

Division of Finance & Management

Office of Air, Rail & Transit 700 East Broadway Avenue Pierre, SD 57501

O: 605.773-3574 | F: 605.773.2804

dot.sd.gov

TO: South Dakota Aeronautics Commission

FROM: Jack Dokken, Office of Aeronautics

DATE: June 17, 2021

SUBJECT: Financial Assistance Agreements

Bison 3-46-0003-012-2021

Replace beacon and windcone.

Federal Share \$60,000.00

State Share \$
Local Share \$

Total \$60,000.00

Canton 3-46-0007-011-2021

Design snow removal equipment storage/general aviation terminal building.

Federal Share \$86,000.00

State Share \$ 0 Local Share \$ 0

Total \$86,000.00

Hot Springs 3-46-0022-015-2021

Construct multi-aircraft hangar & site grading.

Federal Share \$ 783,000.00

State Share \$ 0 Local Share \$ 0

Total \$ 783,000.00

Hoven 3-46-0021-012-2021

Construct runway 13/31; connector taxiway to runway OFA, partial parallel taxiway to ROFA of 13.

Federal Share \$ 2,685,000.00

State Share \$ 0 Local Share \$ 0

Total \$ 2,685,000.00

Huron 3-46-0022-040-2021

Design and construct lighting improvements including replacement of existing lighting fixtures on 12/30 and replacing PAPI units for both runways with LEDs.

Federal Share \$ 345,000.00

State Share \$
Local Share \$

Total \$ 345,000.00

Lemmon 3-46-0027-016-2021

Upgrade existing fuel system with additional tanks, new equipment and 24-hour card reader.

Federal Share \$ 70,000.00

State Share \$ 0 Local Share \$ 0

Total \$ 70,000.00

Madison 3-46-0029-020-2021

Construct south general aviation apron expansion.

Federal Share \$ 1,121,000.00

State Share \$
Local Share \$

Total \$ 1,121,000.00

Martin 3-46-0030-016-2021

Design and construct wildlife fence including cultural review.

Federal Share \$60,000.00

State Share \$ 0 Local Share \$ 0

Total \$ 60,000.00

Milbank 3-46-0034-018-2021

Design and construct AWOS-IIIP and acquire RPZ easement.

Federal Share \$ 370,000.00

State Share \$ 0 Local Share \$ 0

Total \$ 370,000.00

Mobridge 3-46-0038-017-2021

Construct apron rehab and hangar taxilane reconstruction.

Federal Share \$ 858,368.00

State Share \$
Local Share \$

Total \$858,368.00

Murdo 3-46-0039-012-2021 Should be 14-2021

Construct multi-aircraft hangar.

Federal Share \$ 868,000.00

State Share \$
Local Share \$

Total \$ 868,000.00

Wagner 3-46-0057-016-2021

Design hangar taxilane expansion with geotechnical exploration and site surveys.

Federal Share \$ 65,000.00

State Share \$
Local Share \$

Total \$ 65,000.00

Wall 3-46-0069-010-2021

Design reconstruction and lengthening of runway 12-30, including connector taxiway and MIRL system.

Federal Share \$ 243,000.00

State Share \$

Local Share \$27,000.00 Total \$270,000.00

Webster 3-46-0059-013-2021

Construct revenue producing 4 unit T-hangar; easement acquisition.

Federal Share \$ 955,000.00

State Share \$ Local Share \$

\$\$955,000.00

Total

Winner 3-46-0061-018-2021

Design and construct runway 13/31 rehab and pavement maintenance.

Federal Share \$ 320,000.00

State Share \$
Local Share \$

Total \$ 320,000.00

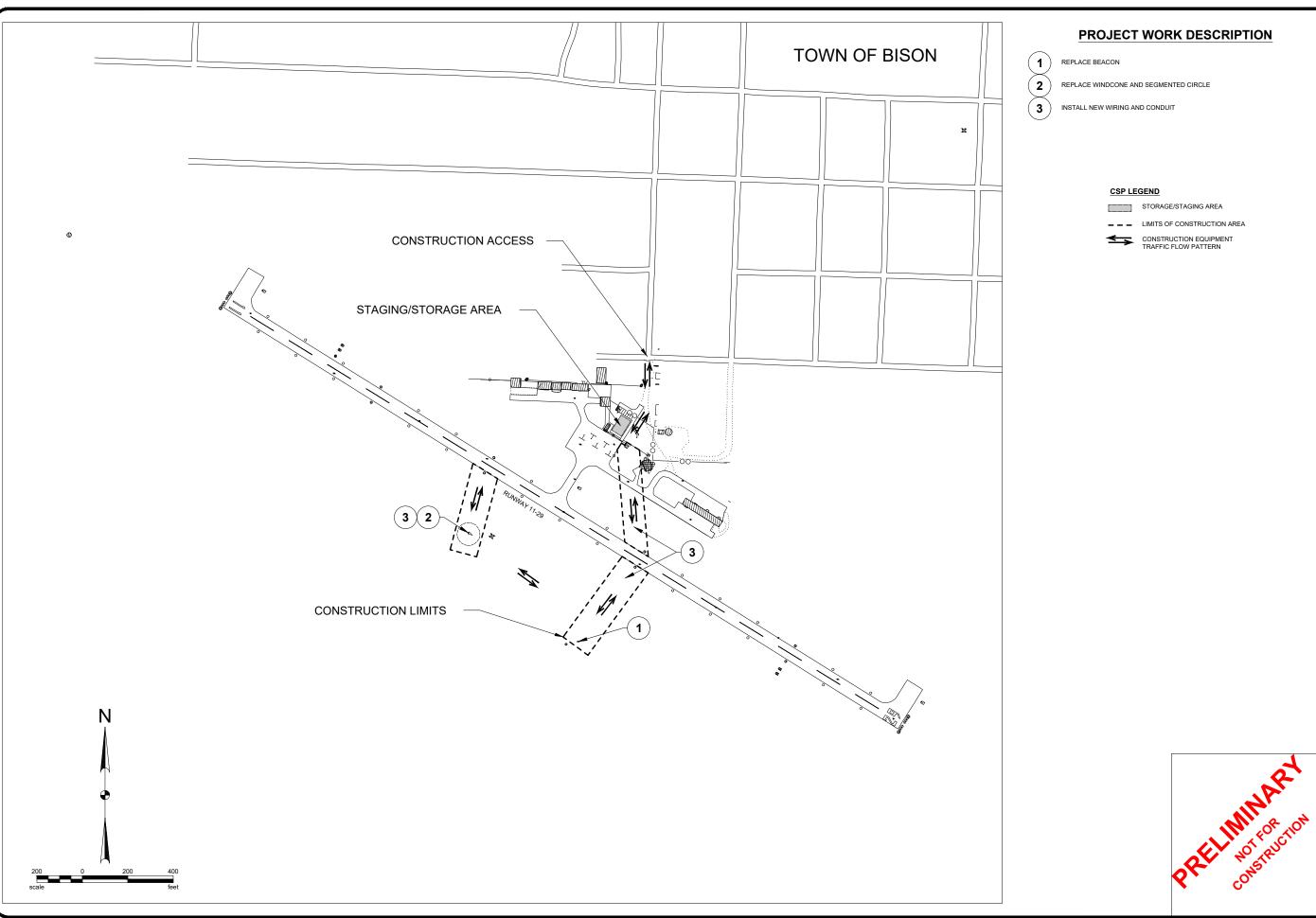
Yankton 3-46-0062-033-2021

Environmental, design and bidding services for new hangar taxilanes and access road.

