

NEBRASKA AERONAUTICS COMMISSION

February 9, 2024

FEDERAL AID PROJECT REQUESTS

Airport	Scope		Total	Potential Funding Source
Albion	1	(B04) North Hangar	\$1,500,000	Non-Primary Entitlement and BIL
	<i>Notes: Costs from engineer's cost estimate, not Datasheet.</i>			
	2	(P01) ALP Update	\$350,000	Non-Primary Entitlement
<i>Notes:</i>				
Albion Total			\$1,850,000	
Alma	3	(B03) Construct 100'x100' Hangar	\$1,629,000	Non-Primary Entitlement and BIL
	<i>Notes:</i>			
Alma Total			\$1,629,000	
Beatrice	4	(B02) 110'c100' Box Hangar (80' Wide Aircraft Doors) W/ Approach Pavement	\$3,000,000	Non-Primary Entitlement and BIL
	<i>Notes:</i>			
	5	(M04) Above Ground Fuel Facility	\$700,000	BIL
<i>Notes:</i>				
Beatrice Total			\$3,700,000	
Blair	6	(R01) Design Runway/Taxiway Extension to 5,500' with Initial AGIS	\$500,000	Non-Primary Entitlement
	<i>Notes:</i>			
	7	(R02) Runway and Parallel Taxiway Extension (Grading)	\$1,200,000	Non-Primary Entitlement and State Apportionment
	<i>Notes:</i>			
	8	(R03) Runway and Parallel Taxiway Extension (Paving and Electrical)	\$3,600,000	Non-Primary Entitlement and State Apportionment
<i>Notes:</i>				
9	(R04) Rehabilitate Runway 13/31	\$477,000	Non-Primary Entitlement	
<i>Notes:</i>				
Blair Total			\$5,777,000	
Columbus	10	(G02) Airfield Lighting	\$1,200,000	Non-Primary Entitlement and State Apportionment
	<i>Notes:</i>			
Columbus Total			\$1,200,000	
Creighton	11	(G02) Electrical Improvements (Runway Lighting, PAPIs, Beacon, and Vault)	\$1,060,000	Non-Primary Entitlement and State Apportionment
	<i>Notes:</i>			
Creighton Total			\$1,060,000	

Crete	12	(B05) Construct 3-Bay Hangar	\$2,230,000	Non-Primary Entitlement and BIL
	<i>Notes:</i>			
	13	(M05) Rehabilitate Runway 17/35, Taxiways, Apron, and Taxilane Pavement	\$970,000	Non-Primary Entitlement and State Apportionment
<i>Notes:</i>				
Crete Total			\$3,200,000	
David City	14	(P02) Environmental Assessment for Runway Extension	\$150,000	Non-Primary Entitlement
	<i>Notes:</i>			
David City Total			\$150,000	
Fairmont	15	(G01) Remove and Replace Runway 17/35 Lighting System (MIRL)	\$478,000	BIL
<i>Notes:</i>				
Fairmont	16	(X01) Rehabilitate Parallel Taxiway and Connecting Taxiways to Runway 17/35	\$1,702,000	BIL
<i>Notes:</i>				
Fairmont Total			\$2,180,000	
Fremont	17	(X03) Construct Partial Parallel Taxiway (Phase 1)	\$3,040,000	Non-Primary Entitlement and State Apportionment
	<i>Notes:</i>			
	18	(X04) Construct Partial Parallel Taxiway (Phase 2)	\$2,290,000	Non-Primary Entitlement and State Apportionment
<i>Notes:</i>				
Fremont Total			\$5,330,000	
Gordon	19	(P02) Airport Master Plan Update/Update ALP with AGIS and Exhibit A	\$320,000	Non-Primary Entitlement
	<i>Notes:</i>			
Gordon Total			\$320,000	
Hartington	20	(B05) Construct 6-Place T-Hangar	\$1,660,000	Non-Primary Entitlement and BIL
	<i>Notes:</i>			
	21	(B06) Construct 100' x 100' Box Hangar	\$1,990,000	Non-Primary Entitlement and BIL
<i>Notes:</i>				
Hartington Total			\$3,650,000	
Harvard	22	(X01) Rehabilitate Taxiways and Drainage Improvements	\$1,569,000	BIL
	<i>Notes:</i>			
Harvard Total			\$1,569,000	
Hastings	23	(G06) Airfield Marking, Signage and Lighting - Install Taxiway Lighting	\$3,653,200	Non-Primary Entitlement and State Apportionment
	<i>Notes:</i>			
	24	(G07) Airfield Marking, Signage and Lighting - Install Runway 4-22 Lighting	\$1,380,600	Non-Primary Entitlement and State Apportionment
<i>Notes:</i>				
Hastings Total			\$5,033,800	

