



Division of Finance & Management
 Office of Air, Rail & Transit
 700 East Broadway Avenue
 Pierre, SD 57501
 O: 605.773-3574 | dot.sd.gov

TO: South Dakota Aeronautics Commission

FROM: Jack Dokken, Office of Aeronautics

DATE: June 12, 2025

SUBJECT: Airport Improvement Program (AIP)/ Infrastructure Investment and Jobs Act (IIJA) Grant Applications

Airport sponsors are requesting funding from the State Aeronautics Fund for the following AIP/ IIJA projects below:

Canton 3-46-0007-018-2025

IIJA: Airport master plan update, narrative, AGIS, exhibit A, land use plan

| | |
|---------------|---------------|
| Federal Share | \$ 181,298.00 |
| State Share | \$ 4,771.00 |
| Local Share | \$ 4,771.00 |
| Total | \$ 190,840.00 |

Canton 3-46-0007-019-2025

AIP: Airport master plan update, narrative, AGIS, exhibit A, land use plan

| | |
|---------------|---------------|
| Federal Share | \$ 167,352.00 |
| State Share | \$ 4,404.00 |
| Local Share | \$ 4,404.00 |
| Total | \$ 176,160.00 |

Faith 3-46-0076-018-2025

IIJA: Renummer 13/31 to 14/32, obstruction analysis and obstruction lighting plan, obstruction lighting

| | |
|---------------|--------------|
| Federal Share | \$ 89,432.00 |
| State Share | \$ 2,353.00 |
| Local Share | \$ 2,354.00 |
| Total | \$ 94,139.00 |

Faith 3-46-0076-019-2025**AIP:** Replace MIRLs guidance signs, controls, electrical vault, windcone

| | |
|---------------|-----------------|
| Federal Share | \$ 965,068.00 |
| State Share | \$ 25,396.00 |
| Local Share | \$ 25,397.00 |
| Total | \$ 1,015,861.00 |

McLaughlin 3-46-0031-017-2025**IJA:** Construct revenue-producing hangar phase 4 site improvements

| | |
|---------------|---------------|
| Federal Share | \$ 137,750.00 |
| State Share | \$ 0.00 |
| Local Share | \$ 7,250.00 |
| Total | \$ 145,000.00 |

Vermillion 3-46-0056-022-2025**AIP:** Construct partial parallel taxiway

| | |
|---------------|-----------------|
| Federal Share | \$ 1,472,500.00 |
| State Share | \$ 38,750.00 |
| Local Share | \$ 38,750.00 |
| Total | \$ 1,550,000.00 |

Vermillion 3-46-0052-023-2025**IJA:** Construct partial parallel taxiway

| | |
|---------------|---------------|
| Federal Share | \$ 166,250.00 |
| State Share | \$ 4,375.00 |
| Local Share | \$ 4,375.00 |
| Total | \$ 175,000.00 |

Wall 3-46-0069-016-2025**IJA:** Reconstruct and rehab partial apron

| | |
|---------------|---------------|
| Federal Share | \$ 103,445.00 |
| State Share | \$ 2,722.00 |
| Local Share | \$ 2,722.00 |
| Total | \$ 108,889.00 |

Part IV - Program Narrative

(Suggested Format)

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

PART IV – PROGRAM NARRATIVE
(Suggested Format)

PROJECT: The project is to Replace Beacon, Flight Check, FAA Closeout Report, and Administration.

AIRPORT: Faith Municipal Airport

1. Objective:

The objective is to Replace Beacon, Flight Check, FAA Closeout Report, and Administration.

2. Benefits Anticipated:

The airport beacon has reached its useful age and a new LED is going to cost less to operate and maintain.

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

Construction, Construction Administration, Construction Observation, and Closeout will be completed through a traditional construction contract. KLJ of Bismarck, North Dakota will serve as the airport's consultant to lead the effort.

4. Geographic Location:

Faith, Meade County, South Dakota

5. If Applicable, Provide Additional Information:

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

Debbie Brown
204 North Main Street, Faith, SD 57646
(605) 967-2261

PART IV – PROGRAM NARRATIVE
(Suggested Format)

PROJECT: The project is to Replace MIRLS, Guidance Signs, Controls, Electrical Vault, Windcone, Construction Administration, Construction Observation, and FAA Closeout Report (Construction).