Federal Share \$ 123,000.00

State Share \$ 0 Local Share \$ 0

Total \$ 123,000.00



BISON MUNICIPAL AIRPORT TOWN OF BISON BISON, SOUTH DAKOTA

PROJECT WORK DESCRIPTION

KNV REVIEWED SLS PROJECT NUMBER 2005-01596

02/08/2021



Project Narrative (Justification) 2021 FAA Grant Application Canton Municipal Airport

Project Item

Snow Removal Equipment (SRE) Storage/General Aviation (GA) Terminal Building (Approximately 2,500 SF - final size to be determined during design).

What is the Project?

The project includes environmental, design and bidding services for a new SRE/GA Terminal Building. Also included is preliminary soils testing and FAA project closeout report services.

Why is the Project Needed Now?

In the past, the City of Canton paid the Fixed Base Operator (FBO) to store their SRE and provide a GA Terminal on the airfield in addition to serving as the airport manager. The FBO has recently retired and intends to sell the hangar to a new Owner who is not interested in providing these FBO and airport management services. Therefore, the City of Canton will need to relocate their SRE and GA Terminal to a new location. The airport currently owns a loader, tractor, and various attachments that will be stored inside the new building. At this time, it is assumed the building will be approximately 2,500' SF, but the final size and location will be determined during the design phase according to FAA standards. This will be the sponsor's first SRE building constructed using federal funding.

Is the Project Phased?

Yes. This first phase of the project is to design and bid the SRE/GA Terminal Building. The second phase will be to complete the construction of the building.

2005-01369 LAST REVISED DAT **4/12/2021 G2.0**

PROJECT WORK DESCRIPTION



CONSTRUCT THE HANGAR BUILDING

(BASE BID- 6 UNITS WITH ADD ALTERNATE 1- 4 ADDITIONAL UNITS)

- EXCAVATION AND GRADING BUILDING CONSTRUCTION
- ELECTRICAL UTILITY



SITE DEVELOPMENT AND TURF TAXILANE (312' x 25' APPROX.)

- REMOVE AND DISPOSE OF BITUMINOUS PAVEMENT
- EXCAVATION AND GRADING
 - TOPSOIL REPLACEMENT
 - STABILIZED TURF TAXILANE CONSTRUCTION
 - SEEDING AND MULCHING

BASIS OF ESTIMATE

CIVIL ITEMS

REMOVE & DISPOSE OF BITUMINOUS PAVEMENT - FULL DEPTH (P-101) -

AVERAGE DEPTH BITUMINOUS PAVEMENT:

± 4" TAXILANE

TOPSOIL REMOVAL (P-152) -

STRIP 4" OVER ALL EXCAVATION OR EMBANKMENT AREAS (INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY)

EMBANKMENT (P-152) -

25 % ADDITIONAL VOLUME HAS BEEN ADDED FOR ANTICIPATED SHRINKAGE OF EMBANKMENT

STABILIZER AGGREGATE (P-217) -

MEASURED BY THE TON OF AGGREGATE IN-PLACE 0.06 TONS PER SY

CONDITIONING OPERATION (P217) -

TOPSOIL REPLACEMENT (T-905) -

MEASURED BY THE SQUARE YARD OF AREA THAT IS STABILIZED WITH AGGREGATE.

MEASURED IN STOCKPILES BY AVERAGE END AREAS

OR PRISMOIDAL METHOD

THE HANGAR BUILDING FOUNDATION, FLOOR SLAB AND BUILDING CONSTRUCTION AND ALL ASSOCIATED ITEMS NOT SPECIFIED AND PAID FOR AS A SEPARATE BID ITEM WILL BE

THE BASE BID SIX-UNIT HANGAR BUILDING AND THE ALTERNATE 1 BID FOUR ADDITIONAL HANGAR UNITS WILL BE MEASURED AND PAID FOR PER LUMP SUM AND SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT AND ANY INCIDENTALS NECESSARY TO COMPLETE THE BUILDING AS A WHOLE IN ACCORDANCE WITH THE ARCHITECTURAL, STRUCTURAL,

HANGAR BUILDING

CONSIDERED INCIDENTAL TO THE HANGAR BUILDING.

AND ELECTRICAL SPECIFICATIONS, PLANS, PLAN NOTES AND DETAILS.

BASIS OF SURVEY

AIRPORT LEGEND

— BRL —

—ОFA ——

—RSA —

—TOFA——

—— CLZ ——

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- → \$

DECESSED IN

SECTION LINE WITH RIGHT-OF-WAY

AIRPORT PROPERTY LINE AIRPORT EASEMENT R.P.Z. EASEMENT

RUNWAY PROTECTION ZONE (RPZ)

BUILDING RESTRICTION LINE (BRL)

RUNWAY OBJECT FREE AREA (OFA)

RUNWAY SAFETY AREA (RSA)

TAXIWAY OBJECT FREE AREA (TOFA)

CLEAR ZONE

BUILDING

BITUMINOUS/CONCRETE SURFACE

UNPAVED SURFACE (GRAVEL)

AIRPORT REFERENCE POINT (ARP)

AIRPORT BEACON

WIND CONE & SEGMENTED CIRCLE

INTERMEDIATE/INDEX CONTOUR LINE DECIDUOUS/EVERGREEN TREE TREE ROWS, BUSHES BARBED WIRE FENCE

CHAIN-LINK FENCE

WILDLIFE FENCE PRIVATE/HIGHWAY SIGN PRIVATE/FEDERAL MAILBOX

POWER POLE/STREET LIGHT AIRPI ANE TIEDOWN RUNWAY/THRESHOLD LIGHT TAXIWAY LIGHT/TAXIWAY REFLECTOR

PAPI/VASI

REIL/MALS

TURF RUNWAY MARKER (CONE/PRISM)

AIRPORT/DISTANCE TO GO SIGN

CULVERT WITH END SECTION

ALL COURSES, ELEVATIONS AND COORDINATES FOR THIS PROJECT ARE BASED ON NAD 83 / 2011 (EPOCH 2010.00) SOUTH DAKOTA STATE PLANE COORDINATES, SOUTH ZONE, US SURVEY FEET. THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88. GEOID 18 WAS USED TO COMPUTE THE ORTHOMETRIC HEIGHT (ELEVATION) AS NEEDED. THE COMBINED SCALE FACTOR IS 1.000231473 (GRID TO GROUND)

BENCH MARK LIST					
NO.	DESCRIPTION	LOCATION	ELEVATION		
FAA	NGS SURVEY	N: 392,297.06	3142.04'		
HSR A	MONUMENT	E: 1,155,842.79			
KLJ	5/8 REBAR	N: 392,658.41	3142.96'		
CP #2	AND CAP	E: 1,155,687.53			

BM FAA HSR A

CP KLJ #2

PROJECT CONTROL POINT DATA TO BE PROVIDED TO THE CONTRACTOR ONCE ESTABLISHED

GARLET C.