Hebron	25	(M05) 4,000 Galloon Jet A Fuel Tank	\$300,000	Non-Primary Entitlement
<i>Notes:</i>				
Hebron Total			\$300,000	
Kearney	26	(A02) Rehabilitate Apron for Public Aircraft Access	\$2,310,000	Primary Entitlement and Community Directed
<i>Notes:</i>				
Kearney Total			\$2,310,000	
Loup City	27	(P01) Masterplan Update (Including Airport Layout Plan and AGIS)	\$350,000	Non-Primary Entitlement
<i>Notes:</i>				
Loup City Total			\$350,000	
McCook	28	(M04) New 100LL and Jet A Self Service Fuel Facility and Apron Expansion	\$836,000	Non-Primary Entitlement and BIL
<i>Notes:</i>				
	29	(M05) Revise RWY Designation on 21/30 & 17/35 to 13/31 & 18/36, Repaint RWY 12/30	\$328,000	Non-Primary Entitlement
<i>Notes:</i>				
McCook Total			\$1,164,000	
Norfolk	30	(B04) Construct Terminal Building	\$4,972,687	ATP Request
<i>Notes:</i>				
	31	(B05) 2-Bay Box Storage Hangar	\$1,400,000	Non-Primary Entitlement and BIL
<i>Notes:</i>				
Norfolk Total			\$6,372,687	
Ord	32	(P01) Masterplan Update (Including Airport Layout Plan and AGIS)	\$350,000	Non-Primary Entitlement
<i>Notes:</i>				
Ord Total			\$350,000	
Scribner	33	(X01) Rehabilitate Parallel Taxiway and Connecting Taxiway to Runway 17/35	\$5,676,900	BIL
<i>Notes:</i>				
Scribner Total			\$5,676,900	
Sidney	34	(X01) Construct New Full Parallel TW Pavement for RW 3/21	\$5,600,000	Non-Primary Entitlement and State Apportionment
<i>Notes: A request to pave and light RWY 3/21 was previously approved.</i>				
	35	(G03) New MIRL, MITL, and Guidance Signage for RY 3/21	\$2,400,000	Non-Primary Entitlement and State Apportionment
<i>Notes:</i>				
Sidney Total			\$8,000,000	
Tekamah	36	(E02) Acquire Snow Removal Equipment	\$260,000	Non-Primary Entitlement and BIL
<i>Notes:</i>				
Tekamah Total			\$260,000	
Wahoo	37	(B04) Combination Open-Bay and T-Hangar	\$1,469,000	Non-Primary Entitlement and BIL
<i>Notes:</i>				
Wahoo Total			\$1,469,000	

York	38	(R05) Design Runway 17/35 Reconstruction (Preliminary Design, Final Design, AGIS, and	\$480,000	Non-Primary Entitlement
	<i>Notes:</i>			
	39	(R06) Reconstruct Runway 17/35	\$9,200,000	Non-Primary Entitlement and Discretionary
	<i>Notes:</i>			
	40	(G03) Remove and Replace Parallel Taxiway Lighting	\$880,000	Non-Primary Entitlement and BIL
	<i>Notes:</i>			
York Total			\$10,560,000	
Valentine	41	(A01) Apron Expansion	\$1,140,000	Non-Primary Entitlement and BIL
	<i>Notes:</i>			
Valentine Total			\$1,140,000	
Kimball	42	(B04) Rehabilitation of Existing Aviation Hangars	\$600,000	Non-Primary Entitlement
	<i>Notes:</i>			
Kimball Total			\$600,000	

We recommend approval to forward these requests to the FAA for consideration of future funding.



