Build Kansas Fund | Fiscal Year 2025 Application Package | Memo



To: Representative Troy Waymaster, Chair, Build Kansas Advisory Committee Chardae Caine, Kansas Legislative Research Department Shauna Wake, Office of the Kansas State Treasurer

From: Matthew A. Volz, PE, Executive Director, Kansas Infrastructure Hub

RE: Build Kansas Fund Application #2025-092-GP

Date: March 14, 2025

Attached, please find an application made to the Build Kansas Fund by the Hugoton Municipal Airport. The application packet includes the following items:

- Coversheet provides a high-level overview of the application including a unique identification number, page 1 of 20 of the Build Kansas Fund Application Package.
- Build Kansas Fund Application includes information submitted with the Build Kansas Fund Application, pages 2-7. Page 8 provides the table of funding sources and zip codes served by the project.
- Attachments
 - Engineer's Report, pages 9-14.
 - FAA Form 5100-100, pages 15-17.
 - Standard Form- 424, pages 17-20.

Project Overview

The Hugoton Municipal Airport seeks funding from the Federal Aviation Administration (FAA) for funding available through the Airport Infrastructure Grants (AIG) program for their Improvements to runway, taxiway, lighting, signage, and electrical infrastructure at Hugoton Municipal Airport Project.

This opportunity is a formula BIL program with a local match requirement of 10% of the total project cost. The entity is requesting \$18,249.00 from the Build Kansas Fund, and is providing a local match of \$18,249.00 This request has the potential to unlock \$328,482.00 in federal funds, for a total project cost of \$364,980.00.

The deadline is September 30, 2025 and this Build Kansas Fund application was received on February 14, 2025.

Build Kansas Fund Steering Committee Recommendation

The Build Kansas Fund Steering Committee reviewed this application on March 12, 2025 following a successful completeness check. The Steering Committee **RECOMMENDS APPROVAL** of Build Kansas Funding to the Build Kansas Advisory Committee for final advice.

Build Kansas Fund | Fiscal Year 2025 Application Package | Coversheet



Build Kansas Fund Application Number	2025-092-GP	
Applicant Name	Hugoton Municipal Airport	
Application Date Received	2/14/2025	
Project Name	Airport Infrastructure Grants (AIG) Program	
Project Description	Improvements to runway, taxiway, lighting, signage, and electrical infrastructure at Hugoton Municipal Airport.	
Entity Type	County Government	
Economic Development District (EDD) Planning Commission	Great Plains Development, Inc.	
Infrastructure Sector(s)	Transportation	
BIL Program	Airport Infrastructure Grants (AIG) Program	
BIL Program Type	Formula	
Application Type	Implementation	
BIL Application Deadline	9/30/2025	
Build Kansas Fund Request	\$18,249.00	
	General Yes 🗆 No 🖂	
	BIL Application Yes No	
Technical Assistance Received	Build Kansas Fund Application Yes $oxtimes$ No \Box	
	Other (Brief Description): Provided BKF Application Support.	
Application Notes	Build Kansas Fund contribution of \$18,249.00 will unlock \$328,482.00 in federal BIL funding, with a local cash contribution of \$18,249.00 for a total project cost of \$364,980.00.	
Steering Committee Funding Recommendation	3/12/2025 Recommend 🛛 Declined 🗆	
Advisory Committee Funding Recommendation	3/18/2025 Recommend 🗌 Declined 🗌	

Title

Hugoton Municipal Airport

02/14/2025

by Traci Grant in Build Kansas Fund Application

id. 49663497

tlgrant@garverusa.com

Original Submission 02/25/2025 Score n/a Part 1: Applicant Information The name of the Hugoton Municipal Airport entity applying for the Build Kansas Fund: Airport Infrastructure Grants (AIG) Program Project Name: Entity type: **County Government Entity Population:** 3,747 **Applicant Contact** Robert Name: Davis **Applicant Contact** Airport Board Chairman Position/Title: **Applicant Contact** +16205446883 Telephone Number: **Applicant Contact** skylane_735@yahoo.com Email Address: **Applicant Contact** Stevens County Address: **Applicant Contact PO Box 130** Address Line 2 (optional): **Applicant Contact** Hugoton City: Kansas **Applicant Contact**