Apr 12, 2021 - 3:39pm - K:\Projects\Airport\SD\HotSprings_HSR\2005-01369\CAD\Working\Civil Plans\2005-01369_pwd.dwg (apt_pwd)

PART IV - PROGRAM NARRATIVE

(Suggested Format)
PROJECT: Multi Aircraft Hangar Building and Site Grading Construction
AIRPORT: Hot Springs Municipal Airport
1. Objective:
Hot Springs Municipal Airport is home to several hangars and a terminal / pilot lounge building. 2 structures are Airport owned with the most recent completed in 2012 which currently houses 8 aircraft. The others can house up to three aircraft depending on type. A private tee-hangar contains 6 units was constructed 10 years ago. Remaining buildings are private hangars housing 1 to 2 aircraft with one housing the glider club. All units have been at capacity for several years. The Airport currently has a list of 11 interested parties in a unit if available therefore, the Sponsor is requesting funding to construct a new multi aircraft hangar.
2. Benefits Anticipated:
Increased user safety and protection for the aviation community utilizing the Airport and a source of revenue for the Airport.
3. Approach: (See approved Scope of Work in Final Application)
The project will be developed in a standard design, bid and build method. Size of the facility was based on the justification documents as approved by the FAA DAK-MIN ADO.
4. Geographic Location:
Hot Springs Municipal Airport; City of Hot Springs; County of Fall River and State of South Dakota.
5. If Applicable, Provide Additional Information:
N/A.
6. Sponsor's Representative: (include address & telephone number)
Mr. John Gregory - City Administrator - City of Hot Springs

Hot Springs, SD 57747 Ph. 605-745-3135 hscityadministrator@hs-sd.org

303 North River Street

PART IV - PROGRAM NARRATIVE

ROJECT: AIP #3-46-0021-012-2021
IRPORT: Hoven Municipal Airport
. Objective: Design and Construction of Fuel System Upgrades for 100LL and Card Reader System
. Benefits Anticipated:
The existing system has considerable wear and it is proposed that the lines from the existing tank be replaced and the location of the pump and card reader system be in a more accessible place. By updating their fuel system, the airport would be better able to provide fuel for both based aircraft and the itinerant users. The card reader would allow pilots to refuel without the City's assistance.
. Approach: (See approved Scope of Work in Final Application)
Helms & Associates of Aberdeen, SD will serve as the airport's consultant to design the Fuel System Upgrades and Card Reader System and assist the sponsor with a traditional construction contract. The Engineer shall coordinate a design meeting, develop the CSPP, submit the Engineer's Design Report, submit modifications to standards, develop plans and specifications for FAA approval. The project will be bid through a public process in May with construction to begin in July. Project completion is anticipated in early to mid-November 2021.
I. Geographic Location:
Hoven Municipal Airport Potter County South Dakota
5. If Applicable, Provide Additional Information:
Sponsor's Representative: (include address & telephone number) Norman Stethem, Mayor PO Box 157 Hoven, SD 57450-0157

Project Narrative (Justification)

Hoven Municipal Airport Hoven, SD

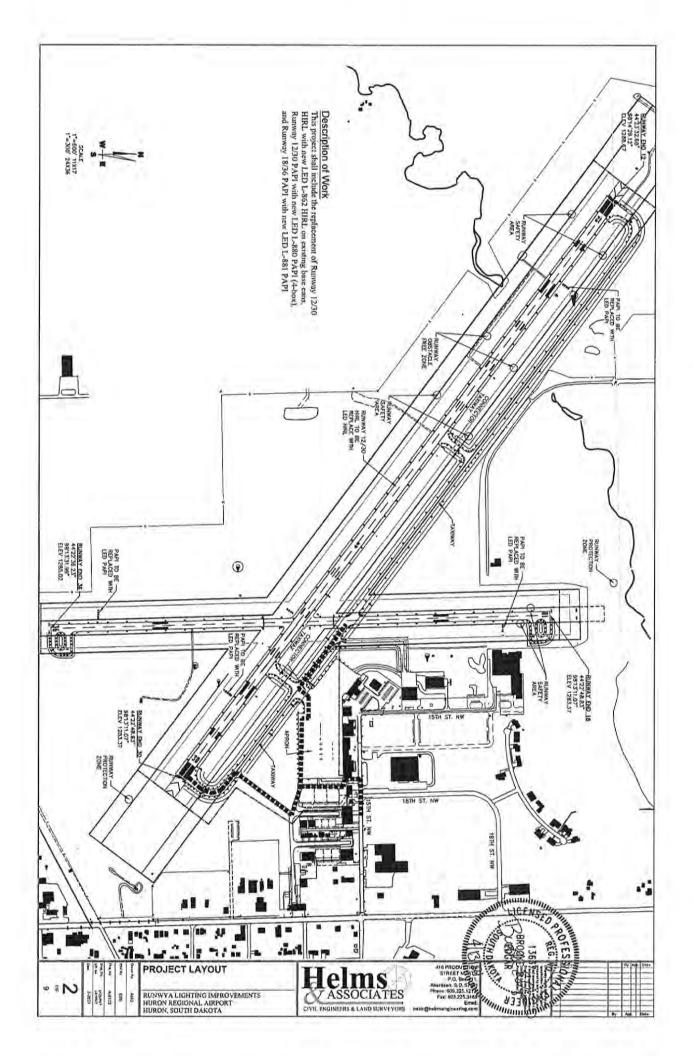
Design and Construction of Fuel System Upgrades for 100LL and Card Reader System

The existing system has considerable wear and it is proposed that the lines from the existing tank be replaced and the location of the pump and card reader system be in a more accessible place. By updating their fuel system, the airport would be better able to provide fuel for both based aircraft and the itinerant users. The card reader would allow pilots to refuel without the City's assistance. The photo below shows the existing card reader system off the edge of the apron. The existing fuel system was installed with City funds.