Anna Lannin, P.E.
Engineering Division Manager

PROJECT Miller Field - Valentine (A01)

STATE CLASSIFICATION:

SCOPE Apron Expansion

National

DATE OF ESTIMATE 1/17/247

COST ESTIMATE:

Construction	\$876,600.00	
Engineering & Administration	\$262,980	
Total	\$1,139,580.00	ROUNDED \$1,140,000.00

FUNDS:

<u>State</u>	<u>Sponsor</u>	<u>Federal</u>	<u>Total</u>
\$0	\$114,000	\$1,026,000	\$1,140,000
0%	10%	90%	

BASED AIRCRAFT:

Single	29
Multi	3
Jet	0
Helicopters	0
Gliders	0
Military	0
Ultra-Light	0

OPERATIONS:

Air Carrier	0
Air Taxi	2,000
GA Local	3,000
GA Itinerant	2,000
Military	15

Total	32	Total	7,015
-------	----	-------	-------

ZONING STATUS:

Meets NDA Standard.

OBSTRUCTION/SAFETY:

Last Inspection date: 8/7/2023
No Discrepancies

LAST PROJECT:

Project No. 3-31-0084-015, Parallel Taxiway
Project No. 3-31-0084-017, ALP

PAVEMENT MAINTENANCE:

Pavement maintenance done on a regular basis.
Pavement condition, 2023 PCI:
Runways: Good
Taxiways: Good (Poor Turnaround)
Aprons: Good

LAST AIRPORT AUTHORITY MEETING

8-Feb-24
(Meetings are held on the 2nd Thursday of the month)

FEDERAL AVIATION ADMINISTRATION
 CAPITAL IMPROVEMENT PROGRAM (CIP)
 AIRPORTS DIVISION - CENTRAL REGION

CIP DATA SHEET

A01

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION

Airport Name, LOCID, City, State:	Miller Field, VTN, Valentine, Nebraska		
AIP Project Type:	Apron Expansion		
Local Priority:	1 - Very High	Federal Share:	\$ 1,026,000.00
FFY Requested:	2025	State Share:	\$ 0.00
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$ 114,000.00
		Total Project Cost:	\$ 1,140,000.00

Project Description: Apron Expansion.
Justification: The airport needs additional space to tie down itinerant aircraft.
Airport Layout Plan (ALP) Status: The project will be incorporated into the ALP project which is currently being completed.
Environmental (NEPA) Determination: Categorically excluded per Section 5-6.4e FAA Order 1050.1F.
Pavement Project PCI Score: PCI score is not applicable for new pavement.
Pavement Project Dimensions: Apron will be approximately 400' x 120'.
Pavement Project Apron Calculations: The worksheet shows that at least 9,455 square yards are needed. The existing apron has 2,600 square yards, so the airport needs an additional 6,855 square yards.
Clear Approach and Departure Surfaces: To the best of our knowledge all surfaces in AC 150/5300-13 and FAA Order 8260.3 are clear.
FAA-Owned Facility Impact: There is no impact to FAA-owned facilities.
Snow Removal Equipment (SRE) Inventory and Sizing Calculations: Not Applicable.
Useful Life: Not applicable because no rehabilitation, reconstruction or replacement is proposed.
AIP Funded Equipment Disposal: None.
Revenue Producing Project: Not Applicable.
Land Ownership: The Airport Authority has the use and occupancy of all land upon which AIP funds will be expended for development. In accordance with Nebraska Statute 3-503, the title of real property remains with the city of Valentine.