State:

Applicant Contact Zip 67951 Code: Is the Project Yes Contact the same as the Applicant Contact? Part 2: Build Kansas Fund - Eligibility Criteria Certify that you are Yes pursuing a Bipartisan Infrastructure Law (BIL) funding opportunity for which your entity is eligible: Certify that the Yes Bipartisan Infrastructure Law (BIL) funding opportunity you are pursuing has a required non-federal match component: What is the primary **Stevens County** county that the

The Build Kansas Fund is intended to support Kansas-based infrastructure projects. Please provide a list of all the zip codes this project will be located in, along with an estimated percent [%] of the project located in that zip code. For example, if seeking funding for road infrastructure, provide a rough percent of the roads expected in each zip code:

Zip Code Percentage.xlsx

project will occur in?

	Part 3: Bipartisan Infrastructure Law (BIL) - Grant Application Information Please Note: This information is related to the federal Bipartisan Infrastructure Law (BIL) funding opportunity to which you will apply. This is NOT information for the Build Kansas Match Fund.
Please enter the Bipartisan Infrastructure Law (BIL) funding opportunity title that the entity is applying for:	Airport Infrastructure Grants (AIG) Program
What is the funding agency for this Bipartisan Infrastructure Law (BIL) funding opportunity?	Federal Aviation Administration

What is the Assistance Listing Number (ALN) for this Bipartisan Infrastructure Law (BIL) funding opportunity?	20.106
What is the federal application due date for this Bipartisan Infrastructure Law (BIL) funding opportunity?	9/30/2025
Application Type:	Implementation
What is the federal fiscal year for this Bipartisan Infrastructure Law (BIL) funding opportunity?	2024
Enter the amount of funding being applied for, from the Bipartisan Infrastructure Law (BIL) funding opportunity:	\$328,482.00
Enter the total project cost:	\$364,980.00
Enter the required non-federal match percentage:	10%
	Part 4: Build Kansas Fund - Match Application Information Beginning in July 2024 and moving forward, eligible applicants are expected to contribute a portion of the non-Federal match requirement. This contribution can be in the form of cash and/or in-kind contributions. The goal is to demonstrate the applicant's commitment to the project. The contribution should be significant enough relative to the Build Kansas Fund request. For a local public entity, 5% of the non-federal match is a good guideline, but not a requirement. See Build Kansas Fund Program Guidance for exceptions and more information.

Enter the non-federal \$18,249.00 cash match amount being requested from the Build Kansas Fund: Enter the non-federal \$18,249.00 cash match amount being provided by the eligible applicant, if applicable: \$0 Enter the estimated value of the nonfederal in-kind match amount being provided by the eligible applicant, if applicable: Expected breakdown of funding sources to support the project: Enter the funding source and projected amount from each source to support this project: Kansas+DOT+table V2.xlsx Part 5: Build Kansas Fund - Means Test and Eligible Applicant Match What other available Match funds are coming from local city budgets. funding sources that are currently planned to go unused by your entity will be leveraged for this project? Will any American N/A Rescue Plan Act (ARPA) or Coronavirus State & Local Fiscal **Recovery Fund** monies will be used for the non-federal match?

What other sources N/A of in-kind match will be leveraged for this project? Please list and include the actual or estimated value of each. What other funding None sources (local, federal, or non-federal) will be used for this match?

Describe your efforts Match funds are coming from local city budgets to find other available funding sources for this project:

Part 6: Additional Information

Please upload a draft or final version of the Bipartisan Infrastructure Law (BIL) program grant application associated with this request OR an executive summary providing an overview of the project:

Faa-form-5100-100_-_HQG_BIL.pdf

SF424_-_HQG_BIL.pdf

HQG_017_Award.pdf

2024-03-18_Preliminary_Engineers_Report.pdf

Provide any additional information about this project not covered in previous sections of this application (optional):	
	Part 7: Terms and Conditions
Understanding of Fund Release Requirements:	checked
Understanding of Use of Funds:	checked
Understanding of Reporting Requirements:	checked
Authority to Make Grant Application:	checked
Persons and Titles: The following persons are responsible for making this Build Kansas Fund application.	Caleb Coltrane