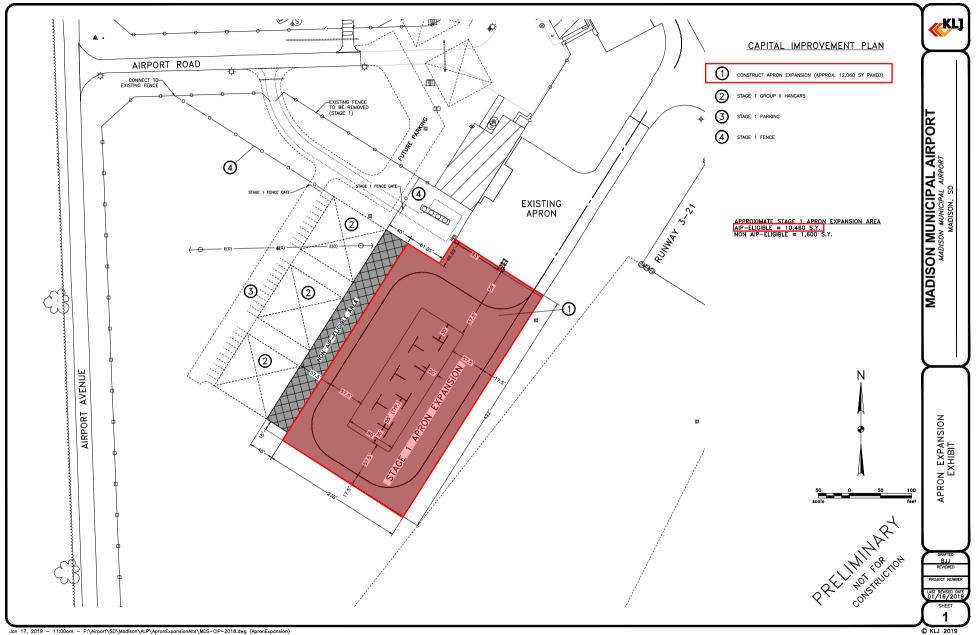
PART IV - PROGRAM NARRATIVE

PROJECT: AIP #3-46-0022-038-2021
AIRPORT: Huron Regional Airport
1. Objective: Lighting Improvements to include removal of existing light fixtures on Runway 12/30 and replacing with LED fixtures and replacing fixtures within the PAPI units on both Runway 12/30 and 17/35 with LED fixtures
2. Benefits Anticipated:
The airport wishes to upgrade its current High Intensity Runway Lighting to LED fixtures of Runway 12/30 and all PAPI units to reduce energy consumption and maintenance costs of the lighting system. Installing LEDs will also increase longevity of the lighting system, which in turn reduces labor and equipment cost over the years.
3. Approach: (See approved Scope of Work in Final Application)
Helms & Associates of Aberdeen, SD will serve as the airport's consultant and DGR Engineering will serve as Helms sub-consultant to design the lighting improvements and assist the sponsor with a traditional construction contract. The Engineer shall coordinate a design meeting, develop the CSPP, submit the Engineer's Design Report, submit modifications to standards, develop plans and specifications for FAA approval. The project will be bid through a public process in April with construction to begin in June. Project completion is anticipated in early to mid-September 2021.
4. Geographic Location:
Huron Regional Airport Huron, Beadle County, South Dakota
5. If Applicable, Provide Additional Information:
6. Sponsor's Representative: (include address & telephone number)
Preston Steele, Airport Board Chairman 605-353-8516 426 15th St. NW Huron, SD 57350



PART IV - PROGRAM NARRATIVE

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

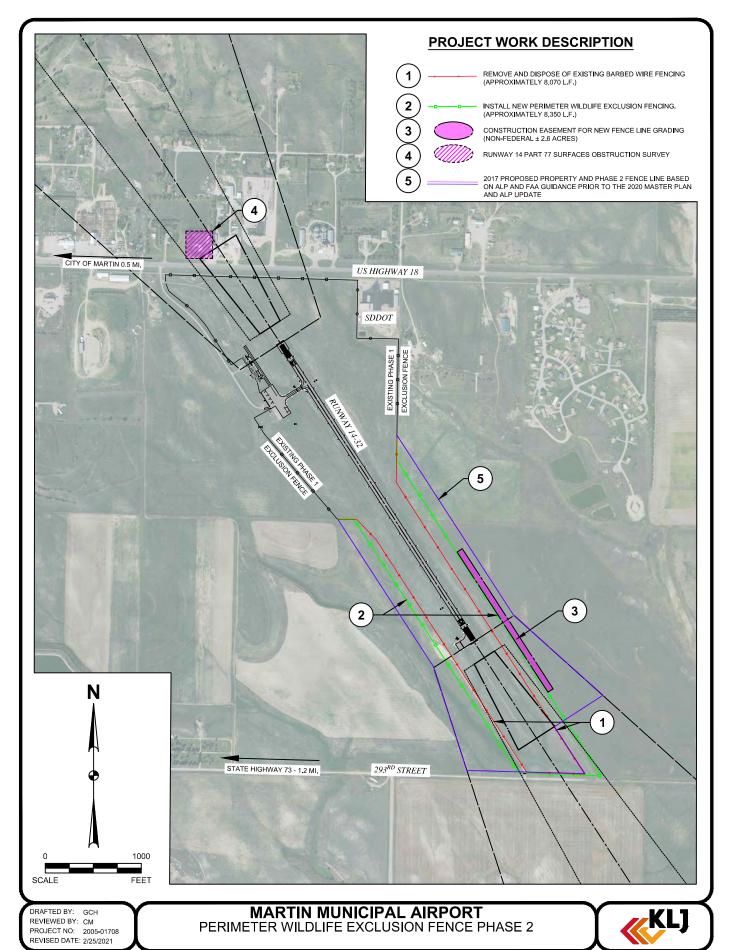


Madison Municipal Airport Construct South GA Apron Expansion AIP #3-46-0029-020-2021 Apron Use Plan Narrative

In the approved April 2008 Airport Layout Plan (ALP) the stage 1 apron expansion included six (6) tiedown locations with the ultimate apron expansion adding an additional ten (10) tiedown locations. Also, since the 2008 ALP was approved demand for aircraft tiedown locations has increased significantly as the operating FBO on the field is operating a large flight school attracting many pilots to the airfield. The ALP expansions were to occur to the east of the airport owned hangar on the east side of the hangar development area. These expansions would require relocation of the existing airport owned hangar as well as the displacement of a row of hangars. When KLJ began evaluating the feasibility of relocating the City owned hangar prior to scoping of the project, it was determined that it would be highly unlikely the hangar would be able to be relocated and salvaged due to its construction materials and design. At this time, it was also determined the Airport and City were against displacing the row of hangars.

In addition, per the approved April 2008 ALP a full-length parallel taxiway serving the primary runway was constructed in 2019. Construction of this parallel taxiway resulted in the removal of nine (9) turf tiedown locations and significantly reduced the size of the North GA Apron essentially restricting the ability to park any planes on this apron. Prior to the parallel taxiway project, the airport had insufficient on-pavement tiedown locations as compared to the demand. The existing aprons are frequently filled with aircraft from transient corporate aircraft to the local flight school aircraft. Currently the airport only has two (2) on-pavement tiedown locations on the South GA Apron. This is insufficient for the demand for on-pavement tiedown locations at the airport.

Considering the above information, KLJ began to develop alternatives for an apron expansion that could accommodate required apron expansion needs while limiting impacts to existing facilities. After several renditions were presented to the City and Airport a preferred alternative was developed. The preferred alternative was submitted to the FAA Dakota-Minnesota ADO and OE/AAA Portal for review and approval. The proposed apron expansion is the same as shown on this recently approved Terminal Area Plan Update of the ALP. The proposed apron expansion would include seven (7) new on-pavement aircraft tiedown locations and provide space for additional future hangar development as well. The seven (7) new on-pavement aircraft tiedown locations were chosen to maximize the recovery of the nine (9) removed turf tie downs from the parallel taxiway project. The Terminal Area Plan Update did not account for all nine (9) lost turf tie down locations in the design as it was laid out to accommodate future hangar development and taxilanes in the area as well per the original layout.