SPONSOR SIGNATURE BLOCK

Signature:	<i>Shane Siewert</i>	Date:	<i>11/7/24</i>
Printed Name:	Shane Siewert	Title:	City Manager
Phone Number:	402-376-2323	Email:	Shane.Siewert@ValentineNE.gov

ACIP Cost Estimate

Apron Expansion

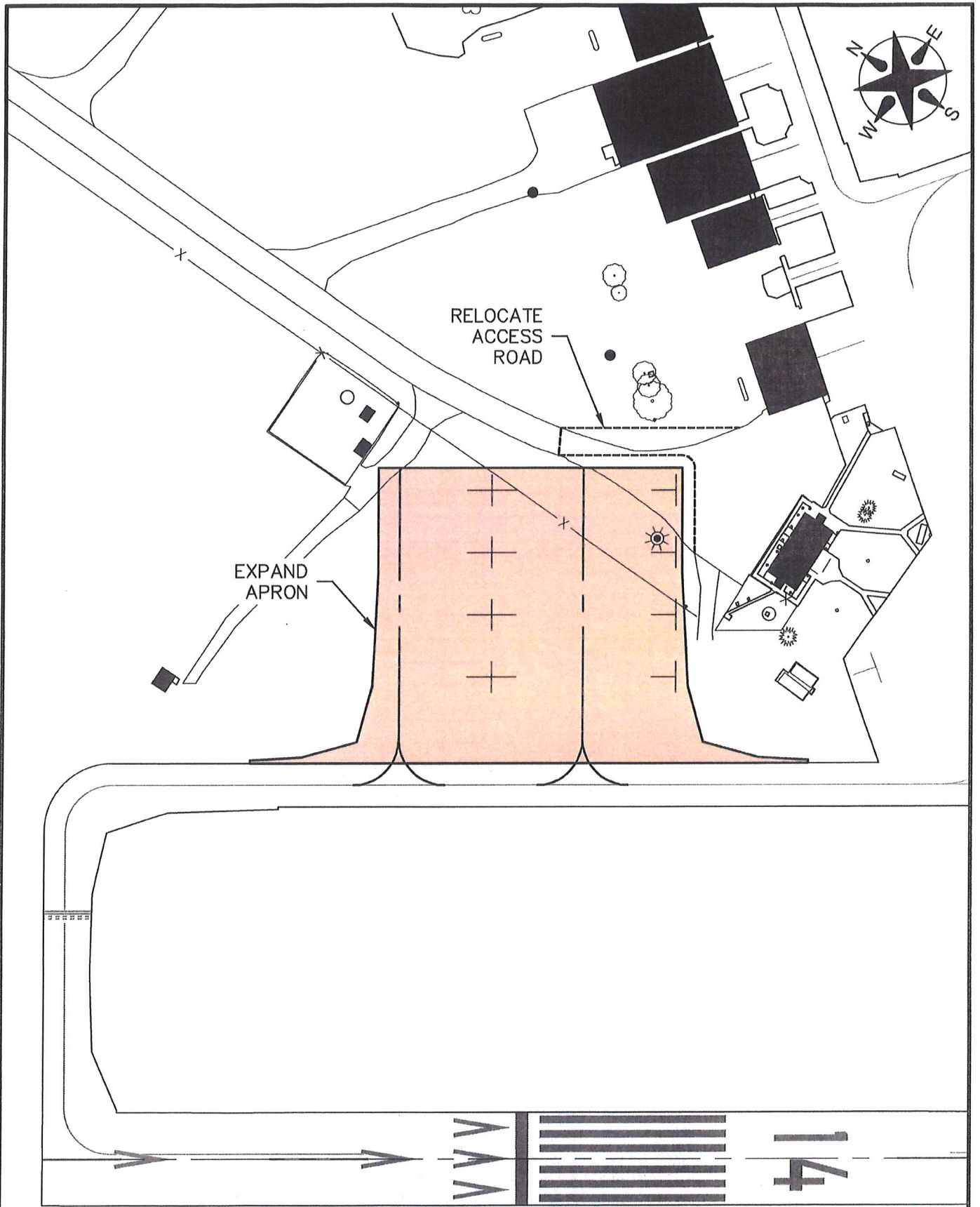
Valentine Municipal Airport
Valentine, Nebraska