Position/Title:	PE/Aviation Leader
Additional:	Traci Grant
Position/Title:	Project Engineer
Additional:	
Position/Title:	
Additional:	
Position/Title:	

Source	Amount		% of project
Build Kansas Funds (non-federal match)	\$	18,249.00	5%
Eligible Applicant Cash Match	\$	18,249.00	5%
Eligible Applicant In-Kind Match (estimated value)	\$	-	
BIL Federal Funds (applied for)	\$	328,482.00	90%
Additional Project Contribution (if applicable)	\$	-	
TOTAL PROJECT COS	Г\$	364,980.00	100%

Zip Code		% of project in zip code
	67951	100%
		100% in Kansas

Engineer's Report

Airfield Lighting Rehabilitation

Stevens County, Kansas

Hugoton Municipal Airport

Prepared by:



1995 Midfield Road Wichita, KS 67209

March 2024

Garver Project No.: 23A17301

1.0 Airport Information

Hugoton Municipal Airport is a public use, general aviation airport owned by Stevens County and is located approximately 1/2-mile southwest of Hugoton, Kansas. The FAA's National Plan of Integrated Airport Systems (NPIAS) identifies HQG as a local general aviation facility. Runway and taxiway infrastructure is summarized below.

Airfield Item	Description and Size Runway 2-20	Description and Size Runway 13-31
Runway Length/Width	5,000' x 75'	3,039' x 60'
Runway Surface	Concrete	Asphalt
Runway Design Code	B-II	A-I-Visual
Approaches	2 – Instrument, 1-mile 20 – Instrument, 1-mile	13 – Visual 31 – Visual
NAVAIDS	2 – 2-box PAPI 20 – 2-box PAPI	13 – None 31 – None
Pavement Markings	Non-Precision	Visual
Runway Lighting	MIRL	None
Parallel Taxiway	35' Wide, 5,000' Long	None
Taxiway Lighting	MITL	None

Table 1: Hugoton Municipal Airport Summary

2.0 Project Background and General Scope

This rehabilitation project will replace aging airfield lighting and electrical infrastructure that is beyond its usable service life and is experiencing routine issues. The project is programmed for design in Federal Fiscal Year (FFY) 2023 and construction in FFY 2024. The Hugoton Municipal Airport Authority contracted Garver to perform design and bidding services for the airfield lighting rehabilitation project. Major scope items for this project are as follows:

- Edge Lighting/Threshold Lighting The existing runway lights approximately 30 years ago and the taxiway edge lights 15-20 years old. New cable will be installed in the existing conduit. Runway threshold lights, runway edge lights, and taxiway edge lights will be installed on existing base cans.
- **PAPI Replacement** The existing 2-box PAPI system on Runway 2-20 is approximately 30 years old and is in poor condition. Units show signs of rusting and aging. A new 4-box LED PAPI system will be installed on each runway end.
- **REIL Installation** REILs will be installed on both ends of Runway 2-20. There are currently no REILs on the airport.
- **Guidance Signs** New L-858 LED lighted guidance signs will replace the existing retroreflective signs on the airport. The existing signs are dated and currently shown fading and weathering.



Additional signs will be installed to have a full system of runway hold position signs and runway exit signs.

- Wind Cone The existing wind cone has been experiencing issues with the lighting and equipment. The wind sock and pole are in good condition and will be reused. A new light and wiring will be installed to replace the faulty equipment that was initially installed 20-25 years ago. The existing segmented circle will remain in place.
- Electrical Vault and Homerun Improvements The existing electrical vault equipment is currently housed in enclosures within the taxilane object free area (TLOFA) east of the t-hangars. The enclosures will be removed and a new transclosure will be installed outside of the TLOFA. Existing electrical vault equipment is 25-30 years old and will be replaced. The equipment will power the new LED lights, PAPIs, REILs, and Guidance Signs.

3.0 Applicable AIP Standards

Runway 2-20 is designated as an Aircraft Approach Category (AAC) B, Airplane Design Group (ADG) II, and visibility minimums not lower than 1-mile (5000 ft). The parallel taxiway is considered Taxiway Design Group (TDG) II. Table 2 details the airfield standards and dimensions for Runway 2-20 and the parallel taxiway.