PART IV – PROGRAM NARRATIVE

AIRPORT: Martin Municipal Airport
1. Objective:
Design and ultimately construct approximately 8,350 L.F. of airport wildlife fence.
2. Benefits Anticipated:
The completion will keep animals from entering the airport operations area and improve the safety for aircraft flying in and out of Martin.
3. Approach: (See approved Scope of Work in Final Application)
The Wildlife fence is Phase 2, and the southern portion, of a two-phase project. The project was split into two phases to allow for an Airport Master Plan and land acquisition to meet the long-term needs of the airport before installation of this fence on the outer perimeter of the airport. The completion will keep animals from entering the airport operations area and improve the safety for aircraft flying in and out of Martin.
operations area and improve the salety for alreadt fighting in and out of Martin.
4. Geographic Location:
Martin Municipal Airport - City of Martin - County of Bennett - State of South Dakota - see attached project sketch
5. If Applicable, Provide Additional Information:
N/A.
6. Sponsor's Representative: (include address & telephone number)
Mrs. Jean Kirk - Finance Officer - City of Martin
P.O. Box 687 Martin, SD 57551 Telephone: (605)685-6525



BASIS OF ESTIMATE

REMOVE & DISPOSE ASPHALT TAXILANE PAVEMENT - FULL DEPTH (P-101) -COLD MILL ASPHALT APRON PAVEMENT - 2" (P-101) -

TOPSOIL REMOVAL (P-152) -

(2)

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127TH ST

EMBANKMENT (P-152) -

GEOGRID (P-154) -SEPARATION GEOTEXTILE (P-154) -

SUBBASE COURSE (P-154) -AGGREGATE BASE COURSE (DOT-260)-

EMULSIFIED ASPHALT TACK COAT (P-603) -

TOPSOIL REPLACEMENT (T-905) -

AVERAGE DEPTH ASPHALT PAVEMENT

± 2" - 3" AT TAXILANE

± 4" - 5" AT APRON

STRIP 6° OVER ALL EXCAVATION OR EMBANKMENT AREAS. (INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT)

15% ADDITIONAL VOLUME HAS BEEN ADDED FOR SHRINKAGE

ACTUAL S.Y., NO OVERLAP INCLUDED

ACTUAL S.Y., NO OVERLAP INCLUDED COMPACTED VOLUME IN PLACE

COMPACTED VOLUME IN PLACE

HOT MIX ASPHALT PAVEMENT (DOT-320)-0.10 GAL/S.Y.

MEASURED IN STOCKPILES BY AVERAGE END AREAS OR PRISMOIDAL METHOD (PAID FOR AS TOPSOILING)

BI	BENCHMARK AND CONTROL POINT LIST					
NO.	DESCRIPTION	LOCATION	ELEVATION			
BM1	MBG A METAL ROD IN SLEEVE	N624,263.490 E1,865,024.850	1699.72'			
BM2	MBG B METAL ROD IN SLEEVE	N626,023.150 E1,862,680.230	1700.45			
CP10	CAPPED REBAR	N623,862.564 E1,864,650.597	1692.68"			
CP11	CAPPED REBAR	N623,573.886 E1,865,012.002	1692.64"			
CP12	CAPPED REBAR	N623,085.762 E1,864,741.212	1682.94"			

NOTE: CONTRACTOR SHALL VERIFY CONTROL POINTS IN THE FIELD PRIOR TO CONSTRUCTION.

This document was originally issued and sealed by Aaron Storm, PE SD-10979, on 03/10/2021 and the original documents are stored at KLJ Sioux Falls, SD. This media should not be considered a certified document.

Project Narrative (Justification) 2021 FAA Grant Application Mobridge Municipal Airport

Project Item

Apron Rehabilitation

What is the Project?

The project includes an Apron Rehabilitation. Also included is construction administration, observation & materials testing, and FAA project closeout services.

Why is the Project Needed Now?

The bituminous pavement section of the general aviation apron was constructed in 1999. The last PCI study (2018) indicated that the pavement had a PCI value of 51, which is considered poor. Major rehabilitation is recommended for PCI values in this range. It is currently recommended that the pavement be milled and overlaid with 2" of new bituminous pavement, though final rehabilitation method will need to be determined during the detailed design process once geotechnical investigations are completed. The bituminous pavement area of the apron is approximately 9,500 S.Y.

Is the Project Phased?

Yes. This second phase of the project is to complete the construction for the apron rehabilitation. The first phase was to design and bid the project which is currently in progress.

Project Item

Taxilane Reconstruction

What is the Project?

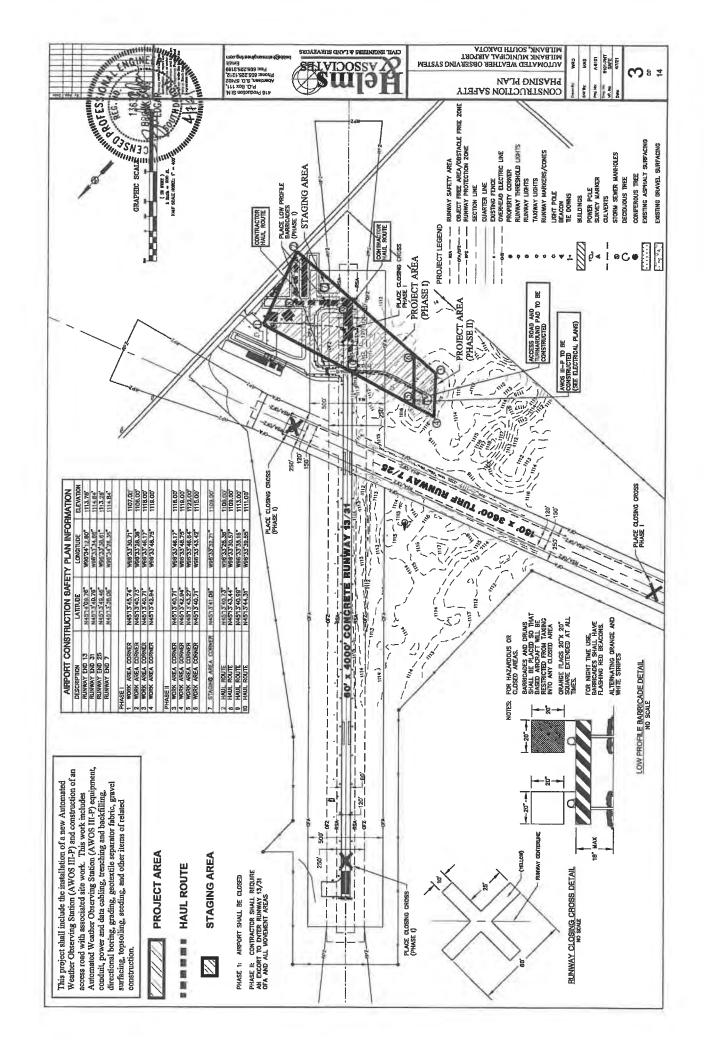
The project includes Hangar Taxilanes Reconstruction. Also included is construction administration, observation & materials testing, and FAA project closeout services.

Why is the Project Needed Now?

The last PCI study (2018) indicated that the hangar taxilanes were in "very poor" condition, with PCI values of 32 and 33. Major distresses are visually apparent and are causing foreign object debris (FOD) in many areas on the taxilanes. With PCI values this low and FOD safety concerns present, reconstruction is required. The bituminous pavement area of the taxilanes is approximately 5,600 S.Y.

Is the Project Phased?

Yes. This second phase of the project is to complete the construction for the hangar taxilanes reconstruction. The first phase was to design and bid the project which is currently in progress.



