (VERTICAL)

1"=1500' (HORIZONTAL)

N  
E  
S  
W

**PART IV – PROGRAM NARRATIVE**  
(Suggested Format)

<b>PROJECT:</b> AIP #3-46-0080-011-2019
<b>AIRPORT:</b> Wessington Springs Municipal Airport
<b>1. Objective:</b> Reconstruction of Runway 12/30 ( $\pm 60'$ x $3600'$ ) and connector taxiway to OFA ( $\pm 35'$ x $125'$ )
<b>2. Benefits Anticipated:</b> The reconstructed runway will allow for the continued safe operation at the airport.
<b>3. Approach:</b> (See approved Scope of Work in Final Application) Submit CSPP Submit Engineer's Design Report Advertise for Bids Complete Construction of Runway 12/30
<b>4. Geographic Location:</b> Wessington Springs Municipal Airport Wessington Springs, Jerauld County, South Dakota
<b>5. If Applicable, Provide Additional Information:</b>
<b>6. Sponsor's Representative:</b> (include address & telephone number) Kathy Voorhees, Mayor                      605-539-1691 PO Box 443 Wessington Springs, SD 57382-0443



**PROJECT WORK DESCRIPTION**

- 1 CONSTRUCT APRON EXPANSION (8,898 S.Y.)
- 2 CONSTRUCT ACCESS ROAD CONNECTOR (APPROX. 198 S.Y.)
- 3 DEMOLISH & DISPOSE OF EXISTING HANGAR

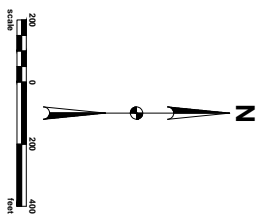
**BASIS OF ESTIMATE**

REMOVE & DISPOSE OF BITUMINOUS PAVEMENT - 2" F. APRON  
 REMOVE & DISPOSE OF CONCRETE PAVEMENT - FALL DEPTH (P-101)  
 REMOVE & DISPOSE OF CONCRETE PAVEMENT - FALL DEPTH (P-101)  
 TOPSOIL REMOVAL (P-120)  
 EMBANKMENT (P-120)  
 SEPARATION GEOTEXTILE (P-208)  
 AGRICULTURE BASE COURSE (P-208)  
 HOT MIX ASPHALT (HMA) PAVEMENT (P-220)  
 EMULSIFIED ASPHALT TACK COAT (P-603)  
 TOPSOIL REPLACEMENT (P-305)  
 AVERAGE DEPTH BITUMINOUS PAVEMENT: 2" F. APRON  
 AVERAGE DEPTH CONCRETE PAVEMENT: 6" F. APRON & TAXIWAY  
 STRIP P. OVER ALL EXCAVATION OR EMBANKMENT AREAS, INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT  
 3% ADDITIONAL VOLUME HAS BEEN ADDED FOR SHRINKAGE  
 ACTUAL S.Y. NO OVERLAP INCLUDED  
 COMPACTED VOLUME IN PLACE  
 150 LBS/CF  
 0.10 GAL/S.Y.  
 MEASURED IN STOOPPLES BY AVERAGE END AREAS OR PRISMOIDAL METHOD (PAID FOR AS TOPSOIL)

**BENCH MARK LIST**

NO.	DESCRIPTION	LOCATION	ELEVATION
1	MARKER	N228.91 34 E2 786.076 17	1305.49'
2	MARKER	N228.91 34 E2 786.076 17	1299.44'
3	MARKER	N228.91 34 E2 786.076 17	1288.17'

NOTE: CONTROL POINTS SHALL BE TO VERIFY ALL CONTROL POINTS FROM TO BE SHOWN ON THIS PLAN.



This document was originally issued and sealed by Jacob Braumager, Registration Number 12406 on July 24, 2019 and the original documents are stored at KLI, Sioux Falls, SD. This media should not be considered a certified document.

**CHAN GURNEY MUNICIPAL AIRPORT**  
 CITY OF YANKTON  
 YANKTON, SOUTH DAKOTA

**PROJECT WORK DESCRIPTION & BASIS OF ESTIMATE**



DATE: 08-01-2019  
 PROJECT: 07742019  
 SHEET: 1

J:\24\_2019 - 1019m - 17spawnd\Drawings\FEEDING\_projects\07742019\07742019.dwg, 07/24/2019 10:15:11 AM, 2017 Aug 08:23:41

Chan Gurney Municipal Airport - Yankton, SD  
AIP #3-46-0062-029-2019  
Project Narrative

**Construct Apron Expansion, Demolish Three Hangars and Purchase Two Hangars Impeding AIP Project:**

The City of Yankton is requesting financial assistance for the construction of the apron expansion and association items. The apron expansion is a result of the airport needing additional room to park large aircraft. An environmental assessment was recently completed for the project. Expanding this area will also reconstruct a significant amount of pavement that is past its service life. This pavement had a PCI rating in 2015 of 0. The project also includes demolishing three hangars and purchasing two hangars that are impeding the AIP project.