AIRPORT: Faith Municipal Airport

1. Objective:

The objective is to Replace MIRLS, Guidance Signs, Controls, Electrical Vault, Windcone, Construction Administration, Construction Observation, and FAA Closeout Report (Construction).

2. Benefits Anticipated:

The airport lighting system has reached its useful age and has been struck by lightning causing significant damage and repairs. A new LED system will ensure the system is functional for many years.

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

Construction, Construction Administration, Construction Observation, and Closeout will be completed through a traditional construction contract. KLJ of Bismarck, North Dakota will serve as the airport's consultant to lead the effort.

4. Geographic Location:

Faith, Meade County, South Dakota

5. If Applicable, Provide Additional Information:

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

Debbie Brown
204 North Main Street, Faith, SD 57646
(605) 967-2261

PART IV – PROGRAM NARRATIVE
(Suggested Format)

PROJECT: Renumber Runway 13-31 to 14-32 and Aquire Airport Obstruction Lights

AIRPORT: Faith Municipal Airport

1. Objective:

The objective is to Renumber Runway 13-31 to Runway 14-32, DBE Plan, Obstruction Analysis and Obstruction Lighting Design, Obtaining Obstruction Lights for Installation by Owner, and FAA Closeout Report.

2. Benefits Anticipated:

The existing Runway 13-31 magnetic declination has changed and the Runway is need of renumbering to meet the current magnetic declination of 14-32. The existing runway numerals 13 & 31 will be removed and replaced with the new runway numerals 14 & 32.

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

Construction, Construction Administration, Construction Observation, and Closeout will be completed through a traditional construction contract. KLJ of Bismarck, North Dakota will serve as the airport's consultant to lead the effort.

4. Geographic Location:

Faith, Meade County, South Dakota

5. If Applicable, Provide Additional Information:

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

Debbie Brown
204 North Main Street, Faith, SD 57646
(605) 967-2261

Project Narrative (Justification)