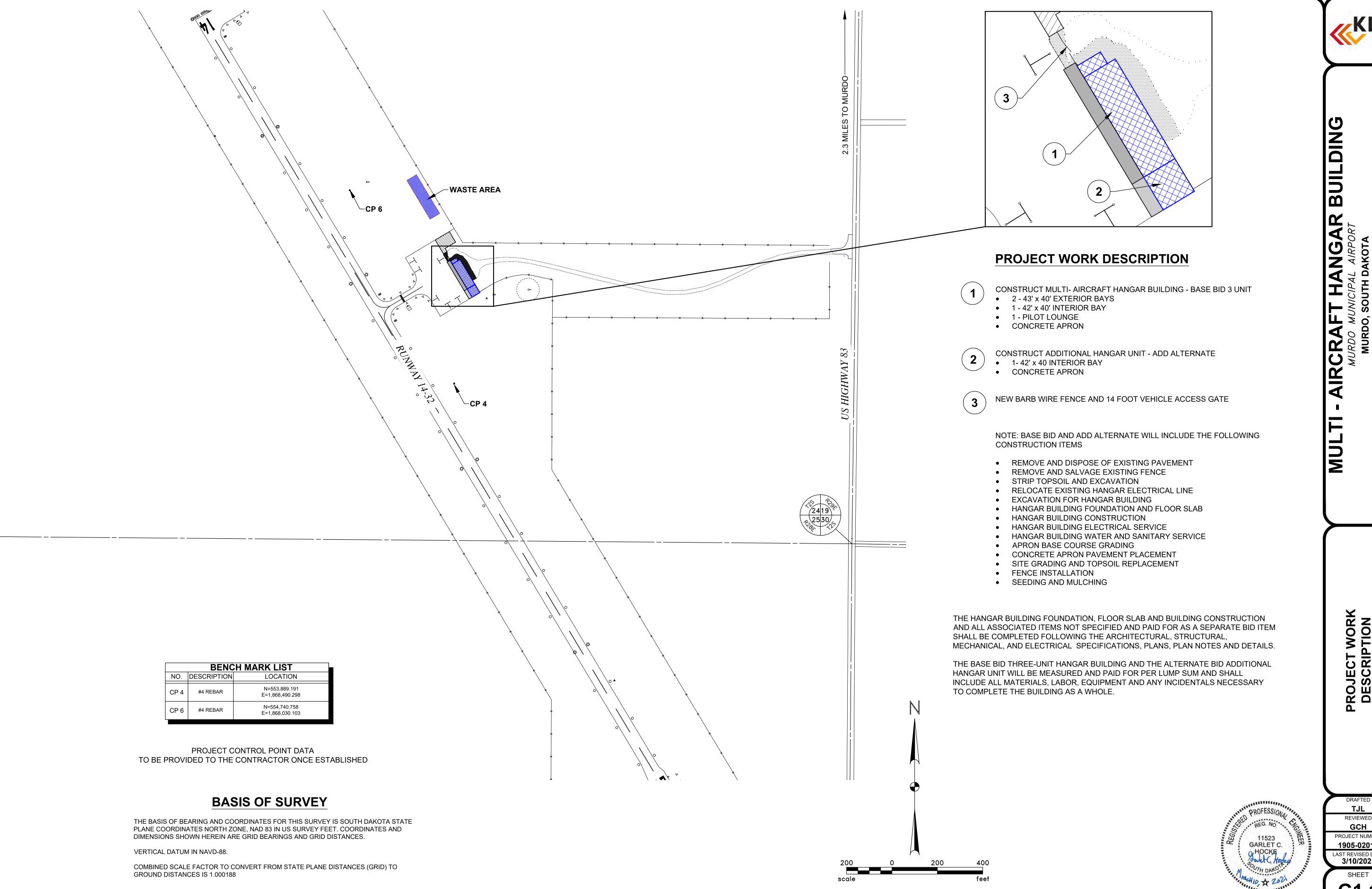
Project Narrative (Justification)

Design and Construct AWOS III-P

Milbank Municipal Airport has an average of 85 operations/week at the airport according to the AIRNAV, updated April 2020. Users have expressed great interest in onsite weather reporting equipment. The closest AWOS III unit is 7 nautical miles northeast in Ortonville, Minnesota. Fixed wing air ambulances also desire the weather reporting equipment to monitor site conditions to make informed decisions when retrieving patients.

Easement Acquisition

The City of Milbank is pursuing the purchase of approximately 15 acres of land for the Runway 31 RPZ/Departure Surfaces. The purchase is necessary to ensure compatible land use by keeping incompatible land uses from being constructed there and to maintain clear approaches.



WORK CT V ШO PROJI DES

REVIEWED GCH 1905-02017 LAST REVISED DATE 3/10/2021

PART IV – PROGRAM NARRATIVE

PROJECT: Multi Aircraft Hangar Building Construction
AIRPORT: Murdo Municipal Airport
1. Objective:
Provide a facility for the housing of based and transient aircraft at the Airport. There is currently no available hangar space at the Airport to meet the needs of the local pilots and traveling public. The facility will also provide a revenue stream for the Airport to assist in operating and maintaining the airfield.
2. Benefits Anticipated:
Increased safety and protection for the aviation community utilizing the Airport and a source of revenue for the Airport.
3. Approach: (See approved Scope of Work in Final Application)
The project was developed following the standard design, bid and build method. Size of the facility was based on the justification documents as approved by the FAA DAK-MIN ADO. 4. Geographic Location: Murdo Municipal Airport - City of Murdo - County of Jones - State of South Dakota - see attached project sketch
Murdo Muricipal Airport - Oity of Murdo - County of Jones - State of South Bakota - See attached project sketch
5. If Applicable, Provide Additional Information:
N/A.
6. Sponsor's Representative: (include address & telephone number)
Mrs. Krysti Barnes - Finance Officer - City of Murdo P.O. Box 432 Murdo, SD 57559 Telephone: (605)669-2272

WAGNER MUNICIPAL AIRPORT 2021 PROJECT SKETCH

Project Narrative (Justification)

Design Hangar Taxilane Expansion w/Geotechnical Exploration

Hangar Taxilane Expansion

A 4-unit T-Hangar was constructed in 2019/2020 adjacent to an existing hangar taxilane. In order to provide paved access to the hangar owners on the east side of the new T-Hangar, this taxilane should be constructed. Paved access to the hangar allows year round access of the airfield to the aircraft owner. With the 4-unit T-Hangar full, the hangar taxilane expansion provides space for future expansion to the east.

Geotechnical Exploration

A geotechnical exploration will be performed to identify materials beneath the proposed hangar taxilane to aid in design of the pavement section.

PART IV - PROGRAM NARRATIVE

(Suggested Format)

PROJECT: Reconstruct and Lengthen Runway 12-30 - Design Engineering and Bidding Services

AIRPORT: Wall Muncipal Airport

1. Objective:

The project is needed due the existing airfield configuration limiting the operating capacity of the critical design aircraft (Air Tractor 802A) due to the length of the existing primary runway (3,499' x 60') and the Runway 30 Runway Protection Zone (RPS) has incompatible uses.

The objective of the project is to provide a runway (4,418' x 75') that can accommodate general aviation aircraft up to a Runway Design Code (RDC) B-II and to provide a Runway Protection Zone that meets the Federal Aviation Administration design and safety standards.

2. Benefits Anticipated:

The ultimate reconstruction, lengthening and widening of Runway 12-30 will allow the airport to come into compliance with the applicable FAA standards for the aircraft utilizing the airport and correct the RPZ issues which will greatly enhancing the safety of its users. Additionally, GPS guided approaches will be developed for Runway 12 and Runway 30

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

This will be a standard design - bid - build project. Design activities will be completed within this grant to facilitate a bid letting in the summer of 2022 and ultimate reconstruction of the runway in 2023.