January, 2024

					Apron Expansion	
Item No.	Spec	Description	Unit	Unit Price	Quantity	Total Amount
1	C-100	Contractor Quality Control Program (CQCP)	LS	\$ 15,000.00	1	\$15,000.00
2	C-102	Temporary Seeding and Mulching	AC	\$ 3,000.00	3	\$9,000.00
3	C-102	Installation and Removal of Silt Fence	LF	\$ 5.00	500	\$2,500.00
4	C-102	Erosion Control Blanket	SY	\$ 5.00	765	\$3,825.00
5	C-102	Installation and Removal of Wattle Barrier	LF	\$ 10.00	120	\$1,200.00
6	C-105	Mobilization	LS	\$ 78,000.00	1	\$78,000.00
7	P-152	Unclassified Excavation	CY	\$ 15.00	5,000	\$75,000.00
8	P-208	6" Aggregate Base Course	SY	\$ 18.00	7,240	\$130,320.00
9	P-208	Access Road Relocation	LS	\$ 10,000.00	1	\$10,000.00
10	P-501	Concrete Mix Design	LS	\$ 15,000.00	1	\$15,000.00
11	P-501	6" Concrete Pavement	SY	\$ 65.00	6,895	\$448,175.00
12	P-501	Tie-down Anchor	EA	\$ 350.00	28	\$9,800.00
13	P-620	Marking with Reflective Media	SF	\$ 3.00	560	\$1,680.00
14	P-620	Marking w/o Reflective Media	SF	\$ 2.50	1,120	\$2,800.00
15	P-620	Temporary Marking	SF	\$ 2.50	560	\$1,400.00
16	L-103	Beacon Relocation	LS	\$ 8,000.00	1	\$8,000.00
17	L-108	1/c No. 8 AWG 5kV, L-824, Type C Cable, Installed in Conduit	LF	\$ 4.00	600	\$2,400.00
18	L-108	2/c #6 600V Cables with #8 Ground	LF	\$ 6.00	200	\$1,200.00
19	L-108	No. 6 AWG Solid Bare Copper Counterpoise Wire, Installed Above Duct Bank or Conduit, Including Connections/Terminations	LF	\$ 4.00	700	\$2,800.00
20	L-110	Non-Encased Electrical Conduit, 1-Way, 2" SCH 80 Conduit, Minimum 24" Cover	LF	\$ 15.00	700	\$10,500.00
21	L-115	Electrical Junction Structure (L-867B)	EA	\$ 800.00	2	\$1,600.00
22	L-125	Base-Mounted Light Removal	EA	\$ 350.00	4	\$1,400.00
23	T-901	Seeding	AC	\$ 3,000.00	3	\$9,000.00
24	T-908	Mulching	AC	\$ 2,000.00	3	\$6,000.00
25	Olsson 100	Construction Layout and Stakes	LS	\$ 15,000.00	1	\$15,000.00
26	Olsson 101	Temporary Safety and Phasing Procedures	LS	\$ 15,000.00	1	\$15,000.00

Total Construction **\$876,600.00**
Engineering & Administration **\$262,980.00**
Total (Rounded) **\$1,140,000.00**

Federal (90%) **\$1,026,000.00**
Local (10%) **\$114,000.00**



PROJECT NO: -
 DRAWN BY: JDB
 DATE: 1/2024

PROPOSED PROJECT
 VALENTINE MUNICIPAL
 AIRPORT (VTN)

olsson
 601 P Street, Suite 200
 P.O. Box 84608
 Lincoln, NE 68508
 TEL 402.474.6311