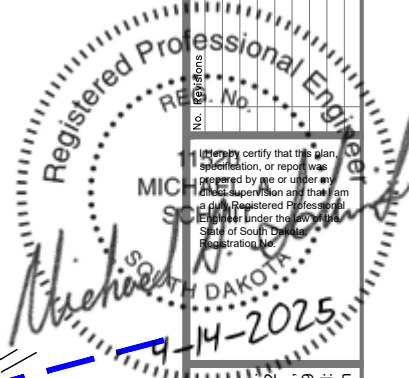
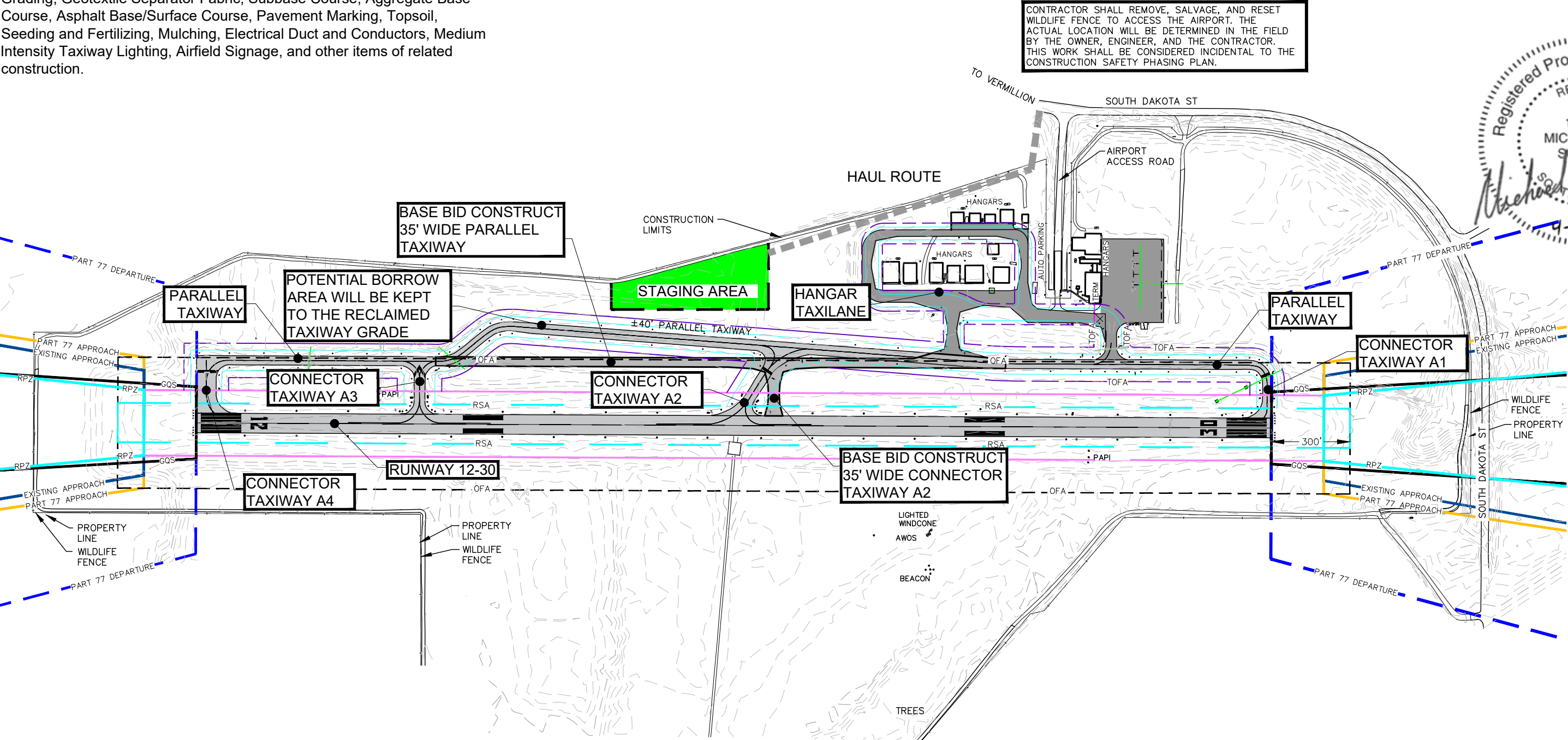
Construct New Hangar – Phase 4 Site Improvements

The McLaughlin Municipal Airport is currently in need of a new hangar to meet the current demands for aircraft storage and to increase airport revenue. Currently there are only 4 hangars at the airport, these hangars are in varying states of repair, and are all occupied by a tenant. There has been vested interest from 2 local pilots and several transient users for the airport to have the capability to provide additional storage for aircraft for both temporary and/or long-term circumstances. Constructing a new Hangar will allow users to rent the space for their aircraft. The hangar would be owned by the City of McLaughlin and would be rented out to pilots to allow them to store their aircraft inside while using the airport. By collecting rent from the proposed hangar, the city would be able to have another source of income from the airport. Having more space available for plans will also bring more traffic to the airport. In order for aircraft to use the proposed hangar, access to the existing hangar taxilanes will be constructed with the project. The included preliminary project sketch provides the location of the proposed hangar as well as a possible haul route and staging area for the project. The proposed hangar will be a pre-fabricated steel building with four separate units or “areas” for pilots to store aircraft. Each of the units will be large enough to store a single plane and will be rented out on a single basis.

The project was bid in the spring of 2024. However, construction of the new hangar is not anticipated to begin until the 2025 construction season due to delays in obtaining construction materials. The City will utilize both Airport Improvement Program (AIP) and Bipartisan Infrastructure Law (BIL) funding to fund the construction of the hangar. The FY 2024 AIP and BIL grants along with the airport’s 2025 fiscal year (FY) BIL entitlements shall be used to fund the project. The revised engineer’s estimate shows the corresponding bid schedule and construction costs each grant is for. The city should expect construction of the hangar to be complete by the fall of 2025 and begin to collect revenue from the hangar shortly thereafter.