4. Geographic Location:

Wall Municipal Airport City of Wall County of Pennington State of South Dakota

5. If Applicable, Provide Additional Information:

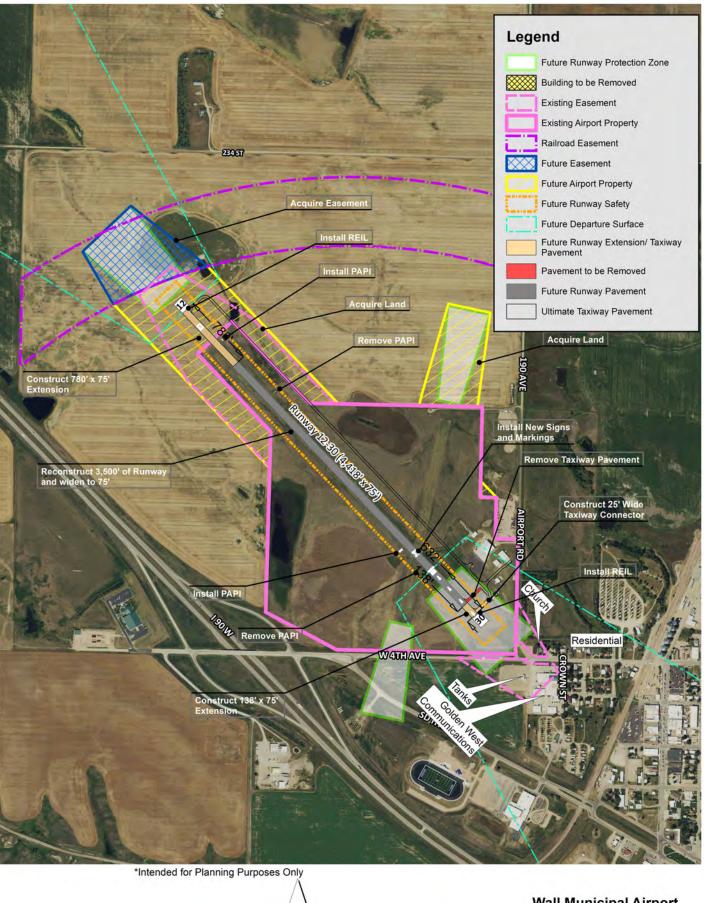
This is not a Letter of Intent project.

6. Sponsor's Representative: (include address & telephone number)

Ms. Carolynn Anderson - City of Wall Finance Officer

501 Main Street - P.O. Box 314

Wall, SD 57790 Telephone: 605.279.2663



0 500 1,000 2,000 Feet

Wall Municipal Airport Wall, South Dakota Alternative C

PART IV - PROGRAM NARRATIVE

(Suggested Format)

PROJECT: AIP #3-46-0059-011-2021

AIRPORT: Sigurd Anderson Field

1. Objective:

This project shall consist of the construction of a 4-Unit T-Hangar with associated concrete approach pavement, storm sewer, topsoiling, and seeding and fertilizing. Each unit in the T-Hangar will be provided an insulated electrically operated bi-fold door, fully insulated walls, two circuits for LED light fixtures and electrical receptacle, individual electric meter, and propane hookup. The T-Hangar will also have exterior lighting above each door.

An easement for 3.57 acres of land within the Runway 12 End is also requested with this project.

2. Benefits Anticipated:

Sigurd Anderson Field does not have an existing revenue producing hangar at the airport. The four individual T-Hangars currently onsite are well beyond their useful life and at least one has settled allowing water to flow directly into the building. There has been great interest from local users and transient users to have storage for temporary and/or long term situations. Two local pilots store their aircraft at another local airport and plan to relocate once a new building is constructed.

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

Advertise the Project and Open Bids Award the Construction Contract Construct T-Hangar Prepare As-Constructed Drawings Assemble Closeout Documentation

4. Geographic Location:

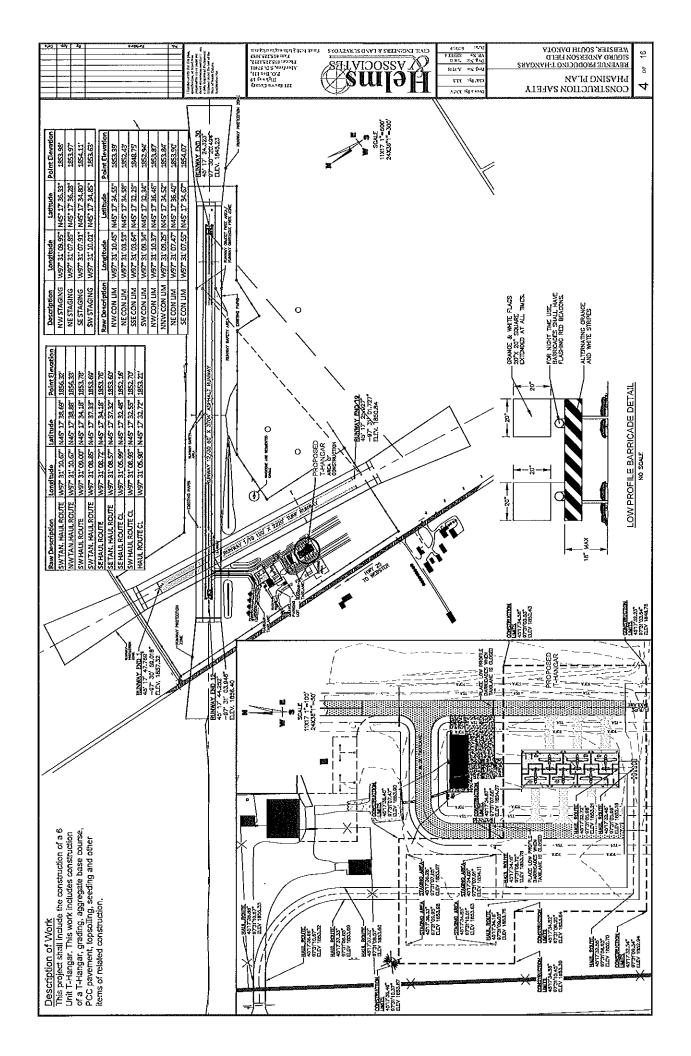
Sigurd Anderson Field, Webster, Day County, South Dakota