Airfield Item	B-II-5000 Runway Standards	TDG-II Standards	Runway 2-20	Parallel Taxiway
Pavement Width	75'	35'	75'	35'
Safety Area Width	150'	79'	150'	79'
Safety Area Beyond Threshold	300'	-	300'	-
Object Free Area	500'	124'	500'	131'
Obstacle Free Zone	400'	-	400'	-
Runway Centerline to Holding Position	200'	-	200'	-
Runway Centerline to Parallel Taxiway Centerline	240' (Min)	-	300'	-

Table 2: HQG Airfield Geometry Standards

FAA Advisory Circulars pertinent to this design include the following:

- FAA AC 150/5300-13B Airport Design
- FAA AC 150/5340-30J Design and Installation Details for Airport Visual Aids
- FAA AC 150/5345-3G Specification for L-821, Panels for the Control of Airport Lighting
- FAA AC 150/5345-7F Specifications for L-824 Underground Electric Cable for Airport Lighting Circuits
- FAA AC 150/5345-10H Specifications for Constant Current Regulators and Regulator Monitors
- FAA AC 150/5345-26E Specifications for L-823 Plug and Receptacle, Cable Connectors
- FAA AC 150/5345-27F Specification for Wind Cone Assemblies
- FAA AC 150/5345-28H Precision Approach Path Indicator (PAPI) Systems



- FAA AC 150/5345-42J Specification for Airport Light Bases, Transformer Housings, Junction Boxes, and Accessories.
- FAA AC 150/5345-44K Specifications for Runway and Taxiway Signs
- FAA AC 150/5345-46E Specification for Runway and Taxiway Light Fixtures
- FAA AC 150/5345-47C Specifications for Series to Series Isolation Transformers for Airport Lighting Systems

4.0 Runway Lighting

Runway 2-20 was originally constructed in its current location in 1998 including the runway threshold and edge lights. The 3,000-foot parallel taxiway for Runway 2-20 was constructed in 2009 with new taxiway edge lights. The lighting system for both Runway 2-20 and the parallel taxiway have reached the end of their service life and routinely has issues that require repairs. The existing lights are housed in a can and conduit system but are not LED.

The new runway and taxiway lighting system will include medium intensity LED edge lights and threshold lights. Runway light fixtures will be 24" tall to provide clearance over drifting snow. Taxiway light fixtures will be 14" tall due to the low clearance of aerial applicator aircraft with low wings and spray bars that commonly use the airport.



Figure 1: Existing Runway Edge Light



5.0 Airfield Guidance Signs

5.1 Existing Conditions

The existing airfield guidance signs are a mixture of lit and retroreflective signs. These signs are showing signs of weathering and need to be replaced.



Figure 2: Existing Lit Guidance Sign

5.2 **Proposed Improvements**

New L-858(L) LED guidance signs will be installed on concrete bases and connected to the runway lighting circuit. New signs include:

- Runway exit signs for the connector taxiways.
- Hold position signs for Runway 2-20 and Runway 13-31.

All signs will be located at the correct locations per *Advisory Circular* 150/5340-18G Standards for *Airport Sign Systems*.

6.0 NAVAIDS

6.1 Existing Conditions

All existing NAVAIDS are shown in Table 1. A 2-box PAPI system is utilized at both ends of Runway 2-20 and is powered from the existing regulator in the vault. Existing PAPIs were installed when the runway



was constructed in 1998. The existing PAPIs are currently in the wrong location, having a threshold crossing height of 29'. The LPV has a threshold crossing height of 45'.

6.2 **Proposed Improvements**

New L-880(L) 4-box PAPI systems will be installed on each runway end. The new PAPIs will be sited per FAA guidance. The PAPIs will be installed 50 feet from the runway edge with 20 feet spacing between each light center to center. The PAPIs will be moved to match the LPV approach glide path with a 45' threshold crossing height.