Description of Work

This project shall include the reconstruction and realignment of Parallel Taxiway A (±2,000 x 35'). This work includes Asphalt/Base Removal, Grading, Geotextile Separator Fabric, Subbase Course, Aggregate Base Course, Asphalt Base/Surface Course, Pavement Marking, Topsoil, Seeding and Fertilizing, Mulching, Electrical Duct and Conductors, Medium Intensity Taxiway Lighting, Airfield Signage, and other items of related construction.



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PROJECT LAYOUT
PARALLEL TAXIWAY RECONSTRUCTION
HAROLD DAVIDSON FIELD
VERMILLION, SD

Drawn By: NGP
Chk' By: MAS
Proj. No: A-9445
Dwg. No: 9445-02
VP. No: LAY
Date: 4/18/25

Project Narrative (Justification)

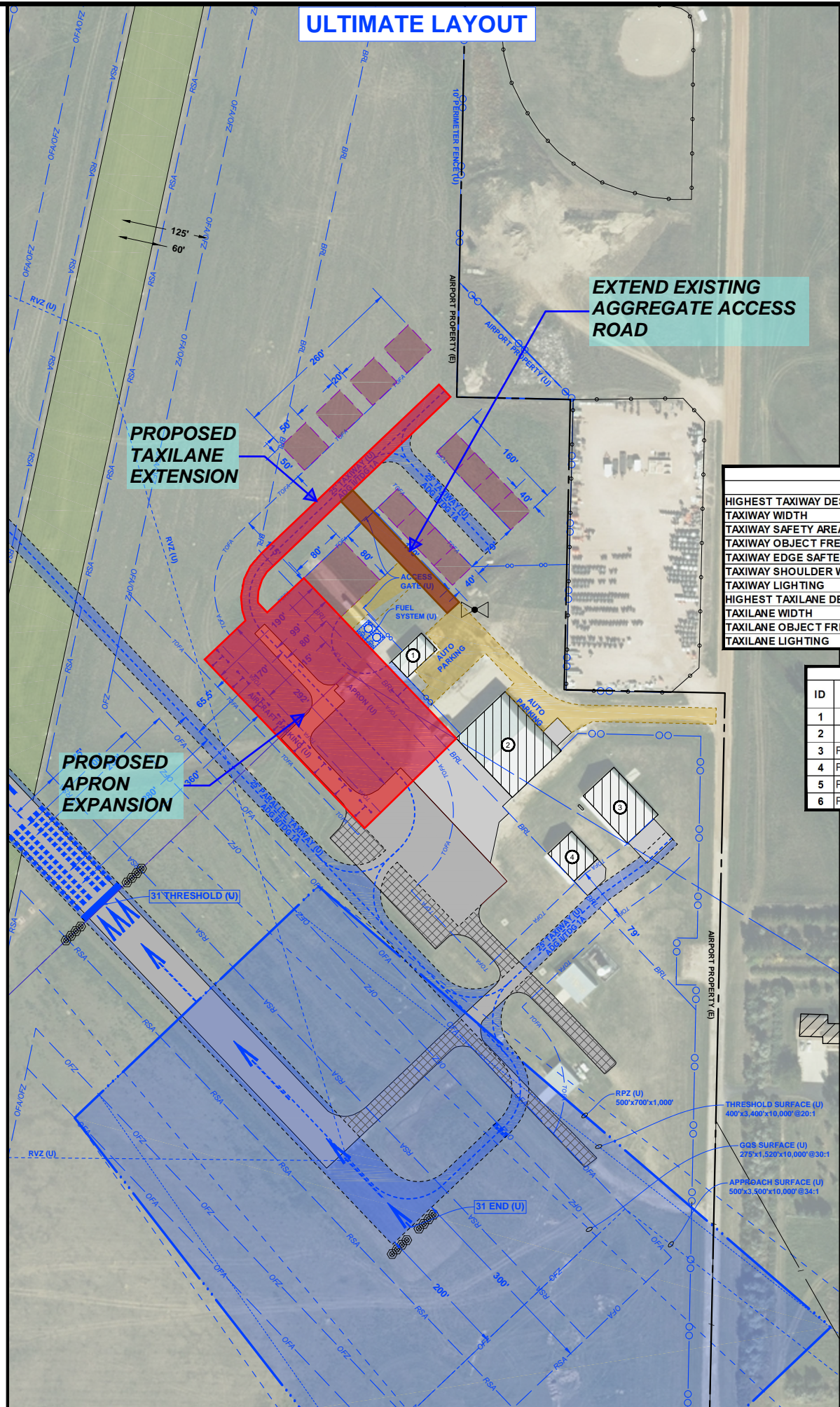
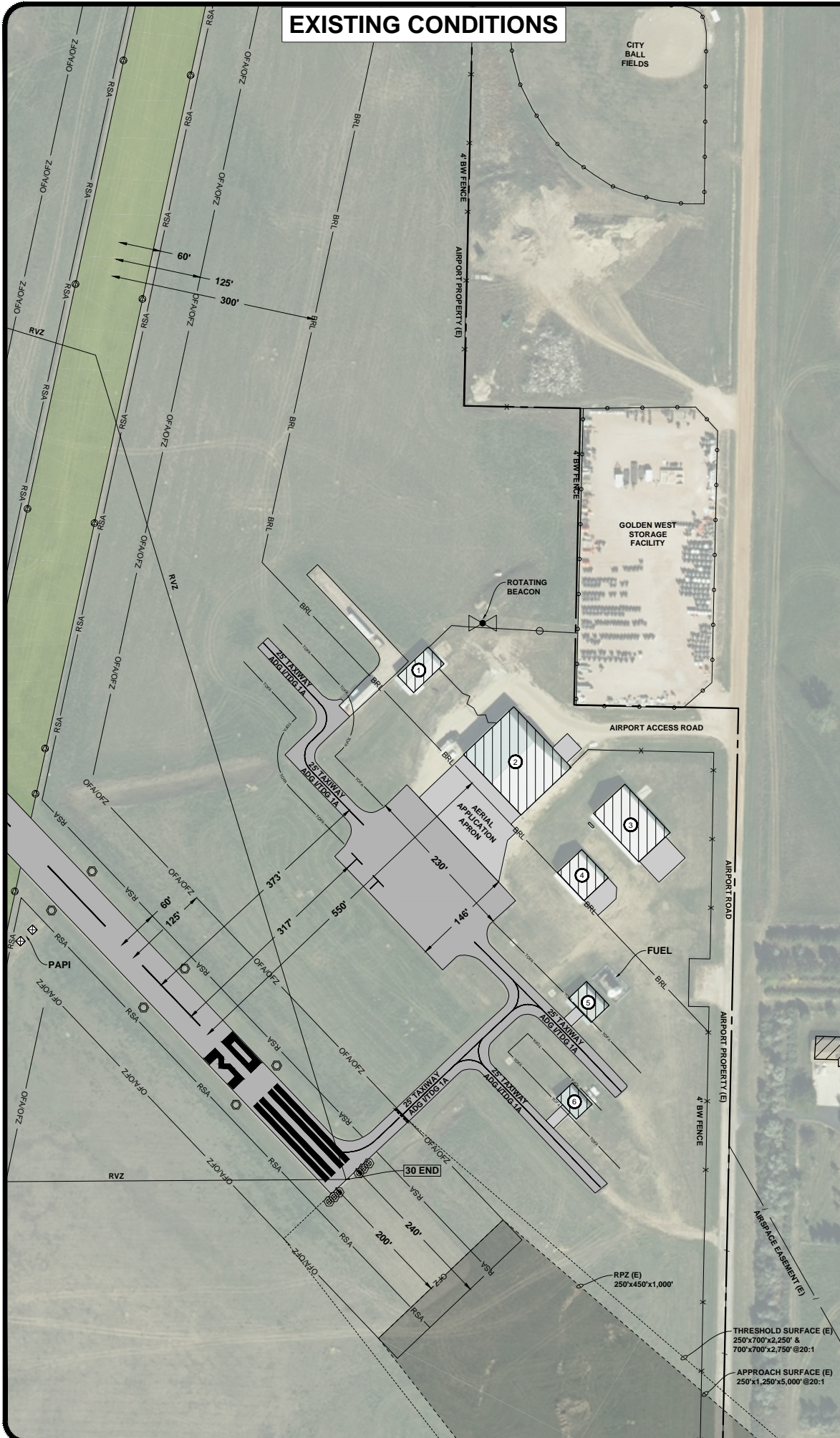
Construction of Parallel Taxiway Reconstruction