EXHIBIT
 1

Apron Size Calculations for Transient Aircraft

Airport Miller Field
Location Valentine, Nebraska

Existing Apron
 # square yards → 2600

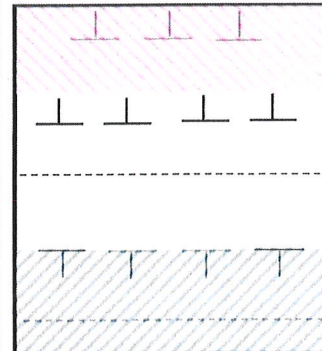
You can calculate size of apron based upon total annual ops using extrapolation methods from TFMCS data or actual airport records. In absence of this, you may develop an estimate of annual operations based upon number of validated based aircraft.

	<u>Based Aircraft</u>	OR	<u>Total Annual Ops</u>
1. Calculate the total annual operations			
Enter number of based aircraft →	32		
Enter number of operations per aircraft ¹ →	350		
Total Annual Operations →	11,200		11200
2. Busiest Month (% of Annual Ops) ²			
Enter % of Annual Ops that occur in busiest month →	20		
Busiest Month Operations →	2,240		2240
3. Busiest Day (10% > Avg Day)			
Enter Busiest Month (e.g. August) →	Jun		
Avg Day Busy Month →	75		75
Busiest Day 10% > avg. day →	82		82
4. # Itinerant Aircraft			
Enter % of Itinerant Operations ³ →	35		
# Itinerant Aircraft operations →	29		29
# Itinerant Aircraft Landing Operations →	14		14
Enter % of Itinerant Operations on ground →	50		
# Itinerant AC on ground (assume 50%) →	7.19		7.19
Enter % ADG I Itinerant on ground ⁴ →	30		2.16
Enter % ADG II Itinerant on ground ⁴ →	70		5.03
5. Apron area			
# square yards per ADG I aircraft ^b →	755		
ADG I Apron Area (sq yds) →	1,628		1,628
# square yards per ADG II aircraft ^b →	1385		
ADG II Apron Area (sq yds) →	6,967		6,967
Total Apron Area (sq yds) →	8,595		8,595
6. Planned Apron (10% >)			
# square yards →	9,455		9,455
7. Planned minus Existing (Net area)			
# square yards →	6,855		6,855

NOTES:

1. Ops/Based Aircraft: Basic GA-250, Local GA-350, Regional-450, Busy Reliever-750
2. Calculate from TFMSC data. In absence of TFMSC data, amount of activity can be determined from fuel sales or from actual operations counts. For example if month with highest fuel sales accounts for 20% of annual sales, use 20% of annual as busy month. If actual traffic counts available, use those.
3. Calculate from TFMSC data. Assume 50% of operations itinerant if no records.
4. Calculate from TFMSC data. In absence of TFMSC data or airport records, assume 50% ADG I and 50% ADG II.
5. Planning areas shown assume 10' clearance between wingtips. Taxilane @ edge places taxilane on edge of apron.

Apron Area	w/o Taxilane	w/Taxilane @ edge	w/Taxilane
Group I	360	755	960
Group II	490	1,075	1,385



PROJECT Robert E. Arraj Field - Kimball (B04)

STATE CLASSIFICATION:
Regional

SCOPE Rehabilitation of Existing Aviation Hangars

DATE OF ESTIMATE 08-Feb-24

COST ESTIMATE:

Construction	\$515,000.00		
Engineering & Administration	\$85,000		
Total	\$600,000.00	ROUNDED	\$600,000.00

FUNDS:

<u>State</u>	<u>Sponsor</u>	<u>Federal</u>	<u>Total</u>
\$0	\$60,000	\$540,000	\$600,000
0%	10%	90%	

BASED AIRCRAFT:

Single	12
Multi	0
Jet	0
Helicopters	0
Gliders	0
Military	0
Ultra-Light	0

OPERATIONS:

Air Carrier	0
Air Taxi	100
GA Local	3,650
GA Itinerant	2,000
Military	250

Total	12	Total	6,000
-------	----	-------	-------

ZONING STATUS:

Meets NDA Standard.