Table 3: PAPI Siting Values

Airfield Item	Runway 2	Runway 20
Threshold Crossing Height (ft)	45'	45'
Gilde Path (°)	3.00°	3.00°
Θ(°)	3.00°	3.00°
D1 (ft) – Distance from RW End		

A new REIL system will be located at each end of the Runway 2-20 to help pilots with identification of the runway thresholds during nighttime operations or in adverse weather conditions. Each REIL system is to be powered from the runway series lighting circuit with the REILs designed to come on only at high intensity.

7.0 Airport Wind Cone

7.1 Existing Conditions

The existing wind cone has reached the end of its usable life. The concrete segmented circle is still in good condition and will remain in place.

7.2 Proposed Improvements

The new wind cone will replace the existing in the same location. A new wind cone foundation and obstruction light will be installed. The segmented circle will be cleaned and repainted to improve visibility.

8.0 Electrical Vault and Homerun

8.1 Existing Conditions

The existing electrical vault equipment is located in two enclosures; a small fiberglass building housing with a single constant current regulator (CCR), and a small green metal transclosure with a second CCR. The enclosures are too close to the t-hangar taxilane, and neither one is large enough for all of the electrical vault equipment.

8.2 Proposed Improvements





PART III – BUDGET INFORMATION – CONSTRUCTION

SECTION A – GENERAL

1. Assistance Listing Number:

20-106

2. Functional or Other Breakout:

BIL-AIG Grant 3-20-0034-018-2024

SECTION B – CALCULATION OF FEDERAL GRANT				
Cost Classification	Latest Approved Amount (Use only for revisions)	Adjustment + or (-) Amount (Use only for revisions)	Total Amount Required	
1. Administration expense				
2. Preliminary expense				
3. Land, structures, right-of-way				
4. Architectural engineering basic fees				
5. Other Architectural engineering fees				
6. Project inspection fees				
7. Land development				
8. Relocation Expenses				
9. Relocation payments to Individuals and Businesses				
10. Demolition and removal				
11. Construction and project improvement			334,980	
12. Equipment				
13. Miscellaneous			30,000	
14. Subtotal (Lines 1 through 13)			\$ 364,980	
15. Estimated Income (if applicable)			0	
16. Net Project Amount (Line 14 minus 15)			364,980	
17. Less: Ineligible Exclusions (Section C, line 23 g.)			0	
18. Subtotal (Lines 16 through 17)			\$ 364,980	
19. Federal Share requested of Line 18			328,482	
20. Grantee share			36,498	
21. Other shares			0	
22. TOTAL PROJECT (Lines 19, 20 & 21)			\$ 364,980	

SECTION C – EXCLUSIONS

23. Classification (Description of non-participating work)	Amount Ineligible for Participation
a.	
b.	
с.	
d.	
e.	
f.	
g. Total	

SECTION D – PROPOSED METHOD OF FINANCING NON-FEDERAL SHARE				
24. Grantee Share – Fund Categories	Amount			
a. Securities				
b. Mortgages				
c. Appropriations (by Applicant)	36,498			
d. Bonds				
e. Tax Levies				
f. Non-Cash				
g. Other (Explain):				
h. TOTAL - Grantee share	\$ 36,498			
25. Other Shares	Amount			
a. State				
b. Other				
c. TOTAL - Other Shares	\$ 0			
26. TOTAL NON-FEDERAL FINANCING	\$ 36,498			

SECTION E – REMARKS

(Attach sheets if additional space is required)

BIL-AIG 18 Grant includes PAPIs, REILs, Transclosure, & FAA flight check.

NPE Grant 17 includes RW lights, TW lights, Guidance Signs, Garver Construction Services and Administrative Expenses

PART IV – PROGRAM NARRATIVE

(Suggested Format)

PROJECT: Airfield Electrical	Upgrades
AIRPORT: Hugoton Municipa	al Airport
1. Objective: The existing electrical infras	structure is past the end of its usable life and needs to be replaced with newer equipment.
2. Benefits Anticipated:	
The project will replace the	aging infrastructure that will better aid the airport and pilots with approach procedures, poor weather conditions, and wind information.
3. Approach: (See approved \$	Scope of Work in Final Application)
	way 2-20 and taxiway edge lights, replace the 2-20 2-box PAPI system with a 4-box nway end identifier lights (REILs), replace airfield guidance signs, and replace the light ry wind cone.
4. Coorrespis Loootion	
4. Geographic Location: Hugoton Municipal Airport,	Stevens County, KS
5. If Applicable, Provide Add	litional Information:
	: (include address & telephone number)
Robert Davis 200 E. 6th Street Hugoton, KS 67951	620-544-6883