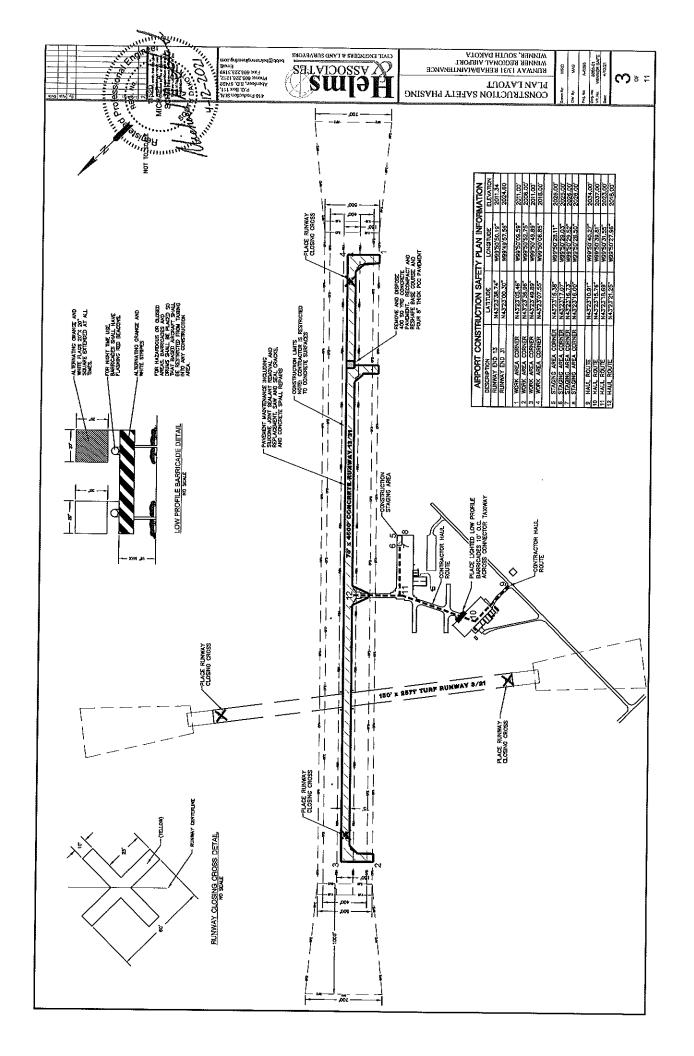
5. If Applicable, Provide Additional Information:

Users have been instrumental in preliminary design of the T-Hangar and all spots have already been spoken for. The 3.57 acres of land within the RPZ was planned to be purchased; however, due to an unwilling seller, the City has chosen to obtain an easement. The intent of the easement is to protect Sigurd Anderson Field from incompatible land uses in the RPZ as described by AC 150/5300-13.

6. Sponsor's Representative: (include address & telephone number)

Michael Grosek, Mayor PO Box 539 605-345-3241



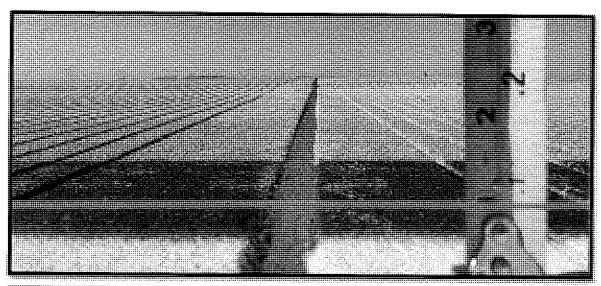


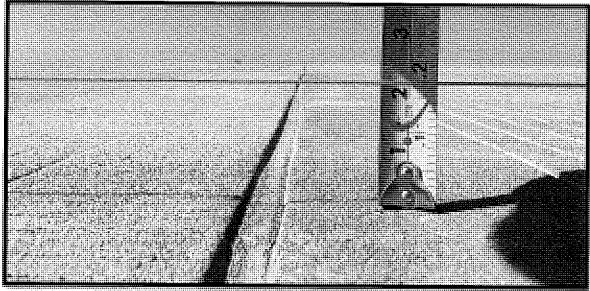
Project Narrative (Justification)

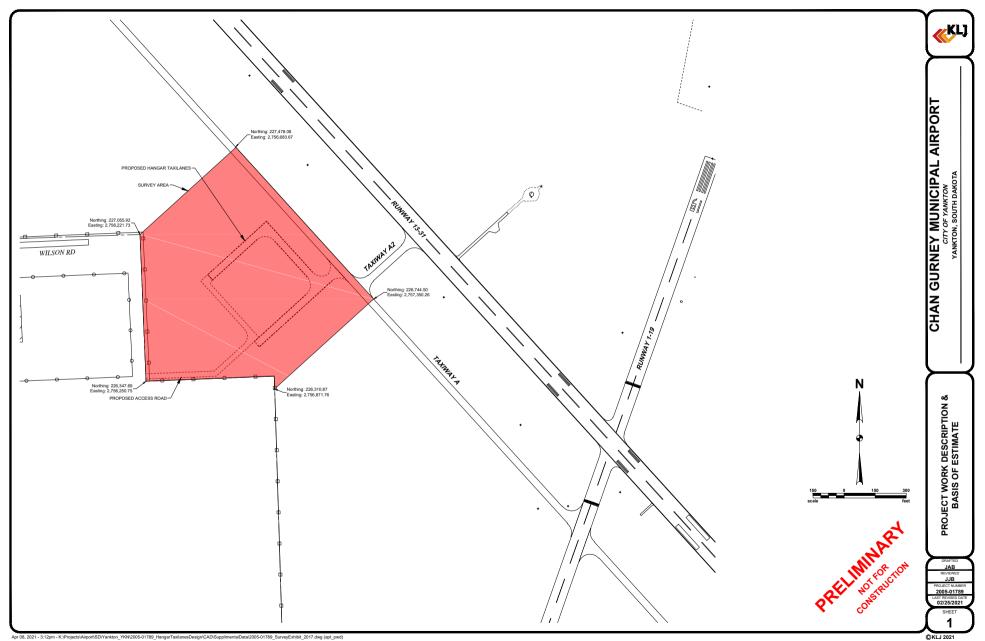
Winner Regional Airport Winner, SD

<u>Design & Construct Runway Panel Replacement and Pavement Maintenance including Spall Repair and Joint Sealant</u>

At present multiple panels within the aiming point zone of Runway 31 have settled substantially. Aircraft experience a noticeable dip when taking off from the 31 end. Through replacement of approximately 20 panels, the settled area can be addressed and the safety of pilots and their aircraft returned. The following photos depict the depth of the settling at its deepest points.







Project Narrative (Justification) 2021 FAA Grant Application Chan Gurney Municipal Airport

Project Item

Design Hangar Taxilane System and Access Road

What is the Project?

The project is for environmental, design and bidding services for a hangar taxilane system and access road at Chan Gurney Municipal Airport. Environmental services shall include a Cultural Resource Inventory, Traditional Cultural Property Survey and Report, Wetland Delineation and Report, and FAA CATEX Form ARP SOP No. 5.00.

Why is the Project Needed Now?

The project is needed now due to demand for hangar development at the airport. In recent years, three private hangars have been constructed on the existing hangar taxilane system. There is currently only one remaining location available on the existing hangar taxilane system. It is anticipated by the time funding becomes available for the construction of the new hangar taxilane development there will be no remaining spaces available on the existing hangar taxilane system. If the taxilanes project is delayed, there will likely be no available hangar development area remaining soon and thus will lead to lost revenue and airport growth. In addition, it is expected that the longer hangar development area is not available, more pilots will begin finding space at other airports in the region, hence reducing potential airport users in the future.

The proposed project will require an ALP sheet "pen and ink" update to address the proposed access road alignment which deviates from what is shown on the most current ALP due to current conditions. Additionally, depending on anticipated hangar configuration/type identified in the detailed design phase, the ALP sheet update may need to address the exact dimensioning and layout of the taxilanes. This was discussed with the local Airport District Office at the annual CIP meeting and was included in the detailed scope of work.

Is the Project Phased?

Yes. This first phase of the project is to complete the project plans and specifications. The second phase is to construct the project, currently scheduled for 2022 and 2023 dependent upon funding availability.

Total AIP Funds Expended this Fiscal Year?

\$123,000

Additional AIP Funds Needed to Complete Project?

\$1,100,000