This grant includes the construction of the Parallel Taxiway Reconstruction Project. The project will include the reconstruction of 1,760 feet of the 35' wide parallel taxiway. This section of the taxiway was originally constructed in 1976 and received an overlay of asphalt in 1993. The paving section consists of 9" of compacted subgrade, 5" of aggregate base course, and 4.5" of asphalt surfacing. As shown in the table below, the Pavement Condition Index (PCI) values for the pavement have been decreasing steadily over the last 10 years. According to FAA AC 150/5320-6G, pavement sections with a PCI value of less than 55 are candidates for reconstruction.

Table 1: PCI Values for Harold Davidson Field

| Branch ID | Section ID | Pavement | | 2012 | | 2015 | | 2018 | | 2021 | |
|--------------------|------------|----------|----------|------|-----------|------|-----------|------|--------------|------|--------------|
| | | Age | Material | PCI | Condition | PCI | Condition | PCI | Condition | PCI | Condition |
| Parallel Taxiway A | TWA - 105 | 1993 | Asphalt | 62 | Fair | 59 | Fair | 57 | Fair | 48 | Poor |
| Taxiway A2 | TWA2 - 205 | 1993 | Asphalt | 64 | Fair | 59 | Fair | 65 | Fair | 27 | Failed |
| Parallel Taxiway A | TWA - 305 | 2009 | Asphalt | 100 | Good | 93 | Good | 89 | Good | 80 | Satisfactory |
| Connector Taxiway | CTW - 405 | 2017 | Asphalt | -- | -- | -- | -- | 100 | Good | 93 | Good |
| Connector Taxiway | CTW - 410 | 2021 | Asphalt | -- | -- | -- | -- | -- | -- | 100 | Good |
| Runway Turnaround | RT - 505 | 2009 | Asphalt | 100 | Good | 88 | Good | 86 | Good | 71 | Satisfactory |
| Hangar Taxilane | HTW - 605 | 2021 | Asphalt | -- | -- | -- | -- | -- | -- | 100 | Good |
| Taxiway A2 | TWA2 - 715 | 2009 | Asphalt | 93 | Good | 93 | Good | 93 | Good | 87 | Good |
| Taxiway A1 | TWA1 - 725 | 2009 | Asphalt | 100 | Good | 89 | Good | 78 | Satisfactory | 93 | Good |
| Parallel Taxiway A | TWA - 800 | 2008 | Asphalt | -- | -- | 99 | Good | 96 | Good | 93 | Good |

It is proposed that the taxiway will be reconstructed to an adequate depth (up to 65% of frost depth) and include underdrain to reduce the susceptibility to frost heaves and extend the life of the pavement. The existing asphalt and base course will be recycled and reused as subbase material for the new pavement section. The taxiway will be design to satisfy all pertinent FAA design standards.



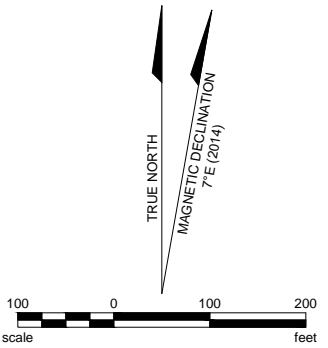
NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. SEE INNER APPROACH SHEETS FOR OBSTACLE DATA.