Application for Federal Assistance SF-424							
*1. Type of Submissi	on:	*2. Type of Application * If Revision, select appropriate letter(s):					
Preapplication		X Nev	N				
X Application		Cor	ntinuation	* Other (Specify)			
Changed/Corrected	Changed/Corrected Application						
*3. Date Received: 4. Applicant Identifier: HQG							
5a. Federal Entity Identifier: 3-20-0034-018-2024				5b. Federal Award Identifier:			
State Use Only:							
6. Date Received by	State:		7. State App	lication Identifier:			
8. APPLICANT INFO	ORMATION:						
*a. Legal Name: Ste	evens County						
*b. Employer/Taxpayer Identification Number (EIN/TIN): 48-6009148		EIN/TIN):	*c. UEI: JBLFSFG7YC77				
d. Address:							
*Street 1:	200 E. 6th Stre	et					
Street 2:							
*City:	Hugoton						
County/Parish:							
*State: Province:	KS						
*Country:	USA: United S	tates					
*Zip / Postal Code							
e. Organizational U	nit:						
Department Name:			Division Name:				
f. Name and contact information of person to be contacted on matters involving this application:							
Prefix: Mr.	*First N	lame: [Robert				
Middle Name:							
*Last Name: Davis							
Suffix:							
Title: Airport Board Chairman							
Organizational Affiliation:							
*Telephone Number: 620-544-6883 Fax Number:							
*Email: skylane_735@yahoo.com							

Application for Federal Assistance SF-424

*9. Type of Applicant 1: Select Applicant Type:

B: County Government

Type of Applicant 2: Select Applicant Type:

Pick an applicant type

Type of Applicant 3: Select Applicant Type: Pick an applicant type

*Other (Specify)

*10. Name of Federal Agency:

11. Catalog of Federal Domestic Assistance Number: 20.106

CFDA Title: Airport Improvement Program

*12. Funding Opportunity Number:

*Title:

Airfield Electrical Improvements

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

*15. Descriptive Title of Applicant's Project:

Replace Runway 2-20 and taxiway edge lights, replace the Runway 2-20 2-box PAPIs with 4-box PAPIs, install Runway 2-20 REILs, replace airfield guidance signs, replace light and equipment in primary wind cone, and vault improvements. (Construction Only)

BIL-AIG 18 Grant includes PAPIs, REILs, Transclosure, & FAA flight check.

NPE Grant 17 includes RW lights, TW lights, Guidance Signs, Garver Construction Services and Administrative Expenses

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424						
16. Congression	al Districts Of:					
*a. Applicant: KS	-001	*b. F	Program/Project: K	S-001		
Attach an additional list of Program/Project Congressional Districts if needed.						
17. Proposed Pr	oject:					
*a. Start Date: 05	5/01/2024	*b	*b. End Date: 12/31/2025			
18. Estimated Fu	nding (\$):					
*a. Federal	\$ 328,4	82				
*b. Applicant	\$	50				
*c. State	4	0				
*d. Local	\$ 36,4	98				
*e. Other		<u> </u>				
*f. Program Incor	ne					
*g. TOTAL	\$ 364,9	80				
 □ b. Program is subject to E.O. 12372 but has not been selected by the State for review. ☑ c. Program is not covered by E.O. 12372. *20. Is the Applicant Delinquent On Any Federal Debt? □ Yes ☑ No If "Yes", explain: 21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U. S. Code, Title 218, Section 1001) ☑ ** I AGREE ** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions. 						
Authorized Representative:						
Prefix: Middle Name: *Last Name: Suffix:	Mr. *First	Name: <u>Robert</u>				
*Title: Airport Board Chairman						
*Telephone Number: 620-544-6883 Fax Number:						
* Email: skylane_735@yahoo.com						
*Signature of Aut	horized Representative:	Kalux D	_	*Date Signed: 5/14/24		