OBSTRUCTION/SAFETY:

Last Inspection date: 7/1/2022
No Discrepancies

LAST PROJECT:

Project No. 3-31-0047-12, Runway Rehab

PAVEMENT MAINTENANCE:

Pavement maintenance done on a regular basis.
Pavement condition, 2022 PCI:
Runways: Fair
Taxiways: Poor to Good
Aprons: Good

LAST AIRPORT AUTHORITY MEETING

15-Jan-24
(Meetings are held on the 3rd Monday of the month)

Capital Improvement Program (CIP) Data Sheet

See the instructions section for information on completing this FAA Central Region form.

Airport Name, LOCID, City, State:	Kimball Municipal Airport (IBM), Kimball, NE		
AIP Project Type:	Rehabilitation of Existing Aviation Hangars		
Local Priority:	2 - High	Federal Share:	\$ 540,000
Federal FY Requested:	2025	State Share:	\$
		Local Share:	\$ 60,000
		Total Project Cost:	\$ 600000

Provide detailed project scope and justification below. You must attach on a *separate* sheet or PDF a sketch/drawing that clearly depicts the scope of the project.


The Airport has 2 aviation hangars on the north end of the GA apron that are over 30 years old which currently house aircraft. The hangars are structurally sound, but the Airport needs to replace the exterior sheeting, roofing, insulation, aviation doors, and complete minor concrete apron assess pavement repairs. The Airport is requesting that the hangars be rehabilitated to provide a moisture tight storage facility for the existing aircraft that is stored in the hangars.

Sponsor Signature Block

Signature:	Ryan McElroy <small>Digitally signed by Ryan McElroy Date: 2024.02.08 08:26:26 -07'00'</small>	Date:	02/08/2024
Printed Name:	Ryan McElroy	Title:	Chairman - Kimball Airport Authority
Phone Number:	308-235-4645	Email:	ryan.mcelroy@grisk.com

**Kimball Airport Authority
Kimball Municipal Airport - Robert E. Arraj Field
Hangar Rehabilitation**



LOCATION MAP  PROJECT LOCATION

M. C. SCHAFF AND ASSOCIATES, INC.
818 SOUTH BELLINE HIGHWAY EAST
SCOTTSBUFF, NEBRASKA 69361

ENGINEERS ♦ PLANNERS ♦ DESIGNERS ♦ LAND SURVEYORS
PH: 308.635.1926 FAX: 308.635.7807 INTERNET: WWW.MCSCHAFF.COM



Kimball Municipal Airport - Hangar Rehabilitation

Estimate of Probable Costs 2/08/2024

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS	\$50,000	\$50,000.00
2	Remove Aviation Door	9	EA	\$2,000	\$18,000.00
3	Remove Exterior Siding	7,500	SF	\$2	\$15,000.00
4	Remove Exterior Roofing	8,000	SF	\$2	\$16,000.00
8	Remove Concrete	1,000	SF	\$5	\$5,000.00
9	6-inch Agg Base Course	1,000	SF	\$6	\$6,000.00
10	Structural Concrete	20	CY	\$1,000	\$20,000.00
11	6-inch Concrete Pavement	1,000	SF	\$10	\$10,000.00
12	New Aviation Door	9	EA	\$20,000	\$180,000.00
13	New Exterior Siding	7,500	SF	\$10	\$75,000.00
14	New Exterior Insulation	7,500	SF	\$4	\$30,000.00
15	New Roofing	8,000	SF	\$10	\$80,000.00
18	Electrical for Aviation Doors	1	LS	\$10,000	\$10,000.00

Total Estimated Construction Cost = \$515,000.00

Total Estimated Engineering Fees = \$85,000.00

Total Estimated Project Cost = \$600,000.00