| LEGEND | | |
|--------------|---------------------------------|---------------------------------|
| EXISTING (E) | ITEM | ULTIMATE (U) |
| --- | AIRPORT PROPERTY LINE | --- |
| --- | AIRSPACE EASEMENT | --- |
| --- | BUILDING RESTRICTION LINE (BRL) | --- |
| --- | RUNWAY OBJECT FREE AREA (OFA) | --- |
| --- | RUNWAY SAFETY AREA (RSA) | --- |
| --- | TAXIWAY OBJECT FREE AREA (TOFA) | --- |
| --- | BUILDING | --- |
| --- | AIRSIDE PAVED SURFACE | --- |
| --- | LANDSIDE ROAD/PARKING | --- |
| --- | TURF RUNWAY/TAXIWAY | --- |
| --- | UNPAVED SURFACE (GRAVEL) | NONE |
| --- | DECIDUOUS/EVERGREEN TREE | NONE |
| --- | TREE ROWS, BUSHES | NONE |
| --- | BARBED WIRE FENCE | --- |
| --- | CHAIN-LINK FENCE | --- |
| --- | WILDLIFE FENCE | --- |
| --- | AIRPLANE TIEDOWN | --- |
| --- | RUNWAY/THRESHOLD LIGHT | --- |
| --- | TAXIWAY LIGHT/TAXIWAY REFLECTOR | --- |
| --- | CULVERT WITH END SECTION | --- |
| --- | N/A | BUILDING/PAVEMENT TO BE REMOVED |

| TAXIWAY DATA TABLE | | |
|-------------------------------------|----------------|----------------|
| | EXISTING (E) | ULTIMATE (U) |
| HIGHEST TAXIWAY DESIGN GROUP (TDG) | 1A | 1A |
| TAXIWAY WIDTH | 25' | 25' |
| TAXIWAY SAFETY AREA WIDTH | 49' | 79' |
| TAXIWAY OBJECT FREE AREA WIDTH | 89' | 131' |
| TAXIWAY EDGE SAFETY MARGIN | 5' | 5' |
| TAXIWAY SHOULDER WIDTH | 10' | 10' |
| TAXIWAY LIGHTING | NONE | MITL |
| HIGHEST TAXILANE DESIGN GROUP (TDG) | 1A | 1A |
| TAXILANE WIDTH | 25' | 25' |
| TAXILANE OBJECT FREE AREA WIDTH | 79' | 115' |
| TAXILANE LIGHTING | NONE | REFLECTORS |

| BUILDING IDENTIFICATION TABLE (E) | | | | |
|-------------------------------------|----------------|----------------|----------------------|---------------|
| ID | DESCRIPTION | PEAK ELEVATION | OBSTRUCTION LIGHTING | DISPOSITION |
| 1 | TERMINAL/SRE | 2831.4 | NONE | TO REMAIN |
| 2 | SASO HANGAR | 2848.5 | NONE | TO REMAIN |
| 3 | PRIVATE HANGAR | 2842.1 | NONE | TO REMAIN |
| 4 | PRIVATE HANGAR | 2840.9 | NONE | TO REMAIN |
| 5 | PRIVATE HANGAR | 2830.4 | NONE | TO BE REMOVED |
| 6 | PRIVATE HANGAR | 2829.1 | NONE | TO BE REMOVED |

Future/Ultimate Building sizes and layouts are based on FAA design standards and best planning practices. The future/ultimate buildings and layouts have not been reviewed for current local building code requirements.



| Rev. | Date | Description |
|------|------|-------------|
| | | |
| | | |
| | | |

DRAFTED
MTK
REVIEWED
KLP
PROJECT NUMBER
10516103

PART IV – PROGRAM NARRATIVE
(Suggested Format)

PROJECT: General Aviation Arpon Expansion and Taxilane Extension

AIRPORT: Wall Municipal Airport

1. Objective:

Limit space is available today for itinerant users to park and tiedown aircraft along with no available hangar development area. This project will provide additional general aviation apron area approximately 7,200 square yard in size and a taxilane 25 feet wide and approximately 450 feet long to access multiple hangar development sites.

2. Benefits Anticipated:

Promote aviation growth through provide additional area for itinerant users along with an area for additional private hangar development, thus assisting in the airport becoming more self sufficient.

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

The project will utilize a standard form of project delivery to include a design - bid - build approach with a single phase of construction

4. Geographic Location:

Wall Municipal Airport; City of Wall; County of Pennington; and 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 Director |
| 501 Main Street - P.O. Box 314 | |
| Wall, SD 57790 | Telephone No.: 605.279.2663 |